



ENERGY SYSTEMS LABORATORY

TEXAS A&M ENGINEERING EXPERIMENT STATION

ENERGY SYSTEMS LABORATORY PUBLICATIONS CATALOG

Contact: ESInfo@tamu.edu

PA — Published Paper

TR — Technical Report

TH — Thesis/Dissertation

HH — Hot and Humid Conference Proceedings

IC — ICEBO Conference Proceedings

IE — IETC Conference Proceedings

UP — Unpublished Paper

KT — CATEE/T.E.S. Conference Presentation

ESL-XX-XX-XX-XXa - Corresponding Presentation to a Proceeding

The hyperlinked documents are available to download directly online from the host website: <http://oaktrust.library.tamu.edu/>

dissertations are also available through ProQuest at www.proquest.com.

Last day of update: 6/5/2025

ID	TITLE	AUTHOR(S)	HANDLE
ESL-PA-78-10-02	Synthesis and Flammability Limits of Low- Btu Gas Mixtures, <i>Combustion Science and Technology</i> 1978, Vol 18 pp. 229-233	Heffington, W.M	Link
ESL-IE-79-04-01	Industrial-Utility Cogeneration Systems	Harkins, H. L.	Link
ESL-IE-79-04-02	Coal and Co-generation at a Petro-chemical Complex	Turek, P.; Gibson, G. L.	Link
ESL-IE-79-04-03	Energy Conservation Through Industrial Cogeneration Systems	Solt, J. C.	Link
ESL-IE-79-04-04	Design Considerations for Large Industrial Cogeneration Systems	Kovacik, J. M.	Link
ESL-IE-79-04-05	"Matrix/Modular" - An Approach to Analyzing Cogeneration Opportunities in Industry	Canty, W. R.	Link
ESL-IE-79-04-06	Design Considerations for Industrial Heat Recovery Systems	Bywaters, R.	Link
ESL-IE-79-04-07	Constrained Optimization Technology Based on Synthesis Concepts for Solving Complex Heat Recovery Problems	Fuller, T. R.	Link
ESL-IE-79-04-08	Conserving Energy by Recovering Heat from Hot Waste Gases	Magnuson, E. E.	Link
ESL-IE-79-04-09	Heat Transfer Characteristics of a Generalized Divided Flow Heat Exchanger	Singh, K. P.	Link
ESL-IE-79-04-10	The Department of Energy Program for Development of Industrial Heat Recovery Equipment	Eustis, J. N.	Link
ESL-IE-79-04-12	An Update in the Development of Alternate Liquid Fuels	Rose, M. J.	Link
ESL-IE-79-04-13	Production of Medium BTU Gas by In-Situ Gasification of Texas Lignite	Edgar, T. F.	Link
ESL-IE-79-04-14	Underground Coal Gasification at Tennessee Colony	Gerrard, C. W.	Link
ESL-IE-79-04-15	Energy from Waste: Preparing Today for Tomorrow's Energy Needs	Krueger, R.	Link
ESL-IE-79-04-16	Recovery of Energy and Chrome from Leather Waste	Muralidhara, H. S.; Maggin, B.	Link
ESL-IE-79-04-17	Municipal Solid Waste as an Energy Source by Roller-Grate Incineration	Karnoski, P. J.	Link
ESL-IE-79-04-18	Solid Waste as an Energy Source	Erlandsson, K.	Link
ESL-IE-79-04-19	Combustion Air Control	Hughart, C. L.	Link
ESL-IE-79-04-20	How Control Improvements Save Process Heater Fuel	Dukelow, S. G.	Link
ESL-IE-79-04-21	Improved Combustion Efficiencies - Control Systems for Process Heaters and Boilers	Varma, A. C.; Prengle, H. W.	Link
ESL-IE-79-04-22	Incentives of Sootblowing	Pelletier, H.; Guinan, R.	Link
ESL-IE-79-04-23	State of Fluidized Bed Combustion Technology	Pope, M.	Link
ESL-IE-79-04-24	Energy Conservation Opportunities in the Pulp and Paper Industry	Rossmessl, J. R.	Link
ESL-IE-79-04-26	Highlights of Industrial Energy Audits with Application in Paper Product Manufacturing	Hart, M. N.; Bond, S.	Link
ESL-IE-79-04-27	Energy Conservation Within the Paper Machine Room	Erskine, J. J.; Walker, P. J.	Link
ESL-IE-79-04-28	Squeezing the Oil Out of Papermaking	Urbad, J. C.	Link
ESL-IE-79-04-29	Liquid Phase Heating Systems	Mordt, E. H.	Link
ESL-IE-79-04-30	The Application of Ultrasonic Energy into Liquid Mediums to Increase Effectiveness	Goodman, M. A.	Link
ESL-IE-79-04-31	Energy Savings of Variable Speed Motors	Fishel, F. D.	Link
ESL-IE-79-04-32	Energy Conservation Potential in Natural Gas Fueled Reciprocating Engines – A Preliminary Market Evaluation	Johnson, D. M.	Link
ESL-IE-79-04-33	Petroleum Refinery Catalytic Reforming - Cutting High Energy Costs	Viar, W.	Link
ESL-IE-79-04-34	Fluid Catalytic Cracking Power Recovery Computer Simulation	Samurin, N. A.	Link
ESL-IE-79-04-36	Energy Conservation Through Effective Steam Trapping	Diamante, L.; Magengast, C.	Link
ESL-IE-79-04-37	Steam and Condensate Systems	Yates, W. E.	Link
ESL-IE-79-04-38	Condensate Removal by Drain Orifice	Gusick, L.	Link
ESL-IE-79-04-39	Self Contained Temperature Actuated Control Valves	Pirkle, F.	Link
ESL-IE-79-04-41	Direct Gas Fired Air Heating For 40 to 50% Fuel Savings	Searcy, J. A.	Link
ESL-IE-79-04-42	HVAC Energy Recovery Design and Economic Evaluation	Kinnier, R. J.	Link
ESL-IE-79-04-43	Energy Conservation in Industrial Lighting	Meharg, E.	Link
ESL-IE-79-04-44	Fourteen Points for Energy Conservation in Lighting	Zekowski, G.	Link
ESL-IE-79-04-45	Maintain Combustion Systems	Fletcher, R. J.	Link
ESL-IE-79-04-46	Development, Application and Performance of Venturi Register L.E.A. Burner System for Firing Oil and Gas Fuels	Cawte, A. D.	Link
ESL-IE-79-04-47	Improvement of Furnace Efficiencies: Evaluation from Operational Data and Case Histories	Crump, J. R.; Prengle, H. W.	Link
ESL-IE-79-04-48	Improved Combustion Systems for Energy Conservation in Industry	Thekdi, A. C.	Link
ESL-IE-79-04-49	Fuel Cost Savings Through Computer Control of a Boiler Complex--Two Case Histories	Worthley, C. M.	Link
ESL-IE-79-04-50	Instrumentation and Control of a Steam Plant Using a Microprocessor Based Controller	Mattes, D. A.; Day, J.	Link
ESL-IE-79-04-51	The Industrial Power Plant Management System--An Engineering Approach	Aarnio, S. E.; Tarvainen, H. J.; Tinnis, V.	Link
ESL-IE-79-04-52	Retrofit Sizing and Economics of Air Preheaters and Economizers for Process Heaters and Boilers	Kumar, A.; Vasquez, R.; Crump, J. R.	Link
ESL-IE-79-04-55	Energy Economizer for Low Temperature Stack Gas: A Case Study	Tipton, J. A.	Link
ESL-IE-79-04-56	The Use of Density Meters and Microprocessors for Energy Measurement and Control	Balls, B.; Agar, J.	Link
ESL-IE-79-04-57	The Utilization of Air Borne Ultrasonics for Energy Conservation	Goodman, M. A.	Link
ESL-IE-79-04-58	In-Situ Thermal Conductivity Testing Using a Portable Heat Flow Meter	Harr, K. S.; Hutto, F. B.	Link
ESL-IE-79-04-59	Using Signature Analysis for Maintenance Planning	Babson, P. E.	Link
ESL-IE-79-04-60	Economics of Energy Metering	Duncan, J. D.	Link
ESL-IE-79-04-61	The Conservation Alternative	Allaire, W. F.	Link
ESL-IE-79-04-62	Total Energy Management in General Motors	Koker, N. D.	Link

ESL-IE-79-04-63	Energy Challenges and Conservation Achievements in the Aluminum Industry	Sheldon, A. C.	Link
ESL-IE-79-04-64	Energy Management at Deere and Company	Boyd, M. P.	Link
ESL-IE-79-04-65	Energy Consumption and Potential for Energy Conservation in the Steel Industry	Hughes, M.	Link
ESL-IE-79-04-67	The Role of Analog Instrumentation in Energy Management	Morre, J. A.	Link
ESL-IE-79-04-69	Development of the Reradiant Recuperator	Marnell, C.J.	Link
ESL-IE-79-04-70	The Utilization and Recovery of Energy from Blast Furnaces and Converters	Hegemann, K. R.; Niess, T.; Barre, R. D.	Link
ESL-IE-79-04-72	Energy Conservation RD&D Programs in High Temperature Processes	Sheneman, R. L.	Link
ESL-IE-79-04-73	Energy Programs of the Texas Industrial Commission	Hearne, J.; dePlante, L.	Link
ESL-IE-79-04-74	Computerized Energy Information Sources	Gordon, D.	Link
ESL-IE-79-04-75	Oklahoma Industrial Energy Management Program	Turner, W. C.; Webb, R.; Phillips, J.; Vilgoen, T.	Link
ESL-IE-79-04-76	The Gulf Coast Energy Conservation Society	Faulkner, C. R.	Link
ESL-IE-79-04-77	Energy Technology Transfer for Industry Through the Texas Energy Extension Service	Riter, S.	Link
ESL-IE-79-04-78	Project Proceed: A Resource for Gatekeepers of Industrial Energy Conservation Information	Cohen, K. C.	Link
ESL-IE-79-04-79	Effective Energy Management Through Better Operator Training	Shah, G. C.	Link
ESL-IE-79-04-80	Industrial Energy Auditing - A Short Course for Engineers	Witte, L. C.	Link
ESL-IE-79-04-81	Motivating People to Conserve Energy--Energy Conservation Education	Cobb, D. L.; Jackson, F. M.	Link
ESL-IE-79-04-82	Infrared Inspection Techniques	Hill, A. B.; Bevers, D. V.	Link
ESL-IE-79-04-83	Industrial Use of Infrared Inspections	Duch, A. A.	Link
ESL-IE-79-04-84	Thermography for Preventive Maintenance and Conservation	Lopez, T.	Link
ESL-IE-79-04-85	The Use of Infrared Technology To Detect Heat Loss	Faulkner, K.	Link
ESL-IE-79-04-86	The Homopolar Generator as a Pulsed Industrial Power Supply	Weldon, J. W.; Weldon, W.	Link
ESL-IE-79-04-87	The Role of Thermal Energy Storage in Industrial Energy Conservation	Duscha, R. A.; Masica, W. J.	Link
ESL-IE-79-04-88	Thermal Energy Storage/Waste Heat Recovery Applications in the Cement Industry	Beshore, D. G.; Jaeger, F. A.; Gartner, E. M.	Link
ESL-IE-79-04-89	Reduction of Hydrocarbon Losses to Flare Systems	Page, J.	Link
ESL-IE-79-04-90	Selecting Fractionators for Product Composition Control	Griffin, D. E.; Anderson, J. E.	Link
ESL-IE-79-04-91	Smokeless Control of Flare Steam Flow Rate	Agar, J.; Balls, B.	Link
ESL-IE-79-04-92	Crude Distillation Unit Heat Recovery Study	John, P.	Link
ESL-IE-79-04-93	How to Conduct an Energy Efficiency Study	Biles, J. E.	Link
ESL-IE-79-04-94	A Water and Energy Management System for Technical and Economic Control	Steinmetz, C. O.; Cotton, I. J.; Bomar, T. M.; Roddy, W. R.	Link
ESL-IE-79-04-95	Energy Conservation in the Bell System	Del Grande, M. R.	Link
ESL-IE-79-04-96	Cut Your Power Bills	Greenwood, R. W.	Link
ESL-IE-79-04-99	Combined Flue Gas Heat Recovery and Pollution Control Systems	Zbikowski, T.	Link
ESL-IE-79-04-100	Control of Sulfur Dioxide Emissions from Pulverized Coal-Fired Boilers by Dry Removal with Lime and Limestone Sorbants	Schwartz, M. H.	Link
ESL-IE-79-04-101	Computerized Reporting of Energy Conservation Progress	Troyan, J. E.	Link
ESL-IE-79-04-102	Energy Accounting for District Heating and Cooling Plants	Barrett, J. A.	Link
ESL-IE-79-04-103	Rate of Industrial Conservation - Petroleum Refining, Chemicals and Pulp and Paper Manufacture	Prenge, H. W. Jr.; Golden, S. A.	Link
ESL-IE-79-04-104	BTU Accounting for Industry	Redd, R. O.	Link
ESL-IE-79-04-105	Electric Power Costs in 1985 and 1990	Gordon, J. B.; White, D.	Link
ESL-IE-79-04-106	Waste Steam Recovery	Kleinfeld, J. M.	Link
ESL-IE-79-04-107	Organic Rankine Cycles for the Petro-Chemical Industry	Rose, R. K.; Colosimo, D. D.	Link
ESL-IE-79-04-108	Making Use of Low-Level Heat	Plaster, W. E.	Link
ESL-IE-79-04-109	Waste Heat Recovery by Organic Fluid Rankine Cycle	Verneau, A.	Link
ESL-IE-79-04-110	Selection of Working Fluids for the Organic Rankine Cycle	West, H. H.; Patton, J. M.; Starling, K. E.	Link
ESL-IE-79-04-111	Observations from Energy Audits in the Petrochemical Industry	Govindan, T. S.	Link
ESL-IE-79-04-112	Reporting Conservation Results in the Chemical Industry	Doerr, R. E.	Link
ESL-IE-79-04-113	Best Energy Savings Measurement at Texas City Monsanto Plant	Repschleger, W. E.	Link
ESL-IE-79-04-114	Industry-Specific Energy Conservation Opportunities in Chemical Plants	McBride, R. B.	Link
ESL-IE-79-04-115	An Olefin Unit's Energy Audit and Implementation	Buehler, J. H.	Link
ESL-IE-79-04-116	A Guide to Insulation Selection for Industrial Applications	Harrison, M. R.	Link
ESL-IE-79-04-118	Energy Conservation Through the Use of Modular Refractory Fiber Linings--An Unexpected Divided	Kleeman, L. A.; Mewhinney, T. R.; Proctor, S. J.	Link
ESL-IE-79-04-119	Specialty Cellular Glass Products and Their Applications	Rostoker, D.	Link
ESL-IE-79-04-120	A Utility View of Energy Conservation	Grant, S. A.	Link
ESL-IE-79-04-121	Power Factor Improvement	Viljoen, T. S.	Link
ESL-IE-79-04-122	A Power Control System for a Paper Mill	Richter, G. H.; Keevon, D.	Link
ESL-IE-79-04-123	Utility Rate Design Revision--A Frisbee Full of Boomerangs	Dannenmaier, J. H.	Link
ESL-PA-79-08-01	Contributions of Improved Technologies to Reduced Residential Energy Growth, <i>Energy Division, Oak Ridge National Laboratory, August 1979, Volume 2, Issue 3 pp. 217-233</i>	Hirst, Eric; O'Neal, Dennis	Link
ESL-PA-79-12-01	Alternative Technologies for U.S. Residential Water Heating: Energy Savings and Economic Benefits, <i>Energy Policy</i> , December 1979, Volume 7, Issue 4, pp. 307-320	Hirst, E.; Carney, J.; O'Neal, D. L.	Link
ESL-IE-80-04-02	Industrial Waste as a Fuel	Richardson, G.; Hendrix, W.	Link
ESL-IE-80-04-03	The Conversion of Waste to Energy	John, T.; Cheek, L.	Link
ESL-IE-80-04-04	Energy Recovery from Solid Waste for Small Cities--Has the Time Really Come?	Winn, W. T.; Paxton, W.	Link
ESL-IE-80-04-05	Cogeneration/Cogeneration--Solid Waste	Pyle, F. B.	Link
ESL-IE-80-04-06	Improving Industrial Refrigeration System Efficiency--Actual Applications	White, T. L.	Link
ESL-IE-80-04-07	Computer Control of Refrigeration Systems in a Food Manufacturing Plant	Halaska, T. E.	Link
ESL-IE-80-04-08	Cooling Towers, Energy Conservation Machines	Burger, R.	Link
ESL-IE-80-04-09	Waste Heat Recovery from Refrigeration in a Meat Processing Facility	Murphy, W. T.; Woods, B. E.; Gerdes, J. E.	Link
ESL-IE-80-04-10	Billet Heating with the Homopolar Generator	Weldon, W. F.; Keith, R. E.; Weldon, J. M.	Link
ESL-IE-80-04-11	Improved Efficiency in Ladle Preheating--A Case Study	Kiefer, J. R.; Battles, D. D.	Link
ESL-IE-80-04-12	The Use of Aluminum Process Reject Heat as the Source of Energy for a District Heating System	McCabe, J.; Olszewski, M.	Link
ESL-IE-80-04-13	An Analysis of the Use of Fluidized-Bed Heat Exchangers for Heat Recovery	Vogel, G. J.; Grogan, P. J.	Link

ESL-IE-80-04-14	Development and Testing of a Flattened U-Tube Heat Exchanger	Huebner, S. R.	Link
ESL-IE-80-04-15	Evaluation of the Energy Saving Potential from Flue Gas Pressurization	Stanton, E. H.	Link
ESL-IE-80-04-17	Design, Stress Analysis and Operating Experience in Feedwater Heaters	Singh, K. P.; Libs, T.	Link
ESL-IE-80-04-18	Canada's Voluntary Industrial Energy Conservation Program	Wolf, C. A.	Link
ESL-IE-80-04-19	Overview of U. S. Department of Energy Program in Industrial Energy Conservation Technology Development	Massey, R. G.	Link
ESL-IE-80-04-20	The French National Energy Conservation Program--The Case of Industry	Zyss, J.	Link
ESL-IE-80-04-21	The Role of the Canadian Government in Industrial Energy Conservation	Godin, M. A.	Link
ESL-IE-80-04-22	Industry's Role: Action or Reaction	Aspenson, R. L.	Link
ESL-IE-80-04-23	Deere and Company Energy Management Program	Boyd, P. M.	Link
ESL-IE-80-04-26	Facing the Energy Dilemma--One Company's Approach: Energy Management at 3M at the Plant Level	Marson, T. F.	Link
ESL-IE-80-04-28	Trends in Gulf Coast Power Supply, Demand, and Costs	Posey, L. G.	Link
ESL-IE-80-04-29	Evaluation of Industrial Energy Options for Cogeneration, Waste Heat Recovery and Alternative Fuel Utilization	Hencey, S.; Hinkle, B.; Lamaye, D. R.	Link
ESL-IE-80-04-30	Cost-Energy Dynamics: An Engineering-Economic Basis for Industrial Energy Conservation Policies	Phung, D. L.; van Gool, W.	Link
ESL-IE-80-04-31	Payback Analysis of Energy Proposals	Blevins, L. D.; Estes, C. B.	Link
ESL-IE-80-04-36	The Gas Utility View of Industrial Energy Conservation	Loberg, T. J.	Link
ESL-IE-80-04-37	Energy Conservation Options in Distillation Processes	Hearn, G. E.; Blythe, G. M.; Stuart, J. M.	Link
ESL-IE-80-04-38	Practical Application of Distillation Column Energy Control Systems	Matthews, S. A.	Link
ESL-IE-80-04-40	Energy Conservation Possibilities Using Gas Separating Membranes	Knieriem, H.; Henis, J. M. S.	Link
ESL-IE-80-04-42	Making Education and Training Impact on Industry	Cohen, K. C.	Link
ESL-IE-80-04-43	Energy Systems Technology--A Development in Experiential Learning	Tumber, A. J.	Link
ESL-IE-80-04-45	Training for Energy Management: Experience in One State	Jacobs, I. M.	Link
ESL-IE-80-04-46	Optimizing the Mass Flow and Temperature Difference in a Cooling System for Energy Conservation	Hart, M. N.; Bond, S. K.	Link
ESL-IE-80-04-47	Industrial HVAC Air-To-Air Energy Recovery Retrofit Economics	Graham, E. L.	Link
ESL-IE-80-04-48	Plant-Wide Energy Conservation Program Yields Impressive Results	Adikes, R. P.; Zupko, A. J.; Adams, J. W.	Link
ESL-IE-80-04-49	Solar Roof Cooling by Evaporation	Patterson, G. V.	Link
ESL-IE-80-04-50	High Temperature Heat Recovery Systems Using Ceramic Recuperators	Young, S. B.; Bjerklie, J. W.; York, W. A.	Link
ESL-IE-80-04-52	Industrial Waste Heat Recovery	Ward, M. E.; Solomon, N. G.; Tabb, E. S.	Link
ESL-IE-80-04-53	A Cross-Flow Ceramic Heat Recuperator for Industrial Heat Recovery	Gonzalez, J. M.; Cleveland, J. J.; Kohnken, K. H.; Rebello, W. J.	Link
ESL-IE-80-04-54	Estimation of Fuel Savings by Recuperation of Furnace Exhausts to Preheat Combustion Air	Rebello, W. J.; Kohnken, K. H.; Phipps, H. R.	Link
ESL-IE-80-04-55	The Use of Infrared Scanning in the Food and Fiber Industry	Kuhn, D. F.	Link
ESL-IE-80-04-56	Energy Recovery from Potato Chip Fryers	McKee, H. B.; Kympton, H. W.; Arnold, J.; Paisan, J. J.	Link
ESL-IE-80-04-57	Waste Energy Analysis Recovery for a Typical Food Processing Plant	Miller, P. H.; Mann, L.	Link
ESL-IE-80-04-59	Stack Gas Heat Recovery from 100 to 1200 HP Boilers	Judson, T. H.	Link
ESL-IE-80-04-60	Energy Audits in Process Units	Corwin, J. D.	Link
ESL-IE-80-04-62	Development of an Energy Consumption Model at a Multi-Product Chemical Plant	Wyhs, N. A.; Logsdon, J. E.	Link
ESL-IE-80-04-63	Energy Guideline Factors Provide a Better Measure of Refinery Energy Performance	Libbers, D. D.	Link
ESL-IE-80-04-64	Use Meters to Put Teeth into Your Conservation Programs	Hayes, J. W.; Rusnak, J. J.	Link
ESL-IE-80-04-65	Ontario Hydro Motor Efficiency Study	Dautovich, D. R.	Link
ESL-IE-80-04-66	Writing Motor Specifications--How to Include Efficiency	Quartermaine, B. J.	Link
ESL-IE-80-04-69	Economic Realities and Energy Efficient Polyphase Integral Horsepower Electric Motors	Whittington, B. W.	Link
ESL-IE-80-04-70	Energy Conservation Thru Steam Trap Surveys and Preventive Maintenance Programs	Boynton, T.; Deshirst, B.	Link
ESL-IE-80-04-71	Steam and Condensate Systems	Yates, W. E.	Link
ESL-IE-80-04-72	Managing an Effective Leak Sealing Program	Rinz, W. H.	Link
ESL-IE-80-04-73	The Engineered Approach to Energy and Maintenance Effective Steam Trapping	Krueger, R. G.; Wilt, G. W.	Link
ESL-IE-80-04-75	Expansion Joint Concepts for High Temperature Insulation Systems	Harrison, M. R.	Link
ESL-IE-80-04-77	Energy Savings by Veneering	Cook, T. H.	Link
ESL-IE-80-04-78	Lining Over Refractory--Conserve Energy and Capital	Jost, M. L.; Barrows, G. L.	Link
ESL-IE-80-04-79	Cost-Energy Dynamics of Thermal Insulation: Potential Energy Savings and Policy Recommendations	Phung, D. L.; Plaza, H.	Link
ESL-IE-80-04-83	Thermal Energy Storage/Heat Recovery and Energy Conservation in Food Processing	Combes, R. S.; Boykin, W. B.	Link
ESL-IE-80-04-84	Production of Biogas from Wastewaters of Food Processing Industries	Sax, R. I.; Holtz, M.; Pette, K. C.	Link
ESL-IE-80-04-85	Computerized Control of Environmental Systems	Gatti, F. L.	Link
ESL-IE-80-04-88	Plant Energy Cost Optimization Program	Robinson, A. M.	Link
ESL-IE-80-04-89	Why Energy Audits Aren't Enough: An Energy Management System is Required	Haft, A. J.	Link
ESL-IE-80-04-90	A Comprehensive Energy Audit of a Large Production Unit in Six Weeks	Korich, R. D.	Link
ESL-IE-80-04-91	Energy Audits on Prince Edward Island	Hall, N. G.; Gillis, D.	Link
ESL-IE-80-04-93	High Efficiency Burners by Retrofit--A Simple Inexpensive Way to Improve Combustion Efficiency	Rogers, W. T.	Link
ESL-IE-80-04-94	Operating Experience of a Coal Fired Fluidized Bed at Georgetown University	Lutes, I. G.; Gamble, R. L.	Link
ESL-IE-80-04-95	Wood-Coal Fired "Small" Boiler Case Study	Pincelli, R. D.	Link
ESL-IE-80-04-97	The Analysis and Development of Large Industrial Steam Systems	Waterland, A. F.	Link
ESL-IE-80-04-99	Co-Generation at a Practical Plant Level	Feuell, J.	Link
ESL-IE-80-04-101	Large Field Erected and Packaged High Temperature Water (HTW) Generators for Coal Firing	Boushell, C. C.	Link
ESL-IE-80-04-102	Choosing Power Cables on the Basis of Energy Economics	Dimachikieh, S.; Brown, D. R.	Link
ESL-IE-80-04-104	Conservation Theory Process Control Using Variable Frequency Drives	Myers, N. S.	Link
ESL-IE-80-04-105	Practical Procedures for Auditing Industrial Boiler Plants	O'Neil, J. P.	Link
ESL-IE-80-04-106	Combustion Air Preheat Should Be More Than Simply Recycling Energy	Grantom, R. L.	Link
ESL-IE-80-04-107	Flue Gas Conditioning to Reduce Particulate Emissions in Industrial Coal-Fired Boilers	Miller, B.; Keon, E.	Link
ESL-IE-80-04-108	Oxygen and Oppacity Stack Emission Monitoring Systems To Optimize Combustion Efficiency and Meet EPA Requirements	Molloy, R. C.	Link
ESL-IE-80-04-110	Cogeneration Considerations in the 1980's	Kovacik, J. M.	Link
ESL-IE-80-04-111	Case Studies of Industrial Cogeneration in the U. S.	Limaye, D. R.; Isser, S.; Hinkle, B.; Hough, T.	Link

ESL-IE-80-04-112	The Economics of Steam Electric Generation	Ophaug, R. A.; Birget, C. D.	Link
ESL-IE-80-04-113	Economic Evaluation of By-Product Power/Co-Generation Systems for Industrial Plants with Fluidized-Bed Coal Burning Facilities	Mesko, J. E.	Link
ESL-IE-80-04-114	Fluidic Catalytic Cracking Power Recovery Dynamic Computer Simulation	Samurin, N. A.	Link
ESL-IE-80-04-115	The Organic Rankine Cycle System, Its Application to Extract Energy From Low Temperature Waste Heat	Sawyer, R. H.; Ichikawa, S.	Link
ESL-IE-80-04-116	Power Generation From Waste Heat Using Organic Rankine Cycle Systems	Prasad, A.	Link
ESL-IE-80-04-117	Cost Effective Waste Heat Organic Rankine Cycle Applications and Systems Designs	Rohrer, J. W.; Bronicki, L. Y.	Link
ESL-IE-80-04-118	Low Level Heat Recovery Through Heat Pumps and Vapor Recompression	Gilbert, J.	Link
ESL-IE-80-04-119	An Evaluation of Industrial Heat Pumps for Effective Low-Temperature Heat Utilization	Leibowitz, H. M.; Colosimo, D. D.	Link
ESL-IE-80-04-120	A Micro-Computer-Based Fuel Optimization System Utilizing In-Situ Measurement of Carbon Monoxide	DeVivo, D. G.	Link
ESL-IE-80-04-121	Control System Design for Effective Energy Utilization...A Case Study	Dziubakowski, D. J.; Keyes, M. A. IV	Link
ESL-IE-80-04-123	Industrial Boiler Optimization Utilizing CO Control	Fuoff, C. W.; Reiter, R. E.	Link
ESL-IE-80-04-124	Improved Dragline Utilization	Keller, R. J.	Link
ESL-IE-80-04-125	Energy Conservation in French Industry and At Rhone-Poulenc	Mongon, A.	Link
ESL-IE-80-04-126	Energy Use Management: One Company's Story	Burns, A. B.	Link
ESL-IE-80-04-127	Energy Responsibility Accounting--An Energy Conservation Tool for Industrial Facilities	Kelly, R. L.	Link
ESL-IE-80-04-128	Saving Money Through Employee Motivation and Participation in Energy Conservation	Tomlin, W.	Link
ESL-IE-80-04-130	Commercial and Industrial Energy Conservation Programs in Illinois	Thomas, S. K.	Link
ESL-IE-80-04-131	A Field Tested Model of Industrial Energy Conservation Assistance to Small Industries	Jendrucko, R. J.; D. Mitchell, S.; Snyder, W. T.; Symonds, Frederick W.	Link
ESL-IE-80-04-132	Oklahoma Industrial Energy Management Program	Estes, C. B.; Turner, W.C.	Link
ESL-IE-80-04-133	Energy Research, Development and Demonstration	Roy E. Ray, Jr.	#VALUE!
ESL-IE-80-04-134	Energy Technical Assistance: Industrial Processes Program	McClure, J. D.	#VALUE!
ESL-IE-80-04-136	Education and Training Promote Energy Conservation	Steele, N. W.	Link
ESL-IE-80-04-137	Use of a Conversational Computer Program in Operator Training for Improved Energy Efficiency	Brickman, S. W.; Mergens, E. H.	Link
ESL-IE-80-04-138	Making Training Effective	Bishop, D. L.	Link
ESL-IE-80-04-139	A Practical Approach to Process Analysis and Improvement for Energy Conservation	K. Shiroko; T. Umeda	Link
ESL-IE-80-04-141	An Approach to Evaluating Equipment Efficiency Policies	Newsom, D. E.; Evans, A. R.	Link
ESL-IE-80-04-142	Energy Saving Pumping Systems in Chemical Plant Design	Reynolds, J. A.	Link
ESL-IE-80-04-143	The Role of the Flexicoking Process in Heavy Oil Processing	Reynolds, J. A.	Link
ESL-IE-80-04-144	U. S. Industrial Energy Consumption and Conservation: Past and Future Perspectives	Ganerwal, R; Ross, M. H.	Link
ESL-IE-80-04-148	Industrial Conservation Technology Energy Savings Monitoring System	Crowell, J.J.; Phipps, H.R.; Jr.	Link
ESL-IE-80-04-151	A Look to the Future: Solar Repowering for Tomorrow's Energy Needs	Wendt, M.	Link
ESL-IE-80-04-152	Solar Ponds - What Are They?	Anderson, A. L.	Link
ESL-IE-80-04-153	Solar Energy for Charging Fork Truck Batteries	Viljoen, T. A.; Turner, W. C.	Link
ESL-IE-80-04-156	Conservation, An In-Plant Energy Resource	Skudneski, L. A.	Link
ESL-IE-80-04-157	Ninety-Two Percent Minimum Heater Efficiency By 1980	Mieth, H. C.; Hardie, J. E.	Link
ESL-PA-80-11-01	An Energy Use Model of the Residential Sector, <i>IEEE Transactions on Systems, Man, and Cybernetics</i> Vol. SMC-10, No. 11 1980. Pp. 749-755	Hirst, E.; O'Neal, D.	Link
ESL-PA-80-11-02	Reducing Residential Energy Growth with More Efficient Space Heating Equipment, <i>ASHRAE Transactions</i> , 1980, Volume 86, Part 2	O'Neal, D. L.; Hirst, E.	Link
ESL-IE-81-04-01	Use of Low-Frequency Sonic Devices for Control of Deposits in Boilers and Precipitators	Baker, D. A.; Schwartz, J. A.	Link
ESL-IE-81-04-02	Sandjet - A New Alternative for Cleaning Furnace Tubes	Pollock, C. B.	Link
ESL-IE-81-04-03	The Selection and Use of Fireside Additives on Industrial Boilers	Radway, J. E.	Link
ESL-IE-81-04-04	Restoration of Refinery Heaters Using the Technique of Prefabricated Ceramic Fiber Lined Panels	Sento, H. D.	Link
ESL-IE-81-04-05	Dover Textiles - A Case History on Retrofitting Factories with a Boiler System Fueled on Coal, Wood and Waste	Pincelli, R.	Link
ESL-IE-81-04-06	Waste Heat Recovery Using a Circulating Heat Medium Loop	Manning, E.; Jr.	Link
ESL-IE-81-04-07	Industrial Low Temperature Waste Heat Utilization	Altin, M.	Link
ESL-IE-81-04-08	Industrial Plate Exchangers Heat Recovery and Fouling	Cross, P. H.	Link
ESL-IE-81-04-09	Computerized Energy and Treatment Cost Calculations	Trace, W. L.	Link
ESL-IE-81-04-10	Ceramic Cross Flow Recuperator Design Parameters	Gonzalez, J. M.	Link
ESL-IE-81-04-11	Energy Conservation at the Westinghouse R&D	Norelli, P.; Roy, V. A.	Link
ESL-IE-81-04-13	The Hidden Future Shock in Current Energy Economics	Gilbert, J. S.	Link
ESL-IE-81-04-14	The Value of an Energy Audit Program	Salas, C. E.	Link
ESL-IE-81-04-15	Implementation of a Corporate Energy Accounting and Forecasting Model	Kympton, H. W.; Bowman, B. M.	Link
ESL-IE-81-04-16	Guidelines For Developing Low Energy Separation Processes	Bojnowski, J. H.; Hanks, D. L.	Link
ESL-IE-81-04-17	High Performance Trays and Heat Exchangers in Heat Pumped Distillation Columns	Wisz, M. W.; Antonelli, R.; Ragi, E. G.	Link
ESL-IE-81-04-18	Freeze Crystallization: Improving the Energy Efficiency of a Low-Energy Separation Process	Heist, J. A.	Link
ESL-IE-81-04-19	Refinery Energy Conservation Experience with Enhanced Surface Reboilers	Ragi, E. G.; O'Neill, P. S.	Link
ESL-IE-81-04-20	Energy Savings for CO ₂ Removal Systems in Ammonia Plants	Pouillart, R.; Van Hecke, F. C.	Link
ESL-IE-81-04-23	Large Steam Generating Units for the Combustion of Refuse	Adams, P. J.; Robinson, C. C.	Link
ESL-IE-81-04-24	Steelcase's Closed-Loop Energy Recovery System Results in \$250,000 Savings Annually	Wege, P. M.	Link
ESL-IE-81-04-26	The Canadian Energy Information System--An Aid and Opportunity for Industry	McNeil, C. S. L.	Link
ESL-IE-81-04-27	Federal/Industry Development of Energy-Conserving Technologies for the Chemical and Petroleum Refining Industries	Alston, T. G.; Humphrey, J. L.	#VALUE!
ESL-IE-81-04-29	Effectiveness of Federal Government Programs to Promote Use of Energy-Conserving Industrial Equipment	Donald E. Newsom; Allan R. E.	Link
ESL-IE-81-04-30	Energy Conservation for Boiler Water Systems	Beardsley, M. L.	Link
ESL-IE-81-04-31	Combustion Air Preheat and Radiant Heat Transfer in Fired Heaters--A Graphical Method for Design and Operating Analysis	Grantom, R. L.	Link
ESL-IE-81-04-32	Burner Designs and Controls for Variable Air Preheat Systems	Lied, C. R.	Link

ESL-IE-81-04-33	Continuous Measurement of Carbon Monoxide Improves Combustion Efficiency of CO Boilers	Gilmour, W. A.; Pregler, D. N.; Branham, R. L.; Prichard, J. J.	Link
ESL-IE-81-04-34	Potential For Energy Conservation	Kumar, A.	Link
ESL-IE-81-04-35	Steam Production from Waste Stack Gases in a Carbon Black Plant	Istre, R. I.	Link
ESL-IE-81-04-36	Generating Steam by Waste Incineration	Williams, D. R.; Darrow, L. A.	Link
ESL-IE-81-04-37	Heat Recovery from Coal Gasifiers	Wen, H.; Lou, S. C.	Link
ESL-IE-81-04-38	Natural Cooling Retrofit	Fenster, L. C.; Grantier, A. J.	Link
ESL-IE-81-04-39	Identifying Opportunities for Industrial Energy Conservation	Hoffman, A. R.	Link
ESL-IE-81-04-40	"The Overriding Demand for Energy Conservation in the Cement Industry" An Update	Spellman, L. U.	Link
ESL-IE-81-04-41	Energy Conservation Through Utility Systems Transient Response Analysis	Sorotzkin, J.	Link
ESL-IE-81-04-42	Energy Management and Computers in the Pulp and Paper Industry	Sommerfeld, J. T.; Hartley, E. M.	Link
ESL-IE-81-04-43	Achieving Energy Goals Through Employee Participation	Weisenthal, M.	Link
ESL-IE-81-04-44	Thermodynamic Analysis for Energy Conservation	Kenney, W. F.	Link
ESL-IE-81-04-45	Energy Saving in Ammonia Plant by Using Gas Turbine	Uji, S.; Ikeda, M.	Link
ESL-IE-81-04-47	Biological Solutions to Industrial Energy Reduction	Fox, J. L.	Link
ESL-IE-81-04-48	Electronics - Key to Energy Control	Nelson, K. P.	Link
ESL-IE-81-04-49	Energy Conservation in a Manufacturing Facility Through Distributed Microprocessor Control	Garcia, C. A.; Kaiser, V. A.	Link
ESL-IE-81-04-50	Computer Control of a Syngas Complex at LaPorte, Texas	Chatterjee, N.	Link
ESL-IE-81-04-51	Advanced Computer Control Concepts Facilitate Energy Recovery	Cutler, C. R.	Link
ESL-IE-81-04-52	Wood Gasification: Where It's At, Where It's Going	Murphy, M. L.	Link
ESL-IE-81-04-53	Kilowatts From Waste Wood In The Furniture Industry	Nailen, R. L.	Link
ESL-IE-81-04-54	Heat Recovery From Solid Waste	Underwood, O. W.	Link
ESL-IE-81-04-55	Gasohol - Boon or Boondoggle?	Hyland, M. J.	Link
ESL-IE-81-04-56	Computer Control of Boiler Operation	Pareja, G. E.	Link
ESL-IE-81-04-57	Application of Multivariable Control to Oil and Coal Fired Boilers	Swanson, K.	Link
ESL-IE-81-04-58	Microprocessor Based Combustion Monitoring and Control Systems Utilizing In Situ Opacity, Oxygen and CO Measurement	Molloy, R. C.	Link
ESL-IE-81-04-59	New Developments in Closed Loop Combustion Control Using Flue Gas Analysis	Nelson, R. L.	Link
ESL-IE-81-04-61	Retrofit Air Preheat Economics	Goolsbee, J. A.	Link
ESL-IE-81-04-62	Industrial Waste Heat Recovery Using Heat Pipes	Ruch, M. A.	Link
ESL-IE-81-04-63	A Ceramic Waste Heat Recovery System on a Rotary Forge Furnace: An Installation and Operating History	Young, S. B.; Campbell, T. E.; Worstell, T. M.	Link
ESL-IE-81-04-64	Energy Recovery for Medium- and High- Temperature Industrial Furnaces	Krumm, E. D.	Link
ESL-IE-81-04-66	Deere & Company Energy Management Program	Darby, D. F.	Link
ESL-IE-81-04-67	Energy Management in a Multi-Industry Organization	Lawrence, J.	Link
ESL-IE-81-04-68	Conservation - The Keystone of Energy Management	Read, R. C.	Link
ESL-IE-81-04-69	Energy Evaluation and Management in the Industrial Setting	Morketter, R. C.	Link
ESL-IE-81-04-70	Cooling Towers - Energy Conservation and Money Making Mechanisms	Burger, R.	Link
ESL-IE-81-04-71	Heat Transfer Performance of a Dry and Wet/Dry Advanced Cooling Tower Condenser	Fricke, H. D.; Webster, D. J.; McIlroy, K.; Bartz, J. A.	Link
ESL-IE-81-04-72	The Binary Cooling Tower Process: An Energy Conserving Water Reuse Technology	Lancaster, R. L.; Sanderson, W. G.; Cooke, R. L.; Jr.	Link
ESL-IE-81-04-73	Save Energy with Axial Fans	Monroe, R. C.	Link
ESL-IE-81-04-74	Load Management: Opportunity or Calamity?	Males, R.; Hassig, N.	Link
ESL-IE-81-04-75	Justification for Energy Efficient Motors	Buschart, R. J.	Link
ESL-IE-81-04-76	Feasibility Study of a Multi-Purpose Computer Program for Optimizing Heat Rates in Power Cycles	Menuchin, Y.; Singh, K. P.; Hirota, N.	Link
ESL-IE-81-04-77	The Role of Electricity Pricing Policy in Industrial Siting Decisions	Tam, C. S.	Link
ESL-IE-81-04-81	The HTGR Closed-Loop Energy System	Leeth, G. G.	Link
ESL-IE-81-04-82	Support Requirements for Synfuels	Hyland, M. J.	Link
ESL-IE-81-04-83	Boiler Efficiency--Consider All the Angles	Blakeley, C. P.	Link
ESL-IE-81-04-84	Combustion Control Using Infrared and Visible Light Devices	Lewis, S. E.	Link
ESL-IE-81-04-85	Furnace Controls Using High Temperature Preheated Combustion Air	Gonzales, J. M.; Rebello, W. J.	Link
ESL-IE-81-04-86	The Design and Development of An Externally Fired Steam Injected Gas Turbine for Cogeneration	Boyce, M. P.; Meher-Homji, C.; Ford, D.	Link
ESL-IE-81-04-87	An Integrated Low Level Heat Recovery System	Sierra, A. V.; Jr.	Link
ESL-IE-81-04-88	Thermal Storage Systems at IBM Facilities	Koch, G.	Link
ESL-IE-81-04-89	The Design of an Open Rankine-Cycle Industrial Heat Pump	Leibowitz, H. M.; Chaudoir, D. W.	Link
ESL-IE-81-04-90	Organic Rankine Cycle Systems for Waste Heat Recovery in Refineries and Chemical Process Plants	Meacher, J. S.	Link
ESL-IE-81-04-91	Locating Heat Recovery Opportunities	Waterland, A. F.	Link
ESL-IE-81-04-92	An Energy Awareness Program at the Plant Level	Korich, R. D.	Link
ESL-IE-81-04-93	General Purpose Microcomputers in Energy Management	Schmidt, P. S.	Link
ESL-IE-81-04-94	"People Power" Saves Plant Energy	Davidson, B.; Jr.; Kanewske, F.	Link
ESL-IE-81-04-95	Energy Management in a Large Refining-Petrochemical Complex	Jones, K. C.	Link
ESL-IE-81-04-96	Utilization of Proven Technology to Meet Energy Conservation Goals	Kelly, P. H.; Stuchly, M. A.	Link
ESL-IE-81-04-97	Designing a "Near Optimum" Cooling-Water System	Crozier, R. A.; Jr.	Link
ESL-IE-81-04-98	Cooling Water Systems - Energy Savings/Lower Costs By Reusing Cooling Tower Blowdown	Puckorius, P. R.	Link
ESL-IE-81-04-99	Conservation of Energy Through The Use of a Predictive Performance Simulator of Operating Cooling Water Systems	Schell, C.J.	Link
ESL-IE-81-04-100	Solar Roof Cooling by Evaporation	Patterson, G. V.	Link
ESL-IE-81-04-101	Combined Cycles and Cogeneration - An Alternative for the Process Industries	Harkins, H. L.	Link
ESL-IE-81-04-102	Gas Turbines Increase the Energy Efficiency of Industrial Processes	Banchik, I. N.; Bohannan, W. R.; Stork, K.; McGovern, L. J.	Link
ESL-IE-81-04-104	Using the Biphase Turbine to Generate Useful Energy from Process Steams	Helgeson, N. L.; Studhalter, W. R.	Link
ESL-IE-81-04-105	Cogeneration in Texas	Halicki, T.	Link
ESL-IE-81-04-106	Energy Conservation Through Education and Training	Sorotzkin, J.	Link
ESL-IE-81-04-108	The Energy Technologist	Tumber, A. J.; Molczan, T.J.	Link

ESL-IE-81-04-109	How Technical and Scientific Books Get Published	Satlow, F. P.	Link
ESL-IE-81-04-110	Refinery Energy Profiling Procedure	Maier, R. W.	Link
ESL-IE-81-04-111	Site Energy Surveys	Lockett, W.; Jr.; Guide, J. J.	Link
ESL-IE-81-04-112	Monitoring Energy Efficiency in Sophisticated Process Plants	Kenney, W. F.	Link
ESL-IE-81-04-113	Conservation of Heat Energy at Hot Petroleum Products Terminals	Powell, J. C.; Graham, R. M.	Link
ESL-IE-81-04-114	Energy Conservation Design Features of Retrofit and New Units...One Company's Experience	Prothro, B.	Link
ESL-IE-81-04-116	Steam Trap Testing and Evaluation: An Actual Plant Case Study	Feldman, A. L.	Link
ESL-IE-81-04-117	Energy Efficient Steam Trapping of Trace Heating Systems	Krueger, R. G.; Wilt, G. W.	Link
ESL-IE-81-04-119	Rankine and Brayton Cycle Cogeneration for Glass Melting	Hnat, J. G.; Patten, J. S.; Sheth, P. R.	Link
ESL-IE-81-04-120	Design and Operation of Fluid Beds for Heating, Cooling and Quenching Operations	Kemp, W. E.	Link
ESL-IE-81-04-121	Electric and Gas Fired Radiant Tubes "ERT"	Nilsen, E. K.	Link
ESL-IE-81-04-122	Thermosiphon Cooling of a Large Office/Laboratory Complex	White, T. L.	Link
ESL-IE-81-04-123	Laboratory Heat Recovery System	Burrows, D. B.; Mendez, F. J.	Link
ESL-IE-81-04-124	Advances in Lighting	Tumber, A. J.	Link
ESL-IE-81-04-125	Lighting and the Bottom Line	Christensen, M.	Link
ESL-IE-81-04-126	You Can Justify Meters for Your Energy Conservation Program	Rusnak, J. J.	Link
ESL-IE-81-04-127	Automation, Energy Conservation and Common Sense	Hester, D.	Link
ESL-IE-81-04-128	Ultrasonic Emissions Warn of Energy Loss	Goodman, M. A.	Link
ESL-IE-81-04-129	Human Machine Interface in Building Automation Systems	Sobczak, N. L.	Link
ESL-IE-81-04-130	Applications for Computers in Industrial Powerhouses	Delk, S. R.	Link
ESL-IE-81-04-131	Impact of Industrial Electric Rate Structure on Energy Conservation - A Utility Viewpoint	Williams, M. M.	Link
ESL-IE-81-04-132	A State Regulator's View of "PURPA" And Its Effect on the Industrial Sector	Williams, M. L.	Link
ESL-IE-81-04-133	"Tilted" Industrial Electric Rates: A New Negative Variable for Energy Engineers	Greenwood, R. W.	Link
ESL-IE-81-04-134	Interruptible Power: An Economic Advantage to Industrial Users	Reynolds, S. D.; Gardner, J. R.	Link
ESL-IE-81-04-135	Energy Management and RD&D Activities for Energy Conservation in TEPCO	Ohmori, M.; Yoshihama, K.	Link
ESL-PA-82-02-02	Volcanic Energy Vol 7 Pg. 717-719, 1982	Heffington, W. M.	Link
ESL-PA-82-04-01	Investment in Energy Efficient Houses: An Estimate of Discount Rates Implicit on New Home Construction Practices, <i>Energy</i> , April 1982, Volume 7, Issue 4, pp. 389-400	Corum, K.; O'Neal, D. L.	Link
ESL-IE-82-04-01	A Regulator's View of Cogeneration	Shanaman, S. M.	Link
ESL-IE-82-04-02	Financing Co-generation Projects	Young, R.	Link
ESL-IE-82-04-03	Design and Evaluation of Alternative Cogeneration Systems	Mauro, R. L.; Hu, S. D.	Link
ESL-IE-82-04-04	Cogeneration Project Overview: J. M. Huber Corporation, Borger, Texas	Dickinson, T. W.; Gibson, G. L.	Link
ESL-IE-82-04-05	Evaluating Sites for Industrial Cogeneration in Chicago	Fowler, G. L.; Baugher, A. H.	Link
ESL-IE-82-04-08	Energy Conservation in Process Heaters	Bagge, R. W.	Link
ESL-IE-82-04-09	Consider Compressed Combustion	Crowther, R. H.	Link
ESL-IE-82-04-10	In Situ CO, Oxygen, and Opacity Measurement for Optimizing Combustion Control System Performance	Molloy, R. C.	Link
ESL-IE-82-04-13	Some Observations on Energy Efficiency and Capital Cost	Kenney, W. F.	Link
ESL-IE-82-04-14	Energy Economics and Corporate Profitability	Gilbert, J. S.	Link
ESL-IE-82-04-15	How to Put the Dollar Value on Waste Heat Recovery in the Process Industry	Campagne, W. V. L.	Link
ESL-IE-82-04-16	Energy Management: A Corporate Objective in the Five-Year Business Plan	Mulhern, T. A.	Link
ESL-IE-82-04-17	A Low Cost Energy Management Program at Engelhard Industries Division	Brown, T. S.; Michalek, R.; Reiter S.	Link
ESL-IE-82-04-19	Energy Conservation in the Bell System	Williamson, J. W.	Link
ESL-IE-82-04-20	Project PROCEED and Continuous Learning	Cohen, K. C.	Link
ESL-IE-82-04-21	Energy Conservation Aspect of Energy Systems Technology Education Program	McBride, R. B.	Link
ESL-IE-82-04-22	Training and Reading Level	Bishop, D. I.	Link
ESL-IE-82-04-23	Education and Training for Energy Conservation	Sorotzkin, J.	Link
ESL-IE-82-04-24	Industrial Energy Audit Training for Engineers	Russell, B. D.; Willis, G.; Colburn, B.	Link
ESL-IE-82-04-25	The Industrial Electrification Program	Harry, I. L.	Link
ESL-IE-82-04-26	The Homopolar Pulse Billet Heating Process	Keith, R. E.; Weldon, W. F.	Link
ESL-IE-82-04-27	Laser Applications in Metal Surface Hardening	Eckersley, J. S.	Link
ESL-IE-82-04-28	Thermal Plasma Systems for Industrial Processes	Fey, M. G.; Meyer, T. N.; Reed, W. H.; Philbrook, W. O.	Link
ESL-IE-82-04-29	Power Conditioning and Control Applications for Energy Conservation	Brushwood, J. S.	Link
ESL-IE-82-04-32	Thermal Insulation Systems	Stanley, T. F.	Link
ESL-IE-82-04-34	Production of Shale Oil	Loper, R. D.	Link
ESL-IE-82-04-35	Commercializing the H-Coal™ Process	DeVaux, G. R.; Dutkiewicz, B.	Link
ESL-IE-82-04-36	Coal-Oil Mixtures--A U. S. State of the Art Review	Kapp, G. S.	Link
ESL-IE-82-04-38	Future Prospects of Synthetic Fuels	Fryback, M. G.	Link
ESL-IE-82-04-39	The Utilities' Role in Conservation and Cogeneration	Mitchell, R. C. III	Link
ESL-IE-82-04-40	Ways Electricity Can Be Used To Replace Fossil Fuels in The French Chemical Industry	Mongon, A.	Link
ESL-IE-82-04-41	Electricity - The Alternative	Watson, J. A.	Link
ESL-IE-82-04-42	New Industrial Park Energy Supply for Economical Energy Conservation	Scott, D.; Marda, R. S.; Hodson, J. S.; Williams, M.	Link
ESL-IE-82-04-43	Energy Management Through Innovative Rates	Williams, M. L.	Link
ESL-IE-82-04-46	Energy (Cost) Savings by Zero Discharge in Cooling Towers	Matson, J. V.; Gardiner, W. M.; Harris, T. G.; Puckorius, P. R.	Link
ESL-IE-82-04-47	Cooling Tower Inspection with Scuba	Brenner, W.	Link
ESL-IE-82-04-48	Variable Frequency AC Drives for Cooling Tower Energy Efficiency	Corey, R. W.	Link
ESL-IE-82-04-50	A Distributed Computer Automation and Control System for IBM's GTD Process Plant at Austin Texas	Getter, L. C.	Link
ESL-IE-82-04-51	Selection and Evaluation of Energy Management and Control Systems	Moderow, R. R.	Link
ESL-IE-82-04-52	Design of a Computerized Energy Management System for Marine Applications	Russell, B. D.; Perry, L. W.; Gerloff, G. W.; Heller, R. P.; Pankonien, G.	Link

ESL-IE-82-04-53	Incorporation of Micro Processor Controllers in the Frito-Lay Energy Program	Kympton, H. W.; Bowman, B. M.; Chambers, D. H.	Link
ESL-IE-82-04-56	Impact of Natural Gas Price Decontrol on Gas Supply, Demand and Prices	Schlesinger, B.	Link
ESL-IE-82-04-57	Biomass and Other Unconventional Energy Resources	Gershman, H. G.	Link
ESL-IE-82-04-58	Forecasting the Market Penetration of Energy Conservation Technologies: The Decision Criteria for Choosing a Forecasting Model	Lang, K.	Link
ESL-IE-82-04-59	New Concepts in Hardware and Processes to Conserve Oil and Gas in Industrial Processes	Humphrey, J. L.	Link
ESL-IE-82-04-60	Life-Cycle Cost Reduction for High Speed Turbomachinery Utilizing Aerothermal-Mechanical Conditioning Monitoring Techniques	Boyce, M. P.; Meher-Homji, C.; Bowman, J. C.	Link
ESL-IE-82-04-61	Solar Roof Cooling by Evaporation	Patterson, G. V.	Link
ESL-IE-82-04-62	Energy Comparison Vacuum Producing Equipment--Mechanical Vacuum Pumps vs. Steam Ejectors	Foisy, E. C.; Munkittrick, M. T.	Link
ESL-IE-82-04-63	Recover Power with Hydraulic Motors	Brennan, J. R.	Link
ESL-IE-82-04-64	Thermodynamic Efficiency of Heat Exchange Devices	Witte, L. C.; Shamsundar, N.	Link
ESL-IE-82-04-65	Techno-Economic Design Tools Used in Selecting Industrial Energy Recovery Systems	Hanus, N.	Link
ESL-IE-82-04-66	Heat Pump Strategies and Payoffs	Gilbert, J. S.	Link
ESL-IE-82-04-67	Low Level Heat Recovery Technology	O'Brien, W. J.	Link
ESL-IE-82-04-68	Heat Pumps - Theory and Applications	Altin, M.	Link
ESL-IE-82-04-69	Encon Motivation in European Refineries	Gambera, S.; Lockett, W.; Jr.	Link
ESL-IE-82-04-70	Saving Money Through Employee Motivation and Participation in Energy Conservation	Francis, G.	Link
ESL-IE-82-04-71	Employee Motivation and Communication Methods	Heller, D. M.	Link
ESL-IE-82-04-72	Effective Energy Conservation in the Operating Unit	Korich, R. D.	Link
ESL-IE-82-04-73	User-Oriented Software for Energy Conservation with Personal Computers	Schmidt, P. S.; Fischer, D. B.; Barr, C. L.	Link
ESL-IE-82-04-74	Operating Experience with a Large Fluidized-Bed Gasifier of Woodwaste	Guard, R. F. W.	Link
ESL-IE-82-04-75	SECO - Dow Corning's Wood Fueled Industrial Cogeneration Project	Betts, W. D.	Link
ESL-IE-82-04-76	An Energy Self-Sufficient Sawmill	Juchymenko, A.	Link
ESL-IE-82-04-77	Design Considerations and Operating Experience of the Sanford Com Test Facility	Causilla, H.; Kasprk, A. J.	Link
ESL-IE-82-04-78	Gasohol--Where We Are Today	McCammon, W. L.	Link
ESL-IE-82-04-79	From Basic Control to Optimized Systems - Applying Digital Control Systems to Steam Boilers	Hockenbury, W. D.	Link
ESL-IE-82-04-80	Industrial Application of High Combustion Intensity Systems and Energy Conservation Implications	Williams, F. D. M.; Anderson, L. E.	Link
ESL-IE-82-04-81	Energy Conservation and BP	Partridge, R. W.	Link
ESL-IE-82-04-82	Employee Motivation in Energy Management Programs	Hogeland, A. W.	Link
ESL-IE-82-04-84	Interactive Off-Line Computer Modeling for Powerhouse Operations	Delk, S. R.; Jones, W. G.	Link
ESL-IE-82-04-85	Industrial Heat Recovery - 1982	Csathy, D.	Link
ESL-IE-82-04-86	Heat Recovery Considerations for Process Heaters and Boilers	Kumar, A.	Link
ESL-IE-82-04-87	Cogeneration: The Need for Utility-Industry Cooperation	Limaye, D. R.	Link
ESL-IE-82-04-88	Optimum Heat Power Cycles for Process Industrial Plants	Waterland, A. F.	Link
ESL-IE-82-04-89	Regulatory Requirements for Cogeneration Projects	Curry, K. A. Jr.	Link
ESL-IE-82-04-90	The Economics of Back-Pressure Steam Turbines	Wagner, J. R.; Ewan Choroszylo, E.	Link
ESL-IE-82-04-91	For Energy Conservation in Existing Plants - Start With a Good Process Survey	Krebs, N. R.; Castillo, R. O.; Malaty, W.	Link
ESL-IE-82-04-92	A New Approach to Industrial Air Conditioning	Gravenstreter, T. E.	Link
ESL-IE-82-04-93	Energy Conservation Management Can Pay For Itself	McCall, R.; Bickle, L.	Link
ESL-IE-82-04-94	Load Management for Industry	Konsevic, W. J. Jr.	Link
ESL-IE-82-04-95	Biosludge Incineration - A Program for Energy Conservation	Compennolle, R. V.	Link
ESL-IE-82-04-96	Efficiency Light Sources Today	Hart, A. L.	Link
ESL-IE-82-04-97	Portable Liquid Flow Metering for Energy Conservation Programs	Miles, F. J.	Link
ESL-IE-82-04-99	Operating Experience and Test Results From An Ammonia-Based Dry/Wet Cooling System For Electric Power Stations	Allemann, R. T.; Werry, E. V.; Fricke, H. D.; Price, R. E.; Bartz, J. A.	Link
ESL-IE-82-04-100	Compact Ceramic Heat Exchanges for Corrosive Waste Gas Applications	Laws, W. R.; Reed, G. R.	Link
ESL-IE-82-04-101	Waste To Energy - Strategies and Payoffs	Gilbert, J. S.	Link
ESL-IE-82-04-102	Industrial Heat Recovery with Organic Rankine Cycles	Hnat, J. G.; Patten, J. S.; Cutting, J. C.; Bartone, L. M.	Link
ESL-IE-82-04-103	Energy Conservation Through Use of Boiler Economizers (Economic and Practical Considerations)	Roethe, L. A.	Link
ESL-IE-82-04-104	Use of Thermal Energy Storage to Enhance the Recovery and Utilization of Industrial Waste Heat	McChesney, H. R.; Bass, R. W.; Landerman, A. M.; Obee, T. N.; Sgamboti, C. T.	Link
ESL-IE-82-04-106	Solid State AC Motor Drives - Conservation Perspectives	Mohan, N.; Ferraro, R. J.	Link
ESL-IE-82-04-107	Energy Efficient Motors	Hoffmeyer, W.	Link
ESL-IE-82-04-108	Variable Speed Pumping for Level Control	Vasel, M.	Link
ESL-IE-82-04-109	Adjustable Speed Drives as Applied to Centrifugal Pumps	Jarc, D. A.; Robeckek, J. D.; Connors, D. P.	Link
ESL-IE-82-04-110	Application of Multiple-Speed and Special Motors for Energy Savings	Pastor, E.; Kuznetsov, S. B.	Link
ESL-IE-82-04-111	Available Energy Calculations for Process Engineers	Parker, A. L.	Link
ESL-IE-82-04-112	Exergy Analysis for Cryogenic Process and Equipment Optimizations	Chiu, C.	Link
ESL-IE-82-04-113	Design for Process Integration and Efficient Energy Utilization	James, A. J.	Link
ESL-IE-82-04-114	Realistic Industrial Scale Energy Optimization : Part I - Organizing and Executing Energy Conservation Projects	Jones, W. T.	Link
ESL-IE-82-04-115	Realistic Industrial Scale Energy Optimization: Part II - Analytic Techniques	Kleinschrodt, F. J. III	Link
ESL-IE-82-04-116	Steam System Forecasting and Management	Mongrue, D. M.; Wittke, D. O.	Link
ESL-IE-82-04-117	Computer Optimization of Steam Production	Todd, C. H.	Link
ESL-IE-82-04-118	Plant View On Reducing Steam Trap Energy Loss	Vallery, S. J.	Link
ESL-IE-82-04-119	Steam Trap Application	Murphy, J. J.	Link
ESL-IE-82-04-120	Energy Savings with High Temperature Water Generation Systems	Manicke, A. C.	Link
ESL-IE-82-04-121	State of Industrial Fluidized Bed Combustion	Mesko, J. E.	Link
ESL-IE-82-04-122	Circulating Fluid Bed Combustor	Fraley, L. D.; Do, L. N.; Hsiao, K. H.	Link

ESL-IE-82-04-123	Industrial Utilization of Coal-Oil Mixtures	Dunn, J. E.; Hawkins, G. T.	Link
ESL-IE-82-04-124	Cutting Industrial Solar System Costs in Half	Niess, R. C.; Weinstein, A.	Link
ESL-IE-82-04-125	Geothermal Power Generation as Related to Resource Requirements	Falcon, J. A.; Richards, R. G.; Keilman, L. R.	Link
ESL-IE-82-04-126	Energy Management in Olefins Units	Wells, T. A.	Link
ESL-IE-82-04-127	Absorptive Recycle of Distillation Waste Heat	Erickson, D. C.; Lutz, E. J.; Jr.	Link
ESL-IE-82-04-128	Process Antifoulants for Energy Conservation in the '80's	Wilson, R. M.; Martin, J. F.; Freeman, R. F.	Link
ESL-IE-82-04-129	Application of Energy Saving Concepts to LPG Recovery Plants	Carpenter, M. J.; Barnwell, J.	Link
ESL-IE-82-04-130	Energy Recovery System for Fluid Catalytic Cracking Units	Wen, H.; Lou, S. C.	Link
ESL-IE-82-04-131	Fuel Saving Ideas for Metal and Ceramic Processing	Reed, R. J.	Link
ESL-IE-82-04-132	Energy Savings in Electric Arc Furnace Melting	Lubbeck, W.	Link
ESL-IE-82-04-133	Heat Recovery in the Forge Industry	Shingledecker, R. B.	Link
ESL-IE-82-04-135	Control of Lime Kiln Heat Balance is Key to Reduced Fuel Consumption	Kramm, D. J.	Link
ESL-IE-82-04-136	California's Energy Policy: Conservation Works	Greene, D.	Link
ESL-IE-82-04-137	Energy Conservation in the 80's - A U. K. Point of View	Morris, J. R. S.	Link
ESL-IE-82-04-138	Energy Use and Savings in the Canadian Industrial Sector	James, B.	Link
ESL-IE-82-04-139	The Texas Industrial Energy Conservation Program	Waldrop, T.	Link
ESL-IE-82-04-140	Oklahoma Industrial Energy Management Program	Turner, W. C.; Estes, C. B.	Link
ESL-IE-82-04-141	It Pays to Modify Existing Crude Preheat Trains to Conserve More Energy!	Feintuch, H. M.; Peer, V.; Wong, W. H.	Link
ESL-IE-82-04-142	Efficient Energy Usage in Butane Splitters	Barnwell, J.; Morris, C. P.	Link
ESL-IE-82-04-143	Energy Savings Accomplished by Replacing Steam Ejectors with Electric Driven Vacuum Pumps in Crude Distillation Vacuum Towers	Nelson, R. E.	Link
ESL-IE-82-04-144	Energy Conservation and Cogeneration in Bottom-of-the-Barrel Processes	Fleming, J. B.; Chang, C. P.; Pierce, V. E.	Link
ESL-IE-82-04-147	Optimization of Oxygen Purity for Coal Conversion Energy Reduction	Baker, C. R.; Pike, R. A.	Link
ESL-IE-82-04-148	Advances in Energy Reduction in Methanol Plant Design	Huggins, P. J.; Griffiths, G. W.	Link
ESL-IE-82-04-149	Retrofits: A Means for Reducing Energy Consumption in Ammonia Manufacture	LeBlanc, J. R.; Moore, D. O.; Schneider, R. V.; III	Link
ESL-IE-82-04-150	Energy Efficiency of Phthalic Anhydride Plants	Keunecke, G.; Mitchem, C.	Link
ESL-IE-82-04-151	Interruptible Electric Rates: Where We Are Today	Frees, R. J.	Link
ESL-IE-82-04-152	Analytical Methods for Implementing Industrial Load Management Programs	Hassig, N.; Chan, M.; Carlson, R.	Link
ESL-IE-82-04-153	Energy \$ Savings From Power Capacitors	Harder, J. E.	Link
ESL-IE-82-04-154	Load Management - A Better Way	Easley, J. F.	Link
ESL-IE-82-04-155	Estimating Industrial Electricity Conservation Potential in the Pacific Northwest	Limaye, D. R.; Hinkle, B. K.; Lang, K.	Link
ESL-IE-82-04-156	Waste Heat Recovery from Refrigeration	Jackson, H. Z.	Link
ESL-IE-82-04-157	Industrial Infiltration	Kennon, M. K.	Link
ESL-IE-82-04-158	How to Extract Energy from Dirty Interior Air	Cheney, W. A.	Link
ESL-IE-82-04-159	Optimum Design of Coal Gasification Plants	Pohani, B. P.; Ray, H. P.; Wen, H.	Link
ESL-IE-82-04-160	An Evaluation of Low-BTU Gas from Coal as an Alternate Fuel for Process Heaters	Nebecker, C.J.	Link
ESL-IE-82-04-161	Carbon Dioxide: Threat or Opportunity?	McKinney, A. R.	Link
ESL-IE-82-04-162	Coke Gasification - A Solution to Excess Coke Capacity and High Energy Costs	Patel, S. S.	Link
ESL-IE-82-04-163	Oil to Coal Conversion of Power and Industrial Facilities in the Dominican Republic	Causilla, H.; Acosta, J. R.	Link
ESL-TH-82-08-01	Intern Experience at Phillips Petroleum Company, <i>Doctor of Engineering, College of Engineering, Texas A&M University.</i>	Harrington, Craig	Link
ESL-IE-83-04-01	Cogeneration Economics and Financial Analysis	Kusik, C. L.; Golden, W. J.; Fox, L. K.	Link
ESL-IE-83-04-02	Energy Value vs. Energy Cost: A Fundamental Concept of Economics Applied to Cogeneration	Viar, W. L.	Link
ESL-IE-83-04-03	Cogeneration Can Add To Your Profits	Gerlaugh, H. E.	Link
ESL-IE-83-04-04	Improved Heat Transfer and Performance of High Intensity Combustion Systems for Reformer Furnace Applications	Williams, F. D. M.; Kondratas, H. M.	Link
ESL-IE-83-04-05	Industrial Steam Power Cycles Final End-Use Classification	Waterland, A. F.	Link
ESL-IE-83-04-06	Economics of Concentration Processes in the Food Industry	Renshaw, T. A.; Sapakie, S. F.; Hanson, M. C.	Link
ESL-IE-83-04-07	Combustion Gas Turbine Power Enhancement by Refrigeration of Inlet Air	Meher-Homji, C. B.; Mani, G.	Link
ESL-IE-83-04-08	Linear Program to Select Energy Conservation Projects in an Existing Facility	Mak, J. Y.	Link
ESL-IE-83-04-09	Process Waste Heat Recovery in the Food Industry - A System Analysis	Lundberg, W. L.; Mutone, G. A.	Link
ESL-IE-83-04-10	The Beckett System Recovery and Utilization of Low Grade Waste Heat From Flue Gas	Henderson, W. R.; DeBiase, J. F.	Link
ESL-IE-83-04-11	Condensing Heat Exchangers Optimize Steam Boilers	Sullivan, B.; Sullivan, P. A.	Link
ESL-IE-83-04-12	Conservation in a Gulf Coast Chemical Plant	Murray, F.	Link
ESL-IE-83-04-13	Case History - Energy Reduction at the Abilene Texas Instruments Plant	Reed, J. C.	Link
ESL-IE-83-04-14	Energy Conservation in Existing Olefins Plants	DeHaan, S.	Link
ESL-IE-83-04-15	Introducing Energy Management Systems into Smaller Facilities	Lawrence, J. A.	Link
ESL-IE-83-04-16	Case Study of Two Alternative Energy Management Systems	Wagner, J. R.	Link
ESL-IE-83-04-17	Analysis of Energy Management System Control Philosophies Utilizing Collected Field Data	Russell, B. D.; Gerloff, G. W.; Heller, R. P.; Perry, L. W.	Link
ESL-IE-83-04-18	Research Needs and Priorities for Textile Process Electrification	Hendrix, W. A.	Link
ESL-IE-83-04-19	Infra-Red Process for Colour Fixation on Fabrics	Biau, D.; Raymond, D. J.	Link
ESL-IE-83-04-20	Textile Drying Via Wood Gasification	McGowan, T. F.; Jape, A. D.	Link
ESL-IE-83-04-21	Energy Conservation in the Bell System	Draper, W. C.	Link
ESL-IE-83-04-22	Energy Savings by Wideband Temperature Control in Telephone Offices	Lingousky, J. E.; McKay, J. R.	Link
ESL-IE-83-04-23	Recovering the Heat Dissipated by the Digital Switching Equipment	Karasseferian, V. V.; Desjardins, R.	Link
ESL-IE-83-04-24	Business Growth with Energy Reduction Made Possible Through Technology	Osifchin, N.	Link

ESL-IE-83-04-25	Steelcase Closed Loop Energy Recovery System - What We Have Learned With Our Operation	Dornbos, D. L.; Sr.	Link
ESL-IE-83-04-26	Prospects for the Gasification of Refuse-Derived Fuel (RDF)	Woodruff, K. L.; Guard, R. F. W.	Link
ESL-IE-83-04-27	Geothermal Heat Pumps Produce Dramatic Savings	Niess, R. C.	Link
ESL-IE-83-04-28	Wood Fired Steam Plants in Georgia	Bulpitt, W. S.	Link
ESL-IE-83-04-29	A Biennially Renewable Fuel Resource: Woodchips	Krantz, B.	Link
ESL-IE-83-04-30	Energy Efficient Industrial Building Design	Holness, G. V. R.	Link
ESL-IE-83-04-31	Evaporative Cooling for Energy Conservation	Meyer, J. R.	Link
ESL-IE-83-04-32	Recirculation of Factory Heat and Air to Reduce Energy Consumption	Thiel, G. R.	Link
ESL-IE-83-04-33	Recirculation of In-Plant Air at General Motors	McKibben, V. L.	Link
ESL-IE-83-04-34	Third Party Financing of Alternate Energy Projects	Jones, A. C.	Link
ESL-IE-83-04-35	Leasing - An Innovative Way to Finance Energy Conservation Improvements	Day, G. C.	Link
ESL-IE-83-04-36	Energy Accounting in Shared Savings Programs	Cherry, P. R.	Link
ESL-IE-83-04-37	Application of Electrotechnologies - EPRI's Program	Harry, I. L.	Link
ESL-IE-83-04-38	Robotics and Energy Usage	Hershey, R. L.; Fenton, S. E.; Letzt, A. M.	Link
ESL-IE-83-04-39	Applications for Microwave Generators in the Process Industries	Humphrey, J. L.; Vasilakos, N. P.	Link
ESL-IE-83-04-40	The Use of Electricity in Industry and Energy Saving - The Gamma Co-Efficient	Wolf, R.; Froehlich, R.	Link
ESL-IE-83-04-41	The Energy Strategy Cycle	Korich, R. D.	Link
ESL-IE-83-04-42	The Application of Integrated Logistic Support Concepts in Energy Project Planning	Meher-Homji, C. B.; Polad, F. S.	Link
ESL-IE-83-04-43	The Energy Manager - Should He Be Working Himself Out Of A Job?	Hogeland, A. W.	Link
ESL-IE-83-04-44	Theories of Motivation - Borrowing the Best	Terpstra, D. E.	Link
ESL-IE-83-04-45	Selling Energy Conservation Projects to Top Management	Jonsson, K. A.	Link
ESL-IE-83-04-46	EPRI Cogeneration Models - DEUS and COPE	Mauro, R.; Hu, S. D.	Link
ESL-IE-83-04-47	An Assessment of Industrial Cogeneration Potential in Pennsylvania	Hinkle, B. K.; Qasim, S.; Ludwig, E. V.; Jr.	Link
ESL-IE-83-04-48	Cogeneration Assessment Methodology for Utilities	Sedlik, B.	Link
ESL-IE-83-04-49	Evaluating Utility Costs from Cogeneration Facilities	Polsky, M. P.	Link
ESL-IE-83-04-50	Analysis of In-Plant Cogeneration Using a Microcomputer	Schmidt, P. S.; Fisher, D. B.	Link
ESL-IE-83-04-51	Practical Application of Second Law Efficiency Analysis	Gaggioli, R. A.; Wepfer, W. J.	Link
ESL-IE-83-04-52	Master Control of Multiple Air Compressors	Petzold, M. A.	Link
ESL-IE-83-04-53	Biphase Turbine Tests on Process Fluids	Helgeson, N. L.; Maddox, J. P.	Link
ESL-IE-83-04-54	Energy Recovery in Industrial Distillation Processes	Paul, D. B.	Link
ESL-IE-83-04-55	The Thermodynamic and Cost Benefits of Floating Cooling Systems	Svoboda, K. J.; Klooster, H. J.; Johnnie, D. H.; Jr.	Link
ESL-IE-83-04-56	Serendipity and Little Treasures	Comiskey, W. T.; Lo, F. K.	Link
ESL-IE-83-04-57	Energy Conservation--Richmond Style	Haselton, F. W.	Link
ESL-IE-83-04-58	Energy Futures in Industry - Achievements Through Energy Conservation - A Success Story	Francis, G.; Tomlin, W. U.	Link
ESL-IE-83-04-59	US Air Force Facility Energy Management Program - How Industry Can Help the Air Force Meet Its Objectives	Holden, P. C.; Kroop, R. H.	Link
ESL-IE-83-04-60	Targeting of Potential Industrial Cogeneration at the Plant Site	Toy, M. P.; Brown, H. L.; Hamel, B. B.; Hedman, B. A.	Link
ESL-IE-83-04-61	Industrial Plant Objectives and Cogeneration System Development	Kovacik, J. M.	Link
ESL-IE-83-04-62	Industrial Energy Conservation by New Process Design and Efficiency Improvements	Kusik, C. L.; Stickle, R. P.; Machacek, R. F.	Link
ESL-IE-83-04-63	Why Insertion Turbine Meters are Replacing Orifice Plates for Steam Flow Measurement	Rusnak, J. J.	Link
ESL-IE-83-04-64	The Use of Hollow Plastic Balls as Energy Conservation Devices in Heated Open Tanks	Byrne, T. J.	Link
ESL-IE-83-04-65	Heat Loss Measurement Using Infrared Imaging	Seeber, S. A.	Link
ESL-IE-83-04-66	Conserve Energy: Modernize Your Solvent Deasphalting Unit	Lambert, J. S.; Gleitsmann, J. W.	Link
ESL-IE-83-04-67	Effective Transfer of Waste Heat Recovery Technology: A Case Study of GTE Products Corporation's Experience	Gonzalez, J. M.	Link
ESL-IE-83-04-68	Effective Transfer of Industrial Energy Conservation Technologies	Clement, M.; Vallario, R. W.	Link
ESL-IE-83-04-69	Foreign-Made Energy Conservation Equipment in the U. S. Market	Exstrum, B. A.	Link
ESL-IE-83-04-70	Demonstration: The Key to Technology Transfer in the Field of Energy Conservation in the UK	Carter, D. E. F.; Lawrence, J. E.	Link
ESL-IE-83-04-71	A Study of Adjustable Speed Drive Applications for Pumps	Trizenberg, D. M.; Lakhavani, S. T.	Link
ESL-IE-83-04-72	How to Improve Productivity with Energy-Efficient Motors	Curley, J. P.	Link
ESL-IE-83-04-73	Application Guidelines for Energy Efficient Motors	Cowern, E. H.	Link
ESL-IE-83-04-74	Electrical Demand Management	Fetters, J. L.; Teets, S. J.	Link
ESL-IE-83-04-75	Largest Ice-Bank Promotes Load Management	Brarmann, G. L.	Link
ESL-IE-83-04-76	Process Cooling Systems	McCann, C. J.	Link
ESL-IE-83-04-77	Cooling Towers, Energy Conservation Strategies	Burger, R.	Link
ESL-IE-83-04-78	Heat Recovery Consideration for Process Heaters and Boilers	Kumar, A.	Link
ESL-IE-83-04-79	Walk, Haydel Approach to Process Heat Recovery	Waldsmith, R. W.; Hendrickson, M. J.	Link
ESL-IE-83-04-80	Direct Refrigeration from Heat Recovery Using 2-Stage Absorption Chillers	Hufford, P. E.	Link
ESL-IE-83-04-81	Open-Cycle Vapor Compression Heat Pump System	Pasquinelli, D. M.; Becker, F. E.	Link
ESL-IE-83-04-82	Electric Driven Heat Pumps in Distillation Processes	Harris, G. E.	Link
ESL-IE-83-04-83	Protecting Your Precious Recuperators in High Temperature Processes	Reed, R. J.	Link
ESL-IE-83-04-84	Waste Heat Recovery in the Metal Working Industry	McMann, F. C.; Thurman, J.	Link
ESL-IE-83-04-85	Can You Afford Heat Recovery?	Foust, L. T.	Link
ESL-IE-83-04-86	Energy Conservation Design Features of the ARCO Metals Logan County Aluminum Process Complex	Speer, J. A.	Link
ESL-IE-83-04-87	An Energy Conservation Program at a Large Cable Manufacturing Plant	Reale, P. J.	Link
ESL-IE-83-04-88	Energy Planning - R. J. Reynolds Style	Cooper, R. H. Jr.	Link
ESL-IE-83-04-89	Industrial Strategic Planning - A New Approach to Developing Energy Efficient Programs	Delgado, R. M.; Mitchell, G. M.	Link
ESL-IE-83-04-90	Energy Management in the 1980's	Govindan, T. S.	Link

ESL-IE-83-04-91	Modern Boiler Control and Why Digital Systems are Better	Hughart, C. L.	Link
ESL-IE-83-04-92	Facilities Automation and Energy Management	Jen, D. P.	Link
ESL-IE-83-04-93	Economic Options for Upgrading Waste Heat	Erickson, D. C.	Link
ESL-IE-83-04-94	Heat Exchanger Monitoring and Its Application to Cleaning and Antifoulant Use	Garcia, E.; Leach, S. H.; VanNostrand, W. L.	Link
ESL-IE-83-04-95	Combustion Air Preheat on Steam Cracker Furnaces	Kenney, W. F.	Link
ESL-IE-83-04-96	Improving Fired Heater Efficiency	Shriver, J. E.	Link
ESL-IE-83-04-97	Unraveling the Excess Air/Coal Fineness Enigma	Laspe, C. G.	Link
ESL-IE-83-04-98	Temperature Compensated Air/Fuel Ratio Control on a Recuperated Furnace	Ferri, J. L.	Link
ESL-IE-83-04-99	Incentives to Accelerate the Penetration of Electricity in the Industrial Sector by Promoting New Technologies: A French Experiment	Bouchet, J.; Froehlich, R.	Link
ESL-IE-83-04-100	Energy Management and the Conservation Investment Decision	DeLozier, T. C.	Link
ESL-IE-83-04-101	Relative Investment Risks and Returns of Energy Management and Production Projects	Gaffney, B. J.; Inyard, F. H.	Link
ESL-IE-83-04-102	Corporate Profitability and Corporate Longevity	Gilbert, J. S.	Link
ESL-IE-83-04-103	Practical Application of Second Law Costing Methods	Wepfer, W. J.; Gaggioli, R. A.	Link
ESL-IE-83-04-104	A Methodology for Optimizing Boiler Operating Strategy	Jones, K. C.	Link
ESL-IE-83-04-105	Steam System Management Program Yields Fuel Savings for Refinery	Gaines, L. D.; Hagan, K. J.	Link
ESL-IE-83-04-106	Energy Management - Using Steam Pressure Efficiently	Jiandani, N.	Link
ESL-IE-83-04-107	Managing the Steam Trap Population	Atlas, R. D.	Link
ESL-IE-83-04-108	Condensate System Troubleshooting and Optimization	Jenkins, B. V.	Link
ESL-IE-83-04-109	The Productivity Dilemma in Manufacturing	Byrer, T. G.	Link
ESL-IE-83-04-110	Increasing Productivity of Welding	Uhrig, J. J.	Link
ESL-IE-83-04-111	Energy Saving Through High Frequency Electric Resistance Welding	Udall, H. N.	Link
ESL-IE-83-04-112	Application of Homopolar Pulsed Power to Metals Joining	Keith, R. E.; Aanstoots, T. A.; Weldon, W. F.	Link
ESL-IE-83-04-113	Industrial Potential for Substitution of Electricity for Oil and Natural Gas	Reynolds, S. D.; Gardner, J. R.	Link
ESL-IE-83-04-114	Electric Utility Industrial Conservation Programs	Norland, D. L.	Link
ESL-IE-83-04-115	Cogeneration - A Utility Perspective	Williams, M.	Link
ESL-IE-83-04-116	Load Management - An Industrial Perspective on This Developing Technology	Delgado, R. M.	Link
ESL-IE-83-04-117	Petroleum Refining Energy Use in Relation to Fuel Products Made	White, J. R.; Marshall, J. F.; Shoemaker, G. L.; Smith, R. B.	Link
ESL-IE-83-04-118	Upgrade Your Refinery for Energy Conservation	Johnnie, D. H.; Jr.; Klooster, H. J.	Link
ESL-IE-83-04-119	Retrofitting for Energy Savings	Elshout, R. V.	Link
ESL-IE-83-04-120	Energy Efficient Refinery Process Developed with U.S. D.O.E. Support	Mings, W. J.	Link
ESL-IE-83-04-121	Flare Gas Recovery in Shell Canada Refineries	Allen, G. D.; Wey, R. E.; Chan, H. H.	Link
ESL-IE-83-04-122	The Caterpillar Coal Gasification Facility	Welsh, J.; Coffeen, W. G.; III	Link
ESL-IE-83-04-123	The Mansfield Two Stage, Low BTU Gasification System: Report of Operations	Blackwell, L. T.; Crowder, J. T.	Link
ESL-IE-83-04-124	Testing Kentucky Coal to Set Design Criteria for a Lurgi Gasification Plant	Roeger, A.; III; Jones, J. E.; Jr.	Link
ESL-IE-83-04-125	Environmental Permitting of a Low-BTU Coal Gasification Facility	Murawczyk, C.; Stewart, J. T.	Link
ESL-IE-83-04-126	A State-Of-The-Art Review of Low Energy Separation Processes	Humphrey, J. L.; Fair, J. R.	Link
ESL-IE-83-04-127	Electrified Separation Processes in Industry	Appleby, A. J.	Link
ESL-IE-83-04-128	ROSE Process Offers Energy Savings for Solvent Extraction	Gearheart, J. A.; Nelson, S. R.	Link
ESL-IE-83-04-129	Freeze Crystallization Processes: Efficiency by Flexibility	Heist, J. A.; Barron, T. S.	Link
ESL-IE-83-04-130	Liquid-Liquid Extraction Processes	Fair, J. R.; Humphrey, J. L.	Link
ESL-TH-83-08-01	The Effect of CO ₂ on the Flammability Limits of Low-BTU Gas of the Type Obtained from Texas Lignite, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Gaines, W. R.	Link
ESL-TH-83-08-02	Intern Experience at Walton & Associates/Consulting Engineers, Inc., <i>Doctor of Engineering, College of Engineering, Texas A&M University.</i>	Blaschke, J. D.	Link
ESL-TH-83-08-03	Intern Experience at Al-Raha Establishment, <i>Doctor of Engineering, College of Engineering, Texas A&M University.</i>	Zard Aboujaude, Roger Elias	Link
ESL-PA-84-04-01	Energy Management Degree Specialization at Texas A&M University	Murphy, W. E.; O'Neal, D. L.; Heffington, W. M.; Turner, W. D.; Somasundaram, S.; Holmes, R. E.	Link
ESL-IE-84-04-01	Selecting Financing Strategies to Overcome Corporate Barriers	Michaelson, M. L.	Link
ESL-IE-84-04-02	Financing Energy Projects in DOW	Dingwall, D. C.	Link
ESL-IE-84-04-04	Gaining Top Management Support for Energy Conservation Programs	Kenney, W. F.	Link
ESL-IE-84-04-05	The Economics and Corporate Culture of Energy Conservation	Gilbert, J. S.	Link
ESL-IE-84-04-06	Increase Productivity - Implement Energy Management Systems with Project Management Techniques	Spinner, M. P.	Link
ESL-IE-84-04-07	Foam Processing of Textiles	Bafford, R. A.; Nambodri, C. G.	Link
ESL-IE-84-04-08	Energy Conservation in Fertilizer Production	Mings, W. J.; Sonnett, W. M.	Link
ESL-IE-84-04-09	Alternative Heat Recovery Options for Single-Stage Spray Dryers	Wagner, J. R.	Link
ESL-IE-84-04-10	Computer-Aided Design Reveals Potential of Gas Turbine Cogeneration in Chemical and Petrochemical Plants	Nanny, M. D.; Koeroghlian, M. M.; Baker, W. J.	Link
ESL-IE-84-04-11	Reliability, Availability and Maintainability Considerations for Gas Turbine Cogeneration Systems	Meher-Homji, C. B.; Focke, A. B.	Link
ESL-IE-84-04-12	Optimization of Combustion Efficiency for Supplementally Fired Gas Turbine Cogenerator Exhaust Heat Receptors	Waterland, A. F.	Link
ESL-IE-84-04-13	A Free Cooling Based Chilled Water System at Kingston	Jansen, P. R.	Link
ESL-IE-84-04-14	Heat Recovery and Indirect Evaporative Cooling for Energy Conservation	Buckley, C. C.	Link
ESL-IE-84-04-15	Humidification Steam vs. Water-Spray	Gidwani, B. N.; Weston, R. F.	Link
ESL-IE-84-04-16	Degradation of Structural Alloys Under Thermal Insulation	McIntyre, D. R.	Link

ESL-IE-84-04-17	Recent Experiences with Corrosion Beneath Thermal Insulation in a Chemical Plant	Long, V. C.; Crawley, P. G.	Link
ESL-IE-84-04-18	A Rapid Scanning Inspection Method for Insulated Ferromagnetic Tubing	Marsh, G. M.; Milewits, M.	Link
ESL-IE-84-04-19	Guidelines for Assessing the Feasibility of Small Cogeneration Systems	Whiting, M. Jr.	Link
ESL-IE-84-04-20	Application of Cogeneration to Small Commercial Systems	Cooper, D. S.	Link
ESL-IE-84-04-23	Energy Productivity Improvement in Petrochemical Plants	Robinson, A. M.	Link
ESL-IE-84-04-24	Operations Improvement Surveys	Guide, J. J.; O'Brien, W. J.	Link
ESL-IE-84-04-25	Nothing is Constant But Change	Kelly, R. L.	Link
ESL-IE-84-04-28	Heat Transfer Technology	Lefevre, M. R.	Link
ESL-IE-84-04-29	Questions About Your Cooling Water System That You Need To Ask	Matson, J. V.	Link
ESL-IE-84-04-32	Combustion Control	Riccardi, R. C.	Link
ESL-IE-84-04-33	Application of Oxygen Trim Control to Small Packaged Boilers	Nelson, R. L.	Link
ESL-IE-84-04-34	How to Evaluate Low Excess Air Controls for Packaged Boilers	Londerville, S. B.; Kerler, W. J.	Link
ESL-IE-84-04-35	Meteorological Effects on Air/Fuel Ratio	Ferri, J. L.	Link
ESL-IE-84-04-36	Why the Accuracy of Analytical Instrumentation Affects Boiler Combustion Efficiency	McFadden, R. W.	Link
ESL-IE-84-04-37	Sensitivity Analysis of Factors Effecting the Financial Viability of Cogeneration Projects	Clunie, J. F.	Link
ESL-IE-84-04-38	Cogeneration Energy Profitability from the Energy User and Third-Party Viewpoint	Polsky, M. P.	Link
ESL-IE-84-04-39	Cogen3: A Computer System for Design, Costing and Economic Optimization of Cogeneration Projects	Manuel, E. H.; Jr.	Link
ESL-IE-84-04-41	Cogeneration Economics	Mongon, A.	Link
ESL-IE-84-04-42	Promoting Energy Efficiency in Industry: Utility Roles and Perspectives	Limaye, D. R.; Davis, T. D.	Link
ESL-IE-84-04-43	Off Peak Power - An Alternative to Interruptible Service	Nordyke, H. G.; Jr.	Link
ESL-IE-84-04-44	Impact of Industrial Electric Rate Structure on Load Management - A Utility Viewpoint	Richardson, J. A.	Link
ESL-IE-84-04-45	Load Schedule Coordination for a Large Linear Accelerator: An Operation Powerplay Concept	Johnson, W. H.	Link
ESL-IE-84-04-46	Industrial Interruptible Power: An Economical Alternative	Reynolds, S. D.; Gardner, J. R.	Link
ESL-IE-84-04-47	Heat Pipes: An Industrial Application	Murray, F.	Link
ESL-IE-84-04-48	Energy Saving with Absorption Refrigeration Technologies	Davis, R. C.	Link
ESL-IE-84-04-49	The GTE Ceramic Recuperator for High Temperature Waste Heat Recovery	Dorazio, R. E.; Gonzalez, J. M.; Ferri, J. L.; Rebello, W. J.; Ally, M. R.	Link
ESL-IE-84-04-50	Heat Transfer Enhancement: Second Generation Technology	Bergles, A. E.; Webb, R. L.	Link
ESL-IE-84-04-51	Waste Heat Recovery in Cement Plants By Fluidized Beds	Fraley, L. D.; Ksiao, H. K.; Thunem, C. B.	Link
ESL-IE-84-04-52	Evaluation of Technical Software for Microcomputers	Schmidt, P. S.; Williams, M. A.	Link
ESL-IE-84-04-53	Micro Computers: An Industrial Energy Conservation Tool	Harriz, J. T.	Link
ESL-IE-84-04-54	Financial Impact of Good Condenser Vacuum in Industrial Steam Turbines: Computer Modeling Techniques	Viar, W. L.	Link
ESL-IE-84-04-55	A Microcomputer Model of Crossflow Cooling Tower Performance	Reichelt, G. E.; Jones, J. W.	Link
ESL-IE-84-04-56	The Economics of Oxygen Enriched Air Production Via Membranes	Gollan, A.; Kleper, M. H.	Link
ESL-IE-84-04-57	Catalytic Distillation	Smith, L. A.; Jr.; Hearn, D.; Wynegar, D. P.	Link
ESL-IE-84-04-59	Energy Conservation Revamps in Fluid Catalytic Cracking Systems	Wilson, J. W.; Sloan, H. D.	Link
ESL-IE-84-04-60	Electrofiltration: An Energy Efficient Alternative for Solid-Liquid Separation	Bollinger, J. M.; Adams, R. A.	Link
ESL-IE-84-04-61	The Chemical Engineer's Role in Economic Recovery	Felch, D. E.; Stine, L. O.; Vickers, A. G.	Link
ESL-IE-84-04-62	Energy Management Degree Specialization at Texas A&M University	Murphy, W. E.; O'Neal, D. L.	Link
ESL-IE-84-04-63	Energy Conservation and the Environment - Designing for Cost Savings and Minimum Emissions	Johnnie, D. H.; Jr.; Klooster, H. J.; Nagy, J. F.	Link
ESL-IE-84-04-64	Retrofit Projects Through Pinch Technology	Linnhoff, B.; Vredevelde, D. R.	Link
ESL-IE-84-04-65	The Use of Simulation Techniques for Improving Energy Consumption of Industrial Processes	Gourlia, J. P.; Jamen, R.	Link
ESL-IE-84-04-66	Multi-Fuel Boiler Efficiency Calculations	Likins, M. R.; Jr.	Link
ESL-IE-84-04-67	Effect of Combustion Air Preheat on a Forge Furnace Productivity	Ward, M. E.; Bohn, J.; Davis, S. R.; Knowles, D.	Link
ESL-IE-84-04-68	Indirect Heat Transfer Technology For Waste Heat Recovery Can Save You Money	Beyrau, J. A.; Bogel, N. G.; Seifert, W. F.; Wuelpert, L. E.	Link
ESL-IE-84-04-69	Heat Recovery Consideration for Process Heaters and Boilers	Kumar, A.	Link
ESL-IE-84-04-72	Topping Turbines: Adding New Life to Older Plants	Cadrecha, M.	Link
ESL-IE-84-04-73	Cogeneration with Thermionics and Electrochemical Cells	Miskolczy, G.; Goodale, D.; Huffman, F.; Morgan, D.	Link
ESL-IE-84-04-74	Simulation of an Industrial Rankine Cycle Cogeneration Plant	Carattie, G.; Wepfer, W. J.	Link
ESL-IE-84-04-75	Evaluation and Design of Utility Co-Owned Cogeneration Systems for Industrial Parks	Hu, D. S.; Tamaro, R. F.; Schiller, S. R.	Link
ESL-IE-84-04-76	Preliminary Evaluation of Load Management for Electricity End Users	Collier, S. E.	Link
ESL-IE-84-04-77	Electrical Energy Conservation and Load Management - An Industrial User's Viewpoint	Jackson, C. E.	Link
ESL-IE-84-04-78	Load Management and Houston Lighting and Power Co.	Drawe, R. G.; Ramsay, I. M.	Link
ESL-IE-84-04-79	Energy Productivity Via Time-of-Day Rates	Michael, R. S.	Link
ESL-IE-84-04-80	Is Conservation a Legitimate Goal of Regulation?	Goble, G. L.	Link
ESL-IE-84-04-81	Update on DOE Integrated Energy Systems Projects	Williams, T. E. Jr.	Link
ESL-IE-84-04-82	Energy Conservation in Army Industrial Facilities	Aveta, G. A.; Sliwinski, B. J.	Link
ESL-IE-84-04-83	Energy Conservation Progress and Opportunities in the Pulp and Paper Industry	Watkins, J. J.; Hunter, W. D.	Link
ESL-IE-84-04-84	Energy Use Reduction Potential in the Beet Sugar Industry	Barron, T. S.; Heist, J. A.	Link
ESL-IE-84-04-85	Distillation: Present Status and Future Directions	Fair, J. R.; Humphrey, J. L.	Link
ESL-IE-84-04-86	Optimal Control of Distillation Systems	Chatterjee, N.; Suchdeo, S. R.	Link
ESL-IE-84-04-87	Supercritical Fluid Extraction	Johnston, K. P.; Flarsheim, W. M.	Link
ESL-IE-84-04-88	Gas-Adsorption Processes - An Update	Keller, G. E.; Il	Link

ESL-IE-84-04-89	Gas Separation Using Membranes	Koros, W. J.; Paul, D. R.	Link
ESL-IE-84-04-90	Total Economics of Energy Efficient Motors	Nester, A. T.	Link
ESL-IE-84-04-91	Evaluating High Efficiency Motor Retrofit	Evans, T. A.	Link
ESL-IE-84-04-92	Premium Efficient Motors	Moser, P. R.	Link
ESL-IE-84-04-93	Analysis of the Repair vs. Replace Decision for Small AC Motors	Chamberlain, P. F.	Link
ESL-IE-84-04-95	Motivation: A Soft Approach to Energy Management	Eibes, T.J.	Link
ESL-IE-84-04-96	Efficient Energy Utilization in the Industrial Sector - Case Studies	Davis, S. R.	Link
ESL-IE-84-04-97	Our Most Popular Energy Conservation Opportunities - Ideas That Could Save Big Dollars For You	Whitney, R. D.; Al-Qattan, I. Y.; Turner, W. C.	Link
ESL-IE-84-04-98	Retrofit Installations of Adjustable Speed Drives to Conserve Energy at Industrial Facilities	Porcaro, C. R.; Galstaun, L. S.; Holmes, M. L.	Link
ESL-IE-84-04-99	Reducing Energy Consumption in Industrial Facilities	Whalen, J. M.	Link
ESL-IE-84-04-100	Computer Control of Unattended Plants	Vinson, D. R.; Chatterjee, N.	Link
ESL-IE-84-04-101	Microprocessor-Based Controllers Enhance Process Control	Hall, G. F.	Link
ESL-IE-84-04-103	Energy Management - What Is Its Role in 1984	Hogeland, A. W.	Link
ESL-IE-84-04-104	The Seven Keys to Success in Energy Management and Conservation	Darby, D. F.	Link
ESL-IE-84-04-105	Organizing and Managing for Energy Productivity	Sipple, P. A.	Link
ESL-IE-84-04-106	Energy Conservation Project Evaluation by Investment Equivalents	Larson, R. J.	Link
ESL-IE-84-04-107	Cost Effectiveness Analysis for Conservation Investments	Reid, M. W.	Link
ESL-IE-84-04-108	Can Your Energy System Pass the Pressure Test?	Shirley, J.	Link
ESL-IE-84-04-109	The Cost of Conserved Energy As An Investment Statistic	Meier, A. K.	Link
ESL-IE-84-04-110	Economic and Policy Factors Affecting Energy Efficiency Improvements in the U. S. Paper Industry	Freund, S. H.	Link
ESL-IE-84-04-112	Effective Steam Trap Selection/Maintenance - Its Payback	Garcia, E.	Link
ESL-IE-84-04-113	New 90,000 PPH Coal Fired Boiler Plant at Liggett & Myers Tobacco Company, Durham, North Carolina	Kaskey, G. T.	Link
ESL-IE-84-04-116	Absorption Cycle Fundamentals and Applications Guidelines for Distillation Energy Savings	Erickson, D. C.; Davidson, W. F.	Link
ESL-IE-84-04-117	Procedure for Applying an Open-Cycle Heat Pump to An Existing Evaporator	Wagner, J. R.; Brush, F. C.	Link
ESL-IE-84-04-118	Determination of Thermal-Degradation Rates of Some Candidate Rankine-Cycle Organic Working Fluids for Conversion of Industrial Waste Heat Into Power	Jain, M. L.; Demirgian, J.; Krazinski, J. L.; Bushby, H.; Mattes, H.; Purcell, J.	Link
ESL-IE-84-04-119	Metal Hydride Chemical Heat Pumps for Industrial Use	Ally, M. R.; Rebello, W. J.; Rosso, M. J.; Jr.	Link
ESL-IE-84-04-120	Four Technologies to Save Energy	Goldstein, V.	Link
ESL-IE-84-04-121	Demonstration of Heat Recovery in the Meat Industry	Molczan, T.J.; Scriven, A. P.; Magro, J.	Link
ESL-IE-84-04-122	Ground Water Cooling System	Greaves, K.; Chave, G. H.	Link
ESL-IE-84-04-123	Integrated Industrial Wood Chip Utilization	Owens, E. T.	Link
ESL-IE-84-04-124	Cogeneration Leads to Major Aquaculture and Greenhouse Development in Canada	Mercer, J.	Link
ESL-IE-84-04-125	Innovative Energy Projects in Ontario	Samson, P.	Link
ESL-IE-84-04-127	Energy Management Services for the Industrial Market Segment at TVA	Hamby, R. E.; Knight, V. R.	Link
ESL-IE-84-04-129	Formulation of Prediction Algorithms for Management of Commercial and Industrial Energy Loads	Forrester, R. J.; Wepfer, W. J.	Link
ESL-IE-84-04-130	How To Get The Best Value When You Buy An Energy Management System	Coggan, D. A.	Link
ESL-IE-84-04-131	Controlling Energy Costs with Coal Conversion	Sadowski, R. S.; von Hippel, C. S.	Link
ESL-IE-84-04-132	Particulate Waste Product Combustion System	King, D. R.; Chastain, C. E.	Link
ESL-IE-84-04-133	Hog Fuel Drying Using Vapour Recompression	Azarniouch, M. K.; MacEachen, I.	Link
ESL-IE-84-04-134	Wood Residues as Fuel Source for Lime Kilns	Azarniouch, M. K.; Philp, R. J.	Link
ESL-IE-84-04-135	Resource Recovery Contracting: Risk Analysis and Other Critical Considerations	Lester, P. A.	Link
ESL-IE-84-04-136	Wood Burning Combined Cycle Power Plant	Culley, J. W.; Bourgeois, H. S.	Link
ESL-IE-84-04-137	The Wanlass Polyphase Rotating Magnetic Device in Electric Motor and Induction Generator Applications	Asp, D. E.	Link
ESL-IE-84-04-138	Fuel Cells - The Reality of a High Technology	Cuttica, J. J.	Link
ESL-IE-84-04-139	Oxygen Enrichment in the Process and Chemical Industries	Milne, R. T.	Link
ESL-IE-84-04-140	The Solarex Solar Power Industrial Facility	Macomber, H. L.; Bumb, D. R.	Link
ESL-IE-84-04-141	Heat-Traced Fluid Transfer Lines	Schilling, R. E.	Link
ESL-IE-84-04-142	Unit Operation Efficiency Improvement Through Motionless Mixing	King, L. T.	Link
ESL-IE-84-04-143	Energy Conservation in the Clean Environment: A Design for All Seasons	Cook, E. H.	Link
ESL-IE-84-04-144	Circulating Fluidized Bed Combustion Boiler Project	Farbstein, S. B.; Moreland, T.	Link
ESL-IE-84-04-145	Proper Design Saves Energy for Molecular Sieve Dehydration Systems	Barrow, J. A.; Veldman, R.	Link
ESL-PA-84-06-01	Measurement of Frost Growth and Density in a Parallel Plate Geometry, <i>ASHRAE Transactions</i> , June 1984, Volume 90, Part 2.	O'Neal, D. L.; Tree, D.	Link
ESL-PA-84-08-01	Flammability Limits of Coal-Derived Low-Btu Gas Mixtures Containing Large	Heffington, W. M.; Gaines, W. R.; Renfroe, D. A.	Link
ESL-TR-84-08-01	Reducing Energy Costs in the Texas State Agencies: Conservation and Policy Options: Volume II – Final Report, <i>Energy Systems Laboratory, Texas A&M University</i> .	Turner, W. D.; O'Neal, D. L.; Murphy, W. E.; Subramanian, S. T.	Link
ESL-HH-84-08-01	"Energy Study of City Hall Building" Port Arthur, Texas 1980-1981	Andrews, J. A.	Link
ESL-HH-84-08-02	Retrofitting of Conditioning Systems for Existing Small Commercial Buildings - Analysis and Design of Liquid Desiccant - Vapor Compression Hybrid	Arnas, O. A.; McQueen, T. M.	Link
ESL-HH-84-08-03	The Value of the EWIT Computer Program in Identifying Economically Viable Retrofit Options for Existing Commercial Buildings	Andrews, W. M.	Link
ESL-HH-84-08-04	Energy Management Experience in Public Schools	McClure, J. D.	Link
ESL-HH-84-08-05	Auxiliary Cooling Loads in Passively Cooled Buildings: An Experimental Research Study	Fairey, P.; Vieira, R.; Chandra, S.; Kerestecioglu, A.; Kalaghchy, S.	Link
ESL-HH-84-08-06	A Gas-Fired Heat Pipe Zone Heater	Winn, C. B.; Burns, P.; Guire, J.	Link
ESL-HH-84-08-07	A Research Into a New Method of Refrigeration Charging and the Effects of Improper Charging	Houcek, J.; Thedford, M.	Link

ESL-HH-84-08-08	The Influence of Residential Solar Water Heating on Electric Utility Demand	Vliet, G. C.; Askey, J. L.	Link
ESL-HH-84-08-09	Electrical Demand Control	Eppelheimer, D.	Link
ESL-HH-84-08-10	Multi-Source Hydronic Heat Pump System Performance Test Bed	Meckler, M.	Link
ESL-HH-84-08-11	A Study of the Electrical Energy Usage Patterns of a Texas Dairy	Schneider, K. C.; Pollard, K. W.	Link
ESL-HH-84-08-12	Utility Cost Analysis	Horn, S.	Link
ESL-HH-84-08-13	Design Considerations, Installation and Operation of the Two-Stage Parallel Flow Absorption Chiller	Hufford, P. E.	Link
ESL-HH-84-08-14	Designing for Energy Conservation - The Cypress Fairbanks Medical Center Hospital	Wiernik, L. B.; Ranzau, P. A.	Link
ESL-HH-84-08-15	Optimization of Chilled Water Systems	Gidwani, B. N.	Link
ESL-HH-84-08-16	Economic Analysis of Home Heating and Cooling	Wagers, H.	Link
ESL-HH-84-08-17	System Optimization - The Global Approach to HVAC Control	Thielman, D. E.	Link
ESL-HH-84-08-18	Application of an Energy Management System to a Distribution Center	Warnick, T.	Link
ESL-HH-84-08-19	Local Area Networks - Applications to Energy Management	Bakken, B. M.	Link
ESL-HH-84-08-20	Demand Control Utilizing Energy Management Systems - Report of Field Tests	Russell, B. D.; Heller, R. P.; Perry, L. W.	Link
ESL-HH-84-08-21	The D.O.E. Slide Rule: An Energy Conservation Estimating Tool for Homebuilders	Winter, S.; Tuluca, A.	Link
ESL-HH-84-08-22	Design of Control Systems for HVAC Applications	Smith, A. L.	Link
ESL-HH-84-08-23	Selection, Sizing, and Testing of Stream Traps in Commercial Buildings	Armer, A.; Risko, J. R.	Link
ESL-HH-84-08-24	League City Intermediate School - A Study in Energy Efficient Design	Longserre, J. T.; Ahrens, L.	Link
ESL-TH-84-12-02	Internship experience at Lockwood, Andrews & Newman, Inc. <i>Masters of Engineering, Department of Mechanical Engineering, Texas A&M University.</i>	Bolander, J.	Link
ESL-PA-85-05-01	Cogeneration Opportunities in Texas State Agencies	Murphy, W. E.; Turner, W. D.; O'Neal, D. L.; Bolander, J. N.; Seshan, S.	Link
ESL-PA-85-05-02	A Review of Frost Formation in Simple Geometries, <i>ASHRAE Transactions 1985, Vol. 91, Pt. 2.</i>	O'Neal, D. L.; Tree, D. R.	Link
ESL-IE-85-05-03	Cogeneration Opportunities in Texas State Agencies	Murphy, W. E.; Turner, W. D.; O'Neal, D. L.; Bolander, J. N.; Seshan, S.	Link
ESL-IE-85-05-01	Small-Scale Industrial Cogeneration: Design Using Reciprocating Engines and Absorption Chiller	Wagner, J. R.	Link
ESL-IE-85-05-02	Fundamentals of a Third-Party Cogeneration Project	Grantham, F.; Stovall, D.	Link
ESL-IE-85-05-03	Cogeneration Opportunities in Texas State Agencies	Murphy, W. E.; Turner, W. D.	Link
ESL-IE-85-05-04	Process Energy Retrofits	Steinmeyer, D.	Link
ESL-IE-85-05-05	Quick Estimate of IRR From Capital Estimate Ratios	Larson, R. J.	Link
ESL-IE-85-05-07	Separation Process Economics	Barron, T. S.; Wrobel, P. J.	Link
ESL-IE-85-05-08	Distillation: Energy Savings and Other Benefits From the Use of High-Efficiency Packings	Bravo, J. L.; Fair, J. R.; Humphrey, J. L.	Link
ESL-IE-85-05-09	Reducing Energy Usage in Extractive Distillation	Saxena, A. C.; Bhandari, V. A.	Link
ESL-IE-85-05-10	An Attack on Centrifugal Costs	Murray, P. F.	Link
ESL-IE-85-05-11	Save with Hybrid Refrigeration	Chung, C. W.	Link
ESL-IE-85-05-12	Conserve Energy by Optimizing Air Compressor System	Williams, V. A.	Link
ESL-IE-85-05-13	Development and Performance Testing of a New Ceramic Recuperator	Kleiner, R. N.	Link
ESL-IE-85-05-14	Exxon Chemical's Coal-Fired Combined Cycle Power Technology	Guide, J. J.	Link
ESL-IE-85-05-15	Coal-Fired Fluidized Bed Combustion Cogeneration	Thunem, C.; Smith, N.	Link
ESL-IE-85-05-16	Refinery Furnaces Retrofit with Gas Turbines Achieve Both Energy Savings and Emission Reductions	Giacobbe, F.; Iaquaniello, G.; Minet, R. G.; Pietrogrande, P.	Link
ESL-IE-85-05-17	The Future of Passive Solar in Industry	Wulfinghoff, D. R.	Link
ESL-IE-85-05-18	Production of High Quality Dust Control Foam to Minimize Moisture Addition to Coal	Termine, F.; Jordan, S. T.	Link
ESL-IE-85-05-19	Predicting Steam Turbine Performance	Harriz, J. T.	Link
ESL-IE-85-05-20	Foreign Competition - The Great Debate	Foveaux, M. T.	Link
ESL-IE-85-05-21	Gas Turbine Technology, Part A: Overview, Cycles and Thermodynamic Performance	Meher-Homji, C. B.; Focke, A. B.	Link
ESL-IE-85-05-22	Gas Turbine Technology, Part B: Components, Operations, and Maintenance	Meher-Homji, C. B.; Focke, A. B.	Link
ESL-IE-85-05-23	Gas Turbine Fired Heater Integration: Achieve Significant Energy Savings	Iaquaniello, G.; Pietrogrande, P.	Link
ESL-IE-85-05-24	Bayou Cogeneration Plant - A Case Study	Bray, M. E.; Bollinger, J. M.; Mellor, R.	Link
ESL-IE-85-05-25	Gas Turbine Cogeneration Plant for the Dade County Government Center	Michalowski, R. W.; Malloy, M. K.	Link
ESL-IE-85-05-26	Distillation: The Efficient Workhorse	Steinmeyer, D.	Link
ESL-IE-85-05-27	Membrane Separations of Liquid Mixtures	Lloyd, D. R.	Link
ESL-IE-85-05-28	"Separations: Dust to Dust" or "You Can't Escape 'Em"	Massey, R. G.	Link
ESL-IE-85-05-29	Supercritical Fluid Extraction Applications in the Process Industries	Lahiere, R. J.; Fair, J. R.; Humphrey, J. L.	Link
ESL-IE-85-05-30	Pressure Swing Adsorption - An Energy Conservation Success Story	Kennedy, P. E.; Hill, J. D.	Link
ESL-IE-85-05-31	How We Achieved a 41% Energy Reduction	Maze, M. E.	Link
ESL-IE-85-05-32	Some Experience with Training for Energy Conservation	Kenney, W. F.; Garcia, E.	Link
ESL-IE-85-05-33	Energy Affairs and the Environment	Cooper, J. I.	Link
ESL-IE-85-05-34	Energy Management Programs - Monitoring Performance	Pauls, S. P.; Shamy, M. D.	Link
ESL-IE-85-05-35	Energy Conservation in China North Industries Corporation	You, W. T.; De, C. H.; Chu, J. X.; Fu, L. R.	Link
ESL-IE-85-05-36	Utility Roles in Preserving the Industrial Base	Gilbert, J. S.	Link
ESL-IE-85-05-37	Partnerships with Industry - A Successful "Conservation and Load Management Program"	Johnston, W. E.	Link
ESL-IE-85-05-38	Bonneville Power Administration's Purchase of Energy Savings	Schick, H.; McMillan, L. E.	Link
ESL-IE-85-05-39	Energy Conservation and Management for Electric Utility Industrial Customers	McChesney, H. R.; Obee, T. N.; Mangum, G. F.	Link
ESL-IE-85-05-40	Implications of the Public Utility Regulatory Act for Energy Efficiency in Texas	Biedrzycki, C. J.	Link
ESL-IE-85-05-41	Microcomputer Software for Refrigerant Property and Cycle Analysis Calculations	Bierschenk, J. L.; Strohl, S. T.; Schmidt, P. S.	Link
ESL-IE-85-05-42	Equipment Energy Models Using Spreadsheet Programs	Gilbert, J. S.	Link
ESL-IE-85-05-43	Computer Automated Start-up and Shutdown of an Air Separation Plant	Russek, S. L.; Beckowski, T. M.; Vinson, D. R.	Link
ESL-IE-85-05-44	Upgrade of Multiple Boiler/Turbine Plant to Microprocessor Control - A Case History	Schenk, J. R.; Sommer, A. C.	Link
ESL-IE-85-05-45	An Introduction to Waste Heat Recovery	Darby, D. F.	Link

ESL-IE-85-05-46	Heat Recovery Considerations for Process Heaters and Boilers	Kumar, A.	Link
ESL-IE-85-05-47	Heat Pipe Technology for Energy Conservation in the Process Industry	Price, B. L.; Jr.	Link
ESL-IE-85-05-48	Protecting the Investment in Heat Recovery with Boiler Economizers	Roethe, L. A.	Link
ESL-IE-85-05-49	Pitfalls in Building and HVAC Systems	Gidwani, B. N.	Link
ESL-IE-85-05-50	Applying DDC and VFD to Central Chilled Water Plants for Profits	Utesch, A. L.	Link
ESL-IE-85-05-51	A Distributed Facilities Automation System for IBM Buildings	Houle, W. D.; Sr.	Link
ESL-IE-85-05-53	Energy Conservation Studies of Existing HVAC Systems	Phelan, T. R.; Patterson, C. L.	Link
ESL-IE-85-05-54	Thermal Insulation Performance in the Process Industries: Facts and Fallacies	Tye, R. P.	Link
ESL-IE-85-05-55	Conservation of Energy Through Engineered Specification and Onsite Review	Wartan, W. J.	Link
ESL-IE-85-05-56	Experience with 113 Retrofit Insulation Surveys	Webber, W. O.	Link
ESL-IE-85-05-57	In Situ Energy Loss Instruments for Insulation Economy and Process Control	Hauser, R. L.; McKeever, R. B.; Stull, D. P.	Link
ESL-IE-85-05-58	The Thermal Conductivity of Low Density Concretes Containing Perlite	Yarbrough, D. W.	Link
ESL-IE-85-05-59	Manufacturing Environment in the Year 2000	Slauterback, W. H.	Link
ESL-IE-85-05-60	Working Towards 100% Electronic Transactions on the Shop Floor	Terwilliger, M.	Link
ESL-IE-85-05-61	CIMplementation™: Evaluating Manufacturing Automation	Krakauer, J.	Link
ESL-IE-85-05-62	Artificial Intelligence	Appleton, D. S.	Link
ESL-IE-85-05-63	Combustion Catalysts in Industry - An Update	Merrell, G. A.; Knight, R. S.	Link
ESL-IE-85-05-64	Flow Metering and Oxygen Trim Control Reduce Dairy Steam Plant Fuel Costs	Foster, E. L.; Nelson, R. L.	Link
ESL-IE-85-05-65	An Advanced Oxygen Trim Control System	Miller, J. G.	Link
ESL-IE-85-05-66	Maximizing Combustion Efficiency Through Selection of Optimum CO Control Levels	McGowan, G. F.; Ketchum, R. L.	Link
ESL-IE-85-05-67	Fluid Bed Combustion Applied to Industrial Waste	Mullen, J. F.; Sneyd, R. J.	Link
ESL-IE-85-05-68	Communications and the Energy Manager	Cooper, J. I.	Link
ESL-IE-85-05-69	Employee Participation Through High Standards and Information Feedback	Weisenthal, M.	Link
ESL-IE-85-05-70	Three Paths to Energy Savings	Weiss, V. N.	Link
ESL-IE-85-05-71	A Manager's Approach to Energy Cost Management	Spencer, R. J.	Link
ESL-IE-85-05-72	Behavioral Energy Management: Improving Conservation Behavior and Attitudes with Operant Conditioning	Eibes, T.; Deere, J.; Jedlicka, A.	Link
ESL-IE-85-05-73	Steam Traps - The Oft Forgotten Energy Conservation Treasure	Pychewicz, F. S.	Link
ESL-IE-85-05-74	Steam Trap Management	Murphy, J. J.; Hittner, H. H.; Atlas, R. D.	Link
ESL-IE-85-05-75	The Elimination of Steam Traps	Dickman, F.	Link
ESL-IE-85-05-76	Energy Conservation - As It Applies To Condensate Return Systems	Sneary, M. L.	Link
ESL-IE-85-05-77	Energy Saving by Recovery of Condensate from Steam Heating System	Wu, S. C.; Cheng, S. Z.; Jinan, B. R. C.	Link
ESL-IE-85-05-78	An Integrated Approach to Evaluating the Technical and Commercial Options for Cogeneration Facilities in the Process Industry	Cooke, D. H.; McCue, R. H.	Link
ESL-IE-85-05-79	The Economics of Cogeneration Selection	Fisk, R. W.; Hall, E. W.; Sweeney, J. H.; III	Link
ESL-IE-85-05-80	Cogeneration System Design Options	Gilbert, J. S.	Link
ESL-IE-85-05-81	Cogeneration Planning	Mozzo, M. A.; Jr.	Link
ESL-IE-85-05-82	Case Studies of High Efficiency Electric Motor Applicability	Wagner, J. R.	Link
ESL-IE-85-05-83	Adjustable Speed - A Tool for Saving Energy Losses in Pumps, Fans, Blowers and Compressors	Hickok, H. N.	Link
ESL-IE-85-05-84	Case Histories of Energy Efficient Motors	Comiskey, W. T.; Riley, J. C.	Link
ESL-IE-85-05-85	Graphical Methods in Energy Conservation	McAlister, J.	Link
ESL-IE-85-05-86	An R&D Program for Advanced Industrial Heat Pumps	Hayes, A. J.	Link
ESL-IE-85-05-87	Development Requirements for Advanced Industrial Heat Pumps	Chappell, R. N.; Priebe, S. J.; Bliem, C.J.; Mills, J. I.	Link
ESL-IE-85-05-88	Advanced Mechanical Heat Pump Technologies for Industrial Applications	Mills, J. I.; Plaster, D. S.; Chappell, R. N.	Link
ESL-IE-85-05-89	An Economic Analysis of Industrial Absorption Heat Pumps	Perez-Blanco, H.; Kaplan, S. I.; Huntley, W. R.	Link
ESL-IE-85-05-90	Application of Reversible Chemical Reactions for Temperature Amplification	Ally, M. R.; Rebello, W. J.; Suci, D. F.	Link
ESL-IE-85-05-91	Little Silver Bullets	Korich, R. D.	Link
ESL-IE-85-05-92	Our Favorite Energy Management Opportunities - A Review of Over 150 Energy Audits of Industrial Firms	Webb, R. E.; Lewis, M.; Spivey, V.; Knight, N.; Turner, W. C.	Link
ESL-IE-85-05-93	Low Capital Energy Conservation Retrofits at Temple-Eastex Incorporated	Hedleston, J. L.	Link
ESL-IE-85-05-94	Industrial Energy Conservation in Central America and Panama	Oven, M. J.; Pashkevich, P. A.	Link
ESL-IE-85-05-95	Energy Savings + Employee Comfort	Takach, J.	Link
ESL-IE-85-05-96	Integrated Design of Chemical Processes and Utility Systems	Linnhoff, B.	Link
ESL-IE-85-05-97	Process Integration - What is the Incentive?	Declercq, D.; Kaibel, G.	Link
ESL-IE-85-05-98	Integrated Computer Software for Process Design Methodology	Gautam, R.	Link
ESL-IE-85-05-99	Process Integration: Designing for Energy, Capital and Operability	Linnhoff, B.	Link
ESL-IE-85-05-100	Minimizing Project Risk Through Financing Strategies	Michaelson, M.	Link
ESL-IE-85-05-102	Calculating the Financial Benefits of an Energy Efficiency Project: The Building Owner's and Investor's Perspectives	Watson, J. K.	Link
ESL-IE-85-05-103	Shortcuts to Financial Analysis	Larson, R. J.	Link
ESL-IE-85-05-104	Evaluation of Technology Risk in Projecting Cogeneration Project Returns	Thoenes, C. M.	Link
ESL-IE-85-05-105	A Utility-Affiliated Cogeneration Developer Perspective	Ferrar, T. A.	Link
ESL-IE-85-05-106	Negotiating a Favorable Cogeneration Contract with your Utility Company	Lark, D. H.; Flynn, J.	Link
ESL-IE-85-05-107	Utility View of Risk Assessment	Bickham, J.	Link
ESL-IE-85-05-108	Cogeneration Operational Issues	Williams, M.	Link
ESL-IE-85-05-109	Superposition, A Unique Cogeneration Opportunity	Viar, W. L.	Link
ESL-IE-85-05-110	Lowest Pressure Steam Saves More BTU's Than You Think	Vallery, S. J.	Link
ESL-IE-85-05-111	The Economics of Steam vs. Electric Pipe Heating	Schilling, R. E.	Link
ESL-IE-85-05-112	Economics of Steam Pressure Reduction	Sylva, D. M.	Link
ESL-IE-85-05-113	Industrial Heat Pumps - Types and Costs	Chappell, R. N.; Bliem, C.J.; Jr.; Mills, J. I.; Demuth, O. J.; Plaster, D. S.	Link
ESL-IE-85-05-114	Industrial Heat Pump Design Options	Gilbert, J. S.	Link

ESL-IE-85-05-115	Industrial Heat Pump Case Study	Wagner, J. R.; Brush, F. C.	Link
ESL-IE-85-05-116	Hybrid Heat Pump Design and Application	Wagner, J. R.; Koebbeman, W. F.	Link
ESL-IE-85-05-117	Present and Future Uses of Industrial Absorption Heat Pumps	Erickson, D. C.; Davidson, W. F.	Link
ESL-IE-85-05-118	Absorption Heat Pumping - Have You Tried It?	Davis, R. C.	Link
ESL-IE-85-05-119	Application and Operation of a 2-MW Organic Rankine Cycle System on a Refinery FCC Unit	Drake, R. L.	Link
ESL-IE-85-05-120	Heat Recovery Boilers for Process Applications	Ganapathy, V.; Rentz, J.; Flanagan, D.	Link
ESL-IE-85-05-121	Second Law Optimization of Heat Exchangers	Witte, L. C.	Link
ESL-IE-85-05-123	Energy Monitoring - The State of the Art	Rusnak, J. J.; Dragoo, W.; McEver, R.	Link
ESL-IE-85-05-124	A New Concept in Dryer Control	Robinson, J. W.	Link
ESL-IE-85-05-125	Design and Economic Evaluation of Thermionic Cogeneration in a Chlorine-Caustic Plant	Miskolezy, G.; Morgan, D.; Turner, R.	Link
ESL-IE-85-05-126	Automatic Control System of a Car-Bottom Reheating Furnace	Xueqiao, M.; Weilian, X.; Hongchen, Z.	Link
ESL-IE-85-05-127	Master Plan for Improving Energy Efficiency	Johnson, W. H.	Link
ESL-IE-85-05-128	Industrial Lighting Techniques and New Developments	Colotti, M. A.	Link
ESL-IE-85-05-129	Variable Flow Chilled Water Systems	Baldwin, D. A.	Link
ESL-IE-85-05-130	International Business Machines Corporation	Gumula, M. G.	Link
ESL-IE-85-05-131	The Developer's Role in the Cogeneration Business	Whiting, M.; Jr.	Link
ESL-IE-85-05-132	Cogeneration Economics for Process Plants	Ahner, D. J.	Link
ESL-IE-85-05-133	Heat Recovery Design Considerations for Cogeneration Systems	Pasquinnelli, D. M.; Burns, E. D. Jr.	Link
ESL-IE-85-05-134	The Dynamics of Cogeneration or "The Purpa Amoeba"	Polsky, M. P.	Link
ESL-IE-85-05-135	Combined Cycle Cogeneration at Nalco Chemical	Thunem, C. B.; Jacobs, K. W.; Hanzel, W.	Link
ESL-IE-85-05-136	Cooling Tower Energy Conservation Optimization	Burger, R.	Link
ESL-IE-85-05-137	Optimization of Cooling Water	Matson, J.	Link
ESL-IE-85-05-138	Fan Energy Savings Decisions	Monroe, R. C.	Link
ESL-IE-85-05-139	Reduction of Water Consumption	Adler, J.	Link
ESL-IE-85-05-140	Air Movers of the Eighties	Miller, G.	Link
ESL-TH-85-08-01	Intern Experience at Mel, Inc., <i>Doctor of Engineering, College of Engineering, Texas A&M University.</i>	Chen, C.	Link
ESL-TR-85-05-03	An Analysis of Efficiency Improvements in Residential Sized Heat Pumps, Final Report, May 1986, <i>Prepared for the Lawrence Berkeley Laboratory, University of California, Berkeley, CA.</i>	O'Neal, D. L.; Murphy, W. E.; Boecker, C. L.; Notman, J. R.	Link
ESL-TR-85-08-01	Cogeneration System Analysis Summary Reports for Austin State Hospital, Austin, Texas, <i>Department of Mechanical Engineering, Energy Systems Laboratory, Texas A&M University.</i>	Turner, W. D.; Murphy, W. E.; Hartman, R.; Heffington, W. M.; Bolander, J. N.; Propp, A. D.	Link
ESL-TR-85-08-02	Cogeneration System Analysis Summary Reports for Texas Woman's University, Denton, Texas, <i>Department of Mechanical Engineering, Energy Systems Laboratory, Texas A&M University.</i>	Turner, W. D.; Murphy, W. E.; Hartman, R.; Heffington, W. M.; Bolander, J. N.; Propp, A. D.	Link
ESL-HH-85-09-01	Cooling Energy and Cost Savings with Daylighting in a Hot and Humid Climate	Arasteh, D.; Johnson, R.; Selkowitz, S.; Connell, D.	Link
ESL-HH-85-09-02	An Empirical Study and Analysis of Daylight Penetration Through a Light Plenum	Hill, G. E.; Rowland, D.; Carlson, K.; Karpach, L.	Link
ESL-HH-85-09-03	Daylighting Analysis through Scale Model, Full Scale Measurements and Computer Analysis for a Texas A&M University Campus Building	Kim, K. S.; Boyer, L. L.; Degelman, L. O.	Link
ESL-HH-85-09-04	Continuous Controls: Lighting Energy Management for Retrofit and New Construction Projects	Schuetz, R.	Link
ESL-HH-85-09-05	Energy Conservation Experiences with HVAC Systems in the High Humidity Climate, A Case History	Todd, T. R.	Link
ESL-HH-85-09-06	Pitfalls in Building and HVAC Audits	Gidwani, B. N.	Link
ESL-HH-85-09-07	Appropriate Conservation Measures for Single-Family Buildings in Hot, Humid Climates	McLain, H. A.; MacDonald, J. M.; Goldenberg, D.	Link
ESL-HH-85-09-08	Trends in Building Energy Usage in Texas State Agencies, <i>Proceedings of the 2nd Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates, College Station, TX, August 24-26, 1985.</i>	Murphy, W. E.; Turner, W. D.; O'Neal, D. L.; Seshan, S.	Link
ESL-HH-85-09-09	The Design of Ground-Coupled Heat Pump Systems	Parker, J. D.	Link
ESL-HH-85-09-10	Earth-Coupled Water-Source Heat Pump Research, Design and Applications in Louisiana	Braud, H. J.; Klimkowski, H.; Baker, F. E.	Link
ESL-HH-85-09-11	Water and Space Heating Heat Pumps	Kessler, A. F.	Link
ESL-HH-85-09-12	The Earth-Coupled or Geothermal Heat Pump Air Conditioning System	Wagers, H. L.; Wagers, M. C.	Link
ESL-HH-85-09-13	Cooling Towers, The Neglected Energy Resource	Burger, R.	Link
ESL-HH-85-09-14	Evaporative Roof Cooling - A Simple Solution to Cut Cooling Costs	Abernethy, D.	Link
ESL-HH-85-09-15	How Intex Helped Superior Die Set Corporation Produce 35% Above Capacity, With Only 3% More Electricity	Zalewski, W. T.	Link
ESL-HH-85-09-16	Building Energy Efficient Schools	McClure, J. D.; Estes, J. M.	Link
ESL-HH-85-09-17	Load Management Made Simple	Schneider, K.	Link
ESL-HH-85-09-18	Cool Storage Performance	Eppelheimer, D. M.	Link
ESL-HH-85-09-19	A Study of the Pre-Programmed Thermostat Timer as a Load Control Device	Wallace, M. L.; Thedford, M.	Link
ESL-HH-85-09-20	Hot Thermal Storage/Selective Energy System Reduces Electric Demand for Space Cooling As Well As Heating in Commercial Application	Meckler, G.	Link
ESL-HH-85-09-21	Central Energy Systems - Applications to Economic Development	Myers, M. S.; Diserens, S. E.	Link
ESL-HH-85-09-22	An Assessment of Economic Analysis Methods for Cogeneration Systems, <i>Proceedings of the 2nd Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates, College Station, TX, August 24-26, 1985.</i>	Bolander, J. N.; Murphy, W. E.; Turner, W. D.	Link
ESL-HH-85-09-23	Optimal Life Cycle Cost Design for an Energy Efficient Manufacturing Facility	Thompson, C. T.; Beach, W. P.	Link
ESL-HH-85-09-24	Bryan Rubber Plant - International Shoe Company, Inc.	Ponder, W. M.	Link

ESL-HH-85-09-25	Design Tools for Evaluating Alternative Strategies' Impact on Human Comfort	Holder, L. M. III; Hart, M. N.	Link
ESL-HH-85-09-26	Case Study: Passive Solar Concepts Adapted to In-Fill Housing in a Hot, Humid Climate Zone	McQueen, T. M.; White, J. T.	Link
ESL-HH-85-09-27	The Potential for Wind Induced Ventilation to Meet Occupant Comfort Conditions	Byrne, S. J.; Huang, Y. J.; Ritschard, R. L.; Foley, D. M.	Link
ESL-HH-85-09-28	Energy Savings in Buildings Using Air Movement and Allowing Floating Temperatures in Rooms	Spain, S.	Link
ESL-HH-85-09-29	Computer Room Fresh Air Cooling	Wenger, J. D.	Link
ESL-HH-85-09-30	Cooling Strategies Based on Indicators of Thermal Storage in Commercial Building Mass	Eto, J. H.	Link
ESL-HH-85-09-31	Rain on the Roof-Evaporative Spray Roof Cooling	Bachman, L. R.	Link
ESL-HH-85-09-32	Theory vs. Practice in Direct Evaporative Roof Spray Cooling	Smith, J. L.; Smith, J. C.	Link
ESL-HH-85-09-33	Influence of Infrared Radiation on Attic Heat Transfer	Katipamula, S.; Turner, W. D.; Murphy, W. E.; O'Neal, D. L.	Link
ESL-HH-85-09-34	Energy Monitoring - Objectives vs Results	McEver, R. M.	Link
ESL-HH-85-09-35	Field Measurements of Cooling Energy Consumption in a Multi-Zone Office Building	Heidell, J. A.	Link
ESL-HH-85-09-36	The Energy Tracker	Ranzau, P. A.	Link
ESL-HH-85-09-37	A Comparison of Domestic Water Heating Options in the Austin Electric Service Area	Vliet, G. C.; Hood, D. B.	Link
ESL-HH-85-09-38	Austin's Adoption of ASHRAE S.P. #41 into the Local Energy Code	Hart, M. N.; Holder, L.M.	Link
ESL-HH-85-09-39	Effective Load Management for the City of College Station	Hecox, O. D.; Bauer, V.	Link
ESL-HH-85-09-40	The Florida Energy Efficiency Building Code, the Second Generation	Dixon, R. W.	Link
ESL-HH-85-09-41	Rebates: The Energy Efficiency Measure that Can Make a Major Difference	Haun, C. R.	Link
ESL-HH-85-09-42	Encouraging the Construction of Energy Efficient Homes - A Utility Perspective	Kimmons, G. H.	Link
ESL-HH-85-09-43	Avoided Gigawatts Through Utility Capital Recovery Fees	Frosenfeld, A. N.; Verdict, M. E.	Link
ESL-HH-85-09-44	Operating Experience and Economic Assessment of Commercial and Industrial Cool Storage Systems - TVA Case Study	Sieber, R. E.; Dahmus, A. B.	Link
ESL-HH-85-09-45	Electrical Energy Conservation and Peak Demand Reduction Potential for Buildings in Texas: Preliminary Results	Hunn, B. D.; Baughman, M. L.; Silver, S. C.; Rosenfeld, A. H.; Akbari, H.	Link
ESL-HH-85-09-46	Residential Energy Audits	Brown, W.	Link
ESL-HH-85-09-47	Cost Containment Through Energy Efficiency in Texas State-Owned Buildings	Ponder, W. M.; Verdict, M. E.	Link
ESL-HH-85-09-48	Making It Happen: Achieving Energy Efficiency in Multi-Family Buildings Housing Low-Income Tenants	Haun, C. R.	Link
ESL-PA-85-12-01	Retrofit Energy Studies of a Recreation Center, <i>ASHRAE Transaction</i> , 1985, Vol. 91, Pt. 2, pp. 572-583.	Haberl, J.; Claridge, D. E.	Link
ESL-TH-85-12-01	Study of Heat Transfer in Attics with a Small Scale Simulator, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Katipamula, S.	Link
ESL-TR-86-03-01	Energy Systems Group Annual Report, <i>Department of Mechanical Engineering, Energy Systems Laboratory, Texas A&M University.</i>	Anand, N. K.; Caton, J.; Heffington, W. M.; O'Neal, D. L.; Somasundaram, S.; Turner, W. D.	Link
ESL-TR-86-04-01	Energy Analysis and Energy Conservation Options for the Supreme Court and Attorney General Buildings, Final Report, <i>Prepared for the Energy Efficiency Division, Texas Public Utility Commission by The Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Farzad, M.; O'Neal, D. L.	Link
ESL-TR-86-05-01	An Analysis of Efficiency Improvements in Residential Sized Heat Pumps, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	O'Neal, D. L.; Boecker, C. L.; Murphy, W. E.; Notman, J. R.	Link
ESL-PA-86-06-01	Demonstrating HVAC System Performance Through System Simulation, <i>ASHRAE Transactions 1986</i> , Vol. 92, Pt. 2.	O'Neal, D. L.; Kondepudi, S. N.	Link
ESL-PA-86-06-02	Experimental Study of Heat Transfer in Attics with a Small-Scale Simulator, <i>ASHRAE Transactions 1986</i> , No. 3020, pp. 122 – 134.	Katipamula, S.; O'Neal, D. L.; Turner, W. D.; Murphy, W. E.	Link
ESL-TR-86-06-03	Energy Analysis and Energy Conservation Options for the Addition to Records Storage Building, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Farzad, M.; O'Neal, D. L.	Link
ESL-IE-86-06-01	Marketing Reordering of the Electric Utility Industry	Anderson, J. A.	Link
ESL-IE-86-06-02	Rethinking the Future	Steffy, R. C. Jr	Link
ESL-IE-86-06-03	Monitoring and Management of Refinery Energy Consumption	Pelham, R. O.; Moriarty, R. D.; Hudgens, P. D.	Link
ESL-IE-86-06-04	Energy Monitoring--Objectives Vs. Results	McEver, R.	Link
ESL-IE-86-06-05	The Role of the UK Energy Efficiency Office	Finer, E. G.	Link
ESL-IE-86-06-06	Why Energy Projects Do Not Get Approved	Gilbert, J.	Link
ESL-IE-86-06-07	Research for Advanced Heat Exchangers--The U. S. DOE Program	Richlen, S.	Link
ESL-IE-86-06-08	Fluid Bed Waste Heat Boiler Operating Experience in Dirty Gas Streams	Kreeger, A.	Link
ESL-IE-86-06-09	Fluidized-Bed Waste-Heat Recovery Steam Advances	Patch, K.; Cole, W.	Link
ESL-IE-86-06-10	Degradation of Materials in Combustion Environments	Federer, J.; Robbins, J.; William Parks, W.; Reid, J.	Link
ESL-IE-86-06-11	The Development and Field Testing of a High Temperature Ceramic Recuperator	Childs, F.; Sohal, M.	Link
ESL-IE-86-06-12	One IBM Plant's Approach to Automated Control System Standards	Cilia, J.	Link
ESL-IE-86-06-13	Human Factors Aspects of Advanced Process Control	Shaw, J.	Link
ESL-IE-86-06-14	An Effective EMS Hardware and Software Interface--The Trained Operator	Cherry, C.	Link
ESL-IE-86-06-15	Facility Automation: Products--Systems--Applications--Trends	Bynum, H.	Link
ESL-IE-86-06-16	Microcomputers in Process Control	Vinson, D.; Chatterjee, N.	Link
ESL-IE-86-06-17	Power Recovery	Murray, F.	Link
ESL-IE-86-06-18	The Thermodynamics of Energy Conservation	Witte, L.	Link
ESL-IE-86-06-19	Steam Pricing	Jones, K.	Link
ESL-IE-86-06-20	Innovative Utility Pricing for Industry	Ross, J.	Link
ESL-IE-86-06-21	Cost of Service and Rate Design Issues Affecting Industrial Customers in Retail Rate Proceedings	Stover, C.	Link
ESL-IE-86-06-22	The Pricing of Electricity to Aluminum Smelters in the Northwest	Foley, T.	Link
ESL-IE-86-06-23	Negotiating Rates and Contracts for Qualifying Facilities	Collier, S.	Link
ESL-IE-86-06-24	Building Profits and Goodwill in the Wood Products Industry With Time-of-Use Rates	Boyd, W.	Link
ESL-IE-86-06-25	Intermediate Vapor Expansion Distillation and Nested Enrichment Cascade Distillation	Erickson, D.	Link
ESL-IE-86-06-26	Energy Reductions Due to Cosolvent Addition to Near Critical Carbon Dioxide Extraction of Organic Chemicals from Water	Kingsley, G.; Moses, J.	Link
ESL-IE-86-06-27	Adsorptive Drying of Organic Liquids--An Update	Joshi, S.; Humphrey, J.; Fair, J.	Link

ESL-IE-86-06-28	Evaluation of Packed Columns in Supercritical Extraction Processes	Rathkamp, P.; Fair, J.; Humphrey, J.	Link
ESL-IE-86-06-29	The Scale Up of Structured Packing from Distillation Pilot Plant Testing to Commercial Application	Berven, O.; Ulowitz, M.	Link
ESL-IE-86-06-30	A Comparative Economic Evaluation of Industrial Heat Pumps	Mills, J.; Bliem, C.; Chappell, R.	Link
ESL-IE-86-06-31	Industrial and Commercial Heat Pump Applications in the United States	Niess, R.	Link
ESL-IE-86-06-32	Industrial Heat Pumps: Appropriate Placement and Sizing Using The Grand Composite	Ranade, S.; Hindmarsh, E.; Boland, D.	Link
ESL-IE-86-06-33	Mechanical Compression Heat Pumps	Apaloo, T.; Kawamura, K.; Matsuda, J.	Link
ESL-IE-86-06-34	Economic and Technical Tradeoffs Between Open and Closed Cycle Vapor Compression Evaporators	Timm, M.	Link
ESL-IE-86-06-35	Microcomputer Analysis of Pumping System Performance	Bierschenk, J.; Schmidt, P.	Link
ESL-IE-86-06-36	High Speed Pumps Are No Longer Limited to Low Flow Applications	Burke, P.	Link
ESL-IE-86-06-37	Regenerative Boiler Feedwater Heater Economics	Viar, W.	Link
ESL-IE-86-06-38	A Wood-Fired Gas Turbine Plant	Powel, S.; Hamrick, J.	Link
ESL-IE-86-06-39	Novel Power Cycle for Combined-Cycle Systems and Utility Power Plants	Kalina, A.	Link
ESL-IE-86-06-40	Corporate Energy Management--Book II Or What To Do For An Encore	Spencer, R.	Link
ESL-IE-86-06-41	Saving Energy at Ford	McReynolds, C.	Link
ESL-IE-86-06-42	An Energy Conservation Program in the Food Industry	Farner, C.	Link
ESL-IE-86-06-43	Managing the Transition State for Energy Strategic Planning	Koehler, T.	Link
ESL-IE-86-06-44	Overview and Burning Technology Opportunities	Waller, J.	Link
ESL-IE-86-06-45	New Developments in Storage and Handling of Biomass	Bundalli, N.	Link
ESL-IE-86-06-46	Harvesting Residuals--Economic Energy Link	Owens, E.; Curtis, D.	Link
ESL-IE-86-06-47	Overcoming Barriers to Solar Use	Halme, D.; Sicotte, J.	Link
ESL-IE-86-06-48	The Strong Case for Thermal Energy Storage and Utility Incentives	McCannon, L.	Link
ESL-IE-86-06-49	Thermal Storage Applications for Commercial/Industrial Facilities	Knipp, R.; Blessings, T.	Link
ESL-IE-86-06-50	The Corporate Headquarters for Alabama Power Company--How One Utility is Promoting Cool Storage in a Big Way	Reardon, J.; Penuel, K.	Link
ESL-IE-86-06-51	Thermal Storage Options for HVAC Systems	Gidwani, B.; Weston R. F.	Link
ESL-IE-86-06-52	The Utility Relationship To Its Key Industries	Gilbert, J.	Link
ESL-IE-86-06-53	Risk Management Strategies for Electric Utilities	Sheets, E.	Link
ESL-IE-86-06-54	Industrial-Load-Shaping: The Practice of and Prospects for Utility/Industry Corporation to Manage Peak Electricity Demand	Bules, R.; Rubin, D.; Maniates, M.	Link
ESL-IE-86-06-55	Utility Conservation Programs: A Regulatory and Design Framework	Norland, D.; Wolf, J.	Link
ESL-IE-86-06-56	Heat of Reaction Chemical Heat Pumps--Possible Configurations	Kirol, L.	Link
ESL-IE-86-06-57	500° F Adsorption Heat Pump Under Development	Davidson, W.; Erickson, D.	Link
ESL-IE-86-06-58	Industrial Heat Pumps Using Solid/Vapor Working Fluids	Rockenfeller, U.	Link
ESL-IE-86-06-59	Heat Pump Cycle With Solution Circuit and Internal Heat Exchange	Radermacher, R.	Link
ESL-IE-86-06-60	HIGEE Mass Transfer	Mohr, R.; Fowler, R.	Link
ESL-IE-86-06-61	Bioprocesses--An Assessment of Current Technologies and Future Applications	Kitto, G.; Humphrey, J.	Link
ESL-IE-86-06-62	Utilization of Structured Packings for Energy Savings in Distillation and Absorption Columns	Berven, O.; Howard, W.	Link
ESL-IE-86-06-63	Parastillation Process in Operations	Canfield, F.; Jenkins, O.	Link
ESL-IE-86-06-64	New Technology and Energy Alternatives	Lamphere, F.	Link
ESL-IE-86-06-65	New Light Sources for Tomorrow's Lighting Designs	Krailo, D.	Link
ESL-IE-86-06-66	Harrison Radiator Division's Energy Management Reporting and Accounting System	Goubeaux, R.	Link
ESL-IE-86-06-67	Is There a Conflict Between Efficiency and Health?	Wulfinhoff, D.	Link
ESL-IE-86-06-68	Recovering Energy From Ventilation and Process Airstreams	Cheney, W.	Link
ESL-IE-86-06-69	Waste Heat Recovery from Stacks Using Direct-Contact Condensing Heat Exchange	Thorn, W.	Link
ESL-IE-86-06-70	Low Temperature Heat Recovery For Boiler Systems	Shook, J.; Luttenberger, D.	Link
ESL-IE-86-06-72	Diverse Applications of Pinch Technology Within The Process Industries	Spriggs, H.; Ashton, G.	Link
ESL-IE-86-06-73	Pinch Technology--Theory Into Practice	Boland, d.; Saboo, A.; Hindmarsh, E.; Craw, I.	Link
ESL-IE-86-06-74	Process Integration of Industrial Heat Pumps	Chappell, R.; Priebe, S.	Link
ESL-IE-86-06-75	Heat Integrate Heat Engines in Process Plants	Hindmarsh, E.; Boland, D.; Townsend, D.	Link
ESL-IE-86-06-77	Innovative New Industrial Technologies: An Industry/DOE Joint Endeavor	Gross, T.	Link
ESL-IE-86-06-78	Moltex Chemical Air Separation System--A Progress Report	Brown, W.; Dunbobbin, B.; Erickson, D.; Massey, R.	Link
ESL-IE-86-06-79	Potential Energy Savings by Using Alternative Technologies for the Separation of Fluid Mixtures	Bravo, J.	Link
ESL-IE-86-06-80	Design and Development of a Plastic Film Heat Exchanger	Guyer, E.; Brownell, D.; Gollin, M.	Link
ESL-IE-86-06-81	The Role of Oxygen in Coal Gasification	Klosek, J.; Smith, A.; Solomon, J.	Link
ESL-IE-86-06-82	1986 Cogeneration Market Assessment	Wallace, D.	Link
ESL-IE-86-06-84	Design For, and Evaluation of Life Cycle Performance	Ahner, D.; Hall, E.	Link
ESL-IE-86-06-85	The Role of Feasibility Analysis in Successful Cogeneration	Wulfinhoff, D.	Link
ESL-IE-86-06-86	Utility and Regulatory Factors Affecting Cogeneration and Independent Power Plant Design and Operation	Felak, R.	Link
ESL-IE-86-06-87	Demand-Side Planning in Texas--Past, Present, and Future	Biedrzycki, C.	Link
ESL-IE-86-06-88	Supply-Side Planning in Texas--Past, Present, and Future	Hughes Jr.; H.	Link
ESL-IE-86-06-89	Electric Utility Demand-Side Evaluation Methodologies	Treadway, N.	Link
ESL-IE-86-06-90	The Influence of Regulation on the Decision to Cogenerate	King II, J.	Link
ESL-IE-86-06-91	Evaporative Roof Cooling--A Simple Solution to Cut Cooling Costs	Abernethy, D.	Link
ESL-IE-86-06-92	Quality-In-Plant Environment	Petzold, M.	Link
ESL-IE-86-06-93	Motivational Aspect of Southwest Texas State University's Energy Conservation Program	Maier, O.	Link
ESL-IE-86-06-94	Filter Press Building	Bush, W.	Link
ESL-IE-86-06-95	A Compressed Air Reduction Program	Hawks, K.	Link
ESL-IE-86-06-96	Optimization of Heat Exchanger Cleaning	Siegell, J.	Link
ESL-IE-86-06-97	Pipe Insulation Economies	Schilling, R.	Link
ESL-IE-86-06-98	12 Steps to Successful Energy Project Management	Smith, W.	Link
ESL-IE-86-06-99	Accurate 100:1 Rangeability Linear Response Head Meter	Grant, G.	Link
ESL-IE-86-06-100	Fuel Cells as an Emerging Technology	Jewel, D.	Link
ESL-IE-86-06-101	The Onsite Fuel Cell Cogeneration System	Woods, Jr.; R.; Cuttica, J.; Trimble, K.	Link
ESL-IE-86-06-102	Potentials for Fuel Cells in Refineries and Chlor-Alkali Plants	Altseimer, J.; Roach, F.	Link

ESL-IE-86-06-103	Planning a Commercial Fuel Cell Installation	Bowden, J.; May, G.	Link
ESL-IE-86-06-104	Encouraging Industrial Demonstrations of Fuel Cell Applications	Anderson, J.	Link
ESL-IE-86-06-105	Technology Makes Solid State Multi-Gas Stack Emission Monitoring Possible	Nelson, R.	Link
ESL-IE-86-06-106	Calculating Fired Heater Efficiency	Harriz, J.; Ritter, J.	Link
ESL-IE-86-06-107	Maintaining Low Oxygen (O ₂) in Coal Fueled Utility Boilers Using CO Instrumentation	Hopkins, D.; Downing, T.	Link
ESL-IE-86-06-108	Heat Recovery Considerations for Process Heaters and Boilers	Kumar, A.	Link
ESL-IE-86-06-109	Cogeneration at Iowa Methodist Medical Center	Thunem, C.; Schebler, S.; Love, G.	Link
ESL-IE-86-06-110	Industrial Cogeneration Application	Mozzo, Jr.; M.	Link
ESL-IE-86-06-111	Cogeneration Waste Heat Recovery at a Coke Calcining Facility	Coles, R.	Link
ESL-IE-86-06-112	The Effect of Variable Quality Fuels on Cogeneration Plant Performance	Ahner, D.; Oliva, J.	Link
ESL-IE-86-06-113	Design of a 465 MW Combined Cycle Cogeneration Plant	Leffler, D.	Link
ESL-IE-86-06-114	Performance Evaluation of a Retrofit Industrial Heat Pump	Wagner, J.	Link
ESL-IE-86-06-115	Heat Recovery in Distillation by Mechanical Vapor Recompression	Becker, F.; Zaka, A.	Link
ESL-IE-86-06-116	Screw Type Steam Compressors for Mechanical Vapor Recompression (MVR) Systems	Apaloo, T.; Kawamura, K.; Matsud, J.	Link
ESL-IE-86-06-117	The Air or Brayton Cycle Solvent Recovery System	Fox, B.	Link
ESL-IE-86-06-118	Improving the Thermal Output Availability of Reciprocating Engine Cogeneration Systems by Mechanical Vapor Compression	Becker, F.; DiBella, F.; Lamphere, F.	Link
ESL-IE-86-06-119	Utility Conservation Programs: Opportunities and Strategies	Norland, D.; Wolf, J.	Link
ESL-IE-86-06-120	The Energy Tracker	Ranzau, P.	Link
ESL-IE-86-06-121	Providing Utilities with Tools for Industrial Marketing Programs	Cahill, L.	Link
ESL-IE-86-06-122	Application of Time of Use Rates by an Air Separation Company	Marlovits, E.	Link
ESL-IE-86-06-123	Evaluating Industrial Conservation Programs: An Interdisciplinary Approach	Einhorn, M.	Link
ESL-IE-86-06-124	Steam Turbines for Critical Applications and Emergency or Standby Drives	Waterland, A.	Link
ESL-IE-86-06-125	Reliability Improvement Programs in Steam Distribution and Power Generation Systems	Atlas, R.	Link
ESL-IE-86-06-126	Evaluating Steam Trap Performance	Fuller, N.	Link
ESL-IE-86-06-127	Exploding the Myths	Dickman, F.	Link
ESL-IE-86-06-128	Controlled Humidification: It Can Save Energy	Daugherty, C.	Link
ESL-IE-86-06-129	Update on Energy Saving Opportunities in Industrial Electrical Power Systems	Frasure, J.; Fredericks, C.	Link
ESL-IE-86-06-130	Variable Frequency Pump Drives	McGuire, J.; Karassik, I.; Petracarro, L.	Link
ESL-IE-86-06-131	Our Favorite Electrical Energy Saving Opportunities	Turner, W.; Estes, C.; Spivey, V.	Link
ESL-IE-86-06-132	Optimizing Power Factor Correction	Phillips, R.; Burneister, L.	Link
ESL-TH-86-07-01	An Expert System for the Analysis of Building Energy Consumption, Doctoral Dissertation, Department of Civil, Environmental and Architectural Engineering, University of Colorado.	Haberl, J.	Link
ESL-PA-86-08-02	A Statistical Building Energy Usage Prediction Methodology, <i>Proceedings of the 1986 ACEEE Summer Study on Energy Efficiency in Buildings: Panel on Performance Measurement and Analysis</i> , Vol. 9, pp. 9.128 – 9.131.	Haberl, J.; Claridge, D. E.	Link
ESL-TR-86-08-01	An Analysis of Efficiency Improvements in Residential Sized Heat Pumps and Central Air Conditioners, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	O'Neal, D. L.; Boecker, C. L.; Penson, S.	Link
ESL-TR-86-09-03	Energy Analysis and Energy Conservation Option for the Warehouse Facility at the Human Services Center Complex, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Farzad, M.; O'Neal, D. L.	Link
ESL-TR-86-10-01	An Energy and Peak Loads Analysis of the Texas Department of Health Building, Final Report, <i>Prepared for the Energy Efficiency Division, Texas Public Utility Commission by The Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Katipamula, S.; O'Neal, D. L.	Link
ESL-PA-86-11-01	An Evaluation of the Placement of Radiant Barriers on their Effectiveness in Reducing Heat Transfer in Attics, <i>Proceedings of the 3rd Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , Arlington, TX, November 18-19, 1986.	O'Neal, D.; Garibay, Y.	Link
ESL-PA-86-11-02	A Computer Analysis of Energy Use and Energy Conservation Options for a Twelve Story Office Building In Austin, TX	Katipamula, S.; O'Neal, D. L.; Farrad, M.	Link
ESL-HH-86-11-01	Home Energy Appraisal Form of the Texas Association of Builders	Moore, J.	Link
ESL-HH-86-11-02	A Field Comparison of Performance Based Energy Efficient and Conventionally Constructed Homes in South Texas	Schertz, S.; Stracener, J.	Link
ESL-HH-86-11-03	City of College Station's Thermographic Mobile Scan	Shear, C. K.	Link
ESL-HH-86-11-04	Estimation of the Energy and Capacity Savings in Texas from Appliance Efficiency Standards	Verdict, M.	Link
ESL-HH-86-11-05	Measures and Investment Options for Community Energy Conservation	Myers, M. S.; Korinchock, D.	Link
ESL-HH-86-11-06	Thermal Storage with Ice Harvesting Systems	Knebel, D. E.	Link
ESL-HH-86-11-07	Integrated Ice Storage/Sprinkler HVAC System Sharply Cuts Energy Costs and Air-Distribution First Costs	Meckler, G.	Link
ESL-HH-86-11-08	Cooling Tower Considerations for Energy Optimizations	Burger, R.	Link
ESL-HH-86-11-09	A Review of Thermal Acoustical and Special Project Requirements Data in Designing a Duct System	Lebens, A. F.	Link
ESL-HH-86-11-10	Performance Testing of Radiant Barriers	Hall, J. A.	Link
ESL-HH-86-11-11	An Evaluation of the Placement of Radiant Barriers on their Effectiveness in Reducing Heat Transfer in Attics, <i>Proceedings of the 3rd Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , Arlington, TX, November 18-19, 1986.	Katipamula, S.; O'Neal, D. L.	Link
ESL-HH-86-11-12	Cooling Energy Measurements of Houses with Attics Containing Radiant Barriers	Levins, W. P.; Karnitz, M. A.; Knight, D. K.	Link
ESL-HH-86-11-13	Membranes Improve Insulation Efficiency	Bullock, C. A.	Link
ESL-HH-86-11-14	Maintenance and Operations of Schools for Energy Efficiency	McClure, J. D.; Estes, J. M.	Link
ESL-HH-86-11-15	Building Energy Use and Conservation in Cycle VIII of the Texas Institutional Conservation Program, <i>Proceedings of the 3rd Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , Arlington, TX, November 18-19, 1986.	Schreengost, R. C.; Lum, S. K.; Notman, J. R.; Sattler, D. R.; Heffington, W. M.	Link
ESL-HH-86-11-16	Absorption Cooling Optimizes Thermal Design for Cogeneration	Hufford, P. E.	Link
ESL-HH-86-11-17	Optimal Sequencing of Central Refrigeration Equipment in an Industrial Plant	Fiorino, D. P.; Priest, J. W.	Link
ESL-HH-86-11-18	Desiccant Cooling Systems - A Review	Kettleborough, C. F.; Ullah, M. R.; Waugaman, D. G.	Link
ESL-HH-86-11-19	Experimental Results on Advanced Rotary Desiccant Dehumidifiers	Barathan, D.; Parsons, J. M.; McClaine-Cross, I.	Link
ESL-HH-86-11-20	Operation Synopsis of Gas-Fired Double-Effect Absorption Chillers	Phillips, J.	Link
ESL-HH-86-11-21	Ground Loops for Heat Pumps and Refrigeration	Braud, H. J.	Link
ESL-HH-86-11-22	Performance of Horizontal Field Earth-Coupled Heat Pumps	Abbott, C. A.	Link
ESL-HH-86-11-23	Start-Up of Air Conditioning Systems After Periods of Shutdown (Humidity Considerations)	Todd, T. R.	Link

ESL-HH-86-11-24	Evaluation of a Local Air Conditioning Duty Cycling Device as a Load Management Tool	Schneider, K.; Thedford, M.	Link
ESL-HH-86-11-25	Prototype Passive Solar Buildings in Louisiana - A Hot-Humid Climate	Shih, J. C.	Link
ESL-HH-86-11-26	Measurements and Comparisons of Sunlighted and North-Lighted Atriums on Two Office Buildings in Dallas, Texas	Molinelli, J. F.; Kim, K.	Link
ESL-HH-86-11-27	Microcomputer Energy Analysis Studies of Selected Building Types in a Hot, Humid Climatic Zone	McQueen, T. M.; Leaver, J. F.	Link
ESL-HH-86-11-28	A Computer Analysis of Energy Use and Energy Conservation Options for a Twelve Story Office Building in Austin, Texas, <i>Proceedings of the 3rd Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Clim</i>	Katipamula, S.; O'Neal, D. L.; Farzad, M.	Link
ESL-TR-87-03-01	An Energy and Peak Loads Analysis of the TYC/TRC Building – Final Report, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Katipamula, S.; O'Neal, D. L.	Link
ESL-PA-87-04-01	Performance of Triangular Spine Fins Under Frosting Conditions, <i>Journal of Heat Recovery Systems and CHP</i> , Volume 7, No. 4, 1987.	Kondepudi, S.; O'Neal, D. L.	Link
ESL-TH-87-05-01	Design Optimization of Residential-Sized Air-Source Heat Pumps, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Boecker, C. L.	Link
ESL-TH-87-05-02	Prediction of Fluid Flow in Curved Pipe Using the Finite Element Method, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Maiten, C.	Link
ESL-TR-87-06-01	An Evaluation of Steady-State Dehumidification Characteristics of Residential Central Air Conditioners, Final Report, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	O'Neal, D. L.; Chan, N.; Somasundaram, S.; Katipamula, S.	Link
ESL-PA-87-07-01	An Expert System for Building Energy Consumption Analysis: Prototype Results, <i>ASHRAE Transactions</i> , 1987, Vol. 93, Pt. 1, pp. 979 – 998.	Haberl, J.; Claridge, D. E.	Link
ESL-PA-87-07-02	A Validation Study of Variable-Base Degree-Day Heating Calculations, <i>ASHRAE Transactions</i> , 1987, Vol. 93, Pt. 2, pp. 57 – 89.	Claridge, D. E.; Bida, M.; Krarti, M.; Jeon, H. S.; Hamzawi, E.; Zwack, W.; Weiss, I.	Link
ESL-TR-87-07-03	Determination of the Transient Dehumidification Characteristics of High Efficiency Central Air Conditioners, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Katipamula, S.; O'Neal, D. L.; Somasundaram, S.	Link
ESL-TR-87-07-04	A Simplified Self-Help Approach to Sizing of Small-Scale Cogeneration Systems, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Somasundaram, S.; Turner, W. D.	Link
ESL-HH-87-09-01	Natural Daylighting - An Energy Analysis	Jarrell, R. P.	Link
ESL-HH-87-09-02	Measurements and Comparisons of Lightshelf Performance in Two Texas Office Buildings	Molinelli, J. F.; Boyer, L. L.	Link
ESL-HH-87-09-03	Daylight Analysis with Microcomputers for School Buildings in a Hot, Humid Climate	Leaver, J.; McQueen, T.	Link
ESL-HH-87-09-04	Energy Assessment Process for Generic Multistory Atrium Types	Degelman, L. O.; Boyer, L. L.	Link
ESL-HH-87-09-05	Thermal Characteristics and Systems of Residential Construction in College Station, Texas: 1981-1986, <i>Proceedings of the 4th Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , Houston, TX September 15-16, 1987.	Claridge, D. E.; Neidinger, P.; Schrock, D.	Link
ESL-HH-87-09-06	A Texas Study of the Effects of the National Appliance Energy Conservation Act of 1987	Bachmeier, R.	Link
ESL-HH-87-09-07	A State Regulatory Perspective; New Building, Old Motors, and Marginal Electricity Generation	Treadway, N.	Link
ESL-HH-87-09-08	Strategic Energy Management Plan for the 1990's	Fiorino, D. P.; Priest, J. W.	Link
ESL-HH-87-09-09	Residential Humidity Control: Exciting New Opportunities with Air Flow Modulation	Crawford, J. G.	Link
ESL-HH-87-09-10	Innovative HVAC Cycles for Severe Part Load Conditions in the Humid Climate	Pate, M. E.; Todd, T. R.	Link
ESL-HH-87-09-11	Direct-Expansion Air-Conditioning System Performance in Low Humidity Applications: A Case Study	Khattar, M. K.; Keebaugh, D.	Link
ESL-HH-87-09-12	Applications Tests of Commercial Heat Pump Water Heaters	Oshinski, J. N.; Abrams, D. W.	Link
ESL-HH-87-09-13	Evaluation of a Direct Evaporative Roof-Spray Cooling System	Carrasco, A.; Pittard, R.; Kondepudi, S. N.; Somasundaram, S.	Link
ESL-HH-87-09-14	Influence of Air Conditioner Operation on Electricity Use and Peak Demand	McGarity, A. E.; Feuermann, D.; Kempton, W.; Norford, L. K.	Link
ESL-HH-87-09-15	Energy Savings Resulting from Shading Devices on Single-Family Residences in Austin, Texas	Pletzer, R. K.; Jones, J. W.; Hunn, B. D.	Link
ESL-HH-87-09-16	Gas -Fueled Engine-Driven Air Conditioning Systems for Commercial Buildings	Lindsay, B. B.	Link
ESL-HH-87-09-17	The Integration of Cogeneration and Space Cooling	Phillips, J.	Link
ESL-HH-87-09-18	Energymaster Desiccant System Application to Light Commercial Buildings	Blanpied, M. C.; Coellner, J. A.; Macintosh, D. S.	Link
ESL-HH-87-09-19	Audit Costs for the 1986 Texas Energy Cost Containment Program, <i>Proceedings of the 4th Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , Houston, TX September 15-16, 1987.	Heffington, W. M.; Lum, S. K.; Bauer, V. A.; Turner, W. D.	Link
ESL-HH-87-09-20	Energy Cost Reduction Measures Identified for Texas State Agencies	Grigg, T.J.; Verdict, M. E.	Link
ESL-HH-87-09-21	Energy Audits of Local Government Buildings (Louisiana DNR)	Bruce, A. C.; Lowther, J. D.; Tarver, E.	Link
ESL-HH-87-09-22	Management Skills and Attitudes of Principals Toward Energy Utilization	Huntington, P.; Mayfield, E.	Link
ESL-HH-87-09-23	An Overview of the Building Energy Retrofit Research Program	Mixon, W. R.	Link
ESL-HH-87-09-24	Guidelines for Retrofit Performance Monitoring	Ternes, M. P.	Link
ESL-HH-87-09-25	Air Conditioner User Behavior in a Master-Metered Apartment Building	Kempton, W.; Feuermann, D.; McGarity, A. E.	Link
ESL-HH-87-09-26	Preliminary Study of a Vented Attic Radiant Barrier System in Hot, Humid Climates Using Side-by-Side, Full-Scale Test Houses	Lear, W. E.; Barrup, T. E.; Davis, K. E.	Link
ESL-HH-87-09-27	Application of Thermal Storage, Peak Shaving and Cogeneration for Hospitals	McClure, J. D.; Estes, J. M.; Estes, M. C.	Link
ESL-HH-87-09-28	Commercial Building HVAC Energy Usage in Semi-Tropical Climates	Worbs, H. E.	Link
ESL-HH-87-09-29	The Application and Energy Savings Potential of Occupancy Counters/Transmitters in Office Buildings	Medlin, J. W.	Link
ESL-HH-87-09-30	The Spacing of Ceiling Fans for Human Comfort in Warm Temperature Conditions	Spain, S.	Link
ESL-IE-87-09-01	Energy Efficiency Revitalization	Kelly, R.	Link
ESL-IE-87-09-02	Lower Cost Energy Options	Maze, M.	Link
ESL-IE-87-09-03	Getting Excited Again Over Energy	Gilbert, J.	Link
ESL-IE-87-09-04	Energy Management Without a Staff	Dornbos, Sr.; D.	Link
ESL-IE-87-09-05	Heat and Power Systems Design	Shah, J.; Spriggs, H.	Link
ESL-IE-87-09-06	Design of Industrial Process Refrigeration Systems	Witherell, H.	Link
ESL-IE-87-09-07	Heat Exchanger Network Targeting, Design and Analysis: The MIDAS Package	Barton, I.; Smith, G.; Jones, D.	Link

ESL-IE-87-09-08	Aromatics Extraction Plant Design Using Synthesis Techniques	Wilcox, R.; Nedwick, R.	Link
ESL-IE-87-09-09	An Approach to Plantwide Optimization	Nath, R.; Worsham, B.; Libby, D.	Link
ESL-IE-87-09-10	Electric Utility Strategic Planning at the PUCT: An Overview	Zarnikau, J.	Link
ESL-IE-87-09-11	Industrial Energy Conservation: Are Market Pressures Sufficient or are Programs Needed?	Crandall, G.	Link
ESL-IE-87-09-12	Commercial and Industrial Conservation and Load Management Programs at New England Electric	Gibson, P.	Link
ESL-IE-87-09-13	Industrial Load Shaping: A Utility Strategy to Deal with Competition	Bules D.	Link
ESL-IE-87-09-14	The Economics of Antifoulant Application	Siegell, J.	Link
ESL-IE-87-09-15	Recovering Flare Gas Energy-A Different Approach	Brenner, W.	Link
ESL-IE-87-09-16	INDUST: An Industrial Data Base	Wilfert, G.; Moore, N.	Link
ESL-IE-87-09-17	Heat Recovery from Arc Furnaces Using Water Cooled Panels	Darby, D.	Link
ESL-IE-87-09-18	Research in Industrial Combustion Systems--Current and Future R&D	Keller, J.; Rebello, W.	Link
ESL-IE-87-09-19	Advanced Petrochemical Process Heating with the Pyrocore Burner	Krill, W.; Miden, A.; Donaldson, Jr.; L.	Link
ESL-IE-87-09-20	Flame Spectral Analysis for Boiler Control	Metcalfe, C.; Cole, W.; Batra, S.	Link
ESL-IE-87-09-21	Oxygen Enriched Combustion System Performance Study	Abele, A.; Kwan, Y.; Chen, S.; Silver, L.; Kobayashi, H.	Link
ESL-IE-87-09-22	Combustion Technology Development for an Advanced Glass Melting System	Steckler, D.; Westra, L.; Woodroffe, J.; Jeong, J.	Link
ESL-IE-87-09-23	Commercialization of Industrial Absorption Heat Pumps in the U. S.	Pettigrew, M.	Link
ESL-IE-87-09-24	Comparative Performance of Heat Pumps and R&D Requirements	Ally, M.	Link
ESL-IE-87-09-25	Advanced Chemical Heat Pumps Using Liquid-Vapor Reactions	Kirol, L.	Link
ESL-IE-87-09-26	Complex Compound Chemical Heat Pumps	Rockenfeller, U.; Horn, G.; Langeliers, J.	Link
ESL-IE-87-09-27	Optimization of Chilled Water Systems	Gidwani, B.; Weston, R.	Link
ESL-IE-87-09-28	Energy Management of Chiller Plant for Improved Efficiency and Operation	Kaya, A.; Alexander, D.; Rice, L.	Link
ESL-IE-87-09-29	Adaptive Optimization of Central Chiller Plant Equipment Sequencing	Fiorino, D.; Priest, J.	Link
ESL-IE-87-09-30	Cost-Effective Gas-Fueled Cooling Systems for Commercial/Industrial Buildings and Process Applications	Lindsay, B.; Willits, W.	Link
ESL-IE-87-09-31	Energy Metering Audit Procedure	Whitaker, S.	Link
ESL-IE-87-09-32	Accurate BTU Measurements	Hosseini, S.; Rusnak, J.	Link
ESL-IE-87-09-33	Correct Marginal Utility Costs Underwrite Plant Profitability	Ranade, S.; Robert, W.	Link
ESL-IE-87-09-34	New Concepts for Industrial Energy/Utility Values	O'Brien, W.	Link
ESL-IE-87-09-35	Energy Saving in Distillation Using Structured Packaging and Vapor Recompression	Hill, J.	Link
ESL-IE-87-09-36	Supercritical Fluid Extraction- Process Simulation and Design	Martin, C.; Seibert, F.	Link
ESL-IE-87-09-37	The Use of Metal Hydrides for Hydrogen Recovery from Industrial Off-Gas Streams	Rebello, W.; Guerra, P.; Goodell, P.	Link
ESL-IE-87-09-38	Intraclass Price Elasticity and Electric Rate Design	Gresham, K.	Link
ESL-IE-87-09-39	Cost Bases for Incentive Rates Applicable to Industrial Loads	Stover, C.	Link
ESL-IE-87-09-40	The Cogeneration Quandary	Einhorn, M.	Link
ESL-IE-87-09-41	Contract Provisions and Ratchets: Utility Security or Customer Equity?	Penkala, B.	Link
ESL-IE-87-09-42	Aeroderivative Gas Turbines Can Meet Stringent NOx Control Requirements	Keller, S.; Studniarz, J.	Link
ESL-IE-87-09-43	Compressor and Hot Section Fouling in Gas Turbines--Causes and Effects	Meher-Homji, C.	Link
ESL-IE-87-09-44	System Design and Experimental Development of the Kalina Cycle Technology	Kalina, A.; Leibowitz, A.	Link
ESL-IE-87-09-45	Cogeneration Plant is Designed for Total Energy	Howell, D.; Vera, R.	Link
ESL-IE-87-09-46	Cogeneration Design Considerations for a Major Petrochemical Facility	Good R.	Link
ESL-IE-87-09-47	Cheng Cycle Brings Flexibility to Steam Plant	Keller, D.; Bynum, D.; Kosla, L.	Link
ESL-IE-87-09-48	Cogeneration Project Analysis Update	Robinson, A.; Garcia, L.	Link
ESL-IE-87-09-49	Potential for Heat Pumps in the U. S. Process Industries	Rossiter, A.; Seetharam, R.; Ranade, S.	Link
ESL-IE-87-09-50	Application and Technology Requirements for Heat Pumps at the Process Industries	Chappell, R.; Priebe, S.	Link
ESL-IE-87-09-51	Industrial Process Heat Pumps--Some Unconventional Wisdom	Karp, A.	Link
ESL-IE-87-09-52	The Role of the Consultant in Marketing Industrial Heat Pumps	Niess, R.; Gilbert, J.	Link
ESL-IE-87-09-53	Optimum Operation of In-Plant Cogeneration Systems	Craw, I.; Reidy, K.; Foster, D.	Link
ESL-IE-87-09-54	Automating an Industrial Power Plant	Williams, D.; McCowen, R.	Link
ESL-IE-87-09-55	Reliability Improvement Programs in Steam Distribution and Power Generation Systems	Petto, S.	Link
ESL-IE-87-09-56	The Influence of Availability Costs on Optimal Heat Exchanger Size	Witte, L.	Link
ESL-IE-87-09-57	Optimized Utility Systems and Furnace Integration	Spriggs, H.; McMullan, A.	Link
ESL-IE-87-09-58	ICI's Approach to Total Energy Savings on Ethylene Plants	Hindmarsh, J.; Boland, D.	Link
ESL-IE-87-09-59	Application of Pinch Technology in Refinery Retrofits	Papoulias, S.; Robertson, J.; Sinderopoulos, T.; Siegell, J.; Thomas, W.	Link
ESL-IE-87-09-60	Cogeneration Markets: An Industry in Transition	Breuer, C.	Link
ESL-IE-87-09-61	How Regulatory Policy Impacts Large Scale Cogeneration Facilities	Smith, Jr.; A.	Link
ESL-IE-87-09-62	Power Generation and Power Use Decisions in an Industrial Process	Gilbert, J.; Niess, R.	Link
ESL-IE-87-09-63	Why Cogeneration Development Projects Fail	Greenwood, R.	Link
ESL-IE-87-09-64	The NewFace of Utility Marketing	Gilbert, J.	Link
ESL-IE-87-09-65	The Electric Utility Industry--Change and Challenge	Williams, M.	Link
ESL-IE-87-09-66	Marketing Strategies in a Downturn Economy	Williams, M.	Link
ESL-IE-87-09-67	The Role of Marketing at Duke Power Company	Paules, Jr.; W.	Link
ESL-IE-87-09-68	Quality of Power in the Industrial Sector	Marchbanks, G.	Link
ESL-IE-87-09-69	Ontario's Industrial Energy Services Program	Ploeger, L.	Link
ESL-IE-87-09-71	Economics of Energy Conservation in the Chemical and Petrochemical Industries	Nochod, Jr.; E.	Link
ESL-IE-87-09-72	Efficiency--A Pump Engineering Nemesis?	McGuire, J.	Link
ESL-IE-87-09-73	Energy Utilization in Fermentation Ethanol Production	Easley, C.	Link
ESL-IE-87-09-74	Marketing Cool Storage Technology	McCannon, L.	Link
ESL-IE-87-09-75	The Corporate Headquarters for Alabama Power Company	Reardon, J.; Penuel, K.	Link
ESL-IE-87-09-76	Thermal Energy Storage for Vacuum PreCoolers	Nugent, D.	Link
ESL-IE-87-09-77	The Modern Energy Savings Route	Smith, M.	Link
ESL-IE-87-09-78	Cooling Towers, The Neglected Energy Resource	Burger, R.	Link
ESL-IE-87-09-79	Hydraulic Cooling Tower Driver--The Innovation	Dickerson, J.	Link
ESL-IE-87-09-80	Preserve the Investment-Antibiological Spray	Riedenbach, R.	Link

ESL-PA-87-11-01	The Effects of Frost Growth on Extended Surface Heat Exchanger Performance: A Review, <i>ASHRAE Transactions</i> , Volume 93, Part 2, 1987	Katipamula, S.; O'Neal, D.L.; Turner, W.D.; Murphy, W.	Link
ESL-PA-88-02-01	ITPE Technique Applications to Time-Varying Two-Dimensional Ground-Coupling Problems, <i>International Journal of Heat and Mass Transfer</i> , Vol. 31, No. 9, pp. 1899 – 1911	Krarti, M.; Claridge, D. E.; Kreider, J. F.	Link
ESL-PA-88-02-02	The ITPE Technique Applied to Steady-State Ground-Coupling Problems, <i>International Journal of Heat and Mass Transfer</i> , Vol. 31, No. 9, pp. 1885 – 1898	Krarti, M.; Claridge, D. E.; Kreider, J. F.	Link
ESL-PA-88-04-01	Schwartz-Christoffel Transformation Applied to Steady-State Ground-Coupling Problems, <i>Solar Engineering 1988: Proceedings of the 10th Annual ASME Solar Energy Conference</i> , April 10 – 14, Denver, CO, pp. 411 – 420	Krarti, M.; Claridge, D. E.; Kreider, J. F.	Link
ESL-TH-88-05-03	Development of a Room Air Conditioner Design Model, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Penson, Steve	Link
ESL-PA-88-06-01	Analytical Calculation Procedure for Underground Heat Losses, <i>ASHRAE Transactions</i> , 1988, Vol. 94, Pt. 2, pp. 1003 – 1019	Krarti, M.; Claridge, D. E.	Link
ESL-PA-88-06-02	An Overview of 3-D Graphical Analysis Using DOE-2 Hourly Simulation Data, <i>ASHRAE Transactions</i> , 1988, Vol. 94, Part 1, pp. 212 – 227	Haberl, J.; MacDonald, M.; Eden, A.	Link
ESL-PA-88-06-03	Simulation of Dehumidification Characteristics of Residential Central Air Conditioners, <i>ASHRAE Transactions</i> , 1988, Vol. 94, Pt. 2	Katipamula, S.; O'Neal, D. L.; Somasundaram, S.	Link
ESL-TR-88-06-04	Determination of the Transient Response Characteristics of the Air-Source Heat Pump During the Reverse Cycle Defrost, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i>	O'Neal, D. L.; Anand, N. K.; Peterson, K. T.; Schleising, S.	Link
ESL-TR-88-07-01	An Evaluation of Improper Refrigerant Charge on the Performance of a Split System Air Conditioner with Capillary Tube Expansion, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i>	Farzad, M.; O'Neal, D. L.	Link
ESL-PA-88-08-01	Expert Systems for Diagnosing Operation and Maintenance Problems in Building HVAC Systems, <i>ACEEE 1988 Summer Study on Energy Efficiency in Buildings</i> , Pacific Grove, California, pp. B1-B9	Haberl, J. S.; Norford, L. K.; Spadaro, J.; Allgeier, A.	Link
ESL-TH-88-08-01	The Effect of Alternate Defrost Strategies on the Reverse-Cycle Defrost of an Air-Source Heat Pump, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Schliesing, J. S.	Link
ESL-TH-88-08-02	The Effects of Expansion Devices on the Transient Response Characteristics of the Air-Source Heat Pump During the Reverse Cycle Defrost, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Peterson, Kurt T.	Link
ESL-PA-88-09-01	Use of Metered Data Analysis to Improve Building Operation and Maintenance: Early Results from Two Federal Complexes, <i>Proceedings of the ACEEE 1988 Summer Study on Energy Efficiency in Buildings</i> , August 28 – September 3, Asilomar, CA, Vol. 3, pp. 3.98 – 3.111.	Haberl, J.; Vajda, E.	Link
ESL-PA-88-09-02	Metered Data Analysis and Knowledge Based Methods that Reduce HVAC Operation and Maintenance Problems, <i>Proceedings of the 5th Annual Symposium on Improving Building Systems in Hot and Humid Climates</i> , September 13-14, Houston, TX, pp. 65 – 71.	Haberl, J.S.; Smith, L.; Kreider, J.F.	Link
ESL-PA-88-09-03	First Year Analysis of Industrial Energy Conservation in Texas A&M's Energy Analysis and Diagnostic Center Program	Grubb, M. K.; Heffington, W. M.	Link
ESL-PA-88-09-04	An Expert System for Building Energy Consumption Analysis: Applications at a University Campus, <i>ASHRAE Transactions</i> , Vol. 94, Pt. 1, pp. 1037 – 1062.	Haberl, J.; Smith, L. K.; Cooney, K. P.; Stern, F. D.	Link
ESL-PA-88-09-05	Energy Efficiency Design Evaluation for the Texas Department of Corrections, <i>Proceedings of the 5th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1988</i> , September 13-14, Houston, TX, pp. 129 – 136.	Claridge, D. E.; Krarti, M.; Turner, W. D.	Link
ESL-HH-88-09-01	Park Load Reduction by Preconditioning of Buildings at Night	Rabl, A.; Norford, L. K.	Link
ESL-HH-88-09-02	Cool Storage Economic Feasibility Analysis for a Large Industrial Facility	Fazzolari, R.; Mascorro, J. A.; Ballard, R. H.	Link
ESL-HH-88-09-03	Residential Thermal Mass Construction	Thieken, J. S.	Link
ESL-HH-88-09-04	Optimal Control of Harvesting Ice Thermal Storage Systems	Knebel, D. E.	Link
ESL-HH-88-09-05	Thermal Storage for Energy Efficient Structures (Poteet High School Case Study)	Utesch, A. L.	Link
ESL-HH-88-09-06	The Institutional Conservation Program: A Funding Option for Energy Retrofits	Roberts, M.	Link
ESL-HH-88-09-07	The Energy Resource Center: On-Site Technical Assistance and Training Programs for Texas School Districts	Roberts, M.; Sanders, M.	Link
ESL-HH-88-09-08	Programs of the Governor's Energy Management Center	Verdict, M.	Link
ESL-HH-88-09-09	Energy Data Collection and Metering in Texas State Agencies	Grigg, T.J.	Link
ESL-HH-88-09-10	Performance Auditing of Energy Management Programs	White, J. A.	Link
ESL-HH-88-09-11	Evaluating and Monitoring Energy Conservation in Multibuilding Clusters with Statistical Models	Darwin, R. F.; Mazzucchi, R. P.	Link
ESL-HH-88-09-12	Metered Data Analysis and Knowledge Based Methods that Reduce HVAC Operation and Maintenance Problems, <i>Proceedings of the 5th Annual Symposium on Improving Building Systems in Hot and Humid Climates</i> , September 13-14, Houston, TX, pp. 65 – 71.	Haberl, J.; Smith, L.; Kreider, J. F.	Link
ESL-HH-88-09-13	A Proposed Method for Improving Residential Heating Energy Estimates Based on Billing Data	Lee, A. D.; Hadley, D. L.	Link
ESL-HH-88-09-14	Power Signatures as Characteristics of Commercial and Related Buildings	MacDonald, M.	Link
ESL-HH-88-09-15	Energy Use Analysis for the Federal Energy Management Program	Mazzucchi, R. P.; Devine, K. D.	Link
ESL-HH-88-09-16	Ground and Water Source Heat Pump Performance and Design for Southern Climates	Kavanaugh, S.	Link
ESL-HH-88-09-17	Improving the Performance of Air-Conditioning Systems in an ASEAN Climate	Busch, J. F.; Warren, M. L.	Link
ESL-HH-88-09-18	Rating of Mixed Split Residential Air Conditioners	Domanski, P. A.	Link
ESL-HH-88-09-19	An Overview of the Building Energy Retrofit Research Program	Mixon, W. R.	Link
ESL-HH-88-09-20	Energy Conservation Recommendations, Implementation Costs, and Projected Paybacks for Georgia's Targeted Schools and Hospitals Conservation Program	Brown, M. L.; Moore, D. M.	Link
ESL-HH-88-09-21	Energy Efficiency Design Evaluation for the Texas Department of Corrections, <i>Proceedings of the 5th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1988</i> , September 13-14, Houston, TX, pp. 129 – 136.	Claridge, D. E.; Krarti, M.; Turner, W. D.	Link
ESL-HH-88-09-22	The Austin Energy Star Program	Seiter, D. L.	Link
ESL-HH-88-09-23	Alternatives to Electric Air Conditioning Systems	Lindsay, B. B.; Koplow, M. D.	Link
ESL-HH-88-09-24	Active Humidity Control Through Gas-Fired Desiccant Humidity Pump	Novosel, D.; Griffiths, W. C.	Link
ESL-HH-88-09-25	A Preliminary Evaluation of Alternative Liquid Desiccants for a Hybrid Desiccant Air Conditioner	Studak, J. W.; Peterson, J. L.	Link
ESL-HH-88-09-26	Modeling of Residential Attics with Radiant Barriers	Wilkes, K. E.	Link
ESL-HH-88-09-27	Radiant Barrier Insulation Performance in Full Scale Attics with Soffit and Ridge Venting	Ober, D. G.; Volckhausen, T. W.	Link
ESL-HH-88-09-28	Performance Testing of Radiant Barriers (RB) with R11, R19, and R30 Cellulose and Rock Wool Insulation	Hall, J. A.	Link
ESL-HH-88-09-29	Analysis of Attic Radiant Barrier Systems Using Mathematical Models	Fairey, P.; Swami, M.	Link

ESL-HH-88-09-30	Development of Revised Energy Standards for Texas Buildings: Preliminary Results	Hunn, B. D.; Jones, J. W.; Silver, S. C.	Link
ESL-HH-88-09-31	The College Station Residential Energy Compliance Code, <i>Proceedings of the 5th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1988</i> , September 13-14, Houston, TX.	Claridge, D. E.; Schrock, D.	Link
ESL-HH-88-09-32	Commercial Energy Code Enforcement in Oregon and Washington	Miller, W.; O'Neill, M.; Johnson, M.	Link
ESL-HH-88-09-33	Residential Energy Code Technical Support: Training that Works for Enforcement Personnel	Bowman, J.	Link
ESL-HH-88-09-34	Installation Practices of California HVAC Contractors: Implications for Residential Building Codes	George, S. S.; Koved, M. D.	Link
ESL-HH-88-09-35	Simulation of Dehumidification Characteristics of High Efficiency Residential Central Air-Conditioners in Hot and Humid Climates, <i>Proceedings of the 5th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1988</i> , September 13-14, Houston, TX.	Katipamula, S.; O'Neal, D.; Somasundaram, S.	Link
ESL-HH-88-09-36	Polyimide Capacitive Humidity Sensors	Lofgren, H.; Mills, F.	Link
ESL-HH-88-09-37	Effects of Material Moisture Adsorption and Desorption on Building Cooling Loads	Fairey, P.; Kosar, D.	Link
ESL-HH-88-09-38	Desiccant Moisture Exchange for Dehumidification Enhancement of Air Conditioners	Cromer, C.J.	Link
ESL-HH-88-09-39	Successfully Marketing Thermal Storage in Commercial Buildings	McDonald, C.	Link
ESL-HH-88-09-40	Estimating the Market Penetration of Residential Cool Storage Technology Using Economic Cost Modeling	Weijo, R. O.; and Brown, D. R.	Link
ESL-HH-88-09-41	Guidelines for Marketing Demand-Side Management in the Commercial Sector	George, S. S.	Link
ESL-HH-88-09-42	Marketing Demand-Side Management	O'Neill, M. L.	Link
ESL-HH-88-09-43	Energy Efficient Design Concept for Mesquite Independent School District	Maxwell, C. L.	Link
ESL-HH-88-09-44	Guidelines for Energy Efficient Schools	McClure, J. D.; Estes, J. M.; Bicknell, K. N.; Estes, M. C.	Link
ESL-HH-88-09-45	Analysis of Energy Efficiency Measures in Rehabilitation of Multifamily Housing Units	Hunn, B. D.; Silver, S. C.	Link
ESL-HH-88-09-46	The Energy Services Agreement: An Approach to Energy Conservation and Management in a Multi-Building, Multi-Use Facility	Hull, R. W.	Link
ESL-HH-88-09-47	Field Validation of the ASHRAI Transfer Function Method for Calculating Cooling Load	Braud, H. J.; Quille, T.; Shih, J. C.	Link
ESL-HH-88-09-48	Validation of the Algorithms Developed for Preliminary Prediction of Daylight Distribution in a Toplighted Atrium	Boubekri, M.; Atif, M. R.; Boyer, L. L.	Link
ESL-HH-88-09-49	Preliminary Measurements of the Energy Impact of Infiltration in a Test Cell, <i>Proceedings of the 5th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1988</i> , September 13-14, Houston, TX.	Claridge, D. E.; Krarti, M.; Bhattacharyya, S.	Link
ESL-HH-88-09-50	Experimental Evaluation of Innovative Wall Daylighting Systems	Place, J. W.; Howard, T. C.; Paulos, S.; Chung, K.	Link
ESL-HH-88-09-51	Effect of Surface Mass on Roof Thermal Performance	Wilkes, K. E.; Shipp, P. H.; Sanders, J. P.	Link
ESL-HH-88-09-52	Monitoring of Electrical End-Use Loads in Commercial Buildings	Martinez, M.; Alereza, T.; Mort, D.	Link
ESL-HH-88-09-53	Submetering to Evaluate Energy Use in Office Buildings	Larkam, P.	Link
ESL-HH-88-09-54	Applying the Leap Experience to Monitoring of Commercial Buildings in Hot and Humid Climates	Mazzucchi, R. P.; Stoops, J. L.	Link
ESL-IE-88-09-01	Texas Bulk Power Study--An Overview	Moore, B.	Link
ESL-IE-88-09-02	Bulk Power Transmission Study	John, T.	Link
ESL-IE-88-09-03	Remarks Concerning the Public Utility Commission of Texas--Study on Bulk Power Transmission	Sweatman, R.	Link
ESL-IE-88-09-04	Natural Gas Purchasing Options	Watkins, G.	Link
ESL-IE-88-09-05	Utility-Customer Rate Negotiations Blackmail or Compromise?	Gilbert, J.	Link
ESL-IE-88-09-06	Modeling On-Site Utility Systems Using 'APLUS'	Ranade, S.; Jones, D.; Shreck, S.	Link
ESL-IE-88-09-07	A Versatile and Powerful Simulator for Design, Advanced Control and Expert Systems	Schindler, H.; Leaver, E.; Shewchuk, C.	Link
ESL-IE-88-09-08	Online Modeling in the Process Industry for Energy Optimization	Alexander, J.	Link
ESL-IE-88-09-09	Experiences with On-Line STEAMPOP	Nath, R.; Libby, D.; Marcinkowska, A.; Skarke, S.; Thomasson, M.; Worsham, B.	Link
ESL-IE-88-09-10	Optimizing Control-A Survey	Preisig, H.	Link
ESL-IE-88-09-11	Incentive Rates-At What Cost?	Schaeffer, S.	Link
ESL-IE-88-09-12	Utility Marketing--Numbers Games, Technology Wars or Relational Marketing	Gilbert, J.	Link
ESL-IE-88-09-13	Review of Conservation Costs and Benefits: Five Years of Experience Under the Northwest Power Act	Sheets, E.	Link
ESL-IE-88-09-14	Electric Rate Alternatives to Cogeneration	Sandberg, Jr.; K.	Link
ESL-IE-88-09-15	Alternatives to Industrial Cogeneration: A Pinch Technology Perspective	Karp, A.	Link
ESL-IE-88-09-16	Plantwide Energy Management for Hydrocarbon and Petrochemical Industry	Ahmed, A.; Clinkscales, T.	Link
ESL-IE-88-09-17	Site-Wide Optimization Using an Operations Center	Boland, D.	Link
ESL-IE-88-09-18	Monitoring Energy Losses	Eulinger, R.	Link
ESL-IE-88-09-19	Utility System Simulation: A Non-Linear Approach	Delk, S.	Link
ESL-IE-88-09-20	Using Pinch Technology to Explore Trade-Offs Between Energy Cost, Capital Cost, Process Modifications, and Utility Selection	McMullan, A.; Spriggs, H.	Link
ESL-IE-88-09-21	Natural Gas Procurement Challenges for a Project Financed Cogeneration Facility	Good, R.; Calvert, T.; Pavlish, B.	Link
ESL-IE-88-09-22	Cogeneration--The Rest of the Story	Gilbert, J.	Link
ESL-IE-88-09-23	High Efficiency Gas Turbines Overcome Cogeneration Project Feasibility Hurdles	King, J.	Link
ESL-IE-88-09-24	Identifying Energy Systems that Maximize Cogeneration Savings	Ahner, D.	Link
ESL-IE-88-09-25	The Current and Future Marketplace for Waste-To-Energy Cogeneration Facilities in the United States	Jacobs, S.	Link
ESL-IE-88-09-26	Energy Savings by Use of Disk/Donut Baffling in Tubular Heat Exchangers	Taborek, J.; Klein, D.; Fair, J.	Link
ESL-IE-88-09-27	The Impact of Heat Transfer Enhancement Techniques on Energy Savings in the U. S Industries	Rebello, W.; Sohal, M.; Peterson, G.	Link
ESL-IE-88-09-28	Design and Evaluation of a High Temperature Burner Duct Recuperator System	Parks, Jr.; W.; DeBellis, C.; Kneidel, K.	Link
ESL-IE-88-09-29	Advanced Fluized Bed Waste Heat Recovery Systems	Peterson, G.	Link
ESL-IE-88-09-30	The Cost of Heat Exchanger Fouling in the U. S. Industries	Rebello, W.; Richlen, S.; Childs, F.	Link
ESL-IE-88-09-31	Revitalizing Your Energy Program	Nelson, K.	Link
ESL-IE-88-09-32	Marketing Quality Energy Awareness	Fortier, L.	Link
ESL-IE-88-09-33	Energy Management of Steam Distribution Systems Through Energy Audits and Computerized Reporting Programs	Rivers, N.; Mandzuk, N.	Link

ESL-IE-88-09-34	Awareness Program Fuels Energy Savings Projects	Klidzejs, A.	Link
ESL-IE-88-09-35	A Study on the Failure of Industrial Electric Heater	Chyu, M.	Link
ESL-IE-88-09-36	The Pinch Explosion	Rossiter, A.; Boland, D.	Link
ESL-IE-88-09-37	Designing Optimal Heat and Power Systems for Industrial Processes	Rutkowski, M.; Witherell, W.	Link
ESL-IE-88-09-38	How One Utility is Using Pinch Technology as a Marketing Tool	Hamilton, D.	Link
ESL-IE-88-09-39	Designing Flexible Heat Exchanger Networks	Gautam, R.; Chen, H.; Wareck, J.	Link
ESL-IE-88-09-40	Impact of Utility Costs on Pinch Designs	Ranade, S.; Jones, D.; Zapata-Suarez, A.	Link
ESL-IE-88-09-41	Commissioning and Start Up of a 110 MegaWatt Cogeneration Facility	Good, R.	Link
ESL-IE-88-09-42	Advanced Cogeneration Control, Optimization, and Management: A Case Study	Hinson, F.; Curtin, D.	Link
ESL-IE-88-09-43	Operating and Maintaining a 465MW Cogeneration Plant	Theisen, R.	Link
ESL-IE-88-09-44	Repowering of the Midland Nuclear Station	Gatlin, Jr.; C.; Vellender, G.; Mooney, J.	Link
ESL-IE-88-09-45	First Year Analysis of Industrial Energy Conservation in Texas A&M's Energy Analysis and Diagnostic Center Program	Grubb, M.; Heffington, W.	Link
ESL-IE-88-09-46	Low Grade Heat Recovery--A Unique Approach at Polysar Limited	Shyr, S.	Link
ESL-IE-88-09-47	Economics of Organic Rankine Cycle	O'Brien, W.	Link
ESL-IE-88-09-48	Energy Recovery by Direct Contact Gas-Liquid Heat Exchange	Fair, J.; Bravo, J.	Link
ESL-IE-88-09-49	An Evaluation of the Impact of Surface Coatings on the Heat Transfer in High Temperature Ceramic Recuperators	Guerrero, P.; Rebello, W.; Federer, J.	Link
ESL-IE-88-09-50	Combustion of Cattle Manure in a Fluidized Bed Combustor	Annamalai, K.; Colaluca, M.; Ibrahim, M.; Sweeten, J.	Link
ESL-IE-88-09-51	Evaluation of Advanced PSA and Oxygen Combustion System for Industrial Furnace Application	Delano, M.; Lagree, D.; Kwan, Y.	Link
ESL-IE-88-09-52	Advanced Burners and Combustion Controls for Industrial Heat-Recovery Systems	Ferri, J.	Link
ESL-IE-88-09-53	The Control of NOx Emissions from Combustors and Incinerators	Heap, M.; Chen, S.; Seeker, W.; Pershing, D.	Link
ESL-IE-88-09-54	Assessment of an Industrial Wet Oxidation System for Burning Waste and Low-Grade Fuels	Bettinger, J.; Koppel, P.; Margulies, A.	Link
ESL-IE-88-09-55	Development of the GE Quiet Combustor and Other Design Changes to Benefit Air Quality	Miller, H.	Link
ESL-IE-88-09-56	Natural Gas Regulatory Policy: Current Issues	Watkins, G.	Link
ESL-IE-88-09-57	Emissions Resulting from the Full-Scale Cofiring of Pelletized Refuse-Derived Fuel and Coal	Ohlsson, O.; Daugherty, K.; Venables, B.	Link
ESL-IE-88-09-58	Oxidative Degradation of Trichloroethylene Adsorbed on Active Carbons: Use of Microwave Energy	Varma, R.; Nandi, S.; Cleveland, D.; Myles, K.; Vissers, D.; Nelson, P.	Link
ESL-IE-88-09-59	Incineration of Residue from Paint Striping Operations Using Plastic Media Blasting	Helt, J.; Mallia, N.	Link
ESL-IE-88-09-60	Operating Experience of the 20-MW AFBC Pilot Plant	Stephens, Jr.; E.	Link
ESL-IE-88-09-61	Turbocharged PFBC Power Plant Technical and Economic Assessments	Leppke, D.	Link
ESL-IE-88-09-62	An Application of State-of-the-Art HVAC and Building Systems	Fiorino, D.	Link
ESL-IE-88-09-63	Hidden Gold	Abernathy, L.	Link
ESL-IE-88-09-64	Thermal Stratification- A Means to Reduce Cooling Loads in High Bay Industrial Buildings	Olivieri, J.; Singh, T.	Link
ESL-IE-88-09-65	A Unified and Integrated Energy Management System for HVAC Spaces and Power House	Kaya, A.; Debban, G.	Link
ESL-IE-88-09-66	Recent Developments in High Temperature Superconductivity	Hor, P.	Link
ESL-IE-88-09-67	Electronic Applications of High Temperature Superconductors	Kroger, H.; Miracky, R.	Link
ESL-IE-88-09-68	Electric Energy Application of the New Superconductors	Schneider, T.	Link
ESL-IE-88-09-69	Superconductive Magnetic Energy Storage (SMES) System Studies for Electrical Utility Usage at Wisconsin	Boom, R.; Eyssa, Y.; Abdelsalem, M.; Huang, X.	Link
ESL-IE-88-09-70	Testimony of the Council on Superconductivity for American Competitiveness before Texas A&M University	Ott, K.	Link
ESL-IE-88-09-71	Why Condensing Steam Turbines are More Efficient than Gas Turbines	Nelson, K.	Link
ESL-IE-88-09-72	Current Practical Applications of the Second Law of Thermodynamics	Kenney, W.	Link
ESL-IE-88-09-73	Second Law Analysis for Process and Energy Engineering: Use in a Steam/Power Cycle	Sama, D.; Gaggioli, R.; Finkenthal, D.; Cooley, W.; Sanhong, Q.	Link
ESL-IE-88-09-74	The Exergy Concept Beyond the Academic Environment	El-Sayed, Y.	Link
ESL-IE-88-09-75	Removing the Entropy Screen- To Let the Second Law Show	Steinmeyer, D.	Link
ESL-TR-88-10-01	Redesign of Lighting Fixtures for the Texas Department of Corrections, <i>Energy Systems Laboratory, Mechanical Engineering Department, Texas A&M University.</i>	Claridge, D. E.; Turner, W. D.; Krarti, M.; Yebra, R.	Link
ESL-TR-88-10-02	An Analysis of Efficiency Improvements in Room Air Conditioners, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	O'Neal, D. L. ; Penson, S. B.	Link
ESL-TR-88-11-01	Energy Use and Design Options for Texas State Buildings, <i>Prepared for Energy Management Center, Office of the Governor by The Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Katipamula, S.; O'Neal, D. L.	Link
ESL-TH-88-12-01	The Design, Construction, and Calibration of a Heat Exchanger Calorimeter	Lovelady, J. P.	Link
ESL-TH-88-12-02	The Effects of Frost Growth on Finned Tube Heat Exchangers under Laminar Flow, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Kondepudi, S. N.	Link
ESL-TH-88-12-03	An Analysis of Energy Use in Two Texas State Agencies, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Rothbauer, K.	Link
ESL-TH-88-12-04	Internship experience at Lockwood, Andrews & Newman, Inc., <i>Doctor of Engineering, College of Engineering, Texas A&M University.</i>	Bolander, J.	Link
ESL-TR-89-03-01	An Evaluation of the Effects of Refrigerant Charge on a Residential Central Air Conditioner with Orifice Expansion, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	O'Neal, D. L.; Ramsey, C.J.; Farzad, M.	Link
ESL-PA-89-05-01	Effect of Frost Growth on the Performance of Louvered Finned Tube Heat Exchangers, <i>International Journal of Refrigeration</i> , Vol. 12, May, pp. 151 – 158.	Kondepudi, S. N.; O'Neal, D. L.	Link
ESL-TH-89-05-03	Reducing energy costs at state agencies and institutions in Texas through the Governor's Energy Management Center, <i>Doctor of Engineering, College of Engineering, Texas A&M University.</i>	White, J. A.	Link
ESL-PA-89-06-01	Diagnosing Building Operational Problems: Intelligent Systems for Diagnosing Operational Problems in HVAC Systems, <i>ASHRAE Journal</i> , June, Vol. 31, No. 6, pp. 20 – 30.	Haberl, J.; Norford, L. K.; Spadaro, J. V.	Link
ESL-PA-89-06-03	Refrigeration System Dynamics During the Reverse Cycle Defrost, <i>ASHRAE Transactions</i> , 1989, Vol. 95, Pt. 2.	O'Neal, D. L.; Peterson, K. T.; Anand, N. K.; Schliesing, J. S.	Link

ESL-PA-89-06-04	Effects of Outdoor Coil Fan Pre-Start on Pressure Transients During the Reverse Cycle Defrost of a Heat Pump, <i>ASHRAE Transactions</i> , 1989, Vol. 95, Part 2, pp. 699-704.	Anand, N. K; Schliesing, J. S.; O'Neal, D. L.; Peterson, K. T.	Link
ESL-TR-89-06-02	Policy Recommendations for Establishing the LoanSTAR Monitoring and Analysis Program, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Claridge, D. E.; O'Neal, D. L.; Turner, W. D.	Link
ESL-TR-89-07-01	Energy Use, Information, and Behavior in Small Commercial Buildings, PU/CEES Report No. 240, <i>The Center for Energy and Environmental Studies, Princeton University</i> .	Komor, P.; Kempton, W.; Haberl, J.	Link
ESL-TR-89-08-01	An Evaluation of Improper Refrigerant Charge on the Performance of a Split System Air Conditioner with a Thermal Expansion Valve, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Farzad, M.; O'Neal, D. L.	Link
ESL-TR-89-08-02	Shower Testing for the Texas Department of Corrections, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Claridge, D. E.; Turner, W. D.; Chen, L.	Link
ESL-PA-89-09-01	Investigating an Analytical Basis for Improving Commercial Building Energy Audits: Early Results from a New Jersey Mall, <i>Proceedings of the Thermal Performance of the Exterior Envelope of Buildings IV, ASHRAE/DOE/BTECC/CIBSE</i> , Orlando, FL, Sept.; pp. 302 – 331.	Haberl, J.; Komor, P. S.	Link
ESL-PA-89-09-02	A Simplified Self-Help Way to Size Small-Scale Cogeneration Systems, <i>Cogeneration Journal</i> , Vol. 4, No. 4, pp. 61 – 79.	Somasundaram, S.; Turner, W. D.; Katipamula, S.	Link
ESL-IE-89-09-01	Electrotechnologies in Process Industries	Amarnath, A.	Link
ESL-IE-89-09-02	Emerging Opportunities in Industrial Electrification Technologies	Schmidt, P.	Link
ESL-IE-89-09-03	Industrial Heat Pumps: Where and When	Ranade, S.; Chao, Y.	Link
ESL-IE-89-09-04	Adjustable Speed Drive Industrial Applications	Poole, J.	Link
ESL-IE-89-09-05	Fossil Power Plant Applications of Expert Systems: An EPRI Perspective	Divakaruni, S.	Link
ESL-IE-89-09-06	Intelligent Use Interfaces for Expert System Applications in Power Plants	Frogner, B.	Link
ESL-IE-89-09-07	Development of an On-Line Expert System: Heat Rate Degradation Expert System Advisor	Popocy, D.	Link
ESL-IE-89-09-08	A Portable Expert System For Gas Turbine Maintenance	Quentin, G.	Link
ESL-IE-89-09-09	The New Approach to Strategic Energy Planning	Friedman, N.	Link
ESL-IE-89-09-10	Dow and Independent Power--Yesterday, Today, and Tomorrow	Brunt, J.	Link
ESL-IE-89-09-11	The New Rules for Purchasing Electric Power	Stern, K.	Link
ESL-IE-89-09-12	Gas Purchasing Strategies for the '90s	Schuler, S.	Link
ESL-IE-89-09-13	Impact of CFC Regulations on Environmental System Design and Operation	Lechtanski, J.	Link
ESL-IE-89-09-14	A Quick Overview of the Art of Humidity Measurement	Brownawall, M.	Link
ESL-IE-89-09-15	Cost Effective Cooling Strategies for Manufacturing Facilities	Kumar, R.	Link
ESL-IE-89-09-16	A Unique Ductless H and V System for Manufacturing Plants	McReynolds, C.	Link
ESL-IE-89-09-17	Do You Have Adequate Staffing to Keep Your Costs Under Control?	Mergens, E.	Link
ESL-IE-89-09-18	There's More to Managing Energy than Saving Btu's	Nelson, K.	Link
ESL-IE-89-09-19	Strategies for Facilities Renewal	Good, R.	Link
ESL-IE-89-09-20	Energy Management at Steelcase--Energy Integrated with Facilities	Dornbos, Sr.; D.	Link
ESL-IE-89-09-21	Air Pollution Issues of the 1990's	Myers, J.	Link
ESL-IE-89-09-22	Waste Prevention--What Can We Learn from the Success of Energy Conservation	Steinmeyer, D.	Link
ESL-IE-89-09-23	Environmental Impact on Applied Technology- Global Warming CFCs and VOCs	Gilbert, J.	Link
ESL-IE-89-09-24	Utility Marketing Strategies and Pricing Trends (An Overview)	Reynolds, S.	Link
ESL-IE-89-09-25	How One Utility is Building Industrial Consumer Relationships	Hamilton, D.	Link
ESL-IE-89-09-26	Utility Marketing Strategies and Pricing Trends	Gilbert, J.	Link
ESL-IE-89-09-27	What Does Industry Expect from an Electrical Utility	Jensen, C.	Link
ESL-IE-89-09-28	What Marketing Strategies Make Sense for Utilities	Davis, T.	Link
ESL-IE-89-09-29	Ozone Treatment of Industrial Cooling Water Systems	Sellers, R.; Green, L.	Link
ESL-IE-89-09-30	Steam in Distribution and Use: Steam Quality Redefined	Deacon, W.	Link
ESL-IE-89-09-31	Steam Quality	Johnston, W.	Link
ESL-IE-89-09-32	Improve Boiler System Operations- Application of Statistical Process Control	Scarr, D.; Shea, D.	Link
ESL-IE-89-09-33	Evaluating Benefits with Independent and Cogenerated Power Production	Ahner, D.	Link
ESL-IE-89-09-34	Where is the Cogeneration Business Going?	Gilbert, J.	Link
ESL-IE-89-09-35	The Cogeneration Plant- Meeting Long-Term Objectives	Greenwood, R.	Link
ESL-IE-89-09-36	Computer Techniques for Cogeneration Plant Design and Testing	Stewart, J.	Link
ESL-IE-89-09-37	Firing Excess Refinery Butane in Peaking Gas Turbines	Pavone, T.; Schreiber, H.; Zwillenberg, M.	Link
ESL-IE-89-09-38	Using Electronic Adjustable Speed Drives for Efficiency Improvement and Cost Reduction	Friedman, N.	Link
ESL-IE-89-09-39	High Efficiency Fans and High Efficiency Electrical Motors	Breedlove, C.	Link
ESL-IE-89-09-40	Evaluating Transformer Losses	Grun, Jr.; R.	Link
ESL-IE-89-09-41	Real-Time Pricing of Electricity: An Assessment	Baughman, M.; Zarnikau, J.	Link
ESL-IE-89-09-42	Qualifying Facility Wheeling Task Force--Status Report	Panjavan, S.	Link
ESL-IE-89-09-43	An Assessment of the Technical Feasibility of Cogenerator Participation in the ERCOT Broker and Economy Programs	Bracheen, L.	Link
ESL-IE-89-09-44	Optimal State Electric Supply in Texas--Overview and Progress	Moore, B.	Link
ESL-IE-89-09-45	Production Cost Modeling of Cogenerators in an Interconnected Electric Supply System	Ragsdale, K.	Link
ESL-IE-89-09-46	'Rest' Creates Momentum	Cox, D.	Link
ESL-IE-89-09-47	Waste Minimization--The Challenge of the '90s	Durham, R.	Link
ESL-IE-89-09-48	Waste Minimization--A Hidden Energy Savings?	Good, R.; Hunt, K.	Link
ESL-IE-89-09-49	Establishing and Implementing a Waste Minimization Program in the Chemical and Oil Industries	Hollod, G.; Marton, R.	Link
ESL-IE-89-09-50	Don't Worry... Be Happy--The Music Man's Approach to Selling Energy Management	Gilbert, S.	Link
ESL-IE-89-09-51	Industry/Utility Interface Panel Introduction	Wright, R.	Link
ESL-IE-89-09-52	The Evolution of an Industrial Marketing Program	Breeden, K.	Link
ESL-IE-89-09-53	No Company Is An Island	Maddox, A.	Link
ESL-IE-89-09-54	Innovative Ratemaking--A Competitive Necessity	Harger, D.	Link
ESL-IE-89-09-55	Utility and Industrial Partnerships	Sashihara, T.	Link
ESL-IE-89-09-56	Building a Positive Base for Industry/Utility Interaction	Stauffer, J.	Link
ESL-IE-89-09-57	The 'Pinch Analysis:' Special Cases	Bitowft, B.; Tripathi, P.	Link
ESL-IE-89-09-58	Optimizing the Utility System of a Tissue Paper Mill Using Pinch Technology	Kumana, J.; Sung, R.	Link
ESL-IE-89-09-59	Impact of Utility Costs on the Economics of Energy Cost Reduction and Conservation Technologies	Ranadeand, S.; Chao, Y.	Link
ESL-IE-89-09-60	Pinch Retrofits Provide Cost-Effective Plant Upgrading Potential	Rossiter, A.; Spriggs, H.; McMullan, A.	Link
ESL-IE-89-09-61	Making Use of Pinch: A Contractors Experience	Morgan, S.; Parker, S.	Link
ESL-IE-89-09-62	O.G.&E's Power Quality Program	David, M.	Link
ESL-IE-89-09-63	Electric Power Reliability in Chemical Plants	Cross, M.	Link
ESL-IE-89-09-64	Power Quality Implications	Hilson, D.	Link
ESL-IE-89-09-65	An Overview of Computer Power Conditioning for JSC Facilities	Gieck, W.	Link
ESL-IE-89-09-66	Power Quality from the Manufacturer's Standpoint	McEachern, A.	Link

ESL-IE-89-09-67	State-of-the-Art Thermal Energy Storage Retrofit at a Large Manufacturing Facility	Fiorino, D.	Link
ESL-IE-89-09-68	Improving Deaerator Performance	Dyer, D.; Maples, F.	Link
ESL-IE-89-09-69	Heat Exchanger Fouling-Prediction, Measurement, and Mitigation	Peterson, G.	Link
ESL-IE-89-09-70	Innovative and Progressive Electric Utility Demand-Side Management Strategies	Epstein, G.; Fuller, W.	Link
ESL-PA-89-10-01	Whole-Campus Performance Analysis Methods: Early Results from Studies at the Princeton Campus, Proceedings of the 6th Annual Symposium on Improving Building Systems in Hot and Humid Climates, October 3-4, Dallas, TX, pp. F2 – F9.	Haberl, J.; Englander, S.; Reynolds, C.; McKay, M.; Nyquist, T.	Link
ESL-PA-89-10-02	Predicting Energy Usage in a Supermarket, Proceedings of the 6th Annual Symposium on Improving Building Systems in Hot and Humid Climates, October 3-4, Dallas, TX, pp. F19 – F27.	Schrock, D. W.; Claridge, D. E.	Link
ESL-PA-89-10-03	Considerations for Energy Efficient Showers in Hot-Humid Climates, Proceedings of the 6th Annual Symposium on Improving Building Systems in Hot and Humid Climates, October 3-4, Dallas, TX, pp. B29 – B33.	Claridge, D. E.; Turner, W. D.	Link
ESL-HH-89-10-01	Residential Slab-On-Grade Heat Transfer in Hot Humid Climates	Clark, E.; Ascolese, M.; Collins, W.	Link
ESL-HH-89-10-02	Ground-Coupled Heat Pump Applications and Case Studies	Braud, H. J.	Link
ESL-HH-89-10-03	Tracer Gas as a Practical Field Diagnostic Tool for Assessing Duct System Leaks	Cummings, J. B.	Link
ESL-HH-89-10-04	MAD-AIR	Tooley, J. J.; Moyer, N. A.	Link
ESL-HH-89-10-05	Mechanical Air Distribution and Interacting Relationships	Tooley, J. J.; Moyer, N. A.	Link
ESL-HH-89-10-06	Southern Mildew Problems: Weather and Psychrometrics	Peart, V.	Link
ESL-HH-89-10-07	Advanced Open-Cycle Desiccant Cooling System	Ko, Y. J.; Charoensupaya, D.; Lavan, Z.	Link
ESL-HH-89-10-08	Independent Control of Sensible and Latent Cooling in Small Buildings	Andrews, J.; Lamontagne, J.; Piraino, M.	Link
ESL-HH-89-10-09	Considerations for Energy Efficient Showers in Hot-Humid Climates, <i>Proceedings of the 6th Annual Symposium on Improving Building Systems in Hot and Humid Climates</i> , October 3-4, Dallas, TX, pp. B29 – B33.	Claridge, D. E.; Turner, W. D.	Link
ESL-HH-89-10-10	Water-to-Air Heat Pump Performance with Lakewater	Kavanaugh, S.; Pezent, M. C.	Link
ESL-HH-89-10-11	Electric, Gas, and Electric/Gas Energy Options for Cold-Air HVAC Systems	Meckler, G.	Link
ESL-HH-89-10-12	Construction of a Demand Side Plant with Thermal Energy Storage	Michel, M.	Link
ESL-HH-89-10-13	Office Building Uses Ice Storage, Heat Recovery, and Cold-Air Distribution	Tackett, R. K.	Link
ESL-HH-89-10-14	Strategies Used to Achieve Energy Savings for Marshall ISD	Jones, W. E.	Link
ESL-HH-89-10-15	Energy Management Retrofit for Arlington Independent School District	Nooner, D.	Link
ESL-HH-89-10-16	Energy Conservation Measures at an Automotive Instructional Facility	Godsey, F. W.	Link
ESL-HH-89-10-17	Use of Metering for Facility and Whole Building Energy Analysis by the U.S. Department of Energy Federal Energy Management Program	Devine, K. D.; Mazzucchi, R. P.	Link
ESL-HH-89-10-18	Whole-Campus Performance Analysis Methods: Early Results from Studies at the Princeton Campus, <i>Proceedings of the 6th Annual Symposium on Improving Building Systems in Hot and Humid Climates</i> , October 3-4, Dallas, TX, pp. F2 – F9.	Haberl, J.; Englander, S.; Reynolds, C.; McKay, M.; Nyquist, T.	Link
ESL-HH-89-10-19	Guidelines for Energy Cost Savings Resulting from Tracking and Monitoring Electrical and Natural Gas Usage, Cost, and Rates	McClure, J. D.; Estes, M. C.; Estes, J. M.	Link
ESL-HH-89-10-20	Predicting Energy Usage in a Supermarket, <i>Proceedings of the 6th Annual Symposium on Improving Building Systems in Hot and Humid Climates</i> , October 3-4, Dallas, TX, pp. F19 – F27.	Schrock, D. W.; Claridge, D. E.	Link
ESL-HH-89-10-21	Updating Texas Energy Cost Containment Audit Reports, <i>Proceedings of the 6th Annual Symposium on Improving Building Systems in Hot and Humid Climates</i> , October 3-4, Dallas, TX.	Burke, T. E.; Heffington, W. M.	Link
ESL-HH-89-10-22	An Evaluation of Georgia's Institutional Conservation Program Preliminary Report - June 1989	Brown, M. L.; Downing, C.	Link
ESL-HH-89-10-23	Don't Worry...Be Happy, The Music Man's Approach to Selling Industrial Energy Management	Gilbert, S. M.	Link
ESL-HH-89-10-24	The Effect of Reflectors and Delamping Upon Light Levels	Pashkevich, P. A.	Link
ESL-TH-89-12-01	Predicting Energy Usage in a Supermarket, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Schrock, D.	Link
ESL-TH-89-12-02	A Study of the Transient Behavior During Start-up of Residential Heat Pumps, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i>	Katipamula, Srinivas	Link
ESL-TR-89-12-01	Texas LoanSTAR Monitoring and Analysis Program Draft Plan, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i>	Claridge, D. E.; Haberl, J.; Heffington, W. M.; O'Neal, D. L.; Turner, W. D.; Etheredge, R.; Glass, M.	Link
ESL-PA-90-01-01	A Comparison of Orifice and TXV Control Characteristics During the Reverse-Cycle Defrost, <i>ASHRAE Transactions</i> , Vol. 96, Pt. 1	O'Neal, D. L.; Peterson, K.	Link
ESL-PA-90-02-02	Two-Dimensional Heat Transfer from Earth-Sheltered Buildings, <i>Journal of Solar Energy Engineering, ASME Transactions</i> , Feb 1990, Vol. 112, pp. 44–50	Krarti, M.; Claridge, D. E.	Link
ESL-PA-90-03-01	The Effect of Improper Refrigerant Charging on the Performance of an Air Conditioner with Capillary Tube Expansion, <i>Energy and Buildings</i> , 1990, Vol. 14, Issue 4, pp. 363–371	O'Neal, D. L.; Farzad, M.	Link
ESL-PA-90-05-02	The Measured Energy Impact of Infiltration in a Test Cell, <i>Journal of Solar Energy Engineering, ASME Transactions</i> May 1990, Vol. 112, pp. 132 – 139	Claridge, D. E.; Bhattacharyya, S.	Link
ESL-PA-90-05-03	The Princeton Boiler Plant Electronic Logbook Project, <i>Proceedings of the ACEEE 1990 Summer Study on Energy Efficiency in Buildings</i> , Vol. 3, pp. 3.91 – 3.93	Englander, S. L.; Reynolds, C. L.; Haberl, J.	Link
ESL-IE-90-06-01	Electrical Energy and the Environment	Parate, N. S.	Link
ESL-IE-90-06-02	EPC Firms Expand Their Role	Hernandez, L. A.; Jr.	Link
ESL-IE-90-06-04	NUGs and IPPs: The Utility - Customer Relationship	Gilbert, J. S.	Link
ESL-IE-90-06-05	Investigation of Sulfur Removal by Direct Limestone Injection	Colaluca, M. A.; Maloney, D. J.	Link
ESL-IE-90-06-06	Examples of Process Modifications That Reduce Waste	Nelson, K. E.	Link
ESL-IE-90-06-07	The Waste Prevention War - Small Arms Fire Now, but the Heavy Artillery is Coming (and the Search is on for Magic Bullets)	Steinmeyer, D.	Link
ESL-IE-90-06-08	Ethylene Market Activity in the 1990's	Field, S.; McCormack, G.	Link
ESL-IE-90-06-09	Feedstock Economics for Global Steam Crackers	McCormack, G.; Pavone, T.	Link
ESL-IE-90-06-10	Regional Production Economics for Ethylene and Propylene Derivatives	McCormack, G.; Pavone, T.	Link
ESL-IE-90-06-11	Brayton Cycle Heat Pump for VOC Control	Kovach, J. L.	Link
ESL-IE-90-06-12	Electrically Heated High Temperature Incineration of Air Toxics	Agardy, F. J.; Wilcox, J. B.	Link
ESL-IE-90-06-13	Electrotechnologies and Industrial Pollution Control	Schmidt, P. S.	Link
ESL-IE-90-06-14	Fuel Switching Strategies for the 1990's	Cascone, R.	Link
ESL-IE-90-06-15	Understanding and Evaluating Extended Surfaces	Ganapathy, V.	Link
ESL-IE-90-06-16	Pinch Application - A Heat Pump Study in a Food Plant	Chao, Y. T.; Tripathi, P.	Link
ESL-IE-90-06-17	Heat Pump Application - An Industrial Case Study	Shukla, D.; Umoh, R.	Link
ESL-IE-90-06-18	Variables Influencing HRSG Designs	Ganapathy, V.; Rentz, J.	Link

ESL-IE-90-06-19	New Clean Coal Cycle Optimized Using Pinch Technology	Rossiter, A. P.; O'Donnell, J. J.	Link
ESL-IE-90-06-20	Cogeneration	Jenkins, S. C.	Link
ESL-IE-90-06-21	Refinery Fuel Balancing with Cogeneration	Emanuel, D.; Passman, K. W.; Taylor, R. I.; Williams, D. E.	Link
ESL-IE-90-06-22	Gas Turbine Considerations in the Pulp and Paper Industry	Anderson, J. S.; Kovacic, J. M.	Link
ESL-IE-90-06-23	Gas Turbine Emissions	Frederick, J. D.	Link
ESL-IE-90-06-24	On Line Power Plant Performance Monitoring	Ahner, D. J.; Priestley, R. R.	Link
ESL-IE-90-06-25	Utility Demand Side Management- DSM Lessons: Experience is the Toughest Teacher	Gilbert, S. M.	Link
ESL-IE-90-06-26	Industrial Retrofits are Possible	Stobart, E. W.	Link
ESL-IE-90-06-27	Optimizing Cooling Tower Performance- Refrigeration Systems, Chemical Plants, and Power Plants All Have a Resource Quietly Awaiting Exploitation - Cold Water!!	Burger, R.	Link
ESL-IE-90-06-28	Alternate Cooling Methods for Industrial Plants	Brown, M.; Moore, D.	Link
ESL-IE-90-06-29	The Industry/Utility Interface - An Overview	Hamilton, D. E.	Link
ESL-IE-90-06-30	Industrial-Utility Cooperation: Moving Into Strategic Alliance	Gilbert, J. S.	Link
ESL-IE-90-06-31	The Public Utility and Industry: A Customer-Supplier Relationship for Long-Term Survival	Janson, J. R.	Link
ESL-IE-90-06-32	Partners for Progress- A Utility Perspective	Pierce, C. S.	Link
ESL-IE-90-06-33	Electric Utility Environmental Issues in the 1990's	Smith, J. R.	Link
ESL-IE-90-06-34	Clean Air Act Amendments of 1990	Hanneschlager, R.E.	Link
ESL-IE-90-06-35	Southern California Edison's (SCE) Research Program for Industrial Volatile Organic Compound (VOC) Emissions Control	Sung, R. D.; Cascone, R.; Reese, J.	Link
ESL-TR-90-07-01	Texas LoanSTAR Monitoring and Analysis Program Progress Report	Britton, A. J.; Heffington, W. M.; Nutter, D. W.	Link
ESL-PA-90-08-02	An Evaluation of Institutional Energy Audits Performed for the Texas LoanSTAR Program, <i>Proceedings of the ACEEE 1990 Summer Study on Energy Efficiency in Buildings</i> , Vol. 6, pp. 6.43-6.45.	Haberl, J.; Doruk, Z. B.; Heffington, W. M.	Link
ESL-PA-90-08-03	Improving Energy Audits: How Annual and Monthly Consumption Data Can Help, <i>ASHRAE Journal 1990 (Part 1 of 2)</i> , Vol. 32, No. 8, pp. 26-33.	Haberl, J.; Komor, P. S.	Link
ESL-TH-90-08-01	Development of Improvements to the ASHRAE TC4.7 Simplified Energy Analysis Procedure, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Balasubramanya, R.	Link
ESL-TH-90-08-04	Modeling the Effects of Refrigerant Charging on Air Conditioner Performance Characteristics for Three Expansion Devices, <i>Doctoral Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Farzad, M.	Link
ESL-PA-90-09-01	Improving Energy Audits: How Daily and Hourly Consumption Data Can Help, <i>ASHRAE Journal 1990 Pt. 2</i> , Vol. 32, No. 9, pp. 26-36.	Haberl, J.; Komor, P. S.	Link
ESL-PA-90-10-01	Overview of the Texas LoanSTAR Monitoring Program, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 28-34.	Turner, W.D.	Link
ESL-PA-90-10-02	LoanSTAR Energy Conservation Audits: January 1989-August 1990, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 35-40.	Nutter, D. W.; Britton, A. J.; Muraya, N. K.; Heffington, W. M.	Link
ESL-PA-90-10-03	Metering and Calibration in LoanSTAR Buildings, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 41-46	O'Neal, D. L.; Bryant, J. A.; Turner, W. D.; Glass, M. G.	Link
ESL-PA-90-10-04	The Texas LoanSTAR Program: Acquiring and Archiving LoanSTAR Data, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 47-52.	Haberl, J.; Katipamula, S.; Willis, E. D.; Weber, K.; Matson, J.; Rayaprolu, M.; Subramanian, U.	Link
ESL-PA-90-10-05	Analysis of Texas LoanSTAR Data, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 53-60.	Claridge, D. E.; Haberl, J.; Katipamula, S.; O'Neal, D. L.; Ruch, D.; Chen, L.; Heneghan, T.; Hinchey, S.; Kissock, J. K.; Wang, J.	Link
ESL-HH-90-10-01	Conducting Successful Programs to Increase the Energy-Efficiency of Manufactured Housing	Lee, A. D.; Riewer, S. M.; Volke, S. M.	Link
ESL-HH-90-10-02	Using Mentor, an Expert System, to Perform Preventative Maintenance and Diagnostics on Centrifugal Chillers	Culp, C.; Mills, R.	Link
ESL-HH-90-10-03	Development of Diagnostic Rules for a Dry Bulb Economizer Mixed Air Loop	Underwood, D.	Link
ESL-HH-90-10-04	The Potential of Energy Management and Control Systems for Real-Time Electricity Pricing Programs	Akbari, H.; Heinemeier, K. E.	Link
ESL-HH-90-10-05	Overview of the Texas LoanSTAR Monitoring Program, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 28-34.	Turner, W. D.	Link
ESL-HH-90-10-06	LoanSTAR Energy Conservation Audits: January 1989-August 1990, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 35-40.	Nutter, D. W.; Britton, A. J.; Muraya, N. K.; Heffington, W. M.	Link
ESL-HH-90-10-07	Metering and Calibration in LoanSTAR Buildings, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 41-46	O'Neal, D. L.; Bryant, J. A.; Turner, W. D.; Glass, M. G.	Link
ESL-HH-90-10-08	The Texas LoanSTAR Program: Acquiring and Archiving LoanSTAR Data, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 47-52.	Haberl, J.; Katipamula, S.; Willis, E. D.; Weber, K.; Matson, J.; Rayaprolu, M.; Subramanian, U.	Link
ESL-HH-90-10-09	Analysis of Texas LoanSTAR Data, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 53-60.	Claridge, D. E.; Haberl, J.; Katipamula, S.; O'Neal, D. L.; Ruch, D.; Chen, L.; Heneghan, T.; Hinchey, S.; Kissock, J. K.; Wang, J.	Link
ESL-HH-90-10-10	Building Envelope Design/Retrofit Utilizing Fresnel Type Overhangs in Hot Climates	Ryan, B. J.; Griffith, J. W.	Link
ESL-HH-90-10-11	Operation & Maintenance for Quality Indoor Air	Downing, C.; Bayer, C. W.	Link
ESL-HH-90-10-12	Small Sample Radon Testing of Homes in East Texas	Crawford, J. G.	Link
ESL-HH-90-10-13	Indoor Air Quality Observations in Public Schools	McClure, J. D.; Estes, J. M.	Link
ESL-HH-90-10-14	Case Study: Sick Building Syndrome in a Humid Climate	Shaughnessy, R. J.; Levettin, E.	Link
ESL-HH-90-10-15	Conductive Thermal Interaction in Evaporative Cooling Process	Kim, B. S.; Degelman, L. O.	Link
ESL-HH-90-10-16	Infiltration Testing of Homes in the Houston Gulf Coast Area	Howel, E. S.	Link
ESL-HH-90-10-17	Air Exchange Rates in New Energy-Efficient Manufactured Housing	Hadley, D. L.; Bailey, S. A.	Link

ESL-HH-90-10-18	Personal Computer-Based Model for Cool Storage Performance Simulation	Kasprowicz, L. M.; Jones, J. W.; Hitzfelder, J.	Link
ESL-HH-90-10-19	Low Temperature Air Distribution with Ice Storage System: A Case Study	Ash, A.	Link
ESL-HH-90-10-20	Duct Leakage Impacts on Airtightness, Infiltration, and Peak Electrical Demand in Florida Homes	Cummings, J. B.; Tooley, J. J.; Moyer, N.	Link
ESL-HH-90-10-21	Model Code for the Control of Residential HVAC Distribution System Leakage and HVAC-Induced Building Leakage	Wemhoff, P.	Link
ESL-HH-90-10-22	A Comparison of Open Versus Closed Systems in Thermal Storage Applications	Salbodkin, A.	Link
ESL-HH-90-10-23	Thermal Storage with Conventional Cooling Systems	McGee, E. E.	Link
ESL-HH-90-10-24	Selecting Thermal Storage Systems for Schools	Maxwell, C. L.	Link
ESL-HH-90-10-25	Fundamental Desiccants	Krebs, M. E.	Link
ESL-HH-90-10-26	Waste to Energy and Absorption Chiller: A Case Study	Wolpert, J.	Link
ESL-HH-90-10-27	Improving Gas-Fired Heat Pump Capacity and Performance by Adding a Desiccant Dehumidification Subsystem	Parsons, B. K.; Pesaran, A. A.; Bharathan, D.; Shelpuk, B. C.	Link
ESL-PA-90-11-01	ITPE Technique Applications to Time-Varying Three-Dimensional Ground-Coupling Problems, <i>Journal of Heat Transfer</i> 1990, Vol. 112, pp. 849 – 856.	Krarti, M.; Claridge, D. E.; Kreider, J. F.	Link
ESL-PA-90-12-01	The Impact of AI Technology Within the HVAC Industry, <i>ASHRAE Journal</i> , December 1990, Vol. 32, No. 12, pp. 12 – 22	Culp, C.; Haberl, J.; Norford, L.; Brothers, P.; Hall, J. D.	Link
ESL-TR-90-12-02	Improved Analysis Methods for Retrofit Savings and Energy Accounting (ERAP #227), <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Claridge, D. E.; Haberl, J.; Kiskoock, J. K.; Ruch, D.; Katipamula, S.; Chen, L.; Wang, J.	Link
ESL-TR-91-01-01	Texas LoanSTAR Monitoring and Analysis Program—Monitoring Advisory and Review Committee (January 1991), <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Turner, W. D.; Heffington, W. M.; Bryant, J.; Haberl, J.; Willis, E. D.; Sparks, R. J.; López, R. E.; Claridge, D. E.	Link
ESL-PA-91-01-02	Effect of Short-Tube Orifice Size on the Performance of an Air Source Heat Pump During the Reverse-Cycle Defrost, <i>International Journal of Refrigeration</i> , January 1991, Vol. 14, Issue 1, pp. 52 – 57	O'Neal, D. L.; Peterson, K.; Anand, N. K.	Link
ESL-PA-91-03-04	A Methodology to Identify Diurnal Load Shapes for Non-Weather Dependent Electric End-Uses, <i>ASME Solar Engineering</i> 1991, pp. 457 – 467.	Katipamula, S.; Haberl, J.	Link
ESL-PA-91-03-05	A Change-Point Principal Component Analysis (CP/PCA) Method for Predicting Energy Usage in Commercial Buildings: The PCA Model, <i>Solar Engineering 1991: Proceedings of the ASME-JSES-JSME International Solar Energy Conference</i> , Reno, Nevada, March 1991, pp. 441 – 448.	Ruch, D.; Chen, L.; Haberl, J.; Claridge, D. E.	Link
ESL-TR-91-03-01	Prairie View A&M University Whole Campus Energy Analysis, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Haberl, J.; Claridge, D. E.; Turner, W. D.	Link
ESL-TR-91-03-05	Use of Energy Management and Control Systems for Performance Monitoring of Retrofit Projects: Preliminary Engineering Survey, USDOE Forrestal Building and Germantown Facility, <i>USDOE Office of Conservation and Energy, Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Claridge, D. E.; Haberl, J.; Bryant, J.; Poyner, B.; McBride, J.	Link
ESL-PA-91-04-01	Exploring an Integrated Data Base Structure for Building Energy Monitoring Data, <i>Proceedings of the IBPSA Building Simulation 1991 Conference</i> , Nice, FR, pp. 587 – 591.	Haberl, J.; Jagannathan, V.; López, R. E.; Sparks, R. J.; Kiskoock, J. K.; Willis, E. D.; Claridge, D. E.	Link
ESL-TH-91-05-02	An Experimental and Analytical Study of the Transient Behavior of Vertical U-Tube Ground-Coupled Heat Pumps in the Cooling Mode, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Dobson, M. K.	Link
ESL-TH-91-05-03	The Measured Energy Impact of Air Leakage on Frame Wall Systems, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Bhattacharyya, S.	Link
ESL-TH-91-05-04	Developing a Change-Point Principal Component Predictive Model for Energy Use in a Supermarket, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Chen, L.	Link
ESL-PA-91-06-01	Performance Degradation During On-Off Cycling of Single-Speed Air Conditioners and Heat Pumps: Model Development and Analysis, <i>ASHRAE Transactions</i> 1991, Vol. 97, pp. 316 – 323.	Katipamula, S.; O'Neal, D. L.	Link
ESL-PA-91-06-02	Performance Degradation During On-Off Cycling of Single-Speed Heat Pumps Operating in the Cooling Mode: Experimental Results, <i>ASHRAE Transactions</i> 1991, Vol. 97, Pt. 2, pp. 331 – 339.	Katipamula, S.; O'Neal, D. L.	Link
ESL-IE-91-06-01	Turbine Steam Path Audits for Improved Performance and Profitability	Babson, P.	Link
ESL-IE-91-06-02	Automatic Tube Cleaning Systems for Condensers and Heat Exchangers	Someah, K.	Link
ESL-IE-91-06-03	Process Integration Study of a Food Plant	Chao, P.; Tripathi, P.	Link
ESL-IE-91-06-04	Optimum Temperature Difference and Pressure Drop in Heat Exchangers	Steinmeyer, D.	Link
ESL-IE-91-06-05	A Fluidized Bed Chiller: A New Approach in Making Slush-Ice	Klaren, D.; van der Meer, J.	Link
ESL-IE-91-06-06	Retrofit for Plastic Resin Driers	Joseph, B.; Thuro, G.	Link
ESL-IE-91-06-07	Process Design and Operation for Energy Efficiency	Rossiter, A.; Nath, R.; Yell, M.	Link
ESL-IE-91-06-08	Combined Thermal and Power Energy Management Optimization	Ahner, D.; Priestley, R.	Link
ESL-IE-91-06-09	Solid-Vapor Sorption Refrigeration Systems	Graebel, W.; Kirol, L.	Link
ESL-IE-91-06-10	Refrigerants in Transition	Stouppe, D.	Link
ESL-IE-91-06-11	An Evaluation of Thermal Storage at Two Industrial Plants	Brown, M.; Gurta, M.	Link
ESL-IE-91-06-12	Cooling Towers--Energy Conservation Strategies Understanding Cooling Towers	Smith, M.	Link
ESL-IE-91-06-13	Optimizing Cooling Tower Performance Refrigeration Systems, Chemical Plants, and Power Plants All Have A Resource Quietly Awaiting Exploitation--Cold Water!!	Burger, R.	Link
ESL-IE-91-06-14	Cooling Towers--Energy Conservation Strategies	Matson, J.	Link
ESL-IE-91-06-15	Cooling Tower Energy Conservation Strategies Preservative Spray Treatment Maintains Cooling Tower	Dickerson, J.	Link
ESL-IE-91-06-16	Cooling Towers--Energy Conservation Strategies Preservative Spray Treatment Maintains Cooling Tower	Reidenback, R.	Link
ESL-IE-91-06-17	Evaluating the DSM Potential for Industrial Electrotechnologies and Management Practices	Pavone, A.; Harrell, P.	Link
ESL-IE-91-06-18	Real-Time Pricing - A Flexible Alternative for Electrical Power Supply	Reynolds, S.; Frye, Jr.; A.	Link
ESL-IE-91-06-19	Analysis Methodology for Industrial Load Profiles	Reddoch, T.	Link
ESL-IE-91-06-20	Evaluating Utility System Operations Using APLUS	Pette, S.; Singh, R.	Link
ESL-IE-91-06-21	Electrical Cost Reduction Via Steam Turbine Cogeneration	Di Tullio, L.; Ewing, T.	Link
ESL-IE-91-06-22	Separations-Energy-Environment, A Dynamic Relationship	Bravo, J.	Link
ESL-IE-91-06-23	New Energy Efficient Method for Cleaning Oilfield Brines with Carbon Dioxide	Little, C.; Seibert, A.; Fair, J.; Bravo, J.	Link
ESL-IE-91-06-24	Improving the Performance of a Two-Shell Column with Advanced Control	Morrison, T.; Laflamme, D.	Link

ESL-IE-91-06-25	Treatment of Organic-Contaminated Wastewater by Pervaporation	Wijmans, J.; Kaschemekat, J.; Baker, R.; Simmons, V.	Link
ESL-IE-91-06-26	Industry-Utility Collaborative Efforts to Address Environmental Concerns--Dispatching for Localized NOx Reduction	Hamilton, D.; Helmick, R.; Lambert, W.	Link
ESL-IE-91-06-27	Waste Heat Doesn't Have to be a Waste of Money--The American & Efird Heat Recovery Project: A First for the Textile Industry	Smith, S.	Link
ESL-IE-91-06-28	Operation of a Joint Utility/Industry Ambient Air Monitoring Program in the Houston Area	Kush, J.	Link
ESL-IE-91-06-29	Cooperative Efforts to Introduce New Environmental Control Technologies to Industry--A Case Study for Brayton Cycle Heat Pump Technology	Enneking, J.	Link
ESL-IE-91-06-30	Mitigating Pollution Concerns Through Process Integration Technology Steps	Tripathi, P.; Shukla, D.; Smith, S.	Link
ESL-IE-91-06-31	Case History of Reapplication of a 2500 KW Steam Turbine/Gear Drive Generator	Smith, S.	Link
ESL-IE-91-06-32	Development of Inexpensive Turbo Compressor/Expanders for Industrial Use	Jacox, J.	Link
ESL-IE-91-06-33	Protective Coatings for Turbomachinery	McCune, B.; Hilty, L.	Link
ESL-PA-91-08-01	Improving Energy Conservation Retrofits with Measured Savings, <i>ASHRAE Journal</i> , October, No. 10, pp. 14 – 22	Claridge, D. E.; Haberl, J.; Turner, W. D.; O'Neal, D. L.; Heffington, W. M.; Tombari, C.; Roberts, M.; Jaeger, S.	Link
ESL-TH-91-08-01	Influence of Thermal Zone Assumptions on DOE-2 Energy Use Estimations of a Commercial Building, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Hinchey, S.	Link
ESL-TR-91-08-01	Texas LoanSTAR Monitoring and Analysis Program: Report to the Monitoring Advisory and Review Committee, August 1991 (Volume I), <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i>	Turner, W. D.; Claridge, D. E.; Athar, A.; Kissock, J. K.; Reddy, T. A.; Ruch, D.; Haberl, J.; Katipamula, S.; Willis, E. D.; López, R. E.; Sparks, R. J.; Bryant, J.; O'Neal, D. L.; Heffington, W. M.; Brown, M.	Link
ESL-TR-91-08-02	Texas LoanSTAR Monitoring and Analysis Program: Report to the Monitoring Advisory and Review Committee, August 1991 (Volume II), <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i>	Turner, W. D.; Claridge, D. E.; Athar, A.; Kissock, J. K.; Reddy, T. A.; Ruch, D.; Haberl, J.; Katipamula, S.; Willis, E. D.; López, R. E.; Sparks, R. J.; Bryant, J.; O'Neal, D. L.; Heffington, W. M.; Brown, M.	Link
ESL-TR-91-09-02	Use of Energy Management and Control Systems for Performance Monitoring of Retrofit Projects: Final Summary Report for the USDOE Office of Conservation and Energy, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> (final revision March 1993)	Claridge, D. E.; Haberl, J.; Sparks, R. J.; Bryant, J.; Belur, R.; Poyner, B.; Akbari, H.; Heinemeier, K.; Lippman, R.; McBride, J.	Link
ESL-PA-91-11-01	System Performance Characteristics of an Air Conditioner over a Range of Charging Conditions, <i>International Journal of Refrigeration</i> , November 1991, Vol. 14, Issue 6, pp. 321 – 328	Farzad, M.; O'Neal, D. L.	Link
ESL-PA-91-11-02	Frosting Performance of Tube Fin Heat Exchangers with Wavy and Corrugated Fins, <i>Experimental Thermal and Fluid Science</i> , September 1991, Vol. 4, Issue 5, pp. 613 – 618.	Kondepudi, S. N.; O'Neal, D. L.	Link
ESL-PA-91-11-03	Transient Dehumidification Characteristics of a Heat Pump in Cooling Mode, <i>Journal of Solar Energy Engineering, ASME Transactions</i> , Vol. 113, November, pp. 264 – 271.	Katipamula, S.; O'Neal, D. L.	Link
ESL-PA-91-11-09	Testing Data Acquisition Systems for Use in HVAC System Monitoring, <i>Journal of Solar Energy Engineering, ASME Transactions</i> , Vol. 1, pp. 325 – 328.	Sparks, R. J.; Haberl, J. S.; Bhattacharya, S.; Rayaprolu, M.; Wang, J.; Vadlamani, S.	Link
ESL-TH-91-12-01	Influence of Dust on the Emissivity of Radiant Barriers, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Noboa, H. L.	Link
ESL-TH-91-12-04	Analysis and Optimized Design of Airlocks for Fluidized Bed Gasifier Fuel Feed Systems, <i>Masters of Engineering, College of Engineering, Texas A&M University</i> .	Nuboer, B.	Link
ESL-TR-91-12-02	Simulation of the Post-Retrofit Thermal Energy Use for the Perry-Castaneda Library Building with the Use of Simplified System Models, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Katipamula, S.; Claridge, D. E.	Link
ESL-TR-91-12-03	Simulation of the Post-Retrofit Thermal Energy Use for the University Teaching Center (UTC) Building with the Use of Simplified System Models, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Katipamula, S.; Claridge, D. E.	Link
ESL-PA-92-01-01	Comparing Monitoring Protocols for Energy Retrofits, <i>ASHRAE Transactions</i> , 1992, Vol. 98, Pt. 1, pp. 1081 – 1096	Haberl, J.; Athar, A.; Abbas, M.; Claridge, D. E.	Link
ESL-PA-92-01-02	Monitored Commercial Building Energy Data: Reporting the Results, <i>ASHRAE Transactions</i> , 1992, Vol. 98, Pt. 1, pp. 881 – 889	Claridge, D. E.; Haberl, J.; Sparks, R. J.; López, R. E.; Kissock, J. K.	Link
ESL-PA-92-01-03	A Procedure for Calibrating the DOE-2 Simulation Program to Non-Weather Dependent Measured Loads, <i>ASHRAE Transactions</i> , 1992, Vol. 98, Pt. 1, pp. 636 – 652	Bronson, D. J.; Hinchey, S. B.; Haberl, J.; O'Neal, D. L.	Link
ESL-PA-92-02-01	The Effect of Void Fraction Model on Estimation of Air Conditioner System Performance Variables under a Range of Refrigerant Charging Conditions, <i>International Journal of Refrigeration</i> , 1994, Vol. 17, No. 2, pp. 85 – 93	Farzad, M.; O'Neal, D. L.	Link
ESL-PA-92-02-02	Graphical Tools to Help Calibrate the DOE-2 Simulation Program to Measured Loads, <i>The DOE-2 User News</i> , January 1993, Vol. 13, No. 1, pp. 5 – 14	Haberl, J.; Bronson, D.; Hinchey, S.; O'Neal, D. L.; Claridge, D. E.	Link
ESL-PA-92-02-03	Texas LoanSTAR Monitoring & Analysis Program- Characterizing LoanSTAR Buildings and Energy Consumption	Abbas, M.; Ather, A.; Challa, V.; Haberl, J.; Claridge, D. E.	Link
ESL-PA-92-02-04	A Collaborative Support System for the Review of Building Energy Data in the LoanSTAR Monitoring and Analysis Project	Willis, D.; Haberl, J.	Link
ESL-PA-92-02-05	Testing Data Acquisition Systems for Use in Monitoring Building Energy Conservation Systems	Sparks, R.; Haberl, J.; Bhattacharya, S.; Rayaprolu, M.; Wang, J.; Vadlamani, S.	Link

ESL-PA-92-02-06	Texas LoanSTAR Monitoring & Analysis Program Improving the Performance of Retrofits by Providing Operator Feedback from Measured Data	Athar, A.; Abbas, M.; Challa, V.; Haberl, J.; Claridge, D. E.	Link
ESL-PA-92-02-07	A Methodology for Identifying Retrofit Energy Savings in Commercial Buildings	Kissock, K.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-92-02-08	The Effect of Reduced Evaporator Air Flow on the Performance of a Residential Central Air Conditioner	Palani, M.; O'Neal, D.; Haberl, J.	Link
ESL-PA-92-02-09	Calibration of Tangential Paddlewheel Insertion Flowmeters	Robinson, J.; Bryant, J.; Haberl, J.; Turner, D.	Link
ESL-PA-92-02-10	Survey of Energy Use in Grocery Stores	Cox, R. L.; Haberl, J.; Claridge, D. E.	Link
ESL-PA-92-02-11	Data Management in the LoanSTAR Program	Lopez, R.E.; Haberl, J.	Link
ESL-PA-92-02-12	The Measured Energy Impact of Infiltration in an Outdoor Test Cell	Liu, M.; Claridge, D. E.	Link
ESL-PA-92-02-13	The Measured Energy Impact of Infiltration under Dynamic Conditions	Liu, M.; Claridge, D. E.	Link
ESL-PA-92-02-14	The Impact of Residential Air Conditioner Charging and Sizing on Peak Electrical Demand	Neal, L.; O'Neal, D. L.	Link
ESL-PA-92-02-15	Calibration of Relative Humidity Transducers for Use in the Texas LoanSTAR Program	Bryant, J. A.; O'Neal, D. L.	Link
ESL-PA-92-02-16	Building Energy Instrumentation for Determining Retrofit Savings: Thermal and Flow Meter Equipment Selection. <i>Proceedings of the 8th Symposium on Improving Building Systems in Hot and Humid Climates</i> 1992, May 13-14, Dallas, Tx, pp.10	Boecker, C.; Boles, K.; O'Neal, D.; Bryant, J.	Link
ESL-PA-92-02-17	Radiant Barrier Performance during the Heating Season	Medina, M. A.; O'Neal, D. L.; Turner, W. D.	Link
ESL-PA-92-02-18	Radiant Barrier Performance during the Heating Season	Medina, M. A.; O'Neal, D. L.; Turner, W. D.	Link
ESL-PA-92-02-19	LoanSTAR Energy Auditing: Update and Changes	Heffington, W. M.; Ather, A.; Britton, A. J.; Nutter, D. W.	Link
ESL-PA-92-02-20	Disaggregating Cooling Energy Use of Commercial Buildings Into Sensible and Latent Fractions from Whole-Building Monitored Data: Methodology and Advantages	Katipamula, S.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-92-02-21	Statistical Modeling of Daily Energy Consumption in Commercial Buildings Using Multiple Regression and Principal Component Analysis	Wu, J.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-92-02-22	Daylighting Design Tools in Atria for Minimum Cooling Loads in Atrium Buildings	Atif, M. R.; Boyer, L. L.; Degelman, L. O.; Claridge, D. E.	Link
ESL-TR-92-02-23	Prairie View A&M University Whole Campus Energy Report Update, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i>	Haberl, J.; Claridge, D. E.; Turner, W. D.	Link
ESL-PA-92-03-01	Monitored Air Handler Performance and Comparison with a Simplified System Model, <i>ASHRAE Transactions: Symposium 1992</i> , Vol. 98, Pt. 2, pp. 341 – 351	Katipamula, S.; Claridge, D. E.	Link
ESL-TH-92-04-01	Calibrating DOE-2 to Weather and Non-Weather-Dependent Loads for a Commercial Building: Thesis, Vol. 1, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Bronson, John Douglas	Link
ESL-TR-92-04-02	Calibrating DOE-2 to Weather and Non-Weather-Dependent Loads for a Commercial Building: Data Processing Routines to Calibrate a DOE-2 Model, Volume II, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> , Vol. 2, pp. 1277 – 1283	Bronson, J. D.	Link
ESL-PA-92-04-07	Measuring Retrofit Savings for the Texas LoanSTAR Program: Preliminary Methodology and Results, <i>Solar Engineering 1992: Proceedings of the 1992 ASME-JSES-KSES International Solar Energy Conference</i> , Maui, HI, April 5 – 9, Vol. 1, pp. 299 – 308	Kissock, J. K.; Claridge, D. E.; Haberl, J.; Reddy, T. A.	Link
ESL-PA-92-04-12	The Energy Impact on Air Leakage Through Insulated Walls, <i>Solar Engineering 1992: Proceedings of the 1992 ASME-JSES-KSES International Solar Energy Conference</i> , August 1994, Maui, HI, Vol. 1, pp. 451 – 458	Bhattacharyya, S.; Claridge, D. E.	Link
ESL-IE-92-04-01	Measuring and Understanding Energy Efficiency Changes in Manufacturing	French, D.; Carlson, L.; Hall, C.	Link
ESL-IE-92-04-02	EPRI's Industrial Energy Management Program	Mergens, E.; Niday, L.	Link
ESL-IE-92-04-03	The Energy Impact of Industrial Recycling and Waste Exchange	Phillips, W.	Link
ESL-IE-92-04-04	Hoechst Celanese Energy Model	Fitzpatrick, B.; Gangadhar, K.	Link
ESL-IE-92-04-05	Industrial Energy Auditing: An Opportunity for Improving Energy Efficiency and Industrial Competitiveness	Glaser, C.	Link
ESL-IE-92-04-06	A Summary of Utilities' Positions Regarding the Clean Air Act Amendments of 1990	Nalepa, K.	Link
ESL-IE-92-04-07	Natural Gas as a Boiler Fuel of Choice in Texas	Kmetz, W.	Link
ESL-IE-92-04-08	Avoided Costs and Competitive Negotiations for Power from Qualifying Facilities in Texas	Panjanan, S.; Al-Jabir, A.	Link
ESL-IE-92-04-09	Transmission Issues and Power Exchanges in Texas	Hughes, Jr.; H.	Link
ESL-IE-92-04-10	Reliable Gas Turbine Output: Attaining Temperature Independent Performance	Neeley, J.; Patton, S.; Holder, F.	Link
ESL-IE-92-04-11	Ensure Continuous Power to Critical Industrial Processes with the New Super-Conducting Storage Device (SSD™)	DeWinkel, C.; Koeppel, P.	Link
ESL-IE-92-04-12	The Commission Forecast 1992 Report: Important Resource Planning Issues	Adib, P.	Link
ESL-IE-92-04-13	Streamlining the Certification Process for New Power Plants in Texas	Treadway, N.	Link
ESL-IE-92-04-14	Integrated Resource Planning: A Dialogue with ELCON	Treadway, N.; Torrent, G.	Link
ESL-IE-92-04-15	Strategic Rate Design: The Role of Industrial Tariffs	Rosenblum, J.; House, R.	Link
ESL-IE-92-04-16	Industrial Demand-Side Management in Texas	Jaussaund, D.	Link
ESL-IE-92-04-17	Microwaves and Chemistry: The Catalysis of an Exciting Marriage	Wan, J.	Link
ESL-IE-92-04-18	Impulse Drying of Paper: A Review of Recent Research	Orloff, D.	Link
ESL-IE-92-04-19	Volumetric In Situ Electrical Heating: An Unexploited Electrotechnology	Bridges, J.	Link
ESL-IE-92-04-20	Microwave Enhanced Separation of Water-in-Oil Emulsions	Fang, C.; Lai, P.	Link
ESL-IE-92-04-21	Chemical Applications of Electrohydraulic Cavitation for Hazardous Waste Control	Hoffmann, M.	Link
ESL-IE-92-04-22	Membrane Separations Research	Fair, J.	Link
ESL-IE-92-04-23	Two Stage Vapor Compression Heat Pump with Solution Circuits: Catering to Simultaneous Chilling and Water Heating Needs	Rane, M.; Radermacher, R.	Link
ESL-IE-92-04-24	Alternate Fuels: Is Your Waste Stream a Fuel Source?	Coerper, P.	Link
ESL-IE-92-04-25	Styrene Purification and Recovery Using Freeze Crystallization	Heist, J.; Wrobel, P.	Link
ESL-IE-92-04-26	Gas Separation Membrane Use in the Refinery and Petrochemical Industries	Vari, J.	Link
ESL-IE-92-04-27	Energy Efficiency in Cryogenic Fractionation through Distributive Distillation	Carradine, C.; McCue, R.	Link
ESL-IE-92-04-28	Acid/Base Recovery from Sodium Sulfate	Niksa, M.	Link
ESL-IE-92-04-29	Commercial Application of Freeze Crystallization	Gorgol, R.	Link
ESL-IE-92-04-30	Advanced Oxidation Technology for Pulp Mill Effluent	Hart, J.	Link
ESL-IE-92-04-31	Industrial Gases as a Vehicle for Competitiveness	Dale, J.	Link
ESL-IE-92-04-32	Controlling NOx to Obtain Offsets or Meet Compliance	Mincy, J.	Link
ESL-IE-92-04-33	Estimation and Reduction Methodologies for Fugitive Emissions from Equipment	Scataglia, A.	Link
ESL-IE-92-04-34	NOx Dispatching in Plant Utility Systems Using Existing Tools	Nath, R.; Kumana, J.	Link
ESL-IE-92-04-35	Petroleum Coke: A Viable Fuel for Cogeneration	Dymond, R.	Link

ESL-IE-92-04-36	VOC Emission Control with the Brayton Cycle Pilot Plant Operations	Enneking, J.	Link
ESL-IE-92-04-37	Demand Side Management (DSM) through Absorption Refrigeration Systems	Chao, P.; Shuklaand, D.; Amarnath, A.; Mergens, E.	Link
ESL-IE-92-04-38	HL&P/Du Pont Cogeneration Project	Vadie, H.	Link
ESL-IE-92-04-39	A Novel Approach to Determining Motor Load	Brown, M.	Link
ESL-IE-92-04-40	Process Integration Study of a Poultry Processing Plant	Meffert, H.	Link
ESL-IE-92-04-41	Environmental Protection through Energy Efficiency: Catalyzing New Opportunities	Smith, J.; Silbiger, A.	Link
ESL-IE-92-04-42	Specifying Waste Heat Boilers	Ganapathy, V.	Link
ESL-IE-92-04-43	No Chemical, Zero Bleed Cooling Tower Water Treatment Process	Coke, A.	Link
ESL-IE-92-04-44	Steam Path Audits on Industrial Steam Turbines	Mitchell, D.	Link
ESL-IE-92-04-45	Energy Efficiency Improvement by Measurement and Control: A Case Study of Reheating Furnaces in the Steel Industry	Martensson, A.	Link
ESL-IE-92-04-46	Membrane Cells in Chlor Alkali Application	Lesker, K.; Uhde, H.	Link
ESL-IE-92-04-47	Converting Petroleum Coke to Electricity	Pavone, A.	Link
ESL-PA-92-05-01	Exploring an Enhanced Data Viewing Facility for Building Operators, <i>Proceedings of the ACEEE 1992 Summer Study on Energy Efficiency in Buildings</i> , pp. 3.33 – 3.36.	Belur, R.; Kissock, J. K.; Haberl, J.	Link
ESL-PA-92-05-02	Uncertainty Analysis in Estimating Building Energy Retrofit Savings in the LoanSTAR Program, <i>Proceedings of the ACEEE 1992 Summer Study on Energy Efficiency in Buildings</i> , pp. 3.225 – 3.238.	Reddy, T. A.; Kissock, J. K.; Claridge, D. E.	Link
ESL-PA-92-05-03	NAC for Linear and Change-Point Building Energy Models, <i>Proceedings of the ACEEE 1992 Summer Study on Energy Efficiency in Buildings</i> , Vol. 3, pp. 263 – 273.	Ruch, D. K.; Claridge, D. E.	Link
ESL-PA-92-05-04	The Use of a Monthly Whole-Campus Energy Analysis for Evaluating a Third Party Energy Service Agreement, <i>Proceedings of the ACEEE 1992 Summer Study on Energy Efficiency in Buildings</i> , pp. 3.95 – 3.110.	Haberl, J.	Link
ESL-PA-92-05-06	A Four-Parameter Change-Point Model for Predicting Energy Consumption in Commercial Buildings, <i>Journal of Solar Energy Engineering, ASHRAE Transactions</i> , May, Vol. 114, pp. 77 – 83.	Ruch, D.; Claridge, D. E.	Link
ESL-TR-92-05-05	Monitoring the Performance of a Residential Central Air Conditioner under Degraded Conditions on a Test Bench, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Palani, M.; O'Neal, D. L.; Haberl, J.	Link
ESL-HH-92-05-01	Peak Demand Reduction with Dual-Source Heat Pumps Using Municipal Water	Morehouse, J. H.; Khan, J. A.; Connor, L. N.; Pal, D.	Link
ESL-HH-92-05-02	Applications of Commercial Heat Pump Water Heaters in Hot, Humid Climates	Johnson, K. F.; Shedd, P. E.	Link
ESL-HH-92-05-03	Energy Consumption and Demand as Affected by Heat Pumps that Cool, Heat and Heat Domestic Water	Cawley, R.	Link
ESL-HH-92-05-04	The Effect of Reduced Evaporator Air Flow on the Performance of a Residential Central Air Conditioner	Palani, M.; O'Neal, D.; Haberl, J.	Link
ESL-HH-92-05-05	The Use and Benefits of Video Inspection in Lined and Unlined Ductwork in IAQ Surveys and "Source Removal" Cleaning Projects	Kiec, T. M.	Link
ESL-HH-92-05-06	Flywheel Cooling: A Cooling Solution for Non Air-Conditioned Buildings	Abernethy, D.	Link
ESL-HH-92-05-07	Thermal Effects of Moisture in Rigid Insulation Board	Crow, G. W.	Link
ESL-HH-92-05-08	Reduced Energy and Maintenance Costs Using Polyurethane as a Replacement Roof System	Scott, G. D.	Link
ESL-HH-92-05-09	Effects of Radiant Barrier Systems on Ventilated Attics in a Hot and Humid Climate	Medina, M. A.; O'Neal, D. L.; Turner, W. D.	Link
ESL-HH-92-05-10	Radiant Barrier Performance during the Heating Season	Medina, M. A.; O'Neal, D. L.; Turner, W. D.	Link
ESL-HH-92-05-11	Plain Talk About Condensation and Radiation Below Metal Roof Assemblies	Ward, L.	Link
ESL-HH-92-05-12	The Measured Energy Impact of Infiltration in an Outdoor Test Cell	Liu, M.; Claridge, D. E.	Link
ESL-HH-92-05-13	The Measured Energy Impact of Infiltration under Dynamic Conditions	Liu, M.; Claridge, D. E.	Link
ESL-HH-92-05-14	Atmospheric Condensation Potential of Windows in Hot, Humid Climates	El Diasty, R.; Budaiwi, I.	Link
ESL-HH-92-05-15	Turbo-Charged Lighting Design	Clark, W. H.	Link
ESL-HH-92-05-16	Daylighting Design Tools in Atria for Minimum Cooling Loads in Atrium Buildings	Atif, M. R.; Boyer, L. L.; Degelman, L. O.; Claridge, D. E.	Link
ESL-HH-92-05-17	The Revised Austin Energy Code and Comparisons with the Texas State Energy Standard	Crow, G. W.	Link
ESL-HH-92-05-18	Solar Water Heating: What's Hot and What's Not	Stein, J.	Link
ESL-HH-92-05-19	The Impact of Residential Air Conditioner Charging and Sizing on Peak Electrical Demand	Neal, L.; O'Neal, D. L.	Link
ESL-HH-92-05-20	A Thermal Sensation Index for Real-Time Tuning and Energy-Optimal Control of HVAC Systems	Federspiel, C. C.; Asada, H.; Norford, L. K.	Link
ESL-HH-92-05-21	Non-Intrusive Electric Load Monitoring in Commercial Buildings	Norford, L. K.; Mahey, N.	Link
ESL-HH-92-05-22	ACT2 Project: Measuring Energy Savings	Krieg, B. L.; Baker, M.	Link
ESL-HH-92-05-23	Survey of Energy Use in Grocery Stores	Cox, R. L.; Haberl, J.; Claridge, D. E.	Link
ESL-HH-92-05-24	Statistical Modeling of Daily Energy Consumption in Commercial Buildings Using Multiple Regression and Principal Component Analysis	Wu, J.; Reddy, T. A.; Claridge, D. E.	Link
ESL-HH-92-05-25	Energy Analysis of the Texas Capitol Restoration	Hunn, B. D.; Banks, J. A.; Reddy, S. N.	Link
ESL-HH-92-05-26	LoanSTAR Energy Auditing: Update and Changes	Heffington, W. M.; Ather, A.; Britton, A. J.; Nutter, D. W.	Link
ESL-HH-92-05-27	Texas LoanSTAR Monitoring & Analysis Program- Characterizing LoanSTAR Buildings and Energy Consumption	Abbas, M.; Ather, A.; Challa, V.; Haberl, J.; Claridge, D. E.	Link
ESL-HH-92-05-28	Texas LoanSTAR Monitoring & Analysis Program- Improving the Performance of Retrofits by Providing Operator Feedback from Measured Data	Athar, A.; Abbas, M.; Challa, V.; Haberl, J.; Claridge, D. E.	Link
ESL-HH-92-05-29	Testing Data Acquisition Systems for Use in Monitoring Building Energy Conservation Systems	Sparks, R.; Haberl, J.; Bhattacharya, S.; Rayaprolu, M.; Wang, J.; Vadlamani, S.	Link
ESL-HH-92-05-30	Data Management in the LoanSTAR Program	Lopez, R.E.; Haberl, J.	Link
ESL-HH-92-05-31	A Collaborative Support System for the Review of Building Energy Data in the LoanSTAR Monitoring and Analysis Project	Willis, D.; Haberl, J.	Link
ESL-HH-92-05-32	Calibration of Tangential Paddlewheel Insertion Flowmeters	Robinson, J.; Bryant, J.; Haberl, J.; Turner, D.	Link
ESL-HH-92-05-33	Calibration of Relative Humidity Transducers for Use in the Texas LoanSTAR Program	Bryant, J. A.; O'Neal, D. L.	Link
ESL-HH-92-05-34	A Methodology for Identifying Retrofit Energy Savings in Commercial Buildings	Kissock, K.; Reddy, T. A.; Claridge, D. E.	Link
ESL-HH-92-05-35	Disaggregating Cooling Energy Use of Commercial Buildings Into Sensible and Latent Fractions from Whole-Building Monitored Data: Methodology and Advantages	Katipamula, S.; Reddy, T. A.; Claridge, D. E.	Link

ESL-TR-92-06-02	LoanSTAR Monitoring and Analysis Program Building Energy Monitoring Workbook Submitted to the Texas Governor's Energy Office by the Improved Energy Audit Process Task (Aug. 1992), <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Haberl, J.; Lopez, R.; Sparks, R.	Link
ESL-PA-92-07-02	A Thermal Mass Treatment for the TC 4.7 Simplified Energy Analysis Procedure, <i>1992 ASHRAE Transactions: Research</i> , pp. 320 – 327.	Claridge, D. E.; Norford, L. K.; Balasubramanya, R.	Link
ESL-PA-92-07-03	A Multiclimatic Comparison of the Improved TC 4.7 Simplified Energy Analysis Procedure with DOE 2, <i>1992 ASHRAE Transactions: Research</i> , pp. 305 – 319.	Balasubramanya, R.; Claridge, D. E.; Norford, L. K.; Kreider, J. F.	Link
ESL-TH-92-08-05	A Quasi-Steady State Model to Predict Heat Transfer and Energy Savings in Residences Using Radiant Barriers, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Winiarski, D. W.	Link
ESL-TH-92-08-06	Study of Air Infiltration Energy Consumption, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.	Link
ESL-TR-92-08-04	A Field Study on Residential Air Conditioning Peak Loads During Summer in College Station, Texas, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Reddy, T. A.; Vaidya, S.; Griffith, L.; Bhattacharyya, S.; Claridge, D. E.	Link
ESL-PA-92-09-02	Effect of Attic Ventilation on the Performance of Radiant Barriers, <i>Journal of Solar Energy Engineering, ASHRAE Transactions</i> , pp. 234 – 239.	Medina, M. A.; O'Neal, D. L.; Turner, W. D.	Link
ESL-TH-92-11-01	Monitoring the Performance of a Residential Central Air Conditioner under Reduced Evaporator Air Flow on a Test Bench, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Palani, M.	Link
ESL-PA-92-12-01	A Part Load Factor for a Heat Pump Derived from Laboratory Measurements, <i>Energy and Buildings</i> , 19, pp. 125 – 132.	Katipamula, S.; O'Neal, D. L.	Link
ESL-TH-92-12-04	Development of a Transient Heat and Mass Transfer Model of Residential Attics to Predict Energy Savings Produced by the Use of a Radiant Barrier, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Medina, M. A.	Link
ESL-TH-92-12-05	An Experimental Study of Heating Performance and Seasonal Modeling of Vertical U-Tube Ground Coupled Heat Pumps, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Margo, R. E.	Link
ESL-TH-92-12-06	The Effects of Airflow Modulation and Multi-Stage Defrost on the Performance of an Air Source Heat Pump, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Payne, W. V.; II	Link
ESL-TR-92-12-02	Calculating Energy and Demand Retrofit Savings for Stroman High School: Interim Report, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, Y.; Reddy, T. A.; Katipamula, S.; Claridge, D. E.	Link
ESL-TR-92-12-03	Calculating Energy and Demand Retrofit Savings for Victoria High School: Interim Report, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, Y.; Reddy, T. A.; Katipamula, S.; Claridge, D. E.	Link
ESL-TR-92-12-07	A Comprehensive Review of the Tests Completed on the Flowloop at the Energy Systems Laboratory (Draft), <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Robinson, J.	Link
ESL-PA-92-12-09	The Energy Impact of Combined Solar Radiation/Infiltration/Conduction Effects in Walls and Attics, <i>Proceedings of the ASHRAE/DOE/BTECC Conference</i> , Clearwater Beach, Florida.	Liu, M.; Claridge, D. E.	Link
ESL-PA-93-01-02	A Study of Energy Use in Grocery Stores, <i>ASHRAE Transactions</i> , January, Vol. 99, Pt. 1.	Cox, R. L.; Haberl, J.; Claridge, D. E.	Link
ESL-PA-93-01-03	Influence of the Expansion Device on Air-Conditioner System Performance Characteristics under a Range of Charging Conditions, <i>ASHRAE Transactions</i> , January, Vol. 99, Pt. 1.	Farzad, M.; O'Neal, D. L.	Link
ESL-PA-93-01-04	A Simplified Model of Pin Fin Heat Exchangers under Frosting Conditions, <i>ASHRAE Transactions</i> , January, Vol. 99, Pt. 1.	Kondepudi, S. N.; O'Neal, D. L.	Link
ESL-PA-93-01-05	Characterizing Steam and Chilled-Water Use for a Large Campus in Central Texas, <i>ASHRAE Transactions Symposia</i> , Vol. 99, Pt. 2, June, pp. 465 – 476.	Haberl, J.; Beasley, R. C.; Thompson, D. L.	Link
ESL-PA-93-01-06	Defrost Cycle Performance for an Air-Source Heat Pump Operating with a Scroll and a Reciprocating Compressor, <i>Proceedings of the 28th InterSociety Energy Conversion Engineering Conference: Energy, Environment, Economics</i> , August, Vol. 1, pp. 1.903 – 1.907.	Payne, V.; O'Neal, D. L.	Link
ESL-TR-93-01-07	Potential Operation and Maintenance (O&M) Savings at the State Capitol Complex, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Houcek, J. K.; Liu, M.; Claridge, D. E.; Haberl, J.; Katipamula, S.; Abbas, M.	Link
ESL-PA-93-03-01	Exploring New Data Displays for Facility Energy Data	Haberl, J.; Belur, R.; Sparks, R.; Kiscock, K.; Campbell, S.	Link
ESL-PA-93-03-02	Instrumenting Buildings to Determine Retrofit Savings: Murphy's Law Revisited	O'Neal, D.; Bryant, J.; Boecker, C.; Bohmer, C.	Link
ESL-PA-93-03-03	Five Common Energy Conservation Projects in Small and Medium-Sized Industrial Plants	Nutter, D.; Britton, A.; Heffington, W.	Link
ESL-IE-93-03-01	Staying Competitive in the 90's: How to Make Public Involvement Work	Loveless, K.	Link
ESL-IE-93-03-02	Group Dynamics Approach to Industrial Energy Management	Thomas, D.	Link
ESL-IE-93-03-03	Dow's EnergyWRAP Contest- A 12-Year Energy and Waste Reduction Success Story	Kelson, K.	Link
ESL-IE-93-03-04	Managing In-House Energy Resources for Competitive Advantage	Pavone, T.	Link
ESL-IE-93-03-05	\$18.7 Million Paid From Savings Variable Load Mechanical Cogeneration Project at Louisiana State University	Leach, M.; Colburn, B.	Link
ESL-IE-93-03-06	Biological Effects of Electrical and Magnetic Fields: Is It Real?	Durham, M.	Link
ESL-IE-93-03-07	Performance Characteristics of an Electrochemically Powered Turboprop: A Comparison with State of the Art Gas Turbines	Johnson, M.; Swan, D.	Link
ESL-IE-93-03-08	Cogeneration: An Industrial Steam and Power Option	Orlando, J.; Stewart, M.; Roberts, J.	Link
ESL-IE-93-03-09	Cogeneration System Size Optimization: Constant Capacity and Constant Demand Models	Wong-Kcomt, J.; Turner, W.	Link
ESL-IE-93-03-10	Demonstration of a Carbonate Fuel Cell on Coal Derived Gas	Rastler, D.; Keeler, C.; Chi, C.	Link
ESL-IE-93-03-11	Understanding Utility Rates or How to Operate at the Lowest \$/Btu	Phillips, J.	Link
ESL-IE-93-03-12	Meeting Customers' Energy Efficiency Goals - In Concert with the Environment®	Merchant, D.	Link
ESL-IE-93-03-13	Kieffer Paper Mill's Recycled Fiber Mill and PSI Energy's High Efficiency Motors Plan	Myers, J.	Link
ESL-IE-93-03-14	Black Liquor Gasification Process Review and Status Update	Brown, C.	Link
ESL-IE-93-03-15	Management Applications of Maintenance Reports	Gehl, P.	Link
ESL-IE-93-03-16	Identifying Savings Opportunities	Chari, S.	Link
ESL-IE-93-03-17	Five Common Energy Conservation Projects in Small and Medium-Sized Industrial Plants	Nutter, D.; Britton, A.; Heffington, W.	Link
ESL-IE-93-03-18	Energy Conservation in Process Chilled Water Systems	DiBella, R.; Ambs, L.	Link
ESL-IE-93-03-19	Recent Developments in the Regulation of Electric Utility Resource Planning in Texas	Totten, J.; Adib, P.; Matlock, R.; Treadway, N.	Link
ESL-IE-93-03-20	Emerging Technologies for Industrial Demand-Side Management	Neeley, J.; Kasprovicz, L.	Link
ESL-IE-93-03-21	Industrial Rates and Demand-Side Management Programs	Kasprovicz, L.; House, R.	Link

ESL-IE-93-03-22	Non-Utility Generation and Transmission Access in Texas	Panjavan, S.; Adib, P.	Link
ESL-IE-93-03-23	The Clean Air Act's Impact of Environmental Regulation and Electric Power Conservation and Production	Ashley, H.	Link
ESL-IE-93-03-24	Adjustable Speed Drives in the U. S. Petroleum Refining, Petrochemical, and Chemical Industries	Foley, D.	Link
ESL-IE-93-03-25	Hydrogen and Sulfur Production from Hydrogen Sulfide Wastes	Harkness, J.; Doctor, R.	Link
ESL-IE-93-03-26	Not a Babe in the Woods: Using MotorMaster Software to Make Sophisticated Electric Motor Purchase Decisions	Litman, T.	Link
ESL-IE-93-03-27	Power Quality/Harmonic Detection: Harmonic Control in Electric Power Systems for the Telecommunications Industry	Felkner, J.; Waggoner, R.	Link
ESL-IE-93-03-28	Better Bearing Housing Seals Prevent Costly Machinery Failures	Bloch, H.	Link
ESL-IE-93-03-29	Energy Conservation and Efficiency Improvement for the Electric Motors Operating in U. S. Oil Fields	Ula, S.; Nichols, T.; Cain, W.	Link
ESL-IE-93-03-30	Variable Frequency Drives: Energy Savings and Impact on Motor Performance	Petro, D.	Link
ESL-IE-93-03-31	Conducting Energy Reviews and Audits of Your Own Plant	Thomas, D.	Link
ESL-IE-93-03-32	Process Energy Audit for Large Industries	Chari, S.	Link
ESL-IE-93-03-33	EModel: A New Tool for Analyzing Building Energy Use Data	Kissock, K.; Reddi, A.; Haberl, J.; Claridge, D.	Link
ESL-IE-93-03-34	Instrumenting Buildings to Determine Retrofit Savings: Murphy's Law Revisited	O'Neal, D.; Bryant, J.; Boecker, C.; Bohmer, C.	Link
ESL-IE-93-03-35	Insertion Paddlewheel Flowmeters: An Evaluation after Two Years of Use	Robinson, J.; Bryant, J.	Link
ESL-IE-93-03-36	Exploring New Data Displays for Facility Energy Data	Haberl, J.; Belur, R.; Sparks, R.; Kissack, K.; Campbell, S.	Link
ESL-IE-93-03-37	Electric Utilities' Role in Industrial Competitiveness: Going Beyond the Energy Audit	Jeffress, R.; Appelbaum, B.	Link
ESL-IE-93-03-38	Using DOE Industrial Energy Audit Data For Utility Program Design	Glaser, C.; Padlan Packard, C.; Parfomak, P.	Link
ESL-IE-93-03-39	Insights into Industrial Energy Auditing from the EADC Program: An Academic Perspective	Muller, M.; Polomski, P.	Link
ESL-IE-93-03-40	Saving Energy in Industrial Compressed Air Systems: Issues and Obstacles in DSM Program Design	Trojanowski, D.; Parfomak, P.	Link
ESL-IE-93-03-41	Utility and State Industrial Efficient Motors Systems Incentives Programs: Experience and Success Factors	Roop, J.; Stucky, D.	Link
ESL-IE-93-03-42	Heat Recovery Steam Generator Simulation	Ganapathy, V.	Link
ESL-IE-93-03-43	Automatic Tube Cleaning Systems for Condensers and Heat Exchangers	Someah, K.	Link
ESL-IE-93-03-44	Application of Desiccant Drying in Plastic Molding	Brown, M.; Moore, D.; Connors, G.	Link
ESL-IE-93-03-45	Demand Side Dispatching, Part 1: A Novel Approach for Industrial Load Shaping Applications	Kumana, J.; Nath, R.	Link
ESL-IE-93-03-46	Demand Side Dispatching, Part 2: An Industrial Application	Nath, R.; Cerget, D.; Henderson, E.	Link
ESL-IE-93-03-47	Location of Leaks in Pressure Testable Direct Burial Steam Distribution Conduits	Sittel, M.; Messock, R.	Link
ESL-IE-93-03-48	Utilities Inspection Technologies	Messock, R.	Link
ESL-IE-93-03-49	Direct Digital Control--A Tool for Energy Management of HVAC Systems	Swanson, K.	Link
ESL-IE-93-03-50	Brayton Solvent Recovery Heat Pump Technology Update	Enneking, J.	Link
ESL-IE-93-03-51	Application of an Industrial Heat Pump to a Specialty Chemical Plant	Tripathi, P.; Chao, P.	Link
ESL-IE-93-03-52	Dual Heating and Cooling Sorption Heat Pump for a Food Plant	Rockenfeller, U.; Dooley, B.	Link
ESL-PA-93-04-05	A Noncalorimetric Method for Heat Transfer Coefficient Measurement of Building Thermal Envelopes, <i>ASME Solar Energy Engineering</i> , 1993, Vol. 117, pp. 108 – 113.	Liu, M.; Claridge, D. E.	Link
ESL-PA-93-04-06	Effect of Air-Conditioner Oversizing and Control on Electric-Peak Loads in a Residence, <i>Energy Journal</i> , Vol. 18, pp. 1139 – 1152.	Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-93-04-09	A Nondimensional Analysis of Vertical-Configuration Ground-Coupled Heat Pump Startup, <i>Journal of Solar Energy Engineering, ASHRAE Transactions</i> , Vol. 115, pp. 220 – 225.	Dobson, M. K.; O'Neal, D. L.; Wolfe, M. L.	Link
ESL-TR-93-04-07	Economic Calculations for the ASHRAE Handbook, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Haberl, J.	Link
ESL-TR-93-04-08	Potential Operation and Maintenance (O&M) Savings at the Dunbar Middle and Sims Elementary Schools, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Liu, M.; Houcek, J. K.; Claridge, D. E.; Haberl, J.	Link
ESL-PA-93-05-03	Calculation of the Shape Factor from a Small Rectangular Plane to a Triangular Surface Perpendicular to the Rectangular Plane without a Common Edge, <i>Journal of Solar Energy Engineering 1993, ASHRAE Transactions</i> , Vol. 115, pp. 117 – 119.	Noboa, H. L.; O'Neal, D. L.; Turner, W. D.	Link
ESL-PA-93-05-05	Use of Simplified System Models to Measure Retrofit Energy Savings, <i>Journal of Solar Energy Engineering 1993, ASME Transactions</i> , Vol. 115, pp. 57 – 68.	Katipamula, S.; Claridge, D. E.	Link
ESL-TR-93-05-01	Sample Annual Energy Consumption Report and Monthly Energy Consumption Report for Zachry Engineering Center, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Staff	Link
ESL-TH-93-05-02	Two-Phase Flow of HCFC-22 and HFC-134a Through Short Tube Orifices, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Kim, Yongchan	Link
ESL-TR-93-05-03	Properties of CV(NAC) for Linear Energy Models, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Ruch, D.	Link
ESL-PA-93-06-04	A Development and Comparison of NAC Estimates for Linear and Change-Point Energy Models for Commercial Buildings, <i>Energy and Buildings</i> , Vol. 20, pp. 87 – 95.	Ruch, D. K.; Claridge, D. E.	Link
ESL-TR-93-06-01	LoanSTAR Monitoring and Analysis Program: Presentation Summary of the State Capitol Complex Building Operation and Maintenance Field Test, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Turner, W. D.; Houcek, J. K.; Liu, M.; Claridge, D. E.	Link
ESL-TR-93-06-02	Energy Management and Control Systems and their Use for Performance Monitoring in the LoanSTAR Program, Prepared for the Lawrence Berkeley Laboratory, University of California, Energy and Environment Division, <i>The Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Heinemeier, K. E.; Akbari, H.	Link
ESL-TR-93-06-03	Texas LoanSTAR Monitoring and Analysis Program: Report to the Monitoring and Advisory Review Committee, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Turner, W. D.; O'Neal, D.; Claridge, D. E.; Heffington, W.; Haberl, J.; Reddy, T. A.; Saman, N.	Link
ESL-TR-93-07-01	Potential Operation and Maintenance (O&M) Savings at Schools in the Ft. Worth Independent School District, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Liu, M.; Reddy, T. A.; Claridge, D. E.; Haberl, J.	Link
ESL-PA-93-08-07	Development of Non-Dimensional Cycling Model for Estimating the Seasonal Performance of Air Conditioners, <i>ASME Transactions: Journal of Solar Energy Engineering</i> , Vol. 115, August, pp. 176 – 181.	O'Neal, D. L.; Katipamula, S.	Link
ESL-TH-93-08-01	Energy Conservation Opportunities in Commercial and Industrial Facilities: Energy Utilization Indices (EUI) in Texas LoanSTAR Buildings, <i>Masters Thesis Report, Department of Mechanical Engineering, Texas A&M University</i> .	Phillips, M. L.	Link
ESL-TH-93-08-02	The Influence of Dust on the Absorptivity of Radiant Barriers, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Noboa, H. L.	Link

ESL-TH-93-08-04	A Simplified Methodology for Sizing Ground Coupled Heat Pump Heat Exchangers in Cooling Dominated Climates, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Gonzales, Jose A.	Link
ESL-TH-93-08-05	The Impact of Charge on Performance of an Air-to-Air Heat Pump for R22 and Three Binary Blends of Refrigerants 32 and 134a, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Robinson, J. H.	Link
ESL-TH-93-08-08	Investigations in Cool Thermal Storage, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Abraham, M. M.	Link
ESL-PA-93-09-03	Improving Heat Pumps and Air Conditioning, <i>Mechanical Engineering</i> , September, 1993, Vol. 115, No. 9, pp. 98 – 102.	Braven, K. D.; Herold, K.; Mei, V.; O'Neal, D. L.; Penoncello, S.	Link
ESL-PA-93-09-04	Performance of Finned-Tube Heat Exchangers under Frosting Conditions: 1. Simulation Model, <i>International Journal of Refrigeration</i> , Vol. 16, No. 3, pp. 175 – 180.	Kondepudi, S. N.; O'Neal, D. L.	Link
ESL-PA-93-09-05	Performance of Finned-Tube Heat Exchangers under Frosting Conditions: 2. Comparison of Experimental Data with Model, <i>International Journal of Refrigeration</i> , Vol. 16, No. 3, pp. 181 – 184.	Kondepudi, S. N.; O'Neal, D. L.	Link
ESL-TR-93-09-01	Guidelines for Measuring Air Infiltration Heat Exchange Effectiveness (IHEE), Submitted to the Texas Higher Education Coordination Board Energy Research Application Program Project #227, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Claridge, D. E.	Link
ESL-PA-93-10-01	An Energy Delivery Efficiency Index to Evaluate Simultaneous Heating and Cooling Effects in Large Commercial Buildings, <i>Journal of Solar Energy Engineering, ASME Transactions</i> , Vol. 116, pp. 79 – 87.	Reddy, T. A.; Kissock, J. K.; Katipamula, S.; Claridge, D. E.	Link
ESL-PA-93-10-02	Using Synthetic Data to Evaluate Multiple Regression and Principal Component Analyses for Statistical Modeling of Daily Building Energy Consumption, <i>Energy and Buildings</i> , Vol 21, pp. 35 – 44.	Reddy, T. A.; Claridge, D. E.	Link
ESL-TR-93-10-03	Summary of UTMB O&M Project: Energy Conservation Potential in Five Buildings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Athar, A.; Reddy, T. A.; Claridge, D. E.; Haberl, J.	Link
ESL-TR-93-10-04	Potential Operation and Maintenance (O&M) Savings in the Basic Science Building at UTMB, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Athar, A.; Claridge, D. E.; Reddy, T. A.; Haberl, J.	Link
ESL-TR-93-10-05	Potential Operation and Maintenance (O&M) Savings in the Clinical Science Building at UTMB, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Athar, A.; Claridge, D. E.; Reddy, T. A.; Haberl, J.	Link
ESL-TR-93-10-06	Potential Operation and Maintenance (O&M) Savings in the John Sealy South Building at UTMB, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Athar, A.; Reddy, T. A.; Houcek, J. K.; Claridge, D. E.; Haberl, J.	Link
ESL-TR-93-10-07	Potential Operation and Maintenance (O&M) Savings in the John Sealy North Building at UTMB, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Athar, A.; Reddy, T. A.; Claridge, D. E.; Haberl, J.	Link
ESL-TR-93-10-08	Potential Energy Savings from Optimized Schedule and Economizer Cycles in the Moody Library Building at UTMB, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Athar, A.; Reddy, T. A.; Claridge, D. E.; Haberl, J.	Link
ESL-TR-93-11-01	Using Fourier Series to Model Hourly Energy Use in Commercial Buildings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Dhar, A.; Reddy, T. A.; Claridge, D. E.	Link
ESL-TH-93-12-01	An Analysis of Grocery Store Energy Use, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Cox, R. L.; III	Link
ESL-TH-93-12-02	Development of Graphical Indices for Building Energy Data, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Abbas, M.	Link
ESL-TH-93-12-03	A Methodology to Measure Retrofit Energy Savings in Commercial Buildings, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Kissock, J. K.	Link
ESL-TH-93-12-04	The Development of a Portable Data Acquisition System for Use in Commercial and Industrial Energy Audits, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Davis, M.	Link
ESL-TH-93-12-05	The Measured Energy Impact of Air Leakage on a House, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Vaidya, S. A.	Link
ESL-TH-93-12-08	Measuring Retrofit Savings in Commercial Buildings with Pre-Retrofit Utility Billing Data and Post-Retrofit Sub-Metered Data, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, Y.	Link
ESL-TR-93-12-04	Pre-Retrofit Lighting Study at the University of Texas at Arlington, Texas, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Houcek, J. K.; Claridge, D. E.; Haberl, J.	Link
ESL-TR-93-12-09	Analysis of Energy Conservation Options for USDOE Child Development Center, Draft, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Bou-Saada, T. E.; Haberl, J.	Link
ESL-PA-93-04-01	The Effect of Short Data Periods on the Annual Prediction Accuracy of Temperature-Dependent Regression Models of Commercial Building Energy Use, <i>Proceedings of the ASME-ASES-SED International Solar Energy Conference</i> , Washington D.C.; April 25 – 28, pp. 455 – 463.	Kissock, J. K.; Reddy, T. A.; Fletcher, D.; Claridge, D. E.	Link
ESL-PA-93-04-02	A Generalized Preliminary Assessment of No-Storage Solar and Wind Grid-Intertie Systems, <i>Proceedings of the ASME-ASES-SED International Solar Energy Conference</i> , Washington D.C.; April 25 – 28.	Reddy, T. A.	Link
ESL-PA-93-04-03	Model Identification and Prediction Uncertainty of Linear Building Energy Use Models with Autocorrelated Residuals, <i>Proceedings of the ASME-ASES-SED International Solar Energy Conference</i> , Washington D.C.; April 25 – 28.	Ruch, D. K.; Kissock, J. K.; Reddy, T. A.	Link
ESL-PA-93-12-07	An Experimental Study of Two-Phase Flow of HFC-134a Through Short Tube Orifices, <i>ASME – Volume 29, Heat Pump and Refrigeration Systems Design, Analysis, and Applications ASME 1993</i> , pp. 1 – 8.	Kim, Y.; O'Neal, D. L.	Link
ESL-PA-94-01-01	A Model of the Effect of Dust on the Emissivity of Radiant Barriers, <i>ASHRAE Transactions 1994</i> , Vol. 100, Pt. 2, No. 3786, pp. 23-30.	Noboa, H.; O'Neal, D. L.; Turner, W. D.	Link
ESL-PA-94-01-04	The Functional Basis of Thermal Energy Use in Air-Side HVAC Equipment, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 117, pp. 31-39.	Reddy, T. A.; Katipamula, S. K.; Claridge, D. E.	Link
ESL-PA-94-01-05	Two-Phase Flow of R-22 through Short-Tube Orifices, <i>ASHRAE Transactions: Research</i> , Vol. 100, Pt. 1.	Kim, Y.; O'Neal, D. L.	Link
ESL-PA-94-02-01	The Effect of Void Fraction Model on Estimation of Air Conditioner System Performance Variables Under a Range of Charging Conditions, <i>International Journal of Refrigeration</i> , Volume 17, No. 2, pp. 85-93, February, 1994.	Farzad, M.; O'Neal, D.	Link
ESL-TR-94-02-01	Phase A: Initial Development of an Advanced Diagnostic Procedure for Air-Side Retrofits in Commercial Buildings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Reddy, T. A.; Kissock, J. K.; Katipamula, S.; Claridge, D. E.	Link
ESL-TR-94-03-04	An Overview of Measured Energy Retrofit Savings Methodologies Developed in the Texas LoanSTAR Program, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Reddy, T. A.; Kissock, J. K.; Katipamula, S.; Ruch, D. K.; Claridge, D. E.	Link
ESL-PA-94-04-02	Flow Measurement with Tangential Paddlewheel Flow Meters: Analysis of Experimental Results and In-Situ Diagnostics	Watt, J.; Haberl, J.	Link
ESL-PA-94-04-03	Energy Conservation through Improved Industrial Ventilation in Small and Medium-Sized Industrial Plants	Saman, N.; Nutter, D.	Link
ESL-PA-94-04-04	Electrical Energy Monitoring in an Industrial Plant	Dorhofer, F.; Heffington, W.	Link
ESL-PA-94-04-05	Maintaining Space Temperature and Humidity in the Digital Switch Environment	Saman, N.; Johnstone, H.	Link

ESL-IE-94-04-01	UV Curable Coatings in Aluminum Can Production	Donhowe, E.	Link
ESL-IE-94-04-02	Evaporative Hydrochloric Acid Recovery: Something Old, Something New...	Cullivan, B.	Link
ESL-IE-94-04-03	Significant Energy and Material Reductions in the Continuous Casting of Certain Copper Alloys	Nielson, W.	Link
ESL-IE-94-04-04	New, More Efficient Technology for Remelting Aluminum Chips	Hosek, D.	Link
ESL-IE-94-04-05	Reclamation of Cleaning Water Using Ultrafiltration and Double Pass Reverse Osmosis	Neuman, T.; Long, G.; Tinter, M.	Link
ESL-IE-94-04-07	Energy, Product, and Economic Implications of Environmental Compliance Options--A Southern California Case Study	Kyricopoulos, P.; Dennison, W.	Link
ESL-IE-94-04-08	Converting Centrifugal Chillers to HCFC-123	Siebert, B.	Link
ESL-IE-94-04-11	Technology Application Centers: Facilitating Technology Transfer	Kuhel, G.	Link
ESL-IE-94-04-12	Designing Industrial DSM Programs That Work	Nadel, S.; Jordan, J.	Link
ESL-IE-94-04-19	Sealest Ice Cream: A Case Study in Cooperation	Hepner, M.	Link
ESL-IE-94-04-20	EPRI Partnership for Industrial Competitiveness (EPIC): The Plant Survey Experience	Smith, W.; Appelbaum, B.	Link
ESL-IE-94-04-21	DSM Load Growth Through Electrotechnology Application Assistance	Merchant, D.	Link
ESL-IE-94-04-22	Partnerships for Industrial Productivity Through Energy Efficiency	Johnston, W.	Link
ESL-IE-94-04-23	Financing of Industrial Energy Efficiency Through State Energy Offices	Elliott, R.; Weidenbaum, A.	Link
ESL-IE-94-04-24	Off-Balance Sheet Financing for Industrial Energy Efficiency Projects	Williams, S.	Link
ESL-IE-94-04-25	A Total Quality Management (TQM) Approach for Energy Savings Through Employee Awareness and Building Upgrades to Improve Energy Efficiency	Stewart, D.	Link
ESL-IE-94-04-26	Financing: A Cost Effective Alternative When Upgrading Energy Efficient Systems	Ertle, J.	Link
ESL-IE-94-04-27	The Impacts of Utility-Sponsored Demand-Side Management Programs on Industrial Electricity Consumers	Rosenblum, J.	Link
ESL-IE-94-04-28	Bidding Opportunities for Energy Efficiency	Treadway, N.	Link
ESL-IE-94-04-29	Industrial DSM Programs: Low Cost Resource and Smart Customer Service	Jaussaud, D.	Link
ESL-IE-94-04-30	Extending Quality Management to Utility Costs	Holmes, W.	Link
ESL-IE-94-04-31	Writing User-Friendly Energy Audit Reports	Capehart, L.; Capehart, L.	Link
ESL-IE-94-04-32	Energy Consumption Characteristics of Light Manufacturing Facilities in the Northern Plains: A Study of Detailed Data from 10 Industrial Energy Audits Conducted in 1993	Twedt, M.; Bassett, K.	Link
ESL-IE-94-04-34	Potential for Energy Efficient Motors and Variable Speed Drives in the Petroleum and Chemical Industry	Fendley, K.; Pillay, P.	Link
ESL-IE-94-04-35	Validating Energy Measures	Charl, S.; Thomas, D.	Link
ESL-IE-94-04-36	Energy Consumption and Conservation Potential at a Georgia Textile Plant	Gurta, M.; Brown, M.	Link
ESL-IE-94-04-37	Novel Approaches to Conserve Energy in Textile Processing Through the Use of Supercritical Fluids	Brown, M.; Sikorski, M.	Link
ESL-IE-94-04-38	Matching of Infrared Emitters with Textiles for Improved Energy Utilization	Carr, W.; Williamson, V.; Johnson, M.; Do, B.	Link
ESL-IE-94-04-39	A Comparative Study of Ozone and Ultraviolet Light/Hydrogen Peroxide for Decolorizing Textile Dyeing Waste Water	Nambodri, C.; Perkins, W.; Walsh, W.	Link
ESL-IE-94-04-40	Energy Savings with Computerized Steam Trap Maintenance Program	Klidzejs, A.	Link
ESL-IE-94-04-42	An Application of Integrated Thermal and Electrical Energy Cogeneration Optimization	Ahner, D.; Mills, R.	Link
ESL-IE-94-04-43	Design and Performance Aspects of Steam Generators	Ganapathy, V.	Link
ESL-IE-94-04-44	Energy Philosophy in Prospective Petrochemical Projects	Wallsgrave, C.	Link
ESL-IE-94-04-46	Recovery Boiler Modeling: An Improved Char Burning Model Including Sulfate Reductin and Carbon Removal	Grace, T.; Horton, R.; Wag, K.; Frederick, W.	Link
ESL-IE-94-04-47	Recovery Boiler Modeling	Salcudean, M.; Nowak, P.; Abdullah, Z.	Link
ESL-IE-94-04-50	Overview: EPRI's Program for Process Industry Energy Efficiency and Environmental Improvement	Amarnath, A.	Link
ESL-IE-94-04-51	Energy Savings Potential of Process Control Valve Replacement	Holzenthall, Jr.; L.	Link
ESL-IE-94-04-54	A Novel Technology for the Reduction of NOx On Char by Microwaves	Buenger, C.; Peterson, E.	Link
ESL-IE-94-04-55	Economics of Electric Compressors for Gas Transmission	Schmeal, R.	Link
ESL-IE-94-04-56	Energy Conservation through Improved Industrial Ventilationin Small and Medium-Sized Industrial Plants	Saman, N.; Nutter, D.	Link
ESL-IE-94-04-57	Flow Measurement with Tangential Paddlewheel Flow Meters: Analysis of Experimental Results and In-Situ Diagnostics	Watt, J.; Haberl, J.	Link
ESL-IE-94-04-58	Maintaining Space Temperature and Humidity in the Digital Switch Environment	Saman, N.; Johnstone, H.	Link
ESL-IE-94-04-59	Electrical Energy Monitoring in an Industrial Plant	Dorhofer, F.; Heffington, W.	Link
ESL-IE-94-04-60	The Future of Combustion Turbine Technology for Industrial and Utility Power Generation	Karp, A. D.	Link
ESL-IE-94-04-61	NISCO Cogeneration Facility	Zierold, D. M.	Link
ESL-IE-94-04-62	On-Machine Sensors to Measure Paper Mechanical Properties	Hall, M. S.	Link
ESL-IE-94-04-63	Fourier Transform Infrared Spectroscopy for Process Monitoring and Control	Solomon, P. R.; Carangelo, M. D.; Carangelo, R. M.	Link
ESL-IE-94-04-64	Sulfur-Free Selective Pulping	Dimmel, D. R.; Bozell, J. J.	Link
ESL-IE-94-04-65	Continuous On-Line Measurement of Lignin Concentration In Wood Pulp	Jeffers, J. A.; Roman, G. W.	Link
ESL-TR-94-04-06	Test Report for Two Low-Water-Consumption Stainless Steel Toilets, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i>	Claridge, D. E.; Boecker, C. L.	Link
ESL-TR-94-04-07	Predictive Maintenance Programs (PMP's) in Small HVAC Applications: Analysis of Available Products and Technology, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Watt, J.	Link
ESL-PA-94-05-02	Development of Graphical Indices for Displaying Large Scale Building Energy Data Sets	Abbas, M.; Haberl, J.	Link
ESL-PA-94-05-03	Use of NWS Weather Measurements for Cross-checking Local Weather Measurements	Crowley, G. D.; Haberl, J.	Link
ESL-PA-94-05-04	An Improved Multipyranometer Array for the Measurement of Direct and Diffuse Solar Radiation	Munger, B.; Haberl, J.	Link
ESL-PA-94-05-05	A Bin Method for Calculating Energy Conservation Retrofit Savings in Commercial Buildings	Thamilseran, S.; Haberl, J.	Link
ESL-PA-94-05-06	Cooling-Only Prism Analysis of Eleven College Station Homes and Interpretation of Building Physical Parameters	Griffith, L.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-94-05-07	A Simplified Procedure for Sizing Vertical Ground Coupled Heat Pump Heat Exchangers for Residences in Texas	O'Neal, D. L.; Gonzalez, J. A.; Aldred, W.	Link
ESL-PA-94-05-08	Field Performance of a Ground-Coupled Heat Pump in Abilene, Texas	Dobson, M.; O'Neal, D. L.; Aldred, W.; Margo, R.	Link
ESL-PA-94-05-09	Identifying and Implementing Improved Operation and Maintenance Measures in Texas LoanSTAR Buildings, <i>ACEEE 1994 Summer Study</i> , pp. 5.153 – 5.165.	Liu, M.; Houcek, J.; Athar, A.; Reddy, T. A.; Claridge, D. E.; Haberl, J.	Link
ESL-PA-94-05-10	Reducing Building Energy Costs Using Optimized Operation Strategies for Constant Volume Air Handling Systems	Liu, M.; Athar, A.; Reddy, A.; Claridge, D. E.; Haberl, J.; White, E.	Link
ESL-PA-94-05-12	Economic Evaluation of Insulation/Radiant Barrier Systems for the State of Texas	Medina, M. A.; Turner, W. D.; O'Neal, D. L.	Link

ESL-PA-94-05-13	Effect of Radiant Barrier Technology on Summer Attic Heat Load in South Texas	Ashley, R.; Garcia, O.; Medina, M. A.; Turner, W. D.	Link
ESL-PA-94-05-14	Pre-Retrofit Lighting Study at the University of Texas at Arlington	Houcek, J. K.; Claridge, D. E.; Haberl, J.	Link
ESL-TR-94-05-01	Use of NWS Weather Measurements for Cross-checking Local Weather Measurements	Crowley, G. D.; Haberl, J.	Link
ESL-HH-94-05-01	Cost-effective Lighting Retrofits: Lessons Learned	Fisher, M. D.	6618
ESL-HH-94-05-02	Micro-Management of Lighting Controls Projects	Clark, W. H.	6619
ESL-HH-94-05-03	Pre-Retrofit Lighting Study at the University of Texas at Arlington	Houcek, J. K.; Claridge, D. E.; Haberl, J.	Link
ESL-HH-94-05-04	Evaluation of Lightshelf Daylighting Systems for Office Buildings in Hot Climates	Abdulmohsen, A.; Boyer, L. L.; Degelman, L. O.	Link
ESL-HH-94-05-05	Use of NWS Weather Measurements for Cross-checking Local Weather Measurements	Crowley, G. D.; Haberl, J.	Link
ESL-HH-94-05-06	Energy Conservation Analysis	Clark, W. H.	Link
ESL-HH-94-05-07	Computer Aided Duct Design	Clark, W. H.	Link
ESL-HH-94-05-08	"What's Going On Out There?" A Baseline Survey for the LCRA's Good Cents Home Program	Knutsen, T.	Link
ESL-HH-94-05-09	Mechanical Air Distribution Interactions with the House System in Hot and Humid Climates	Garrett, D. A.	Link
ESL-HH-94-05-10	Austin's Green Building Program: A Tool for Sustainable Development	Seiter, D. L.	Link
ESL-HH-94-05-11	Humidity Control in Residences	Trowbridge, J.; Peterson, J.	Link
ESL-HH-94-05-12	Analysis of a Fabric/Desiccant Window Cavity Dehumidifier	Hunn, B. D.; Grasso, M. M.; Vadlamani, V.	Link
ESL-HH-94-05-13	Energy Savings in Food Processing Dehumidification	Turney, R. L.; Young, F. J.	Link
ESL-HH-94-05-14	The Framework of an Optimization Model for the Thermal Design of Building Envelopes	Al-Homoud, M. S.; Degelman, L. O.; Boyer, L. L.	Link
ESL-HH-94-05-15	Effectiveness of External Window Attachments Based on Daylight Utilization and Cooling Load Reduction for Small Office Buildings in Hot Humid Climates	Soebarto, V. I.; Degelman, L. O.	Link
ESL-HH-94-05-16	Economic Evaluation of Insulation/Radiant Barrier Systems for the State of Texas	Medina, M. A.; Turner, W. D.; O'Neal, D. L.	Link
ESL-HH-94-05-17	Effect of Radiant Barrier Technology on Summer Attic Heat Load in South Texas	Ashley, R.; Garcia, O.; Medina, M. A.; Turner, W. D.	Link
ESL-HH-94-05-18	An Improved Multipyranometer Array for the Measurement of Direct and Diffuse Solar Radiation	Munger, B.; Haberl, J.	Link
ESL-HH-94-05-19	Energy Audits: The Key to Performance Contracting Projects	Tharoor, M.	Link
ESL-HH-94-05-20	The Risks and Rewards of Participation in Demand Side Bidding Programs; an Energy Service Company Perspective	Machold, W. D.	Link
ESL-HH-94-05-21	A Bin Method for Calculating Energy Conservation Retrofit Savings in Commercial Buildings	Thamilseran, S.; Haberl, J.	Link
ESL-HH-94-05-22	Determination of Retrofit Savings Using a Calibrated Building Energy Simulation Model	Reddy, S. N.; Hunn, B. D.; Hood, D. B.	Link
ESL-HH-94-05-23	Development of Graphical Indices for Displaying Large Scale Building Energy Data Sets	Abbas, M.; Haberl, J.	Link
ESL-HH-94-05-24	Cooling-Only Prism Analysis of Eleven College Station Homes and Interpretation of Building Physical Parameters	Griffith, L.; Reddy, T. A.; Claridge, D. E.	Link
ESL-HH-94-05-25	Reducing Building Energy Costs Using Optimized Operation Strategies for Constant Volume Air Handling Systems	Liu, M.; Athar, A.; Reddy, A.; Claridge, D. E.; Haberl, J.; White, E.	Link
ESL-HH-94-05-26	Dehumidification Without Re-heat Using Face and Bypass Dampers	Warila, D. T.	Link
ESL-HH-94-05-27	Feasibility of Municipal Water Mains as Heat Sink for Residential Air-Conditioning	Vliet, G. C.	Link
ESL-HH-94-05-28	A Simplified Procedure for Sizing Vertical Ground Coupled Heat Pump Heat Exchangers for Residences in Texas	O'Neal, D. L.; Gonzalez, J. A.; Aldred, W.	Link
ESL-HH-94-05-29	Field Performance of a Ground-Coupled Heat Pump in Abilene, Texas	Dobson, M.; O'Neal, D. L.; Aldred, W.; Margo, R.	Link
ESL-HH-94-05-30	Investigative Tools and Techniques for Indoor Air Quality Studies	Kennedy, S. R.; Quinn, C. B.; Henderson, J. E.; Vickery, R. G.	Link
ESL-HH-94-05-31	Residential Air Conditioner Direct Load Control "Energy Partners Program"	Cook, J. D.	Link
ESL-HH-94-05-32	Residential Load Management Program and Pilot	Haverlah, D.; Riordon, K.	Link
ESL-HH-94-05-33	Load Management DSM: Past, Present & Future	Gardner, E.	Link
ESL-HH-94-05-34	Customer Cycling Program in the City of Weimar	Parks, F. E.	Link
ESL-HH-94-05-35	Designing a Thermal Energy Storage Program for Electric Utilities	Niehus, T. L.	Link
ESL-HH-94-05-36	A Successful Cool Storage Rate	Ahrens, A. C.; Sobey, T. M.	Link
ESL-HH-94-05-37	Thermal Storage with Conventional Cooling Systems	Kieninger, R. T.	Link
ESL-HH-94-05-38	Model Code for the Prevention of Residential HAC Distribution System Leakage and HAC-Induced Building Leakage, 1994 Edition	Wemhoff, P.	Link
ESL-HH-94-05-39	Measured Natural Cooling Enhancement of a Whole House Fan	Parker, D. S.	Link
ESL-PA-94-06-01	Predicting Hourly Building Energy Use: The Great Energy Predictor Shootout – Overview and Discussion of Results, <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2, pp. 1104-1118.	Kreider, J. F.; Haberl, J.	Link
ESL-PA-94-06-02	Predicting Hourly Building Energy Usage: The Results of the 1993 Great Energy Predictor Shootout Identify the Most Accurate Method for Making Hourly Energy Use Predictions, <i>ASHRAE Journal</i> , Vol. 35, No. 3, pp. 72 – 81.	Kreider, J. F.; Haberl, J.	Link
ESL-PA-94-06-03	Generalization of the Fourier Series Approach to Model Hourly Energy Use in Commercial Buildings, <i>ASME Journal of Solar Energy Engineering</i> , Vol 121, pp. 54-62, 1994.	Dhar, A.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-94-06-05	Two-Phase Flow of HFC-134a and CFC-12 Through Short-Tube Orifices, <i>ASHRAE Transactions: Symposia</i> , Vol. 100, Pt. 2.	Kim, Y.; O'Neal, D. L.; Yuan, X.	Link
ESL-PA-94-07-02-1	Bayesian Nonlinear Modeling for the Prediction Competition, from "The Great Energy Predictor Shootout I: Measuring Retrofit Energy Savings," <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2.	MacKay, D. J. C.	Link
ESL-PA-94-07-02-2	Predicting System Loads with Artificial Neural Networks – Methods and Results from "The Great Energy Predictor Shootout: Measuring Retrofit Energy Savings," <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2.	Ohlsson, M. B. O.; Peterson, C. O.; Pi, H.; Rognvaldsson, T. S.; Soderberg, B. P. W.	Link
ESL-PA-94-07-02-3	Generalized Nonlinear Regression with Ensemble of Neural Nets: "The Great Energy Predictor Shootout: Measuring Retrofit Energy Savings," <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2.	Feuston, B. P.; Thurtell, J. H.	Link
ESL-PA-94-07-02-4	Using Artificial Neural Nets to Predict Building Energy Parameters, from "The Great Energy Predictor Shootout I: Measuring Retrofit Energy Savings," <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2.	Stevenson, W. J.	Link
ESL-PA-94-07-02-5	A Piecewise-Linear Regression on the ASHRAE Time-Series Data, from "The Great Energy Predictor Shootout I: Measuring Retrofit Energy Savings," <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2.	Iijima, M.; Takagi, K.; Takeuchi, R.; Matsumoto, T.	Link

ESL-PA-94-07-02-6	Artificial Neural Network Backpropagation Model with Three-Phase Annealing Developed for the Building Energy Predictor Shootout, from "The Great Energy Predictor Shootout I: Measuring Retrofit Energy Savings," <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2.	Kawashima, M.	Link
ESL-PA-94-07-04	A Procedure for Plotting the Sun-Path Diagram, and Shading Mask Protector, <i>Journal of Solar Energy Engineering, ASME Transactions</i> , May 1995, Vol. 117, pp. 153–156.	McWatters, K.; Haberl, J.	Link
ESL-PA-94-07-05	Development of a Transient Simulation Model of a Freezer Part 1: Model Development, <i>Proceedings of the 1994 International Refrigeration Conference at Purdue</i> , July 19-22, Purdue University, West Lafayette, IN, pp. 213–218.	Yuan, X.; O'Neal, D. L.	Link
ESL-PA-94-07-06	Development of a Transient Simulation Model of a Freezer Part 2: Comparison of Experimental Data with Model, <i>Proceedings of the 1994 International Refrigeration Conference at Purdue</i> , July 19-22, Purdue University, West Lafayette, IN, pp. 219–224.	Yuan, X.; O'Neal, D. L.	Link
ESL-PA-94-07-07	The Effect of Oil on the Two-Phase Critical Flow of Refrigerant 134a Through Short Tube Orifices, <i>International Journal of Heat Mass Transfer</i> , Vol. 37, No. 9, pp. 1377–1385.	Kim, Y.; O'Neal, D. L.	Link
ESL-TR-94-07-01	Instructions for "The Great Building Energy Predictor Shootout II: Measuring Retrofit Energy Savings," <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Haberl, J.; Kreider, J. F.	Link
ESL-TR-94-07-08	Preliminary Study of O&M Opportunities at the University of Texas Medical Branch at Galveston, Submitted to The Energy Management and Operations Department at UTMB Galveston, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Liu, M.; Zhu, Y.; Claridge, D. E.; Haberl, J.	Link
ESL-PA-94-08-05	Can You Achieve 150% of Predicted Retrofit Savings? Is It Time for Recommissioning? <i>ACEEE Summer Study</i> , August, Vol. 5, pp. 5.73 – 5.87	Claridge, D. E.; Haberl, J.; Liu, M.; Houcek, J.; Athar, A.	Link
ESL-TH-94-08-02	Electrical Energy Monitoring in an Industrial Plant, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Dorhofer, F.	Link
ESL-TH-94-08-03	Demand, Energy, and Power factor, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Gough, M.	Link
ESL-PA-94-09-01	A Semi-Empirical Model of Two-Phase Flow of Refrigerant-134a Through Short Tube Orifices, <i>Experimental Thermal and Fluid Science</i> , Volume 9, pp. 426-435, September 1994.	Kim, Y.; O'Neal, D. L.	Link
ESL-TR-94-10-01	Texas LoanSTAR Monitoring and Analysis Program: Monitoring Equipment Installation Manual (October 1994), <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i>	Bohmer, C.; Lippman, R.; McBride, J.; Casebolt, C.	Link
ESL-TH-94-12-01	An Improved Procedure for Developing a Calibrated Hourly Simulation Model of an Electrically Heated and Cooled Commercial Building, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Bou-Saada, T. E.	Link
ESL-TH-94-12-05	Analysis of Mass Flow and Enhanced Mass Flow Methods of Flashing Refrigerant-22 from a Small Vessel, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Nutter, D. W.	Link
ESL-TH-94-12-12	An Experimental Investigation of the Effect of Oil on Convective Heat Transfer and Pressure Drop of a HFC-32/HFC-125 Mixture, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i>	McImsey, B. A.	Link
ESL-TH-94-12-13	Numerical Modeling of the Transient Thermal Interference of Vertical U-Tube Heat Exchangers, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Muraya, N. K.	Link
ESL-TR-94-12-01	Advanced DOE-2 Calibration Procedures: A Technical Reference Manual, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Bou-Saada, T. E.	Link
ESL-TR-94-12-03	Thermal Energy Measurement with Tangential Paddlewheel Flow Meters: Summary of Experimental Results and in-situ Diagnostics, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Haberl, J.; Watt, J.	Link
ESL-TR-94-12-04	Cool Storage Applications in the Texas LoanSTAR Program: Overview and Preliminary Results, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Abbas, M.; Haberl, J.; Turner, W. D.	Link
ESL-TR-94-12-06	The USDOE Forrestal Building Lighting Retrofit: Preliminary Analysis of Electricity Savings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Haberl, J.; Bou-Saada, T. E.; Vajda, E. J.; Shincovich, M.; D'Angelo III, L.; Harris, L.	Link
ESL-TR-94-12-07	Bias in Predicting Annual Energy Use in Commercial Buildings with Regression Models Developed from Short Data Sets, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Katipamula, S.; Reddy, T. A.; Claridge, D. E.	Link
ESL-TR-94-12-08	A Modified Analytical Method for Simulating Cyclic Operation of Vertical U-Tube Ground-Coupled Heat Pumps, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Dobson, M. K.; O'Neal, D. L.; Aldred, W.	Link
ESL-TR-94-12-11	Analysis of Energy Conservation Options for USDOE Child Development Center, Final Summary Report, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Bou-Saada, T. E.; Haberl, J.	Link
ESL-TR-94-12-12	Two-Phase Flow of Two HFC Refrigerant Mixtures Through Short Tube Orifices, Draft Final Report, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Payne, W. V.; O'Neal, D. L.	Link
ESL-PA-94-03-01	Development and Application of Regression Models to Predict Cooling Energy Consumption in Large Commercial Buildings, <i>Solar Engineering 1994: Proceedings of the 1994 ASME/JSME/SES International Solar Energy Conference</i> , San Francisco, CA, March 27 – 30, pp. 307 – 322.	Katipamula, S.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-94-03-02	Enhancing Thermal Energy Efficiency of Terminal Reheat HVAC Systems by Coil-Bypass, <i>Solar Engineering 1994: Proceedings of the 1994 ASME/JSME/SES International Solar Energy Conference</i> , San Francisco, CA, March 27 – 30.	Reddy, T. A.	Link
ESL-PA-94-03-03	Improved Fourier Series Approach to Modeling Hourly Energy Use in Commercial Buildings, <i>Solar Engineering 1994: Proceedings of the 1994 ASME/JSME/SES International Solar Energy Conference</i> , San Francisco, CA, March 27 – 30.	Dhar, A.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-94-07-08	Prediction of US Crude Oil Using Growth Curves, <i>Energy - The International Journal</i> Vol.19, pp. 813-815, 1994.	Heffington, W. M.; Brasovan, W. M.	Link
ESL-PA-94-08-04	The Effect of Improper Refrigerant Charging on the Performance of a Residential Heat Pump with Fixed Expansion Devices (Capillary Tube and Short Tube Orifice), <i>Proceedings of the 29th Intersociety Energy Conversion Engineering Conference</i> , August 7 – 11, Monterey, CA, Pt. 2, pp. 921 – 926.	Farzad, M.; O'Neal, D. L.	Link
ESL-PA-94-08-06	Energy Retrofits Can Cut Use and Costs, <i>Mechanical Engineering</i> , August, pp. 64 – 67	Claridge, D. E.; Haberl, J. S.; Turner, W. D.; O'Neal, D. L.	Link
ESL-PA-95-01-01	Comparison of Energy Prediction of Three Ground-Coupling Heat Transfer Calculation Methods, <i>ASHRAE Transactions: Research</i> , Vol. 101, Pt. 1, pp. 158 – 172.	Krarti, M.; Claridge, D. E.; Nicoulin, C.V.; Kreider, J. F.	Link
ESL-PA-95-01-02	Frequency Response Analysis of Ground-Coupled Building Envelope Surfaces, <i>ASHRAE Transactions: Research</i> , Vol. 101, Pt. 1, pp. 355 – 369.	Krarti, M.; Claridge, D. E.; Kreider, J. F.	Link
ESL-PA-95-01-03	Atrium Buildings: Thermal Performance and Climatic Factors, <i>ASHRAE Transactions: Research</i> , Vol. 101, Pt. 1, pp. 454 – 460.	Atif, M. R.; Claridge, D. E.; Boyer, L. L.; Degelman, L. O.	Link
ESL-TR-95-01-04	Reduce Building Energy Consumption by Improving the Supply Air Temperature Schedule and Recommissioning the Terminal Boxes, Submitted to the Energy Management and Operations Division at the M.D. Anderson Cancer Center, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Liu, M.; Athar, A.; Zhu, Y.; Claridge, D. E.	Link

ESL-PA-95-02-01	The Functional Basis of Steady-State Thermal Energy Use in Air-Side HVAC Equipment, <i>Journal of Solar Energy Engineering, ASHRAE Transactions</i> , Vol. 117, pp. 31 – 39.	Reddy, T. A.; Katipamula, S.; Kisoock, J. K.; Claridge, D. E.	Link
ESL-PA-95-03-01	Thermal Energy Measurement with Tangential Paddlewheel Flow Meters: Summary of Experimental Results and In-Situ Diagnostics, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 2, pp. 741 – 750.	Haberl, J.; Watt, J.	Link
ESL-TR-95-03-01	Cool Storage Applications in the Texas LoanStar Program: Overview and Preliminary Results, <i>Energy Systems Laboratory, Texas A&M University</i> .	Abbas, M.; Haberl, J.; Turner, W. D.	Link
ESL-PA-95-04-01	Bias in Predicting Annual Energy Use in Commercial Buildings with Regression Models Developed from Short Data Sets, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 99 – 110.	Katipamula, S.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-95-04-02	A Bin Method for Calculating Energy Conservation Retrofit Savings in Commercial Buildings, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 111 – 123.	Thamilseran, S.; Haberl, J.	Link
ESL-PA-95-04-03	Empirical Correlations Between Annual Cost Savings and Implementation Costs for Various Categories of Energy Conservation Retrofit Projects in Commercial Buildings, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19–24, Vol. 1, pp. 135–144.	Saman, N. F.; Britton, A. J.; Reddy, T. A.; Heffington, W. M.	Link
ESL-PA-95-04-04	An Artificial Neural Network with Wavelet Basis Functions to Predict Hourly Heating and Cooling Energy Use in Commercial Buildings with Temperature as the Only Weather Variable, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 145 – 156.	Dhar, A.; Claridge, D. E.; Ruch, D.	Link
ESL-PA-95-04-05	Recurrent Neural Networks for Building Energy Use Prediction and System Identification – a Progress Report, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 157 – 165.	Kreider, J. F.; Claridge, D. E.; Curtiss, P.; Dodier, R.; Haberl, J.; Krarti, M.	Link
ESL-PA-95-04-06	Cool Storage Applications in the Texas LoanSTAR Program: Overview and Preliminary Results, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 187 – 195.	Abbas, M.; Haberl, J.; Turner, W. D.	Link
ESL-PA-95-04-07	Application of Calibrated HVAC System Models to Identify Component Malfunctions and to Optimize the Operation and Control Schedules, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 209 – 217.	Liu, M.; Claridge, D. E.	Link
ESL-PA-95-04-08	Heat Flux Error of Steady-State Method for Building Components under Dynamic Conditions, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 219 – 227.	Liu, M.; Claridge, D. E.	Link
ESL-PA-95-04-09	Development of a Transient Heat and Mass Transfer Model of Residential Attics Used to Simulate Radiant Barrier Retrofits, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 253 – 263.	Medina, M. A.; O’Neal, D. L.; Turner, W. D.	Link
ESL-PA-95-04-10	Modeling the Delay Hot/Cold Water Problem, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 265 – 271.	Saman, N. F.; Mahdi, H.	Link
ESL-PA-95-04-11	The USDOE Forrestal Building Lighting Retrofit: Preliminary Analysis of Electricity Savings, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 295 – 304.	Haberl, J.; Bou Saada, T. E.; Vajda, E. J.; Shincovich, M.; D’Angelo III, L. A.; Harris, L.	Link
ESL-PA-95-04-12	A Modified Analytical Method for Simulating Cyclic Operation of Vertical U-Tube Ground-Coupled Heat Pumps, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 69 – 76.	Dobson, M. K.; O’Neal, D. L.; Aldred, W.	Link
ESL-PA-95-04-13	Effect of a Ninety Degree Elbow on the Accuracy of a Non-Magnetic, Insertion Paddle Wheel Flowmeter, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 2, pp. 731 – 740.	Parker, B.; O’Neal, D. L.	Link
ESL-PA-95-04-15	A Fourier Series Model to Predict Hourly Heating and Cooling Energy Use in Commercial Buildings with Outdoor Temperature as the Only Weather Variable, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 125 – 134.	Dhar, A.; Reddy, T. A.; Claridge, D. E.	Link
ESL-IE-95-04-01	Energy Purchasing/Marketing Strategies - Energy Service Agreement	Filak, J. J.; Jr.	Link
ESL-IE-95-04-02	Avoiding and Managing Interruptions of Electric Service Under an Interruptible Contract or Tariff	Evans, G. W.	Link
ESL-IE-95-04-03	Opportunities for Energy Efficiency Improvements in Oil Production in Kansas: A Case Study	Egbert, R. I.; King J. E.	Link
ESL-IE-95-04-04	The Utility-Industry Partnership for Economic Development: A Troubled Marriage	Haeri, M. H.; Shaffer, S.	Link
ESL-IE-95-04-05	Industry / Utility Partnerships: Formula for Success	Smith, W. R.; Spriggs, H. D.	Link
ESL-IE-95-04-06	Impact of Motor Failures on Payback Periods	Cheek, K. F.; Pillay, P.; Dudley, K. J.	Link
ESL-IE-95-04-07	Efficient Motor System Tools Sponsored by the DOE Motor Challenge Program	Scheinhing, P.; Blazewicz, S.; Olszewski, M.; McCoy, G. A.	Link
ESL-IE-95-04-08	Midwest Motor Systems Consortium- A Unique Business Partnership	Hackner, R.; Cockrill, C.	Link
ESL-IE-95-04-09	Market Opportunities for Electric Drive Compressors for Gas Transmission, Storage, and Processing	Parent, L. V.; Ralph, H. D.; Schmeal, W. R.	Link
ESL-IE-95-04-10	The Mobile Test and Demonstration Unit, A Cooperative Project Between EPRI, Utilities and Industry to Demonstrate New Water Treatment Technologies	Strasser, J.; Mannapperuma, J.	Link
ESL-IE-95-04-11	Enhanced Customer/Utility Relations Through an EPRI Assisted Project	Bailey, H.	Link
ESL-IE-95-04-12	Applications of Mechanical Vapor Recompression to Evaporation and Crystallization	Outland, J.	Link
ESL-IE-95-04-13	First Year Analysis of Industrial Energy Conservation/Management of The Texas A&M University - Kingsville Energy Analysis and Diagnostic Center	Medina, M. A.; Elkassabgi, Y.	Link
ESL-IE-95-04-14	Impact of the Texas A&M University Industrial Assessment Center on Energy Conservation Behavior of Small to Medium-Sized Manufacturing Firms	Eggebrecht, J. A.	Link
ESL-IE-95-04-15	Further Findings Concerning Electrical Energy Monitoring in an Industrial Plant	Lewis, D. R.; Dorhofer, F. J.; Heffington, W. M.	Link
ESL-IE-95-04-16	Energy Analysis and Diagnostics: A Computer Based Tool for Industrial Self Assessment	Gopalakrishnan, B.; Plummer, R. W.; Nagarajan, S.; Kolluri, R.	Link
ESL-IE-95-04-17	Metering and Monitoring Approaches for Verifying Energy Savings from Energy Conservation Retrofits: Experiences from the Field	McBride, J. R.; Bohmer, C.J.; Lippman, R. H.	Link
ESL-IE-95-04-18	Running Process Plant Utilities Like A Business	Pavone, A.	Link
ESL-IE-95-04-19	Doing It: A Process to Screen, Design, Implement, and Evaluate Industrial Eco-Efficiency Projects	Stein, J.; Robertson, C.; Klein, R. C.	Link
ESL-IE-95-04-20	Discovering the Value of “Gaining Through Training”	Lee, R. C.; Hahn, G. E.	Link
ESL-IE-95-04-21	Industrial Approaches to Reducing Energy Costs in a Restructuring Electric Industry	Lowe, E. T.	Link
ESL-IE-95-04-22	Merging Energy Conservation and Air Toxic Compliance for DOD Industrial Facilities	Northrup, J.; Lin, M. C.; Edgar, D.; Smith, W.	Link

ESL-IE-95-04-23	Improving Unit Operations - Test Station Performance	Filak, J. J.; Jr.	Link
ESL-IE-95-04-24	Waste Management Trends in Texas Industrial Plants	Smith, C. S.; Heffington W. M.	Link
ESL-IE-95-04-25	On Decision Making Following an Industrial Energy Audit	Muller, M. R.; Barnish, T.; Polomski, P. P.	Link
ESL-IE-95-04-26	Implementation Study of Energy Conservation Recommendations in the Upper Midwest Region	Heisinger, K. P.; Bassett, K.; Twedt, M. P.	Link
ESL-IE-95-04-27	Improved Audit Implementation through Programmed Report Delivery	Brown, M. L.; Gurta, M. E.; Meffert, W. A.	Link
ESL-IE-95-04-28	A Plastic-Core Compact Heat Exchanger for Energy Conservation	Lazaridis, A.; Rafailidis, E.; Cowart, L.	Link
ESL-IE-95-04-29	Optimizing Process Loads in Industrial Cogeneration Energy Systems	Ahner, D. J.; Babson, P. E.	Link
ESL-IE-95-04-30	Oil Field Electrical Energy Savings through Energy-Efficient Motor Retrofits	Ula, S.; Bershinsky, V.; Cain, W.	Link
ESL-IE-95-04-31	Designing Concepts for Power Distribution Equipment Serving Non-Linear Loads	Massey, G. W.	Link
ESL-IE-95-04-32	Current Generated Harmonics and Their Effect Upon Electrical Industrial Systems	Alexander, H. R.; Rogge, D. S.	Link
ESL-IE-95-04-33	Helping C&I Customers to get C. L. E. A. N.	Williams, J.; Beames, B.	Link
ESL-IE-95-04-34	Energy, Product, and Economic Implications of Environmental Compliance Options -Lessons Learned from a Southern California Case Study	Kyriopoulos, P. F.; Faruqui, A.; Chisti, I.	Link
ESL-IE-95-04-35	Energy Efficiency Opportunities for Small to Medium Sized Paper and Paperboard Mills	Zacuto, P. J.	Link
ESL-IE-95-04-36	Energy Analysis of a Kraft Pulp Mill: Potential for Energy Efficiency and Advanced Biomass Cogeneration	Nilsson, L. J.; Larson, E. D.; Subbiah, A.	Link
ESL-IE-95-04-37	Condensing Heat Exchanger for Optimization of Energy Efficiency	Johnson, D. W.; DiVitto, J. G.; Schulze, K. H.; Carrigan, J. F.	Link
ESL-IE-95-04-38	Cycling Losses During Screw Air Compressor Operation	Wheeler, G.; Bushnell, D.; Maxwell, J. B.	Link
ESL-IE-95-04-39	Thermal Efficiency Optimization for Industrial Power Plants Under Load Fluctuations Using Fuzzy Logic	de Sam Lazaro, A.; Steffenhagan, W.	Link
ESL-IE-95-04-40	Optimization of Industrial Refrigeration Systems	Flack, P. J.; Sharp, M. K.; Case, M. E.; Gregory, R. W.; Case, P. L.	Link
ESL-IE-95-04-41	Cooling Semiconductor Manufacturing Facilities with Chilled Water Storage	Fiorino, D. P.	Link
ESL-IE-95-04-42	Steam System Losses	Sneary, M. L.; Buchanan, M. G.	Link
ESL-IE-95-04-43	The Pumpless Alternative to Condensate Return	Sneary, M. L.; Buchanan, M. G.	Link
ESL-IE-95-04-44	Cooling Towers Make Money	Burger, R.	Link
ESL-IE-95-04-45	Speed Control in Industrial Refrigeration: Theory, Application and Case Study	Wilcox, M. H.	Link
ESL-IE-95-04-46	Applications of HRSG Simulation	Ganapathy, V.	Link
ESL-IE-95-04-47	Future Competitive Positioning of Electric Utilities and Their Customers	Schrock, D.; Parker, G.; Baechler, M.	Link
ESL-IE-95-04-48	Design and Build – Cost-Effective Energy Conservation: An Opportunity for the Competitive Market	McGeown, D. I.	Link
ESL-IE-95-04-49	Garnering the Industrial Sector: A Comparison of Cutting Edge Industrial DSM Programs	Kyriopoulos, P. F.; Wikler, G. A.; Faruqui, A.; Wood, B. G.	Link
ESL-IE-95-04-50	A Comparison of Demand Side Management Data Assessment Procedures for Small and Medium-sized Manufacturing Plants	Matheidas, M. T.; Heffington, W. M.	Link
ESL-IE-95-04-51	Industrial DSM: Beyond High Efficiency Lights and Motors	Appelbaum, B.	Link
ESL-PA-95-05-01	Defrost Cycle Performance for an Air-Source Heat Pump with a Scroll and a Reciprocating Compressor, <i>International Journal of Refrigeration</i> , Vol. 18, No. 2, February, pp. 107 – 112.	Payne, V.; O'Neal, D. L.	Link
ESL-PA-95-05-02	Analytical Model to Predict Nonhomogeneous Soil Temperature Variation, <i>Journal of Solar Energy Engineering, ASME Transactions</i> , Vol. 117, pp. 100 – 107.	Krarti, M.; Claridge, D. E.; Kreider, J. F.	Link
ESL-PA-95-05-03	A Procedure for Plotting the Sun-Path Diagram, and Shading Mask Protector, <i>Journal of Solar Energy Engineering</i> , May 1995, Vol. 117 / 153.	McWatters, K.; Haberl, J.	Link
ESL-TH-95-05-03	Development of Fourier Series and Artificial Neural Network Approaches to Model Hourly Energy Use in Commercial Buildings, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Dhar, A.	Link
ESL-TH-95-05-04	The Effects of Outdoor Heat Exchanger Hydrophobic Treatment on the Performance of an Air Source Heat Pump, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Parker, B. D.	Link
ESL-TH-95-05-05	A Prediction of Energy Savings Resulting from Building Infiltration Control, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	McWatters, K. R.	Link
ESL-PA-95-07-01	A Weather-Daytyping Procedure for Disaggregating Hourly End-Use Loads in an Electrically Heated and Cooled Building from Whole-Building Hourly Data, <i>Proceedings of the 30th Intersociety Energy Conversion Engineering Conference</i> , July 30 – August 4, 1995.	Bou-Saada, T. E.; Haberl, J.	Link
ESL-PA-95-07-02	Reducing Building Energy Costs using Improved Operation Strategies for Constant-Volume Air-Handling Systems, <i>ASHRAE Transactions</i> 1995, Vol. 101, Pt. 2, pp. 688 – 700.	Liu, M.; Athar, A.; Reddy, T. R.; Claridge, D. E.; Haberl, J.; White, E.	Link
ESL-PA-95-07-03	An Evaluation of the Impact of Using Measured Weather Data Vs. TMY Weather Data in a DOE-2 Simulation, <i>ASHRAE Transactions</i> 1995, Vol. 101, Pt. 2, pp. 558 – 576.	Haberl, J.; Bronson, D. J.; O'Neal D. L.	Link
ESL-PA-95-08-01	An Improved Procedure for Developing Calibrated Hourly Simulation Models, <i>Proceedings of the 4th International Building Performance Simulation Association Conference</i> , August 14-16.	Bou-Saada, T. E.; Haberl, J.	Link
ESL-PA-95-08-02	Effect of Time Resolution on Statistical Modeling of Cooling Energy Use in Large Commercial Buildings, <i>ASHRAE Transactions</i> 1995, Vol. 101, Pt. 2.	Katipamula, S.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-95-08-06	Building Energy Use Prediction and System Identification using Recurrent Neural Networks, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 117, pp. 161 – 166.	Kreider, J. F.; Claridge, D. E.; Curtiss, P.; Dodier, R.; Haberl, J.; Krarti, M.	Link
ESL-PA-95-08-07	The Energy Impact of Air Leakage through Insulated Walls, <i>Journal of Solar Energy Engineering, ASME Transactions</i> , Vol. 117, pp. 167 – 172.	Bhattacharyya, S.; Claridge, D. E.	Link
ESL-PA-95-08-08	Building Energy Use Prediction and System Identification using Recurrent Neural Networks, <i>Journal of Solar Energy Engineering: Transactions of the ASME</i> , August, Vol. 117, pp. 161 – 166.	Kreider, J. F.; Claridge, D. E.; Curtiss, P.; Dodier, R. ; Haberl, J.; Krarti, M.	Link
ESL-PA-95-08-09	An Analytical Solution to Transient Heat Conduction in a Composite Region with a Cylindrical Heat Source, <i>ASME Journal of Solar Energy Engineering</i> , Volume 117, No. 3, pp. 242-248, August, 1995.	Gu, Y.; O'Neal, D. L.	Link
ESL-TH-95-08-01	Effect of Refrigerant Charge, Duct Leakage, and Evaporator Air Flow on the High Temperature Performance of Air Conditioners and Heat Pumps, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Rodriguez, Angel Gerardo	Link

ESL-TH-95-08-02	The Effect of Hardware Configuration on the Performance of Residential Air Conditioning Systems at High Outdoor Ambient Temperatures, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Bain, J. A.	Link
ESL-TH-95-08-03	Performance of Energy Management Control Systems (EMCS) in Selected Texas LoanSTAR Buildings, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Schmode, M.	Link
ESL-TH-95-08-04	Effect of Backfill on the Performance of a Vertical U-Tube Ground Coupled Heat Pump, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Gu, Y.	Link
ESL-TR-95-08-04	Savings Analysis of Utility Bills for Unmonitored Sites, Volume I: Procedures, Results, and Discussion, Texas LoanSTAR Monitoring and Analysis Program, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Wei, G.; Eggebrecht, J.; Saman, N. F.; Claridge, D. E.	Link
ESL-TR-95-08-05	Savings Analysis of Utility Bills for Unmonitored Sites, Volume II: Detailed Savings Calculations, Texas LoanSTAR Monitoring and Analysis Program, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Wei, G.; Eggebrecht, J.; Saman, N. F.; Claridge, D. E.	Link
ESL-PA-95-09-04	Impact of Air Infiltration in Frame Walls on Energy Loads: Taking Advantage of the Interaction between Infiltration, Solar Radiation, and Conduction, Published in the <i>Airflow Performance of Building Envelopes, Components and Systems</i> , Edited by Mark P. Modera and Andrew K. Persily.	Claridge, D.; Liu, M.; Bhattacharyya, S.	Link
ESL-PA-95-09-05	An Advanced Economizer Controller for Dual Duct Air Handling Systems-with a Case Application, <i>Tsinghua-HVAC-'95 Conference</i> , Beijing, China.	Liu, M.; Claridge, D. E.	Link
ESL-TR-95-09-01	Testing and Economic Evaluation of a High Efficiency 10 Ton Rooftop Air Conditioner, Final Report submitted to the Environmental Protection Agency, Global Change Division, Washington, D.C., <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	O'Neal, D. L.; Davis, M. A.	Link
ESL-TR-95-09-02	The Great Building Energy Predictor Shootout II: Measuring Retrofit Energy Savings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Thamilseran, S.; Haberl, J.	Link
ESL-TR-95-10-01	Development of Baseline Monthly Utility Models, Stabilization of Data Logging Environment and Development of Metering Plan and Shopping List for Fort Hood, Texas, Research sponsored by U.S. Army Construction Engineering Research Laboratories, Champaign, Illinois, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Saman, N. F.; Reddy, T. A.; Haberl, J.; Claridge, D. E.; Turner, W. D.	Link
ESL-PA-95-11-01	A Comparison of Critical Flow Models for Estimating Two-Phase Flow of HCFC22 and HFC134a through Short Tube Orifices, <i>International Journal of Refrigeration</i> , Vol. 18, No. 7, pp. 447 – 455.	Kim, Y.; O'Neal, D. L.	Link
ESL-TR-95-11-01	A Report on the Environmental Impact of the Texas LoanSTAR Program from May 1989 to September 1995, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Abbas, M.; Turner, W. D.; Claridge, D. E.; Haberl, J.; Saman, N. F.	Link
ESL-PA-95-12-02	A Comparison of Critical Flow Models for Estimating Two-Phase Flow of HCFC 22 and HFC 134a Through Short Tube Orifices, <i>International Journal of Refrigeration</i> , Vol. 18, No. 7, December, 1995.	Kim, Y.; O'Neal, D. L.	Link
ESL-TH-95-12-01	Comparison of the Prediction Accuracy of Daily and Monthly Regression Models for Energy Consumption in Commercial Buildings, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Wang, J.	Link
ESL-TH-95-12-02	Aerosol Deposition in Transport Lines	Muyschondt, A.	Link
ESL-TH-95-12-03	Effects of Hydrophobic Surface Treatments on Dropwise Condensation and Freezing of Water, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Bryant, J. A.; O'Neal, D. L.	Link
ESL-TR-95-12-02	The USDOE Forrestal Building Lighting Retrofit: Analysis of Electrical and Thermal Energy Savings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Haberl, J.; Bou-Saada, T. E.	Link
ESL-TR-95-12-03	DOE-2 Simulations for Cuero and Karnes County Prison Sites: Draft Progress Report, <i>Energy Systems Laboratory, Texas A&M University.</i>	Bou-Saada, T. E.; Munger, B. K.; Saman, N. F.; Haberl, J.	Link
ESL-PA-96-01-01	Impact of the Suction Line Accumulator on the Frost/Defrost Performance of an Air-Source Heat Pump with a Scroll Compressor, <i>ASHRAE Transactions: Research</i> , Vol. 102, Pt. 1, pp. 284 - 290, January, 1996.	Nutter, D. W.; O'Neal, D. L.; Payne, W. V.	Link
ESL-TR-96-01-01	Preliminary Study of Advanced Diagnostic Prescreening Methods Volume 1: Summary, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Landman, D. S.; Haberl, J.	Link
ESL-TR-96-02-01	Measuring Energy-Saving Retrofits: Experiences from the Texas LoanSTAR Program, <i>Oak Ridge National Laboratory Report No. ORNL/Sub/93-SP090/1, Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Haberl, J.; Reddy, T. A.; Claridge, D. E.; Turner, W. D.; O'Neal, D. L.; Heffington, W. M.	Link
ESL-PA-96-03-02	Status of Residential Short-Term Performance Monitoring Methods, <i>Solar Engineering 1996: Proceedings of the 1996 International Solar Energy Conference</i> , San Antonio, TX, March 31 – April 3, pp. 359 – 367.	Reddy, T. A.	Link
ESL-PA-96-03-03	Energy Audit Process Simplifications from the Texas LoanSTAR Program, <i>ASHRAE Transactions 1996</i> , Vol. 102, Pt. 1, pp. 68 – 75.	Heffington, W. M.; Saman, N. F.; Britton, A. J.; Reddy, A. T.	Link
ESL-PA-96-03-04	Analysis of a Cool Storage System at a Multipurpose Convention Center, <i>Solar Engineering 1996: Proceedings of the 1996 International Solar Energy Conference</i> , San Antonio, TX, March 31 – April 3, pp. 379 – 386.	Abbas, M.; Haberl, J.; Claridge, D. E.; O'Neal, D. L.	Link
ESL-TR-96-03-01	Development and Use of Baseline Monthly Utility Models for Eight Army Installations Around the United States, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Reddy, T. A.; Saman, N. F.; Claridge, D. E.; Haberl, J.; and Turner, W. D.	Link
ESL-PA-96-04-03	Generalization of the Fourier Series Approach to Model Hourly Energy Use in Commercial Buildings, <i>Transactions of the ASME</i> , February 1999, Volume 121, pp. 54-62.	Dhar, A.; Reddy, T. A.; Claridge, D. E.	Link
ESL-TR-96-04-01	Data Polling Routine (PlotHood) to Generate Weekly Inspection Plots for Fort Hood, Texas, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Saman, N. F.; Reddy, T. A.; Haberl, J.; Claridge, D. E.; Turner, W. D.	Link
ESL-IE-96-04-01	Energy Conservation and Waste Reduction in the Metal Fabrication Industry	Kirk, Jr.; M.; Looby, G.	Link
ESL-IE-96-04-02	A Common Sense Approach to Energy Issues in Industry	Richards, F.	Link
ESL-IE-96-04-03	Waste Management Recommendations in the Texas A&M University Industrial Assessment Center Program	Eggebrecht, J.; Heffington, W.	Link
ESL-IE-96-04-04	Energy Conservation Through Heating/Cooling Retrofits in Small and Medium-Sized Industrial Plants	Saman, N.; Eggebrecht, J.	Link
ESL-IE-96-04-05	Development of DOD Process Energy and Pollution Reduction (PEPR) Analysis Tool	Lin, M.; Northrupand, J.; Lorand, R.; Fraser, M.	Link
ESL-IE-96-04-06	Unique University and Utility Team Reduces Energy and Pollutants	Smith, K.; Traill, D.; Sears, R.; Spielman, M.	Link
ESL-IE-96-04-07	Economical Energy Storage Enhances Energy Purchasing Strategies	Hanson, D.; Winters, P.	Link
ESL-IE-96-04-08	Industrial Energy Efficiency in Ukraine: The Business Outlook	Evans, M.	Link
ESL-IE-96-04-09	Energy Efficiency Business in China: A Roadmap for American Companies	Hamburger, J.; Sinton, J.	Link
ESL-IE-96-04-10	Industrial Energy Use and Energy Efficiency in Developing Countries	Price, L.; Martin, N.; Levine, M.	Link
ESL-IE-96-04-11	Partnerships: The Value of Two Companies Working Together	Newell, R.	Link
ESL-IE-96-04-12	Measured Performance Signature Method	Ahner, D.	Link
ESL-IE-96-04-13	Benchmarking Process Energy Performance from Historical Data: Bringing Sanity into Energy Budgets	Severson, D.	Link
ESL-IE-96-04-14	Thermal Monitoring Approaches for Energy Savings Verification	McBride, J.; Bohmer, C.; Lippman, R.; Zern, M.	Link

ESL-IE-96-04-15	Development of Baseline Monthly Utility Models for Ft. Hood, Texas	Reddy, T.; Saman, N.; Claridge, D.; Haberl, J.; Turner, W.; Chalifoux, A.	Link
ESL-IE-96-04-16	On-Site Diesel Generation--How You Can Reduce Your Energy Costs	Charles, D.	Link
ESL-IE-96-04-17	Utilities: Emerging Opportunities in Performance Contracting	Wood IV, G.	Link
ESL-IE-96-04-18	Utilities Sell Lighting, Cooling and Heating to Large Customers	Horne, M.; Zien, H.	Link
ESL-IE-96-04-19	An Energy Services Initiative	Beasley, R.; Tipton, J.; Ehmer, R.	Link
ESL-IE-96-04-20	Improving Energy and Process Efficiencies: A Case Study	Spriggs, H.; Smith, W.	Link
ESL-IE-96-04-21	Chemical Treatment Fosters Zero Discharge by Making Cooling Water Reusable	Boffardi, B.	Link
ESL-IE-96-04-22	Airborne Emissions from Storage Tanks: What's New on the Regulatory Front and How to Cope with the Changes	Ferry, R.	Link
ESL-IE-96-04-23	Low-Value Waste Gases as an Energy Source	Waibel, R.	Link
ESL-IE-96-04-24	Energy Savings Through Application of Model Predictive Control to an Air Separation Facility	Hanson, T.; Scharf, P.	Link
ESL-IE-96-04-25	Flair Noise Reduction for Exxon Chemical--Baytown Olefins Plant: 1994 CMA Energy Efficiency Award for "Flare Noise Reduction" in the category of "public Outreach/Plant Site"	Bradham, S.; Stephan, R.	Link
ESL-IE-96-04-26	Approaches Toward Achieving Optimum Efficiency in Rerates of Large Centrifugal Compressors	Rudisel, D.	Link
ESL-IE-96-04-27	Options for Generating Steam Efficiently	Ganapathy, V.	Link
ESL-IE-96-04-28	Steam Trap Maintenance as a Profit Center	Bouchillon, J.	Link
ESL-IE-96-04-29	Implementing an Energy Management Strategy for a Houston Refinery	Wood, S.; Agrawaland, R.; Canon, D.	Link
ESL-IE-96-04-30	Status of the U. S. Department of Energy's Motor Challenge Showcase Demonstration Projects	Szady, A.; Jallouk, P.; Olszewski, M.; Scheihing, P.	Link
ESL-IE-96-04-31	3M's Motor Challenge Showcase Demonstration Project	Schultz, S.	Link
ESL-IE-96-04-32	Making Compressed Air System Decisions	Porri, R.	Link
ESL-IE-96-04-33	Hill Air Force Base Energy Performance Contract	Leach, M.	Link
ESL-TR-96-05-01	Potential Operation and Maintenance (O&M) Opportunities at the Florida Department of Highway Safety and Motor Vehicles	Athar, A.; Liu, M.; Turner, D.	Link
ESL-PA-96-05-02	Impacts of Static Pressure Set Level on the HVAC Energy Consumption and Indoor Conditions	Liu, M.; Zhu, Y.; Claridge, D. E.; White, E.	Link
ESL-PA-96-05-03	Use of EMCS Recorded Data to Identify Potential Savings Due to Improved HVAC Operations & Maintenance (O&M)	Liu, M.; Zhu, Y.; Claridge, D. E.	Link
ESL-PA-96-05-04	A Calibration Methodology for Retrofit Projects Using Short-Term Monitoring and Disaggregated Energy Use Data	Soebarto, V. I.; Degelman, L. O.	Link
ESL-PA-96-05-05	Effect of a 90° Elbow on the Accuracy of an Insertion Flowmeter, Results and Comparisons for 4 and 6 in. Diameter PVC Pipe	Bryant, J. A.; O'Neal, D. L.	Link
ESL-PA-96-05-06	Effect of Return Air Leakage on Air Conditioner Performance in Hot/Humid Climates	O'Neal, D. L.; Rodriguez, A.; Davis, M.; Kondepudi, S.	Link
ESL-PA-96-05-07	An Advanced Economizer Controller for Dual Duct Air Handling Systems - with a Case Application	Liu, M.; Claridge, D. E.	Link
ESL-PA-96-05-08	Computer Energy Modeling Techniques for Simulation Large Scale Correctional Institutes in Texas	Bou-Saada, T.; Saman, N.; Haberl, J.; Heneghan, T.	Link
ESL-PA-96-05-09	Monitoring & Analysis Program of Prison Sites for the Texas Department of Criminal Justice	Eggebracht, J. A.; Heneghan, T.	Link
ESL-PA-96-05-10	A Prediction of Energy Savings Resulting from Building Infiltration Control	McWatters, K.; Claridge, D. E.; Liu, M.	Link
ESL-PA-96-05-11	New MS-Windows-Based Educational Software for Teaching the Sunpath Diagram and Shading Mask Protractor	Oh, J. K. W.; Haberl, J.	Link
ESL-PA-96-05-12	Data Quality Requirements for Determining Energy Savings in the Weatherization Assistance Program (WAP)	Wang, J.; Reddy, A.; Claridge, D. E.; Haberl, J.; Pollard, W.	Link
ESL-PA-96-05-13	Development of Baseline Monthly Utility Models for Fort Hood, Texas	Reddy, T. A.; Saman, N. F.; Claridge, D. E.; Haberl, J.; Turner, W. D.; Chalifoux, A.	Link
ESL-PA-96-05-14	Use of DOE-2 to Evaluate Evaporative Cooling in Texas Correctional Facilities	Saman, N.; Bou-Saada, T.; Heneghan, T.	Link
ESL-TH-96-05-02	An Investigation of Heat Transfer During the Freezing of Condensate Droplets, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Gong, Y.	Link
ESL-TH-96-05-03	An Analysis of Salt and Moisture Deposition on the Air Sampling Probes in the Exhaust Shaft of the Waste Isolation Pilot Plant, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Weaver, G.	Link
ESL-HH-96-05-01	Solutions to Surgical Suite Temperature and Humidity Control	Crooks, K. W.	Link
ESL-HH-96-05-02	Alternate Air Delivery Systems for Hot and Humid Climates	Wallace, M.	Link
ESL-HH-96-05-03	Impacts of Static Pressure Set Level on the HVAC Energy Consumption and Indoor Conditions	Liu, M.; Zhu, Y.; Claridge, D. E.; White, E.	Link
ESL-HH-96-05-04	Ventilation Air Preconditioning Systems	Khattar, M.; Brandemuehl, M. J.	Link
ESL-HH-96-05-05	Use of EMCS Recorded Data to Identify Potential Savings Due to Improved HVAC Operations & Maintenance (O&M)	Liu, M.; Zhu, Y.; Claridge, D. E.	Link
ESL-HH-96-05-06	A Calibration Methodology for Retrofit Projects Using Short-Term Monitoring and Disaggregated Energy Use Data	Soebarto, V. I.; Degelman, L. O.	Link
ESL-HH-96-05-07	Effect of a 90° Elbow on the Accuracy of an Insertion Flowmeter, Results and Comparisons for 4 and 6 in. Diameter PVC Pipe	Bryant, J. A.; O'Neal, D. L.	Link
ESL-HH-96-05-08	Measured Impacts of Air Conditioner Condenser Shading	Parker, D. S.; Barkaszi, S. F.; Sonne, J. K.	Link
ESL-HH-96-05-09	Measured Effects of Retrofits - A Refrigerant Oil Additive and a Condenser Spray Device - On the Cooling Performance of a Heat Pump	Levins, W. P.; Sand, J. R.; Baxter, V. D.; Linkous, R. S.	Link
ESL-HH-96-05-10	Effect of Return Air Leakage on Air Conditioner Performance in Hot/Humid Climates	O'Neal, D. L.; Rodriguez, A.; Davis, M.; Kondepudi, S.	Link
ESL-HH-96-05-11	Sustainable Housing for Park Rangers in Big Bend National Park, Texas	Garrison, M.; Griswold, S.	Link
ESL-HH-96-05-12	Long Term Operation of Renewable Energy Building	Nelson, V.; Starcher, K.; Davis, D.	Link

ESL-HH-96-05-13	An Expert System for Determining Compliance with the Texas Building Energy Design Standard	Doan, E. C.; Hunn, B. D.; Jones, J. W.; Gatton, T. M.	Link
ESL-HH-96-05-14	Engitectural Design	Gagliardi, D. R.	Link
ESL-HH-96-05-15	Total Building Air Management: When Dehumidification Counts	Chilton, R. L.; White, C. L.	Link
ESL-HH-96-05-16	How to Get Comfortable with Dehumidification	Beever, R.	Link
ESL-HH-96-05-17	Optimizing Electric Humidifier Operation with an Air Side Economizer	Shami, U. F.	Link
ESL-HH-96-05-18	Advanced Technology for Economical Dehumidification to Improve Indoor Air Quality	Beckwith, W. R.	Link
ESL-HH-96-05-19	An Advanced Economizer Controller for Dual Duct Air Handling Systems - with a Case Application	Liu, M.; Claridge, D. E.	Link
ESL-HH-96-05-20	Can ASHRAE Standard 62-1989 Requirements be Satisfied while Maintaining Moisture Control using Stock HVAC Equipment in Hot, Humid Climates?	Turner, S. C.	Link
ESL-HH-96-05-21	Side-by-Side Testing of Commercial Office Lighting Systems: Two-lamp Fluorescent Fixtures	Parker, D. S.; Schrum, L.; Sonne, J. K.; Stedman, T. C.	Link
ESL-HH-96-05-22	Development of HVAC System Performance Criteria Using Factorial Design and DOE-2 Simulation	Hou, D.; Jones, J. W.; Hunn, B. D.; Banks, J. A.	Link
ESL-HH-96-05-23	Computer Energy Modeling Techniques for Simulation Large Scale Correctional Institutes in Texas	Bou-Saada, T.; Saman, N.; Haberl, J.; Heneghan, T.	Link
ESL-HH-96-05-24	Monitoring & Analysis Program of Prison Sites for the Texas Department of Criminal Justice	Eggebracht, J. A.; Heneghan, T.	Link
ESL-HH-96-05-25	Demand Controlled Ventilation for Improved Humidity Control	Rogers, J. K.	Link
ESL-HH-96-05-26	Using a Constant Volume Displacement Ventilation System to Create a Micro Climate in a Large Airport Terminal in Bangkok	Simmonds, P.; Gaw, W.	Link
ESL-HH-96-05-27	A Prediction of Energy Savings Resulting from Building Infiltration Control	McWatters, K.; Claridge, D. E.; Liu, M.	Link
ESL-HH-96-05-28	Analysis and System Design of a Large Chiller Plant for Korea, with or without Thermal Storage	Levin, C.; Simmonds, P.	Link
ESL-HH-96-05-29	Dynamic Analysis of Moisture Transport Through Walls and Associated Cooling Loads in the Hot/Humid Climate of Florianopolis, Brazil	Mendes, N.; Winkelmann, F. C.; Lamberts, R.; Philippi, P. C.; Da Cunha, Neto, J. A. B.	Link
ESL-HH-96-05-30	New MS-Windows-Based Educational Software for Teaching the Sunpath Diagram and Shading Mask Protractor	Oh, J. K. W.; Haberl, J.	Link
ESL-HH-96-05-31	Desiccants: Benefits for the Second Century of Air-Conditioning	McGahey, K.; Harriman, L.	Link
ESL-HH-96-05-32	Gas Powered Air Conditioning Absorption vs. Engine-Drive	Phillips, J. N.	Link
ESL-HH-96-05-33	On Target: A Complicated and Successful Energy Retrofit Program	Kimball, M. A.	Link
ESL-HH-96-05-34	Alternative Refrigerants for Building Air Conditioning	Bivens, D. B.	Link
ESL-HH-96-05-35	Patterns of Refrigerant Use Resulting From Regulations Designed to Protect the Environment	Thomas, R.	Link
ESL-HH-96-05-36	Results of a Field Test Using R-407C in Split System Heat Pumps	Boyd, A.	Link
ESL-HH-96-05-37	Data Quality Requirements for Determining Energy Savings in the Weatherization Assistance Program (WAP)	Wang, J.; Reddy, A.; Claridge, D. E.; Haberl, J.; Pollard, W.	Link
ESL-HH-96-05-38	Monitored Energy Use Patterns in Low-Income Housing in a Hot and Humid Climate	Parker, D. S.; Mazzara, M. D.; Sherwin, J. R.	Link
ESL-HH-96-05-39	Using the Internet to Stay Informed about Energy	Phillips, J.	Link
ESL-HH-96-05-40	Measured Performance of Energy-Efficient Computer Systems	Floyd, D. B.; Parker, D. S.	Link
ESL-HH-96-05-41	Development of Baseline Monthly Utility Models for Fort Hood, Texas	Reddy, T. A.; Saman, N. F.; Claridge, D. E.; Haberl, J.; Turner, W. D.; Chalifoux, A.	Link
ESL-HH-96-05-42	Mean Radiant Cooling in a Hot-Humid Climate	Garrison, M.	Link
ESL-HH-96-05-43	Use of DOE-2 to Evaluate Evaporative Cooling in Texas Correctional Facilities	Saman, N.; Bou-Saada, T.; Heneghan, T.	Link
ESL-HH-96-05-44	Heat Pipe Impact on Dehumidification, Indoor Air Quality and Energy Savings	Cooper, J. T.	Link
ESL-PA-96-06-01	Thermal Interference of Adjacent Legs in a Vertical U-tube Heat Exchanger for a Ground-Coupled Heat Pump, <i>ASHRAE Transactions: Research</i> , Volume 102, Pt. 2, pp.12-21, June 1996.	Muraya, N.; O'Neal, D. L.; Heffington, W. M.	Link
ESL-PA-96-07-03-1	The Great Energy Predictor Shootout II: Measuring Retrofit Savings – Overview and Discussion of Results, <i>ASHRAE Transactions 1996</i> , Vol. 102, Pt. 2, pp. 419-435.	Haberl, J.; Thamilseran, S.	Link
ESL-PA-96-07-03-2	Great Energy Predictor Shootout II: Modeling Energy Use in Large Commercial Buildings, <i>ASHRAE Transactions 1996</i> , Vol. 102, Pt. 2.	Katipamula, S.	Link
ESL-PA-96-07-03-3	Great Energy Predictor Shootout II: A Bayesian Nonlinear Regression with Multiple Hyperparameters, from “The Great Energy Predictor Shootout II: Measuring Retrofit Energy Savings,” <i>ASHRAE Transactions 1996</i> , Vol. 102, Pt. 2.	Chonan, Y.; Nishida, K.; Matsumoto, T.	Link
ESL-PA-96-07-03-4	Measuring Retrofit Energy Savings Using Autoassociative Neural Networks, <i>ASHRAE Transactions 1996</i> , Vol. 102, Pt. 2.	Jang, K. J.; Bartlett, E. B.; Nelson, R. M.	Link
ESL-TR-96-07-01	Improving Building Energy System Performance by Continuous Commissioning, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Turner, W. D.; Liu, M.; Claridge, D. E.; Haberl, J.	Link
ESL-TR-96-07-02	An Evaluation of Energy-Saving Retrofits from the Texas LoanSTAR Program, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Haberl, J.; Claridge, D. E.; Heneghan, T.; Sieggreen, R.; Sims, J.	Link
ESL-PA-96-08-01	The Measured Energy Impact of Infiltration in an Outdoor Test Cell, <i>Transactions of the ASME</i> , Vol. 118, pp. 162 – 167.	Claridge, D. E.; Liu, M.	Link
ESL-TR-96-09-01	Operational Performance Evaluation of Boiler 9 at the TAMU Power Plant at College Station, Submitted to the Power Plant of Texas A&M University, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Wei, G.; Veteto, B.; Liu, M.	Link
ESL-TR-96-09-02	Monthly Variable-based Degree Day Template: A Spreadsheet Procedure Calculating a 3 Parameter Change-point Model for Residential or Small Commercial Buildings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Landman, D. S.; Haberl, J.	Link
ESL-PA-96-10-01	Exploring New Techniques for Displaying Complex Building Energy Consumption Data, <i>Energy and Buildings</i> , Vol. 24, pp. 27-38.	Haberl, J.; Sparks, R.; Culp, C.	Link
ESL-TR-96-10-01	Assessment and Suggestions to Improve the Commercial Building Module of EIA-NEMS, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	O'Neal, D. L.; Reddy, T. A.; Sucher, B.	Link
ESL-TR-96-10-02	Monthly Indices: A Procedure for Energy Use Display Creating Monthly Indices for Comparing the Energy Consumption of Buildings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Landman, D. S.; Haberl, J.	Link
ESL-TR-96-10-03	Estimated Savings from Turning Off Unnecessary Electrical Loads During Unoccupied Periods at the Langford Architecture Center, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Soebarto, V. I.; Haberl, J.; Degelman, L. O.	Link

ESL-TR-96-11-02	A Study of Diagnostic Pre-Screening Methods for Analyzing Energy Use of K-12 Public Schools, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Landman, D. S.; Haberl, J.	Link
ESL-PA-96-12-01	Effect of Reduced Evaporator Airflow on the High Temperature Performance of Air Conditioners, <i>Energy and Buildings</i> , Vol.24, No. 3, pp. 195-201, December, 1996.	Rodriguez, A. G.; O'Neal.; D. L.; Davis, M.; Kondepudi, S.	Link
ESL-PA-96-12-02	A Quasi-Steady State Model of Attic Heat Transfer in the Radiant Barriers, <i>Energy and Buildings</i> , Vol. 24, No. 3, pp. 183-194, December, 1996.	Winiarski, D.; O'Neal, D. L.	Link
ESL-TH-96-12-01	Aerosol Penetration through Transport Lines, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Dileep, V.R.	Link
ESL-TH-96-12-02	Contamination Effects on the Performance of a Heat Pump Charged with R-407c and POE Lubricant, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Fitzhenry, S.	Link
ESL-PA-96-07-03-5	Statistical Analysis of Neural Networks as Applied to Building Energy Prediction, from "The Great Energy Predictor Shootout II: Measuring Retrofit Energy Savings," <i>Journal of Solar Energy Engineering, ASHRAE Transactions, 1996</i> , pp. 495 – 505.	Dodier, R. H.; Henze, G. P.	Link
ESL-PA-96-08-02	Total Utility Savings from the 37,000 Fixture Lighting Retrofit to the U.S. DOE Forrestal Building, <i>Proceedings 4, Commercial Buildings: Technologies, Design, and Performance Analysis, 1996 ACEEE Summer Study on Energy Efficiency in Buildings</i> , pp. 4.31 – 4.48.	Bou-Saada, T.; Haberl, J.; Vajda, E. J.; Shincovich, M.; D'Angelo, L.; Harris, L.	Link
ESL-PA-96-08-03	Implementation of Continuous Commissioning in the Texas LoanSTAR Program: "Can You Achieve 150% of Estimated Retrofit Savings" Revisited, <i>Proceedings 4, Commercial Buildings: Technologies, Design, and Performance Analysis, 1996 ACEEE Summer Study on Energy Efficiency in Buildings</i> , pp. 4.59 – 4.67.	Claridge, D. E.; Liu, M.; Zhu, Y.; Abbas, M.; Athar, A.; Haberl, J.	Link
ESL-PA-96-08-04	Energy and IAQ Implications of Different Outdoor Air Ventilation Strategies for Terminal Reheat Variable Air Volume Systems, <i>Proceedings 4, Commercial Buildings: Technologies, Design, and Performance Analysis, 1996 ACEEE Summer Study on Energy Efficiency in Buildings</i> , pp. 4.297 – 4.309.	Reddy, T. A.; Liu, M.; Claridge, D. E.	Link
ESL-TR-97-01-01	Estimated Savings from Turning off Unnecessary Lights at the Langford Architecture Center During the 1996 Christmas Holidays, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Soebarto, V. I.; Haberl, J.; Degelman, L. O.	Link
ESL-TR-97-03-01	Analysis of the HVAC System at the Willow Branch Intermediate School, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Wei, G.	Link
ESL-PA-97-04-01	Development of an Inverse Method to Estimate Overall Building and Ventilation Parameters of Large Commercial Buildings, <i>Proceedings of the 1997 ASME International Solar Energy Conference</i> , Washington, D. C., April.	Deng, S.; Reddy, T. A.; Claridge, D. E.	Link
ESL-IE-97-04-01	Steam Power Partnership: Improving Steam System Efficiency Through Marketplace Partnerships	Jones, T.	Link
ESL-IE-97-04-02	Case Study: Georgia-Pacific Reduces Outside Fuel Costs and Increases Process Efficiency with Insulation Upgrade Program	Jackson, D.	Link
ESL-IE-97-04-03	Economic Impact of Control and Optimization on Industrial Utilities	Collins, D.; Lang, R.	Link
ESL-IE-97-04-04	CIBO's Energy Efficiency Handbook for Steam Power Systems	Bessette, R.	Link
ESL-IE-97-04-05	Capturing Energy Savings with Steam Traps	Bockwinkel, R.; French, S.	Link
ESL-IE-97-04-06	The US Motor Systems Market Assessment: Baseline and Survey Methods	Rosenberg, M.	Link
ESL-IE-97-04-07	Electric Motor Maintenance and Repair for Long Term Efficiency	Brithinee, W.	Link
ESL-IE-97-04-08	Operating Efficiency Comes From Teamwork	Relyea, D.; Stone, A.	Link
ESL-IE-97-04-09	Design Enhancements to Improve Flare Efficiency	Dooley, K.; McLeod, G.; Lorenz, M.	Link
ESL-IE-97-04-10	Achieving a Long Term Business Impact by Improving the Energy Effectiveness and Reliability of Electric Motors	Whelan, C.	Link
ESL-IE-97-04-11	Business Planning: A Key to Energy Efficiency in Russia	Evans, M.	Link
ESL-IE-97-04-12	CHP Modeling as a Tool for Electric Power Utilities to Understand Major Industrial Customers	Kumana, J.; Alanis, F.; Swad, t.; Shah, J.	Link
ESL-IE-97-04-13	The Gas/Electric Partnership	Schmeal, W.; Royall, D.; Wrenn, Jr.; K.	Link
ESL-IE-97-04-14	Utility/Industry Partnerships Involving Distributed Generation Technologies in Evolving Electricity Markets	Rastler, D.	Link
ESL-IE-97-04-15	Update of the Status of the U. S. Department of Energy's Motor Challenge Showcase Demonstration Projects	Szady, A.; Jallouk, P.; Olszewski, M.; Scheihing, P.	Link
ESL-IE-97-04-16	Performance Optimization of a Fan System-Overcoming Impacts of Modified Design Criteria Due to Regulatory Requirements and Changed Operating Conditions	Wroblewski, R.; Preis, F.; Smith, R.	Link
ESL-IE-97-04-17	An Analysis of Motor System Optimization Options- A Question of Diminishing Return on Investment	Wroblewski, R.; Herro, M.; Schiebel, S.; Waffenschmidt, D.	Link
ESL-IE-97-04-18	"Climate Wise" in the Lone Star State: A Successful Partnership for Energy Efficiency in Austin, Texas	Allen, S.; Schare, S.	Link
ESL-IE-97-04-19	Government-University-Industrial Collaborations for Energy Efficiency and a Better Environment	Phillips, W.	Link
ESL-IE-97-04-20	Trigen Dispersed Energy Services for the Mid-Sized Industrial and Commercial Market	McIntire, M.	Link
ESL-IE-97-04-21	State and Federal Initiatives Energy and Waste--The Landmark Statue of Liberty and Ellis Island Energy Savings Performanc Contract	Leach, M.	Link
ESL-IE-97-04-22	Evaluating Packaged Steam Generator Designs	Ganapathy, V.	Link
ESL-IE-97-04-23	Cost-Effective Industrial Boiler Plant Efficiency Advancements	Fiorino, D.	Link
ESL-IE-97-04-24	A Boiler Plant Energy Efficiency and Load Balancing Survey	Nutter, D.; Murphy, D.	Link
ESL-IE-97-04-25	New 3E Plus Computer Program--A Tool for Improving Industrial Energy Efficiency	Brayman, N.	Link
ESL-IE-97-04-26	Understanding the Basics of Compressed Air Systems	Herron, D.	Link
ESL-IE-97-04-27	Beyond Leaks: Demand-side Strategies for Improving Compressed Air Efficiency	Howe, B.; Scales, B.	Link
ESL-IE-97-04-28	Advanced Controls for Industrial Compressed Air Systems	Vold, P.; Gabel, S.; Carmichael, L.; Curtner, K.; Cirillo, Jr.; N.	Link
ESL-IE-97-04-29	Compressed Air Audits using AIRMaster	Wheeler, G.; McGill, R.; Bessey, E.; Vischer, K.	Link
ESL-IE-97-04-30	Identification of Process Energy and Pollution Reduction Opportunities at DOD Industrial Facilities	Lin, M.; Northrup, J.; Smith, E.	Link
ESL-IE-97-04-31	Process Improvement at Army Installations	Northrup, J.; Smith, E.; Lin, M.; Baird, J.	Link
ESL-IE-97-04-32	Southwest Division, Naval Facilities Engineering Command, Demand Side Management Program Implementation	Gates, G.	Link
ESL-IE-97-04-33	Plasma Arc Technology Dedicated to Solving Military Waste Problems	Smith, E.; Zaghoul, H.	Link
ESL-IE-97-04-34	The Problem of Second-Hand Industrial Equipment: Reclaiming a Missed Opportunity	Kelly-Detwiler, P.; Opheim, K.	Link
ESL-IE-97-04-35	The Use of Variable Speed Drives to Retrofit Hydraulic Injection Molding Machines	Ambs, L.; Frerker, M.	Link
ESL-IE-97-04-36	Variable Frequency Motor Drives: Harmonics, Power Factor, and Energy Efficiency	Massey, G.	Link
ESL-IE-97-04-37	Adjustable Speed AC Motor Drives Applications Problems	Enjeti, P.	Link

ESL-IE-97-04-38	The Technical and Economic Potential for Electricity Energy Efficiency in a Semiconductor Manufacturing Plant	Lee, A.; Golden, J.; Zarnikau, J.	Link
ESL-IE-97-04-39	Industrial Decision Marketing--Improving Petroleum Refining Performance through Better Economic Performance Analysis	Mergens, E.	Link
ESL-IE-97-04-40	Emission Control and Elimination Through the Use of Condensation and Heat Recovery Technologies--A Case Study	Madewell, E.; Bullock, W.	Link
ESL-IE-97-04-41	Beyond Back of the Envelope Savings Calculations	Griffiths, D.; Reid, L.	Link
ESL-IE-97-04-42	Energy Analysis and Diagnostics Data Analysis from Industrial Energy Assessments for Manufacturing Industries	Gopalakrishnan, B.; Plummer, R.; Srinath, S.; Meffe, C.; Ipe, J.; Veena, R.	Link
ESL-IE-97-04-43	Impact of the Texas A&M University-Kingsville's Industrial Assessment Center in South Texas	Medina, M.; Elkassabgi, Y.; Farahmand, K.; Bhalavat, M.	Link
ESL-IE-97-04-44	Implementation of Industrial Assessment Center Energy and Waste Management Recommendations, <i>Proceedings of the 19th Annual Industrial Energy Technology Conference</i> , Houston, Texas, April 1997.	King, J. D.; Eggebrecht, J. A.; Heffington, W. M.	Link
ESL-IE-97-04-45	Pulp and Paper Industry--A Strategic Energy Review	Stapley, C.	Link
ESL-IE-97-04-46	Road Map to Capitalization of Power Generating Facilities	Kangas, M.	Link
ESL-IE-97-04-47	Optimizing Aeration in Pulp Mill Secondary Treatment Systems	Mahmood, T.; Banerjee, S.; Welsh, J.; Sackellares, R.	Link
ESL-IE-97-04-48	Shared Signals: Using Existing Facility Meters for Energy Savings Verification	McBride, J.; Price, S.; Carlson, K.; Lopez, J.	Link
ESL-IE-97-04-49	An Approach to Supervisory Control of an Energy Management Control System Using Fuzzy Logic	Langari, R.	Link
ESL-IE-97-04-50	A Feasibility Study of Fuel Cell Cogeneration in Industry	Phelps, S.; Kiscock, K.	Link
ESL-IE-97-04-51	Economical Condensing Turbines?	Dean, J.	Link
ESL-TH-97-05-01	Simplified Thermoeconomic Approach to Cost Allocation in a Combined Cycle Cogeneration and District Energy System, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Fleming, Jason G.	Link
ESL-TH-97-05-02	Development and Application of a Procedure to Estimate Overall Building and Ventilation Parameters from Monitored Commercial Building Energy Use, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Deng, S.	Link
ESL-TH-97-05-03	The Effect of Roughness on Aerosol Deposition in Tubes, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Chavez, M.	Link
ESL-TH-97-05-04	A Universal Mass Flowrate Correlation for Refrigerants and Refrigerant/Oil Mixtures Flowing through Short Tube Orifices, Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.	Payne, W. V.	Link
ESL-TR-97-06-01	Lighting Survey Results at the Langford Architecture Center and Estimated Savings by Delamping, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Soebarto, V. I.; Haberl, J.; Degelman, L. O.	Link
ESL-PA-97-07-01	Baselining Methodology for Facility-Level Monthly Energy Use – Part 1: Theoretical Aspects, <i>ASHRAE Transactions</i> 1997, Vol. 103, Pt. 1	Reddy, T. A.; Haberl, J.; Saman, N. F.; Turner, W. D.; Claridge, D. E.; Chalifoux, A. T.	Link
ESL-PA-97-07-02	Baselining Methodology for Facility-Level Monthly Energy Use – Part 2: Application to Eight Army Installations, <i>ASHRAE Transactions</i> 1997, Vol. 103, Pt. 2.	Reddy, T. A.; Haberl, J.; Saman, N. F.; Turner, W. D.; Claridge, D. E.; Chalifoux, A. T.	Link
ESL-TH-97-08-01	A Methodology for in-situ Calibration of Steam Boiler Instrumentation, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Wei, Guanghua	Link
ESL-PA-97-09-01	New Educational Software for Teaching the Sunpath Diagram and Shading Mask Protractor, <i>Proceedings of the 1997 IBPSA Building Simulation Conference</i> , Prague, Czech Republic, September.	Oh, J. K. W.; Haberl, J.	Link
ESL-PA-97-09-03	The Influence of Orifice Size on the Mass Flow During Flash Boiling of HCFC-22 from a Small Vessel, <i>ASME Journal of Energy Resources Technology</i> , Vol. 119, No. 3, pp. 193-199, September 1997.	Nutter, D.W.; O'Neal, D. L.	Link
ESL-TR-97-09-01	Task #3: Audit of Lone Star Gas Invoices and Billing Procedures, <i>Energy Systems Laboratory, Texas A&M University.</i>	Turner, W. D.; Liu, M.	Link
ESL-PA-97-11-01	Experimental Investigation of Steel Spheres as a Passive Enhancement Technique for Flash Boiling of HCFC-22, <i>Experimental Thermal and Fluid Science</i> , Vol. 15, No. 4, pp. 336-346, Nov. 1997.	Nutter, D.W.; O'Neal, D. L.	Link
ESL-TR-97-11-01	Determining Long-Term Performance of Cool Storage Systems from Short-Term Tests, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Claridge, D. E.; Reddy, T. A.; Elleson, J.	Link
ESL-TH-97-12-01	Development of a Simplified Model for Cooling and Dehumidifying Coils, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Maldonado, E.	Link
ESL-TH-97-12-02	An Improved Multipyranometer Array for the Measurement of Direct and Diffuse Solar Radiation, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Munger, B. K.	Link
ESL-TH-97-12-03	Development of Empirical Temperature and Humidity-Based Degraded-Condition Indicators for Low-Tonnage Air Conditioners, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Watt, J. B.	Link
ESL-TH-97-12-04	The Effect of Fan and Heat Sink Design on Heat Removal from Microprocessor Chips, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Baltrip, K. G.	Link
ESL-TH-97-12-05	A Case Study of Two Computer Methods Used to Simulate Fires in Industrial Facilities, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Asselta, C.	Link
ESL-PA-97-08-01	LoanSTAR Data Handling and Analysis Software for Measuring Building Energy Data, <i>Proceedings of the CLIMA 2000 Conference</i> , Belgium, August 1997.	Haberl, J. S.; Sparks, R.; Chambers, R.	Link
ESL-PA-97-08-02	An Improved Multipyranometer Array for the Measurement of Direct and Diffuse Solar Radiation, <i>Proceedings of the CLIMA 2000 Conference</i> , Belgium, August 1997.	Munger, B. K.; Haberl, J.	Link
ESL-PA-98-01-03	Impact of Hydrophobic Coating on the Frost Buildup and Defrost Performance of a Heat Pump Evaporator, <i>Thermal Science and Engineering</i> , Vol. 6, No. 1, pp. 91-97, January 1998.	O'Neal, D. L.; Bryant, J. A.; Parker, B.	Link
ESL-PA-98-01-05	Mass Flow Characteristics of R407c Through Short Tube Orifices, <i>ASHRAE Transactions</i> : Research, Vol. 104, Pt.1, pp. 197-209, January 1998.	Payne, V. W.; O'Neal, D. L.	Link
ESL-TR-98-03-01	Determining Long-Term Performance of Cool Storage Systems from Short-Term Tests, <i>Energy Systems Laboratory, Texas A&M University.</i>	Reddy, T. A.; Elleson, J.; Haberl, J. S.; Claridge, D. E.	Link
ESL-TR-98-04-01	Simulation Results: Final Report, Presented to the Energy/Monitoring Services, Facilities and Site Services UTMDA Cancer Center	Athar, A.; Claridge, D.; Mingsheng, L.; Wang, W. Y.	Link
ESL-PA-98-04-01	An Experimental Investigation of the Use of an Auxiliary Heater to Promote More Vapor Generation during Flash Boiling of HCFC-22, <i>Experimental Heat Transfer</i> , Vol. 11, No. 1, pp. 41-57, April 1998.	Nutter, D.W.; O'Neal, D. L.	Link
ESL-IE-98-04-01	Saving Energy and Reducing Emissions from the Regeneration Air System of a Butane Dehydrogenation Plant	John, T. P.	Link
ESL-IE-98-04-02	Chemical Plant Energy Efficiency Through Computer Aided Technology	Grassi, V. G.	Link

ESL-IE-98-04-03	3M's Motor Challenge Showcase Demonstration Project	Schultz, S. C.	Link
ESL-IE-98-04-04	Broad Initiatives/Sharp Focus - Cuts Electricity Consumption 15%	Gialanella, V.	Link
ESL-IE-98-04-05	Climate Change Concerns and the Likely Impacts on Industrial Energy R&D	Foust, T. D.; Kaarsberg, T. M.	Link
ESL-IE-98-04-06	Neural Network Technology as a Pollution Prevention Tool in the Electric Utility Industry	Johnson, M. L.	Link
ESL-IE-98-04-07	Trends and Opportunities in Industrial Hazardous Waste Minimization	Atlas, M.	Link
ESL-IE-98-04-08	Cooling Towers, The Debottlenecks	Burger, R.	Link
ESL-IE-98-04-09	Refinery Waste Heat Ammonia Absorption Refrigeration Plant (WHAARP) Recovers LPG's and Gasoline, Saves Energy, and Reduces Air Pollution	Brant, B.; Brueske, S.; Erickson, D.; Papar, R.	Link
ESL-IE-98-04-10	Energy Savings from Floating Head Pressure in Ammonia Refrigeration Systems	Barrer, P. J.; Jones, S. M.	Link
ESL-IE-98-04-11	Energy Efficient, Environmentally Friendly Refrigerants	Nimitz, J.; Glass, S.; Dhooze, P. M.	Link
ESL-IE-98-04-12	The State of the Industrial Compressor Market	Perry, W.	Link
ESL-IE-98-04-13	Using System Pressure Control to Improve the Compressed Air System at Goulds Pumps	Caropolo, B.; Sember, P.; Glace, P.	Link
ESL-IE-98-04-14	Improving Compressed Air System Efficiency - Know What You Really Need	Terrell, R. E.	Link
ESL-IE-98-04-15	Predicting Improved Chiller Performance Through Thermodynamic Modeling	Figuerola, I. E.; Medina, M. A.; Cathey, M.; Nutter, D. W.	Link
ESL-IE-98-04-16	Benchmarking Variable Cost Performance in an Industrial Power Plant	Kane, J. F.; Jr.; Bailey, W. F.	Link
ESL-IE-98-04-17	Shut Down Fans, Save \$1/4 Million/Yr and Increase Airflow?	Martin, V.; Ohrt, H.	Link
ESL-IE-98-04-18	Energy Flow Models for the Steel Industry	Anderson, J. P.; Hyman, B.	Link
ESL-IE-98-04-19	Energy Efficiency in the Pulp and Paper Industry: Simulation of Steam Challenge and CHP Incentives With ITEMS	Roop, J. M.	Link
ESL-IE-98-04-20	Model Project Streamlines Compliance, Reduces Emissions and Energy Use	Vining, S. K.	Link
ESL-IE-98-04-21	Energy Conservation Through Water Usage Reduction in the Semiconductor Industry	Mendicino, L.; McCormack, K.; Gibson, S.; Patton, B.; Lyon, D.; Covington, J.	Link
ESL-IE-98-04-22	Conversion of Waste Biomass Into Useful Products	Holtzapple, M.	Link
ESL-IE-98-04-23	Estimating Energy Efficiency Impacts Using Climate Wise "Wise Rules"	Milmoe, P. H.; Winkelman, S. R.	Link
ESL-IE-98-04-24	The Powerhouse Control System Audit as a Means of Insuring a Successful System Design and Implementation	Wood, M. E.; Robinson, J. E.	Link
ESL-IE-98-04-25	Industrial Insulation: Protects the Environment, Improves Efficiency and Saves More Money Than You Can Imagine!	Brayman, W. J.	Link
ESL-IE-98-04-26	Steam System Optimization	Aegerter, R. A.	Link
ESL-IE-98-04-27	Saving Big Bucks With Your Log Sheets	Puskar, J. R.	Link
ESL-IE-98-04-28	Steam Challenge: Developing a New DOE Program to Help Industry be Steam Smart	Jones, T.; Hart, F.	Link
ESL-IE-98-04-29	Energy Information: The Key to Cost-Effective Conservation	McBride, J. R.; Flanagan, D. E.	Link
ESL-IE-98-04-30	Justifying and Planning an Energy Monitoring System in an Existing Plant	Stublen, A. P.; Wellman, C. M.; Kell, S. A.	Link
ESL-IE-98-04-31	Monitoring System Used to Optimize Compressed Air System Efficiency, Cut Costs	Holmes, W. A.	Link
ESL-IE-98-04-32	Monitoring System Used to Identify, Track and Allocate Peak Demand Costs	Holmes, W. A.	Link
ESL-IE-98-04-33	Industrial Equipment Demand and Duty Factors	Dooley, E. S.; Heffington, W. M.	Link
ESL-IE-98-04-34	Verification of Motor Repair Quality	Butler, K.	Link
ESL-IE-98-04-35	Lessons Learned from the U.S. Department of Energy's Motor Challenge Showcase Demonstration Projects	Szady, A. J.; Jallouk, P. A.; Olszewski, M.; Scheihing, P.	Link
ESL-IE-98-04-36	Energy-Efficient Dry-Type Distribution Transformers: New Opportunities to Cut Energy Bills and Lock-in Long-Term Energy Savings	deLaski, A.; Suozzo, M.	Link
ESL-IE-98-04-37	Applying Improved Efficiency Transformers	Haggerty, N. K.; Malone, T. P.	Link
ESL-IE-98-04-38	Energy Efficiency and Pollution Prevention: Industrial Efficiency Strategies	Pye, M.; Elliott, R. N.	Link
ESL-IE-98-04-39	P2 Tips that Save Energy	Ferland, K.	Link
ESL-IE-98-04-40	Evaluation of UV-Curable Coatings for Aluminum Can Production Case Study	Brady, R. E.; Jr.; Kowal, J.; Johnson, D. H.; Donhowe, E. T.	Link
ESL-IE-98-04-42	Robotic Inspection System for Bulk Liquid Storage Tanks	Hakes, K. J.; Hartsell, D. R.	Link
ESL-IE-98-04-43	Benefits of Industrial Boiler Control and Economic Load Allocation at Amoco Chemicals, Decatur, Alabama	Winter, J.	Link
ESL-IE-98-04-44	Boiler Efficiency vs. Steam Quality - The Challenge of Creating Quality Steam Using existing Boiler Efficiencies	Hahn, G.	Link
ESL-IE-98-04-45	Waste Heat Boilers for Incineration Applications	Ganapathy, V.	Link
ESL-IE-98-04-46	Steam System Improvement: A Case Study	Venkatesan, V. V.; Leigh, N.	Link
ESL-IE-98-04-47	Climate Wise Boiler and Steam Efficiency Wise Rules	Milmoe, P. H.; Winkelman, S. R.	Link
ESL-IE-98-04-48	DuPont Approach to Energy Management: A System Wide Approach to Energy Efficiency	Stewart, J. W.	Link
ESL-IE-98-04-49	Finding Process Improvements - The Six Places to Look	Nelson, K. E.	Link
ESL-IE-98-04-50	Energy Efficiency in the Microelectronics Industry	Bhatti, B.	Link
ESL-IE-98-04-51	Comprehensive Approaches to Industrial Energy Efficiency: Examples from the Climate Wise Program	Milmoe, P. H.; Winkelman, S. R.; Asrael, J.	Link
ESL-IE-98-04-52	Motorola's Experience in the Climate Wise Program	Montemayor-Rapier, M.; Gibson, S.; Nasi, T.	Link
ESL-IE-98-04-53	Voltage Sag-Related Upsets of Industrial Process Controls in Petroleum and Chemical Industries	Mansoor, A.; Key, T.; Woinsky, S.	Link
ESL-IE-98-04-54	Improving Process Control Immunity to Supply Voltage Sags in Petroleum and Chemical Industries	Dorr, D.; Mansoor, A.; Olsen, G.	Link
ESL-IE-98-04-55	Energy Savings Performance Contract - Robins Air Force Base, Georgia	Edge, J. S.	Link
ESL-IE-98-04-56	DoD Fuel Cell Demonstration Program: Energy Savings and Emissions Reductions to Date	Holcomb, F. H.; Binder, M. J.; Taylor, W. R.	Link

ESL-IE-98-04-57	Severe Maintenance Programs as Your First Indicator of Big Potential Energy Savings	Kaufman, S. G.; Martin, V.; Lynn, J.	Link
ESL-IE-98-04-58	Industrial Assessments and Why Your Plant Should Have One	Glaser, C.J.; Demetrops, J. P.	Link
ESL-IE-98-04-59	Industrial Assessments in the Cast Metals Industry: Common Problems and Opportunities	Muller, M. R.; Barnish, T.J.; Kasten, D.	Link
ESL-IE-98-04-60	Do Small Companies Care About Energy Savings?: A Case Study	Agrawal, S.; Jenson, R.	Link
ESL-IE-98-04-61	Electric Demand Cost Versus Labor Cost: A Case Study	Agrawal, S.; Jenson, R.	Link
ESL-PA-98-05-01	Use of Calibrated HVAC System Models to Optimize System Operation, <i>J. Solar Energy Engineering</i> , May, Vol. 120, pp. 131-138.	Liu, M.; Claridge, D. E.	Link
ESL-TH-98-05-01	Development of Pre-Screening Indices to Improve Energy Analysis of Public K-12 Schools, <i>Masters Thesis, Department of Mechanical Engineering, Energy Systems Laboratory, Texas A&M University</i> .	Landman, D. S.	Link
ESL-TH-98-05-04	Sources of Error in Chilled and Hot Water Metering at Shared Sites: Differential Pressure Transmitters and Flowmeter Installation, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Corley, M.	Link
ESL-PA-98-06-01	Development of an Equivalent Diameter Expression for Vertical U-Tubes Used in Ground-Coupled Heat Pumps, <i>ASHRAE Transactions: Research</i> , Vol. 104, Pt. 2, June 1998.	Gu, Y.; O'Neal, D.L.	Link
ESL-PA-98-06-02	Modeling the Effect of Backfills on U-Tube Ground Coil Performance, <i>ASHRAE Transactions: Research</i> , Vol. 104, Pt. 2, June 1998.	Gu, Y.; O'Neal, D.L.	Link
ESL-PA-98-06-03	Program Overview: The Texas LoanSTAR Program; 1989-August 1997	Turner, W. D.; Claridge, D. E.; O'Neal, D. L.; Haberl, J.; Heffington, W. M.; Harvey, T.; Sifuentes, T.	Link
ESL-PA-98-06-04	Environmental Impact of the Texas LoanSTAR Program	Athar, A.; Abbas, M.; Haberl, J.; Turner, W. D.; Claridge, D. E.; Harvey, T.	Link
ESL-PA-98-06-05	Development of Temperature and Humidity-Based Indicators for Diagnosing Problems in Low Tonnage, Split System Air Conditioners	Watt, J.; Haberl, J.; O'Neal, D. L.	Link
ESL-PA-98-06-06	Impacts of Optimized Cold & Hot Deck Reset Schedules on Dual Duct VAV Systems - Theory and Model Simulation	Liu, M.; Claridge, D. E.	Link
ESL-PA-98-06-07	Impacts of Optimized Cold & Hot Deck Reset Schedules on Dual Duct VAV Systems - Application and Results	Liu, M.; Abbas, M.; Veteto, B.; Claridge, D. E.; Bruner, H.	Link
ESL-PA-98-06-08	Overview of the Rebuild America Program in Texas	Saman, N.; Haberl, J.; Turner, W. D.	Link
ESL-PA-98-06-09	Development of Pre-Screening Methods for Analyzing Energy Use in K-12 Public Schools	Landman, D. S.; Haberl, J.	Link
ESL-PA-98-06-10	Rehabilitating A Thermal Storage System Through Commissioning	Liu, M.; Veteto, B.; Claridge, D. E.	Link
ESL-PA-98-06-11	An On-line Self-tuning Algorithm of PI Controller for the Heating and Cooling Coil in Buildings	Zhou, Q.; Liu, M.	Link
ESL-PA-98-06-12	A Novel Procedure to Determine Optimal Air Static Pressure Set-points and Reset Schedules in VAV Air Handling Units	Zhu, Y.; Liu, M.; Claridge, D. E.; Turner, W. D.; Powell, T.	Link
ESL-PA-98-06-13	Evaluation of Energy Conservation Measures by Model Simulation	Giebler, T.	Link
ESL-PA-98-06-14	A Methodology to Identify Monthly Energy Use Models from Utility Bill Data for Seasonally Scheduled Buildings: Application to K-12 Schools	Wang, W.; Claridge, D. E.; Reddy, T. A.	Link
ESL-PA-98-06-15	Impact of Nighttime Shut Down on the Prediction Accuracy of Monthly Regression Models for Energy Consumption in Commercial Buildings	Wang, J.; Claridge, D. E.	Link
ESL-PA-98-06-16	Instrumenting Buildings to Determine Retrofit Savings: Murphy's Law Strikes Again	O'Neal, D. L.; Bryant, J.; Carlson, K.	Link
ESL-PA-98-06-17	Impacts of Water Loop Management on Simultaneous Heating and Cooling in Coupled Control Air Handling Units	Guan, W.; Liu, M.; Wang, J.	Link
ESL-PA-98-06-18	Signatures of Heating and Cooling Energy Consumption for Typical AHUs	Wei, G.; Liu, M.; Claridge, D. E.	Link
ESL-PA-98-06-19	Reducing Pump Power Consumption by 40% (1000 KW) Through Improved Pump Management in a Central Plant	Deng, S.; Liu, M.; Turner, W. D.	Link
ESL-TR-98-06-01	Monitoring and Reporting Services for the Toronto Library; Final Report for TESCO Energy Services, through Energy Systems Associates and New Horizons Technology, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Athar, A.; Claridge, D. E.	Link
ESL-HH-98-06-01	Use of Calibrated Simulation for the Evaluation of Residential Energy Conservation Options of Two Habitat for Humanity Houses in Houston, Texas	Haberl, J.; Bou-Saada, T.; Soebarto, V.; Reddy, A.	Link
ESL-HH-98-06-02	Measured Energy Savings from Retrofits Installed in Low-Income Housing in a Hot and Humid Climate	Parker, D. S.; Sherwin, J. R.; Floyd, D. B.	Link
ESL-HH-98-06-03	Affordable Housing for Artists: A Sustainable Prototype	Ness, M.	Link
ESL-HH-98-06-04	Reliability of Heat Pumps Containing R410-A Refrigerant	McJimsey, B. A.; Cawley, D.	Link
ESL-HH-98-06-05	Innovative Approach to Chiller Replacement at Lafayette General Medical Center Located in Lafayette, Louisiana	Poche', J. M.; Broussard, J. P.	Link
ESL-HH-98-06-06	Modification and Validation of a Universal Thermodynamic Chiller Model Used to Evaluate the Performance of Water-Cooled Centrifugal Chillers	Figuerola, I. E.; Cathey, M.; Medina, M. A.; Nutter, D. W.	Link
ESL-HH-98-06-07	Case Study Walnut Hill United Methodist Church - Dallas, Texas, Chiller Replacement Analysis	Phillips, J.	Link
ESL-HH-98-06-08	Program Overview: The Texas LoanSTAR Program; 1989-August 1997	Turner, W. D.; Claridge, D. E.; O'Neal, D. L.; Haberl, J.; Heffington, W. M.; Harvey, T.; Sifuentes, T.	Link
ESL-HH-98-06-09	Environmental Impact of the Texas LoanSTAR Program	Athar, A.; Abbas, M.; Haberl, J.; Turner, W. D.; Claridge, D. E.; Harvey, T.	Link
ESL-HH-98-06-10	FLASTAR: Measured Savings of a Comprehensive Energy Retrofit in a Florida Elementary School	Sherwin, J. R.; Parker, D. S.	Link
ESL-HH-98-06-11	Development of Temperature and Humidity-Based Indicators for Diagnosing Problems in Low Tonnage, Split System Air Conditioners	Watt, J.; Haberl, J.; O'Neal, D. L.	Link
ESL-HH-98-06-12	Impacts of Optimized Cold & Hot Deck Reset Schedules on Dual Duct VAV Systems - Theory and Model Simulation	Liu, M.; Claridge, D. E.	Link

ESL-HH-98-06-13	Impacts of Optimized Cold & Hot Deck Reset Schedules on Dual Duct VAV Systems - Application and Results	Liu, M.; Abbas, M.; Veteto, B.; Claridge, D. E.; Bruner, H.	Link
ESL-HH-98-06-14	Commissioning : The Total Process	Kettler, G. J.	Link
ESL-HH-98-06-15	Using Building Commissioning to Improve Performance in State Buildings	Haasl, T.; Wilkinson, R.	Link
ESL-HH-98-06-16	Evaluating Texas State University Energy Consumption According to Productivity	Carnes, D.; Hunn, B. D.; Jones, J. W.	Link
ESL-HH-98-06-17	Overview of the Rebuild America Program in Texas	Saman, N.; Haberl, J.; Turner, W. D.	Link
ESL-HH-98-06-18	Analysis of Energy Consumption of Duplex Residences in College Station, Texas	Kim, S. B.; Woods, P. K.	Link
ESL-HH-98-06-19	Using EMCS Data to Document and Improve Air Handler Performance	Brightbill, E. L.; Rutt, J. P.	Link
ESL-HH-98-06-20	Using Energy Management Control Systems for HVAC Operational Diagnostics	Stum, K.	Link
ESL-HH-98-06-21	Development of Pre-Screening Methods for Analyzing Energy Use in K-12 Public Schools	Landman, D. S.; Haberl, J.	Link
ESL-HH-98-06-22	Analysis of Air Conditioning Effectiveness vs. Outdoor Conditions: Traditional Bins or Joint Frequency Bins?	Cohen, B. M.	Link
ESL-HH-98-06-23	New Peak Moisture Design Data in the 1997 ASHRAE Handbook of Fundamentals	Harriman, L.	Link
ESL-HH-98-06-24	Preconditioning Outside Air: Cooling Loads from Building Ventilation	Kosar, D.	Link
ESL-HH-98-06-25	Development of a Humid Climate Definition	Hedrick, R. L.; Shirey, D. B.	Link
ESL-HH-98-06-26	Case Study of Stratified Chilled Water Storage Utilization for Comfort and Process Cooling in a Hot, Humid Climate	Bahnfleth, W. P.; Musser, A.	Link
ESL-HH-98-06-27	Rehabilitating A Thermal Storage System Through Commissioning	Liu, M.; Veteto, B.; Claridge, D. E.	Link
ESL-HH-98-06-28	An On-line Self-tuning Algorithm of PI Controller for the Heating and Cooling Coil in Buildings	Zhou, Q.; Liu, M.	Link
ESL-HH-98-06-29	A Novel Procedure to Determine Optimal Air Static Pressure Set-points and Reset Schedules in VAV Air Handling Units	Zhu, Y.; Liu, M.; Claridge, D. E.; Turner, W. D.; Powell, T.	Link
ESL-HH-98-06-30	Evaluation of Energy Conservation Measures by Model Simulation	Giebler, T.	Link
ESL-HH-98-06-31	Outdoor Air, Heat Wheels and JCPenney: A New Approach to Retail Ventilation	Smith, C. S.; Bartlett, T. A.	Link
ESL-HH-98-06-32	A Methodology to Identify Monthly Energy Use Models from Utility Bill Data for Seasonally Scheduled Buildings: Application to K-12 Schools	Wang, W.; Claridge, D. E.; Reddy, T. A.	Link
ESL-HH-98-06-33	Impact of Nighttime Shut Down on the Prediction Accuracy of Monthly Regression Models for Energy Consumption in Commercial Buildings	Wang, J.; Claridge, D. E.	Link
ESL-HH-98-06-34	Instrumenting Buildings to Determine Retrofit Savings: Murphy's Law Strikes Again	O'Neal, D. L.; Bryant, J.; Carlson, K.	Link
ESL-HH-98-06-35	Emerging, Cost-Effective Applications for Desiccant Dehumidification in the U.S.	Witte, M. J.; Kosar, D. R.	Link
ESL-HH-98-06-36	Field Evaluation of Desiccant-Integrated HVAC Systems: A Review of Case Studies in Multiple Commercial/Institutional Building Types	Yborra, S. C.	Link
ESL-HH-98-06-37	Screening Tool for Desiccant Dehumidification Applications	Czachorski, M.; Worek, W. M.	Link
ESL-HH-98-06-38	Impacts of Water Loop Management on Simultaneous Heating and Cooling in Coupled Control Air Handling Units	Guan, W.; Liu, M.; Wang, J.	Link
ESL-HH-98-06-39	Signatures of Heating and Cooling Energy Consumption for Typical AHUs	Wei, G.; Liu, M.; Claridge, D. E.	Link
ESL-HH-98-06-40	Reducing Pump Power Consumption by 40% (1000 KW) Through Improved Pump Management in a Central Plant	Deng, S.; Liu, M.; Turner, W. D.	Link
ESL-HH-98-06-41	Building Efficiency and Indoor Air Quality - You Can Have Both	Kettler, G. J.	Link
ESL-HH-98-06-42	Daylighting: Measuring the Performance of Light Shelves and Occupant-Controlled Blinds on a Dimmed Lighting Systems	Floyd, D. B.; Parker, D. S.	Link
ESL-HH-98-06-43	Towards Green-Sensibility in African Architecture - A Climate-sensitive Approach to Design in East Africa	Ogoli, D. M.	Link
ESL-HH-98-06-44	Energy Use and Costs in Texas Schools and Hospitals	Dunn, J. R.	Link
ESL-HH-98-06-45	Owner's Guide to Understanding Methods and Terms of Performance Contracting	McDaniel, W.; Weaver, K.; Lacy, P.	Link
ESL-HH-98-06-46	Energy Performance Contracting for Texas: The Collaborative Process	Huff, H.; Matthews, J.	Link
ESL-HH-98-06-47	Enhancing Performance Contracts: Integrating IAQ Solutions in Hot & Humid Climates	Turner, S. C.	Link
ESL-HH-98-06-48	Monitoring Viable Fungal and Bacterial Bioaerosol Concentrations to Identify Acceptable Levels for Common Indoor Environments	Robertson, L. D.	Link
ESL-HH-98-06-49	Status of Revisions to ASHRAE Standard 62	Gallo, F. M.	Link
ESL-HH-98-06-50	Thermal Comfort Study in a Naturally Ventilated Residential Building in a Tropical Hot-Humid Climate Region	Soebarto, V. I.; Handjarinto, S.	Link
ESL-HH-98-06-51	Building Air Quality Alliance Program fro Building Management	Kettler, G. J.	Link
ESL-PA-98-07-01	Baseline Calculations for Measurements and Verification of Energy and Demand Savings in a Revolving Loan Program in Texas, <i>AHSRAE Transactions</i> 1998, Vol. 104, Pt. 2., pp. 841-858.	Haberl, J.; Thamiseran, S.; Reddy, T. A.; Claridge, D. E.; O'Neal, D. L.; Turner, W. D.	Link
ESL-PA-98-08-01	Modeling Hourly Energy Use in Commercial Buildings with Fourier Series Functional Forms, <i>Journal of Solar Energy Engineering</i> , Vol. 120, pp. 217-223.	Dhar, A.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-98-08-02	Ambient-Temperature Regression Analysis for Estimating Retrofit Savings in Commercial Buildings, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 120, pp. 168-176.	Kissock, J. K.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-98-08-03	A Perspective on Methods for Analysis of Measured Energy Data from Commercial Buildings, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 120, pp. 150-155.	Claridge, D. E.	Link
ESL-PA-98-08-04	Development of Graphical Indices for Viewing Building Energy Data: Part I, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 120, pp. 156-161.	Haberl, J.; Abbas, M.	Link
ESL-PA-98-08-05	Development of Graphical Indices for Viewing Building Energy Data: Part II, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 120, pp. 162-167.	Haberl, J.; Abbas, M.	Link
ESL-PA-98-08-06	Procedures for Calibrating Hourly Simulation Models to Measured Building Energy and Environmental Data, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 120, pp.193-204.	Haberl, J.; Bou-Saada, T. E.	Link
ESL-PA-98-08-07	Multivariate Regression Modeling, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 120, pp. 177-184.	Katipamula, S.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-98-08-08	An Evaluation of Residential Energy Conservation Options Using Side-by-Side Measurements of Two Habitat for Humanity Houses in Houston, Texas, <i>Proceedings of the 1998 ACEEE Summer Study on Energy Efficiency in Buildings</i> , pp. 1.115-1.134.	Haberl, J.; Bou-Saada, T.; Reddy, A.; Soebarto, V.	Link
ESL-PA-98-11-01	A Case Study of an Industrial Assessment Center Extended Assessment, <i>Proceedings of the 21st World Energy Engineering Congress</i> , Atlanta, GA, pp. 13-21, November 1998.	Heffington, W. M.; Eggebrecht, J. A.; Gafford, G. D.; Farouz, H. E.	Link
ESL-TR-98-11-01	Rebuild America Program – Brazos Valley Energy Conservation Coalition – Quarterly Progress Report for July – September 1998, <i>Energy Systems Laboratory, Texas A&M University</i> .	Yazdani, B.; Haberl, J.; Turner, W. D.; Claridge, D. E.	Link

ESL-TH-98-12-01	A Methodology to Develop Monthly Energy Use Models from Utility Billing Data for Seasonally Scheduled Buildings: Application to Schools, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Wang, W.	Link
ESL-TR-98-12-01	Energy Analysis, Baseline and Modeling of Prairie View A&M University Campus, <i>Energy Systems Laboratory, Texas A&M University.</i>	Abushakra, B.; Haberl, J.; Claridge, D. E.; Eggebrecht, J.; Carlson, K.	Link
ESL-PA-98-01-04	Visualization Study of Enhanced Flash Boiling of HCFC-22 with 5 mm Steel and Glass Spheres, <i>ASHRAE Transactions: Research</i> , Vol. 104, Pt. 1, pp. 734-741, January 1998.	Nutter, D.W.; O'Neal, D. L.	Link
ESL-PA-98-02-01	A Transient Heat and Mass Transfer Model of Residential Attics Used to Simulate Radiant Barrier Retrofits - Part I: Development, <i>ASME Journal of Solar Energy Engineering</i> , Vol 120, No. 1, pp. 32-38, Feb. 1998.	Medina, M. A.; O'Neal, D. L.; Turner, W. D.	Link
ESL-TR-99-01-01	Development of Energy-Efficient Housing for Low-Income Texas Residents, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Kootin-Sanwu, V.	Link
ESL-TR-99-03-01	Sample M&V Plan from the Texas Workshop "Preparing and Evaluating Measurement and Verification Plans for Energy Performance Contracts in Texas", <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.	Link
ESL-PA-99-04-02	Modeling the transient outlet pressure and mass flow during flashing of HCFC-22 in a small non-adiabatic vessel, <i>Mathematical and Computer Modeling</i> , Vol. 29, pp. 105-116, No. 2, 1999.	D. W. Nutter, and D.L. O'Neal, D. L.	Link
ESL-PA-99-05-02	An Analysis of Two Industrial Assessment Center Extended Assessments	Farouz, H. E.; Gafford, G. D.; Eggebrecht, J. A.; Heffington, W. M.	Link
ESL-TH-99-05-02	An Inverse Bin Methodology to Measure the Savings from Energy Conservation Retrofits in Commercial Buildings, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Thamilseran, S.	Link
ESL-TR-99-05-01	Compilation of Diversity Factors and Schedules for Energy and Cooling Load Calculations, ASHRAE Research Project 1093, Preliminary Report, Literature Review and Database Search, <i>Energy Systems Laboratory, Texas A&M University.</i>	Abushakra, B.; Haberl, J.; Claridge, D. E.	Link
ESL-IE-99-05-01	Steam System Improvements at a Manufacturing Plant	Compher, J.; Morcom, B.	Link
ESL-IE-99-05-02	Steam Tracing...New Technologies for the 21st Century	Pitzer, R. K.; Barth, R. E.; Bonorden, C.	Link
ESL-IE-99-05-03	Minimizing Energy Costs Through Water Management in the Pulp & Paper Industry	Wilson, P. H.	Link
ESL-IE-99-05-04	Following Where the Steam Goes: Industry's Business Opportunity	Jaber, D.; Jones, T.	Link
ESL-IE-99-05-05	Process Considerations in Surface Condenser Design	Polley, G. T.; Terranova, A.; Capel, A. C. P.	Link
ESL-IE-99-05-06	Improve Industrial Temperature Measurement Precision for Cost-Effective Energy Usage	Lewis, C. W.	Link
ESL-IE-99-05-07	An Analysis of Steam Process Heater Condensate Drainage Options	Risko, J. R.	Link
ESL-IE-99-05-08	Energy and Reliability Considerations for Adjustable Speed Driven Pumps	Casada, D.	Link
ESL-IE-99-05-09	Field Verification of Energy and Demand Savings of Two Injection Molding Machines Retrofitted with Variable Frequency Drives	Liou, S. P.; Aguiar, D.	Link
ESL-IE-99-05-10	Do VFD Energy Savings Outweigh Potential Mechanical Problems?	Martin, V.	Link
ESL-IE-99-05-11	Improving the Efficiency of Die Casting Machine Hydraulic Systems with the Retrofit of Adjustable Frequency Drives	Ambbs, L.; Kosanovic, D.; Edberg, C.	Link
ESL-IE-99-05-12	3M's System-Wide Approach to Industrial Energy Efficiency: A Corporate and Facility Perspective	Schultz, S. C.; Belk, V.; Asrael, J.	Link
ESL-IE-99-05-13	Anheuser-Busch: A System-Wide Resource Conservation Program	Share, H. M.; Martin, K.	Link
ESL-IE-99-05-14	Achieving Economic Results Through the Climate Wise Energy Management Program	Kraly, K. F.	Link
ESL-IE-99-05-15	Carbon and Energy Savings from Combined Heat and Power: A Closer Look	Roop, J. M.; Kaarsberg, T.	Link
ESL-IE-99-05-16	Outsourcing Ownership, Operation and Management of Industrial Facility Power Plants for the Purpose of Reducing Future Risk and Capital Requirements of the Corporation	Sebesta, J. J.; Schubbe, T.	Link
ESL-IE-99-05-17	Real Time Pricing Tie Line Control: A Case Study	Childress, R.	Link
ESL-IE-99-05-18	Advanced Process Management and Implementation	Robinson, J.	Link
ESL-IE-99-05-19	Beyond Energy Savings: Case Studies on Enhancing Productivity and Reducing Costs Through Energy Efficiency Investments	Pye, M.	Link
ESL-IE-99-05-20	Tools for Integrating Energy, Materials Productivity, and Quality Efforts	Roothaan, E. S.	Link
ESL-IE-99-05-21	Radio Frequency & Microwave Energy for the Petro Chemical Industry	Raburn, R.	Link
ESL-IE-99-05-22	Steam System Improvement: A Case Study	Leigh, N.; Venkatesan, V. V.	Link
ESL-IE-99-05-23	Boiler System Efficiency Improves with Effective Water Treatment	Bloom, D.	Link
ESL-IE-99-05-24	Effects of Reinsulating Underground Steam Pipes - A Case Study	Mentzer, T.	Link
ESL-IE-99-05-25	Comprehensive Savings in Condensate Return Systems	Viola, E. J.	Link
ESL-IE-99-05-26	Compressed Air System Optimization	Aegerter, R.	Link
ESL-IE-99-05-27	Comparison of Gas Catalytic and Electric Infrared Performance for Industrial Applications	Eshraghi, R. R.; Welch, D. E.	Link
ESL-IE-99-05-28	Guidelines for Power Factor Improvement Projects	Massey, G. W.	Link
ESL-IE-99-05-29	Applications Tests of Energy Efficient, Environmentally Friendly Refrigerants	Nimitz, J.; Glass, S.; McCullough, E.; Dhooge, P.	Link
ESL-IE-99-05-30	The United States Industrial Electric Motor Systems Market Opportunities Assessment: Key Results	Rosenberg, M.	Link
ESL-IE-99-05-31	Case Study Impact Evaluations of the Industrial Energy Savings Plan	Lilly, P.; Pearson, D.	Link
ESL-IE-99-05-32	Overview of the Electrical Energy Segment of the Energy Information Administration / Manufacturing Consumption Report	Lockhead, S.	Link
ESL-IE-99-05-33	An Analysis of Two Industrial Assessment Center Extended Assessments	Farouz, H. E.; Gafford, G. D.; Eggebrecht, J. A.; Heffington, W. M.	Link
ESL-IE-99-05-34	A Summary of the Experience of Two Mexican Industrial Energy Centers	Paroby, R.	Link
ESL-IE-99-05-35	Insulation of Pipe Bends Improves Efficiency of Hot Oil Furnaces	Haseltine, D. M.; Laffitte, R. D.	Link
ESL-IE-99-05-36	Plant Site Refrigeration Upgrade	Zdrojewski, R.; Healy, M.; Ramsey, J.	Link
ESL-IE-99-05-37	Reducing Life Cycle Cost by Energy Saving in Pump Systems	Bower, J. R.	Link
ESL-IE-99-05-38	Screening Pumping Systems for Energy Savings Opportunities	Casada, D.	Link
ESL-IE-99-05-39	Economical Aspects of Adjustable Speed Drives in Pumping Systems	Hovstad, G.	Link
ESL-IE-99-05-40	The Advantages of Sealless Pumps in Heat Transfer Fluid Services	Smith, M. D.	Link
ESL-IE-99-05-41	Using Plate Heat Exchangers to Increase Energy Efficiency	Bailey, K.	Link
ESL-IE-99-05-42	Energy Efficiency and Emerging Markets for Greenhouse Gas Trading	Ferguson, M.	Link
ESL-IE-99-05-43	Combined Heat & Power (CHP) - A Clean Energy Solution for Industry	Parks, W.; Hoffman, P.; Kurtovich, M.	Link
ESL-IE-99-05-44	Cogeneration Partnerships - A "Win-Win" Approach for All Parties	Steigelmann, W.; Campbell, V.	Link

ESL-IE-99-05-45	CHP Supported with Energy Efficiency Measures -- A Winning and Environmentally Sound Solution in Finland	Hannunkari, E.	Link
ESL-IE-99-05-46	Repsol Cartagena Utilities Real Time Optimization -- A Success Story	Piccolo, M.; Shyr, S.	Link
ESL-IE-99-05-47	You Can't Manage What You Can't Measure	Kuhel, G. J.	Link
ESL-IE-99-05-48	The Economic and Environmental Aspects of Heat Exchanger Cleaning -How FP&L Has Used the Newly Patented MCC Process to Clean Turbine Lube Oil Coolers to Maximize Efficiency and Minimize Waste	Wood, H. A. T	Link
ESL-IE-99-05-49	Industrial Insulation: An Energy Efficient Technology That Saves Money and Reduces Overall NOx Emissions	Brayman, B.	Link
ESL-IE-99-05-50	Motor Energy Saving Opportunities in an Industrial Plant	Kumar, B.	Link
ESL-PA-99-06-01	Multiphase Flow of Refrigerant 410A through Short Tube Orifices, <i>ASHRAE Transactions</i> : Research, Vol. 105, Pt. 2, pp. 66-74, June, 1999.	Payne, V. W.; O'Neal, D. W.	Link
ESL-PA-99-07-01	Engineering Uncertainty Analysis in the Evaluation of Energy and Cost Savings of Cooling System Alternatives Based on Field-Monitored Data, <i>ASHRAE Transactions</i> 1999 , Vol. 105, Pt. 2.	Reddy, T. A.; Haberl, J.; Elleson, J. S.	Link
ESL-TH-99-08-01	A Methodology for Baselineing the Energy Use at Large Campus Utility Plants for the Purpose of Measuring Energy Savings from Energy Conservation Retrofits, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Beasley, R. C.	Link
ESL-TH-99-08-02	A Real Time Self-Tuning Algorithm for PI Control of the Heating and Cooling Coils of Buildings, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Zhou, Q.	Link
ESL-TH-99-12-01	An Analysis of the Benefits of Photovoltaic-Coated Glazing on Owning and Operating Costs of High Rise Commercial Buildings, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University.</i>	Sylvester, K. E.	Link
ESL-TH-99-12-02	Rehabilitating Missing Energy Use and Weather Data When Determining Retrofit Energy Savings in Commercial Buildings, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Chen, H.	Link
ESL-TH-99-12-03	The Research and Development of Damage Tolerant Carbon Fiber Composites Masters Thesis, <i>Department of Mechanical Engineering, Texas A&M University.</i>	Miranda, J.	Link
ESL-TR-99-12-01	Compilation of Diversity Factors and Schedules for Energy and Cooling Load Calculations -- Identified Relevant Data Sets, Methods, and Variability Analysis, ASHRAE Research Project 1093, Phase II Report, <i>Energy Systems Laboratory, Texas A&M University</i> .	Abushakra, B.; Haberl, J.; Claridge, D. E.	Link
ESL-TR-99-12-02	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation At Tarleton State University (TSU), Stephenville, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Bryant, J.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-03	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at Texas A&M International University (TAMU) Laredo, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-04	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at Texas A&M University - Corpus Christi (TAMU-CC) Corpus Christi, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-05	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at Texas A&M University at Galveston (TAMU-G) Galveston, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-06	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at the West Texas A&M University (WTAM-U) Canyon, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Bryant, J.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-07	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at the Texas A&M University -- Kingsville (TAMU-K) Kingsville, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Bryant, J.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-08	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at the Texas A&M University -- Texarkana (TAMU-T) Texarkana, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-09	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at the Texas A&M University at Commerce (TAMU-Commerce) Commerce, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Wei, G.; Campbell, C.; Claridge, D. E.; Turner, W. D.	Link
ESL-TR-99-12-10	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at Prairie View A&M University (PVAMU) Prairie View, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Claridge, D. E.; Giebler, T.; Abushakra, B.; Turner, W. D.	Link
ESL-TR-99-12-11	Determining Long-Term Performance of Cool Storage Systems from Short-Term Tests, Progress Report, 6-99, Revised 12-99, <i>Energy Systems Laboratory, Texas A&M University.</i>	Reddy, A.; Elleson, J.; Haberl, J.; Claridge, D. E.	Link
ESL-PA-00-01-01	Architectural Graphic Standards 10th Edition pp. 711-736	Hoke, J. R.	Link
ESL-TR-00-01-01	An Exploratory Initiative for Improving Low-Cost Housing in Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	McKittrick, T. L.; Haberl J. S.; Graham, C. W.; Claridge, D. E.; Swain, W. B.	Link
ESL-TR-00-01-02	Determining Long-Term Performance of Cool Storage Systems from Short-Term Tests, Case Study #1: Application of the Lumped Model Approach to a Large Hotel in San Francisco, 1-00, Revised 3-00, Final Revision 8-00, <i>Energy Systems Laboratory, Texas A&M University.</i>	Reddy, A.; Elleson, J.; Haberl, J.	Link
ESL-TR-00-02-01	Program Overview: The Texas LoanSTAR Program; 1989-October 1999, A 10-Year Experience, <i>Energy Systems Laboratory, Texas A&M University</i> .	Turner, W. D.; Claridge, D. E.; O'Neal, D. L.; Haberl, J.; Heffington, W. M.	Link
ESL-TR-00-03-01	Data Visualization for Quality-Check Purposes of Monitored Electricity Consumption in All Office Buildings in the ESL Database, <i>Energy Systems Laboratory, Texas A&M University.</i>	Sreshthaputra, A.; Abushakra, B.; Haberl, J.; Claridge, D. E.	Link
ESL-PA-00-04-01	Energy and Demand Savings from Implementation Costs in Industrial Facilities	Razinha, J. A.; Heffington, W. M.	Link
ESL-PA-00-04-02	Building Integrated Photovoltaics: An Analysis of the Benefits of Photovoltaic Coated Glazing in Commercial Buildings, <i>Proceedings of the 36th Conference of the Associated Schools of Construction</i> , Purdue University, West Lafayette, Indiana, pp. 307-319.	Sylvester, K. E.; Haberl, J.	Link
ESL-IE-00-04-01	Freeze Concentration Applied to Hazardous Waste Management	Ruemekorf, R.	Link
ESL-IE-00-04-02	A Novel New Approach to VOC and HAPS Emission Control	McGinness, M.	Link
ESL-IE-00-04-03	Celanese Chemicals Clear Lake Plan: Energy Projects Assessment and Implementation	Weber, J.	Link
ESL-IE-00-04-04	Steam Management - The 3M Approach	Renz, R. L.	Link
ESL-IE-00-04-05	Steam Efficiency: Impacts from Boilers to the Boardroom	Russell, C.	Link
ESL-IE-00-04-06	Steam System Optimization: A Case Study	Iordanova, N. H.; Venkatesan, V. V.	Link
ESL-IE-00-04-07	Sugar Land Facility: Lighting and Window Tinting Upgrades	Mesenbrink, C.	Link
ESL-IE-00-04-08	Integration of a Process Waste Gas Into a Site's Energy Concept	Peterson, J.	Link
ESL-IE-00-04-09	Flash Steam Recovery Project	Bronhold, C.J.	Link
ESL-IE-00-04-10	Industries of the Future: Creating a Sustainable Technology Edge	Glatt, S. L.	Link
ESL-IE-00-04-11	Water Management Technologies from Europe	Woinsky, S. G.	Link
ESL-IE-00-04-12	Water Pinch Success Story at Solutia's Krummrich Plant	Kumana, J. D.	Link
ESL-IE-00-04-13	Validation of Energy Efficiency Projects: Can You Run Effective Energy Management Programs Without It?	Martin, V.; Falk, M. A.	Link
ESL-IE-00-04-14	Comparison of Bottom-up and Top-down Forecasts: Vision Industry Energy Forecasts with Items and NEMS	Roop, J. M.; Dahowski, R. T.	Link

ESL-IE-00-04-15	Exergy Analysis of Industrial Air Compression	Bader, W. T.; Kissock, J. K.	Link
ESL-IE-00-04-16	Implementing MSE 2000: Procedures	Brown, M.; Adams, J.	Link
ESL-IE-00-04-17	Energy and Demand Savings from Implementation Costs in Industrial Facilities	Razinha, J. A.; Heffington, W. M.	Link
ESL-IE-00-04-18	HEATMAP@CHP - The International Standard for Modeling Combined Heat and Power Systems	Bloomquist, R. G.; O'Brien, R. G.	Link
ESL-IE-00-04-19	SUNOCO'S Experience with the Climate Wise Environmental Database and Tracking Software	Verdiani, D.; James, K.	Link
ESL-IE-00-04-20	Rule-Based Energy Management System	Thomasson, F. Y.; Childress, R. L.; Jr.	Link
ESL-IE-00-04-21	Environmental Cost Analysis	Edge, D.	Link
ESL-IE-00-04-22	Steam Best Practice Resources and Tools: "Old" News is "New" News!	Wright, A. L.; Hart, F.; Russell, C.; Jaber, D.	Link
ESL-IE-00-04-23	Implementation of Boiler Best Practices	Blake, N. R.	Link
ESL-IE-00-04-24	Backpressure Steam Cogeneration: A History and Review of the "Cheapest Power You'll Never Buy"	Geoffroy-Michaels, E.	Link
ESL-IE-00-04-25	Virtual Workshops: Using Today's Networking Tools to Train Tomorrow's Experts	Kane, J. F.; Jr.; Bailey, W. F.	Link
ESL-IE-00-04-26	Studies in Power Quality Success	Laan, B. A.	Link
ESL-IE-00-04-27	The Constant Voltage Transformer (CVT) for Mitigating the Effects of Voltage Sags on Industrial Equipment	Ferraro, R. J.; Osborne, R.; Stephens, R.	Link
ESL-IE-00-04-28	Improving Cooling System Immunity Supply Voltage Sags in Petroleum and Chemical Industries	Dorr, D. S.	Link
ESL-IE-00-04-29	Steam Condensation Induced Waterhammer	Kirsner, W.	Link
ESL-IE-00-04-30	Steam Conservation and Boiler Plant Efficiency Advancements	Fiorino, D. P.	Link
ESL-IE-00-04-31	The Enbridge Consumers Gas "Steam Saver" Program ("As Found" Performance and Fuel Saving Projects from Audits of 30 Steam Plants)	Griffin, B.	Link
ESL-IE-00-04-32	Issues and Challenges in Energy Benchmarking	Birchfield, G. S.	Link
ESL-IE-00-04-33	Corporate Energy Management: A survey of Large Manufacturing Companies	Norland, D. L.; Lind, L.	Link
ESL-IE-00-04-34	Outlook for Industrial Energy Benchmarking	Hartley, Z.	Link
ESL-IE-00-04-35	Electrical Usage Characterization of Semiconductor Processing Tools	Hinson, S. R.	Link
ESL-IE-00-04-36	Energy Efficient Design of a Waste Heat Rejection System	Mehta, D. P.	Link
ESL-IE-00-04-37	Relaying and Controls for Generator Applications	Massey, G. W.	Link
ESL-IE-00-04-38	Investment-Grade Compressed Air System Audit, Analysis, and Upgrade in a Pulp & Paper Mill	Parekh, P. S.	Link
ESL-IE-00-04-39	Foam Cleaning of Steam Turbines	Foster, C.; Curtis, G. C.; Horvath, J. W.	Link
ESL-IE-00-04-40	Cascading Goals and Objectives to Ensure Accountability and Action	Tarifi, M.; Bingham, P. R.	Link
ESL-IE-00-04-41	3M's Corporate Approach to Energy management	Schultz, S. C.; Bingham, P. R.	Link
ESL-IE-00-04-42	Environment and Energy Management from the Ground Up	Hewey, A.	Link
ESL-IE-00-04-43	Restructuring, Tight Budgets and Executive Order 13123 Create New Incentives to Reduce Waste in Federal Industrial Facilities	Verdict, M. E.	Link
ESL-IE-00-04-44	Industrial Energy Procurement Contracts	Thompson, P.; Cooney, K.	Link
ESL-IE-00-04-45	Process Parameters and Energy Use of Gas and Electric Ovens in Industrial Applications	Kosanovic, D.; Ambis, L.	Link
ESL-IE-00-04-46	Reducing NOx in Fired Heaters and Boilers	Garg, A.	Link
ESL-IE-00-04-47	Thermal and Water Pinch Success Stories in Europe	Eastwood, A.	Link
ESL-PA-00-05-01	Simulation and Optimization on Power Plant Operation Using Segal's EOP Program	Zhou, J.; Deng, S.; Turner, W. D.; Liu, M.	Link
ESL-TH-00-05-01	Development and Validation of a Computer Model for Energy-Efficient Shaded Fenestration Design, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University.</i>	Oh, K. W.	Link
ESL-TR-00-05-01	Investigation of PVC Pipe Failure at Terrell State Hospital – Final Report, <i>Energy Systems Laboratory, Texas A&M University.</i>	Wei, G.; Deng, S.; Claridge, D. E.; Turner, W. D.	Link
ESL-HH-00-05-01	Sustainable Features of McKinney ISD Elementary School	McClure, J. D.; Estes, J. M.; Keep, G.	Link
ESL-HH-00-05-02	Sustainability in a Subtropical Climate	Cazayoux, E. J.	Link
ESL-HH-00-05-03	Expensive Moisture/Insulation System Problems at Several Central Florida and South Texas Nursing Homes	Lotz, W. A.	Link
ESL-HH-00-05-04	A New Ventilation System Integrates Total Energy Recovery, Conventional Cooling and a Novel 'Passive' Dehumidification Wheel to Mitigate the Energy, Humidity Control and First Cost Concerns Often Raised when Designing for ASHRAE Standard 62-1999 Compliance	Fischer, J. C.	Link
ESL-HH-00-05-05	Integrated Temperature and Humidity Control: A Unique Approach	Shah, D. J.	Link
ESL-HH-00-05-06	Cromer Cycle Air Conditioner: A Unique Air-Conditioner Desiccant Cycle to Enhance Dehumidification and Save Energy	Cromer, C.J.	Link
ESL-HH-00-05-07	Short-Term Monitoring to Diagnose Comfort Problems in a Residence in Central Texas, <i>Proceedings of the 12th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Texas Building Energy Institute, San Antonio, Texas (May), pp. 47-61	Kootin-Sanwu, V.; Sresthaputra, A.; Haberl, J.	Link
ESL-HH-00-05-08	Integrated Commissioning for a Large Medical Facility	Zhu, Y.; Batten, T.; Turner, W. D.; Claridge, D. E.; Giebler, T.; Liu, M.; Zhou, J.; Cameron, C.; Keeble, B.; Hirschak, R.	Link
ESL-HH-00-05-09	Optimization Measures for Sporting and Special Event Facilities: Design and Operation	Giebler, T.; Wei, G.; Deng, S.; Claridge, D. E.; Turner, W. D.; Liu, M.	Link
ESL-HH-00-05-10	Building Envelope Air Leakage Failure in Small Commercial Buildings Related to the Use of Suspended Tile Ceilings	Withers, C. R.; Cummings, J. B.	Link
ESL-HH-00-05-11	Best Practice For the Location of Air and Thermal Boundaries in Small Commercial Buildings	Cummings, J. B.; Withers, C. R.	Link
ESL-HH-00-05-12	Physical Surveys of Over 300 Buildings in Hot and Humid Climates Indicate Material/Design Performance Flaws Exist in Comparison to Expected Results Using Nationally Accepted Standards	Othmer, A. E.	Link
ESL-HH-00-05-13	The Importance of Using an Air Barrier in Residential Housing Construction in Hot and Humid Climates	Weston, T. A.; Donihoo, D. L.	Link
ESL-HH-00-05-14	Clean-up of Contaminated Indoor Air Using Photocatalytic Technology	Hingorani, S.; Greist, H.; Goswami, T.; Goswami, Y.	Link
ESL-HH-00-05-15	The Application of Ultraviolet Germicidal Technology in HVAC Systems	Taylor, M. J.	Link
ESL-HH-00-05-16	Comfort Conditions in a Habitat for Humanity House in Central Texas, <i>Proceedings of the 12th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Texas Building Energy Institute, San Antonio, Texas (May) pp. 129-135	Kootin-Sanwu, V.; Haberl, J.; Kim, B.	Link
ESL-HH-00-05-17	ASHRAE's Residential Ventilation Standard: Exegesis of Proposed Standard 62.2	Sherman, M.	Link

ESL-HH-00-05-18	Commissioning of A Large Office Building in Texas – A Case Study	Deng, S.; Turner, W. D.; Liu, M.	Link
ESL-HH-00-05-19	Optimize the Supply Air Temperature Reset Schedule for a Single-Duct VAV System	Wei, G.; Claridge, D. E.; Liu, M.	Link
ESL-HH-00-05-20	A Simple and Quick Chilled Water Loop Balancing for Variable Flow System	Zhu, Y.; Batten, T.; Turner, W. D.; Claridge, D. E.; Liu, M.	Link
ESL-HH-00-05-21	Development of a Procedure for the Predictive Control Strategy of a Chilled Water Storage System	Wei, G.; Sakuri, Y.; Claridge, D. E.; Turner, W. D.; Liu, M.	Link
ESL-HH-00-05-22	Wall Design Redundancy for Improving the Moisture Performance of Building Cladding Systems in Hot-Humid Climates	Graham, C. W.	Link
ESL-HH-00-05-23	Integrated Hygrothermal Performance of Building Envelopes and Systems in Hot and Humid Climates	Karagiozis, A. N.; Desjarlais, A.; Salonvaara, M.	Link
ESL-HH-00-05-24	Critical Plane Analysis of Wall Assembly in a Hot, Humid Climate	Turner, S. C.	Link
ESL-HH-00-05-25	Improved Air Volume Control Logic for VAV Systems	Wei, G.; Claridge, D. E.; Sakuri, Y.; M. Liu	Link
ESL-HH-00-05-26	Continuous Commissioning of a Central Chilled Water & Hot Water System	Deng, S.; Turner, W. D.; Batten, T.; Liu, M.	Link
ESL-HH-00-05-27	The Brazos Valley Energy Conservation Coalition, Part of the Rebuild America Program in Texas: Program Update, <i>Proceedings of the 12th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Texas Building Energy Institute, San Antonio, Texas (May), pp. 207-215	Yazdani, B.; Haberl, J.; Culp, C.; Turner, W. D.; Claridge, D. E.; Myers, M.	Link
ESL-HH-00-05-28	Program Overview: The Texas LoanSTAR Program; 1989-October 1999, A 10-Year Experience, <i>Proceedings of the 12th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Texas Building Energy Institute, San Antonio, Texas (May), pp. 216-225	Turner, W. D.; Claridge, D. E.; O'Neal, D. L.; Haberl, J.; Heffington, W. M.; Taylor, D.; Sifuentes, T.	Link
ESL-HH-00-05-29	Best Practice Upgrades for New Energy Efficient Homes in Hot and Humid Climates	Meisegeier, D.; Hall, J.	Link
ESL-HH-00-05-30	Enhanced Software for Displaying Orthographic, Stereographic, Gnomonic and Cylindrical Projections of the Sunpath Diagram and Shading Mask Protractor, <i>Proceedings of the 12th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Texas Building Energy Institute, San Antonio, Texas (May), pp. 234-247.	Oh, K. W.; Haberl, J.; Degelman, L. O.	Link
ESL-HH-00-05-31	Development of Simplified Calculations for a Multipyranometer Array for the Measurement of Direct and Diffuse Solar Radiation, <i>Proceedings of the 12th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Texas Building Energy Institute, San Antonio, Texas (May), pp. 248-259.	Munger, B. K.; Haberl, J.	Link
ESL-HH-00-05-32	Below Canopy Meteorological Measurements at Three Florida Sites with Varying Tree Cover and Development	Sonne, J. K.; Vieira, R. K.	Link
ESL-HH-00-05-33	Development of a High Efficiency Ceiling Fan	Parker, D. S.; Callahan, M. P.; Sonne, J. K.; Su, G. H.; Hibbs, B. D.	Link
ESL-HH-00-05-34	Optimization Control Strategies for HVAC Terminal Boxes	Zhu, Y.; Batten, T.; Noboa, H.; Claridge, D. E.; Turner, W. D.; Liu, M.; Zhou, J.; Cameron, C.; Keeble, D.; Hirschak, R.	Link
ESL-HH-00-05-35	Enthalpy Wheels Come of Age: Applying Energy Recovery Ventilation to Hospitality Venues in Hot, Humid Climate	Wellford, B. W.	Link
ESL-HH-00-05-36	Factors Influencing Water Heating Energy Use and Peak Demand in a Large Scale Residential Monitoring Study	Bouchelle, M. P.; Parker, D. S.; Anello, M. T.	Link
ESL-HH-00-05-37	Short Term Energy Monitoring: What Does This Information Mean to the Facility Energy Manager	Bryant, J. A.; Carlson, K. A.	Link
ESL-HH-00-05-38	Procedures for Filling Short Gaps in Energy Use and Weather Data	Chen, H.; Claridge, D. E.	Link
ESL-HH-00-05-39	A Systems Integration Approach To Lighting Control Systems	Lynch, S.; Renner, R. A.	Link
ESL-HH-00-05-40	A Model for Evaluation of Life-Cycle Energy Savings of Occupancy Sensors for Control of Lighting and Ventilation in Office Buildings	Degelman, L. O.	Link
ESL-HH-00-05-41	Field-Evaluation of Alternative HVAC Strategies to Meet Ventilation, Comfort and Humidity Control Criteria at Three Full-Serve Restaurants	Yborra, S. C.; Spears, J. W.	Link
ESL-HH-00-05-42	Validation of a Building Simulation Tool Using Field Data for Three Identical Configuration Full-Serve Restaurants Using Different HVAC Systems	Brillhart, P. L.; Worek, W. M.	Link
ESL-HH-00-05-43	Development of a Water Loop Simulation at the Texas A&M University Main Campus	Xue, H.; Deng, S.; Claridge, D. E.; Liu, M.	Link
ESL-HH-00-05-44	Importance of Design Conditions for Sizing Air-Conditioning Plant	Shaban, N.; Maheshwari, G. P.; Suri, R. K.	Link
ESL-HH-00-05-45	Simulation and Optimization on Power Plant Operation Using Segal's EOP Program	Zhou, J.; Deng, S.; Turner, W. D.; Liu, M.	Link
ESL-HH-00-05-46	Cooling Tower Operation in the Hot and Humid Climates of Arid Zones	Al-Bassam, E.; Maheshwari, G. P.; Sebzali, M.	Link
ESL-HH-00-05-47	Energy Efficient Rondavels in the Kruger National Game Reserve, South Africa	Holm, D.	Link
ESL-HH-00-05-48	A Sustainable Medical Center in Texas	Pfeiffer, P. L.; Miller, B.	Link
ESL-HH-00-05-49	Analysis of the Benefits of Photovoltaic in High Rise Commercial Buildings	Sylvester, K. E.; Haberl, J.	Link
ESL-HH-00-05-50	Performance Assessment of Photovoltaic Attic Ventilator Fans	Parker, D. S.; Sherwin, J. R.	Link
ESL-HH-00-05-51	Control of Humidity With Single-Duct, Single-Zone, Constant Air Volume System	Chen, H.; Deng, S.; Bruner, H. L.; Claridge, D. E.	Link
ESL-HH-00-05-52	Lessons Learned From the Continuous Commissioning of a Multi-Functional Commercial Building	Liu, C.; Deng, S.; Claridge, D. E.; Turner, W. D.	Link
ESL-TR-00-06-01	Compilation of Diversity Factors and Schedules for Energy and Cooling Load Calculations, ASHRAE Research Project 1093, Phase III Draft Report, Compilation of Diversity Factors and Load Shapes, <i>Energy Systems Laboratory, Texas A&M University</i> .	Abushakra, B.; Haberl, J.; Claridge, D. E.; Sreshthaputra, A.	Link
ESL-PA-00-08-01	Program Overview: The Texas LoanSTAR Program, 1989 – October 1999, A 10-Year Experience, <i>Proceedings of the 2000 ACEEE Summer Study on Energy Efficiency in Buildings</i> , Vol. 4, pp. 4.365 – 4.376.	Turner, W. D.; Claridge, D. E.; O'Neal, D. L.; Haberl, J.; Heffington, W. M.; Taylor, D.; Sifuentes, T.	Link

ESL-PA-00-08-02	Rebuild America Program in Texas: Update on the Brazos Valley Energy Conservation Coalition, <i>Proceedings of the 2000 ACEEE Summer Study on Energy Efficiency in Buildings</i> , Vol. 4, pp. 4.117 – 4.130.	Haberl, J.; Yazdani, B.; Culp, C.; Turner, D.; Claridge, D.; Meyers, M.	Link
ESL-TH-00-08-02	The Effect of a 90° Elbow on the Accuracy of Liquid Flow Measurement with an Insertion Flowmeter, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Woo, S.	Link
ESL-TH-00-08-03	Modeling of Refrigerant Flow Through Flexible Short Tube Orifices, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Abdel Ghani, R.	Link
ESL-TR-00-08-01	Determining Long-Term Performance of Cool Storage Systems from Short-Term Tests, Final Report, <i>Energy Systems Laboratory, Texas A&M University</i> , Revised January 2001.	Reddy, T. A.; Elleson, J.; Haberl, J.	Link
ESL-TR-00-11-01	Vending Machine Energy Consumption and VendingMiser Evaluation, <i>Energy Systems Laboratory, Texas A&M University</i> .	Ritter, J.; Huggins, J.	Link
ESL-TH-00-12-01	Improving the Reliability and Accuracy of A Multipyranometer Array Measuring Solar Radiation, <i>Masters Thesis, Department of Architecture, Texas A&M University</i> .	Klima, P. M.	Link
ESL-TH-00-12-03	Study of Cubic Splines and Fourier Series as Interpolation Techniques for Filling in Short Periods of Missing Building Energy Use and Weather Data, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Baltazar-Cervantes, J. C.	Link
ESL-PA-01-01-01	Handbook of Heating, Ventilation and Air Conditioning, <i>CRC Press LLC</i> , New York, N.Y., pp. 6.53-6.99 .	Huang, J.; Haberl, J.; Kreider, J. F.	Link
ESL-TR-01-02-02	Air-Side Energy Use Calculations for Four HVAC Systems: Dual Duct Constant Volume (DDCAV), Dual Duct Variable Volume (DDVAV), Constant Volume with Reheat (CAVRH), Variable Volume with Reheat (VAVRH), Four Pipe Fan Coil Unit (FC), Four Pipe Induction Unit (FI), and Single Zone (SZ) Systems, Revised June 2002, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S., Saman, N.; Bou-Saada, T.	Link
ESL-TR-01-03-01	Air-Side Energy Use Calculations for Four HVAC Systems: Dual Duct Constant Volume (DDCAV), Dual Duct Variable Volume (DDVAV), Constant Volume with Reheat (CAVRH0), Variable Volume with Reheat (VAVRH), March 2001, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.	Link
ESL-PA-01-04-01	Development of a Computer Model for Solar Simulation and Shaded Fenestration Design, <i>Procedings of the ASME Solar Engineering Conference</i> , April 21-25, 2001, Washington, DC.	Kie-Whan Oh, J.; Haberl, J.; Degelman, L. O.	Link
ESL-TR-01-04-01	Compilation of Diversity Factors and Schedules for Energy and Cooling Load Calculations, ASHRAE Research Project 1093-RP, Final Report, <i>Energy Systems Laboratory, Texas A&M University</i> .	Abushakra, B.; Sreshthaputra, A.; Haberl, J.; Claridge, D. E.	Link
ESL-TH-01-05-01	Short-Term Monitoring, Long-Term Prediction of Building Energy Use, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Abushakra, B.	Link
ESL-TH-01-05-02	Evaluation of Fin Staging Methods for Minimizing Coil Frost Accumulation, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Watters, R.	Link
ESL-TH-01-05-03	Simulation and optimization of cogeneration power plant operation using an Energy Optimization Program, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Zhou, J.	Link
ESL-TR-01-05-01	Development of a Toolkit for Calculating Linear, Change-Point Linear and Multiple-Linear Inverse Building Energy Analysis Models, ASHRAE Research Project 1050-RP, Detailed Test Results, <i>Energy Systems Laboratory, Texas A&M University</i> .	Sreshthaputra, A.; Haberl, J.; Claridge, D. E.	Link
ESL-IE-01-05-01	The Steam System Scoping Tool: Benchmarking Your Steam Operations Through Best Practices	Wright, A.; Hahn, G.	Link
ESL-IE-01-05-02	Case Study: Lessons Learned from Converting Electric Chillers to Steam Chillers in an Electric Deregulated Market	Wohl, J.	Link
ESL-IE-01-05-03	DOE/OIT Plant-Wide Energy Assessment Experience Summary	Olszewski, M.; Leach, R.; McElhaney, K.	Link
ESL-IE-01-05-04	Best Practices: The Engineering Approach for Industrial Boilers	Blake, N. R.	Link
ESL-IE-01-05-05	Pinch Technology Without Tears	Pollay, G. T.	Link
ESL-IE-01-05-06	Benchmarking Corporate Energy Management	Norland, D. L.	Link
ESL-IE-01-05-07	Plant Level Energy Performance Benchmarking	Hicks, T. W.	Link
ESL-IE-01-05-08	Energy Efficiency Programs for Small and Medium Sized Industry	Shipley, A. M.; Elliott, R. N.	Link
ESL-IE-01-05-09	ENERGY STAR ® Helps Manufacturers to Achieve High Energy Performance	Dutrow, E.; Hicks, T.	Link
ESL-IE-01-05-10	Industrial Productivity Assessment or One of the Best Ways to Save Energy is to Find Ways to Produce More Product!	Welch, D.	Link
ESL-IE-01-05-11	Barriers and Opportunities: A Review of Selected Successful Energy-Efficiency Programs	Worrell, E.; Price, L.	Link
ESL-IE-01-05-12	Resource Conservation in Snack Food Processing	Perry, L. E.; Meyers, G. R.	Link
ESL-IE-01-05-13	Where's the Beef? ConAgra's Approach to Energy Sources & Efficiency in Meat Processing	Kananen, T. M.	Link
ESL-IE-01-05-14	Everything You Ever Wanted to Know About Food Processing	Adams, N.; Milmo, P. H.	Link
ESL-IE-01-05-15	Energy and the Foods Processing Industry	Baker, R.	Link
ESL-IE-01-05-16	Energy Efficiency in Process Plant Utilities	Aggarwal, S.	Link
ESL-IE-01-05-17	Parallel Condensing System as Heat Sink for Power Plants	Akhtar, S. Z.	Link
ESL-IE-01-05-18	Application of the Concept of Exergy on the Selection of Gas-turbine Engine for Combined-cycle Power Plant Design	Huang, F. F.; Naumowicz, T.	Link
ESL-IE-01-05-19	Consideration of Fouling During the Design of Crude Oil Pre-Heat Trains	Polley, G. T.; Pugh, S. J.; Wilson, D. I.	Link
ESL-IE-01-05-20	Dealing with Uncertainties During Heat Exchanger Design	Polley, G. T.; Pugh, S. J.	Link
ESL-IE-01-05-21	Efficient, Inexpensive Motors: A New Trend in the Motors Market	Wroblewski, R. G.	Link
ESL-IE-01-05-22	Implementing Motor Decision Plans	Elliott, R. N.	Link
ESL-IE-01-05-23	Developing a Motor Management Policy at BASF	Zickefoose, B.; Theising, T. R.	Link
ESL-IE-01-05-24	The Industries of the Future Program: What's in it for Texas Industries	Ferland, K. A.	Link
ESL-IE-01-05-25	Emerging Energy-Efficient Technologies for Industry	Worrell, E.; Martin, N.; Price, L.; Ruth, M.; Elliott, N.; Shipley, A.; Thorn, J.	Link
ESL-IE-01-05-26	A Highly Successful Holistic Approach to a Plant Wide Energy Management System	Fendt, F. P.	Link
ESL-IE-01-05-27	Insights on Why Companies Pay Attention to Energy Management	Norland, D.	Link
ESL-IE-01-05-28	Corporate Energy Management -- Perspectives and Motivations	Bessette, R. D.	Link
ESL-IE-01-05-29	Energy Efficiency Best Practice Guide ©	Rouse, S.	Link
ESL-IE-01-05-30	Special Coating Emission Control System at Goulds Pumps ITT Industries	Caropolo, B.; Evans, T.	Link
ESL-IE-01-05-31	Energy, Cost-Savings and Pollution-Reduction Impacts of Industrial Programs Sponsored by the U.S. Department of Energy	Placet, M.; Weakley, S. A.; Roop, J. M.	Link
ESL-IE-01-05-32	Advanced Distillation: Programs Proposed to DOE	Woinsky, S. G.	Link
ESL-IE-01-05-33	Monitoring and Targeting (M&T): A Low Investment, Low Risk Approach to Energy Cost Savings	McMullan, A.; Rutkowski, M.; Karp, A.	Link
ESL-IE-01-05-34	A Prescription for Value: Building Automation in a Competitive Energy Market	Kuhel, G. J.	Link
ESL-IE-01-05-35	The Development of an Energy Evaluation Tool for Chilled Water Systems	Stocki, M.; Kosanovic, D.; Ambs, L.	Link
ESL-IE-01-05-36	Rule-Based Energy Management System Applied to Large Industrial Facilities	Gauthier, M.; Childress, R. L.	Link

ESL-IE-01-05-37	Savings in Steam Systems (A Case Study)	DeBat, R.	Link
ESL-IE-01-05-38	The Future of Steam: A Preliminary Discussion	Russell, C.; Harrell, G.;	Link
ESL-IE-01-05-39	Steam Champions in Manufacturing	Moore, J.; Jr.; French, S.	Link
ESL-IE-01-05-40	Use Spread-sheet Based CHP Models to Identify and Evaluate Energy Cost Reduction Opportunities in Industrial Plants	Russell, C.	Link
ESL-PA-01-06-02	Effect of Fin Staging on Frost/Defrost Performance of a Two-Row Heat Pump Evaporator under Heavy Frosting Conditions, <i>ASHRAE Transactions: Research</i> , Vol. 107, Pt. 2, June 2001.	Kumana, J. D.	Link
ESL-PA-01-07-01	Extended Industrial Energy Assessments Supported by Monitoring, <i>American Council for an Energy Efficient Economy Summer Study</i> , Tarrytown, New York, Vol. 2, pp. 339-350.	Watters, R. J.; O'Neal, D. L.; Yang, J.	Link
ESL-TR-01-06-01	HVAC Data Visualization: Past, Present, & Future, <i>ASHRAE Seminar 46, Cincinnati Meeting</i> , 2001.	Heffington, W. M.; Eggebrecht, J. A.	Link
ESL-IC-01-07-01	Continuous Commissioning: A Valuable Partner to Retrofit Projects	Haberl, J.	Link
ESL-IC-01-07-02	Building Operator Certification: Improving Commercial Building Energy Efficiency Through Operator Training and Certification	Zhu, Y.; Culp, C.; Turner, D.; Yazdani, B.; Athar, A.; Banks, K.	Link
ESL-IC-01-07-03	Laboratory Air Handling Unit System	Putnam, C.; Mulak, A.	Link
ESL-IC-01-07-04	ASHRAE's Proposed Guideline 14P for Measurement of Energy and Demand Savings: How to Determine What Was Really Saved by the Retrofit	Cui, Y.; Liu, M.	Link
ESL-IC-01-07-05	Stipulations in Performance Contracting M&V: the Good, the Bad, and the Ugly	Haberl, J.; Reeves, G.; Gillespie, K.; Claridge, D.; Cowan, J.; Culp, C.; Frazell, W.; Heinemeier, K.; Kromer, S.; Kummer, J.; Mazzocchi, R.; Reddy, A.; Schiller, S.; Sud, I.; Wolpert, J.; Wutka, T.	Link
ESL-IC-01-07-06	Using Utility Bills and Average Daily Energy Consumption to Target Commissioning Efforts and Track Building Performance	Stetz, M.; Webster, L.; Bradford, J.	Link
ESL-IC-01-07-07	An Overview of Proportional plus Integral plus Derivative Control and Suggestions for Its Successful Application and Implementation	Sellers, D.	Link
ESL-IC-01-07-08	Coordinated Control of HVAC Systems	Sellers, D.	Link
ESL-IC-01-07-09	A Study to Determine the Energy Impact of Adding Polarshield to Air Conditioning Systems	Federspiel, C. C.; Lanning, S. D.; Li, H.; Auslander, D. M.	Link
ESL-IC-01-07-10	Retrocommissioning's Greatest Hits	Cromer, C.J.	Link
ESL-IC-01-07-11	Commissioning to Meet Space Qualification Criteria vs. Energy Consumption Optimization Focused Commissioning	Haas, T.; Potter, A.; Irvine, L.	Link
ESL-IC-01-07-12	An Integrated Air Handling Unit System for Large Commercial Buildings	Sellers, D.; Irvine, L.	Link
ESL-IC-01-07-13	Internet-based Building Performance Analysis Provided as a Low-Cost Commercial Service	Song, L.; Liu, M.	Link
ESL-IC-01-07-14	State of the Art Energy Submetering at Texas Department of Criminal Justice Industries	Heinemeier, K.; Koran, W.	Link
ESL-IC-01-07-15	Technology Enablers for Next-Generation Economic Building Monitoring Systems	Bryant, J. A.; McBride, J.; Merka, T.	Link
ESL-IC-01-07-16	Case Studies of Commissioning HVAC Systems	Sweeney, J.; Culp, C. H.	Link
ESL-IC-01-07-17	Comparison of Chiller Models for Use in Model-Based Fault Detection	Browning, B. K.	Link
ESL-IC-01-07-18	Cromer Cycle Air Conditioner: A Study to Confirm Target Performance	Sreedharan, P.; Haves, P.	Link
ESL-IC-01-07-19	Lessons and Measures Learned from Continuous Commissioning(SM) of Central Chilled/Hot Water Systems	Cromer, C.J.	Link
ESL-IC-01-07-20	Obtaining and Ensuring Persistence of O&M Savings Through Resource Conservation Management	Deng, S.; Turner, D.; Claridge, D. E.; Bruner, H.; Chen, H.; Wei, G.	Link
ESL-IC-01-07-21	Energy Efficient Single Stack Exhaust Fan Systems (E3S3F)	Miller, W.	Link
ESL-IC-01-07-22	Measured Energy Use Indices for 27 Office Buildings, <i>Proceedings of the 1st International Conference for Enhanced Building Operation</i> , Austin, Texas, pp. 185-200 (July).	Wang, G.; Liu, M.	Link
ESL-IC-01-07-23	Demand Relief and Weather Sensitivity in Large California Commercial Office Buildings	Haberl, J.; Sreshthaputra, A.; Claridge, D.; Turner, D.; Harmon, K.; Kisselburgh, J.; Mase, R.	Link
ESL-IC-01-07-24	Energy Use in the U.S. Commercial Sector – Energy Information Administration Data, Information and Analyses	Kinney, S.; Piette, M. A.; Gu, L.; Haves, P.	Link
ESL-IC-01-07-25	Energy Management Program at Atlanta Postal Distribution Center	Boedecker, E.	Link
ESL-IC-01-07-26	A Residential Duct Leakage Case Study on 'Good Cents' Homes	Brown, M.; Ansari, A.	Link
ESL-IC-01-07-27	Monitoring and Verification Procedures Used in the Texas LoanSTAR and Rebuild America Programs, <i>Proceedings of the 1st International Conference for Enhanced Building Operation</i> , Austin, Texas, pp. 235-246 (July).	Bryant, J. A.; Perez, R.	Link
ESL-IC-01-07-28	Development of Load Forecasting Procedures for the Texas A&M University System, <i>Proceedings of the 1st International Conference for Enhanced Building Operation</i> , Austin, Texas, pp. 247-254 (July).	Farouz, S.; Baltazar-Cervantes, J. C.; Haberl, J.; Claridge, D.	Link
ESL-IC-01-07-29	Accounting for the Occupancy Variable in Inverse Building Energy Baseline Models	Baltazar, J.C.; Lim, C.; Haberl, J.; Turner, W. D.; Claridge, D.	Link
ESL-IC-01-07-30	Continuous Commissioning SM of a Thermal Storage System	Abushakra, B.; Claridge, D.	Link
ESL-IC-01-07-31	Performance Analysis of Dual-Fan, Dual-Duct Constant Volume Air-Handling Units	Wei, G.; Claridge, D. E.; Turner, W. D.; Liu, M.	Link
ESL-IC-01-07-32	Evaluation of Emerging Diagnostic Tools for Commercial HVAC Systems	Joo, I. S.; Liu, M.	Link
ESL-TH-01-08-01	A Study of Industrial Equipment Energy Use and Demand Control, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Friedman, H.; Piette, M. A.	Link
ESL-TR-01-09-01	Energy Savings Report For Dallas County July 2000 – June 2001, <i>Energy Systems Laboratory, Texas A&M University</i>	Dooley, E. S.	Link
ESL-TR-01-10-01	Retrofit Savings Determination for Wichita Falls Independent School District, <i>Energy Systems Laboratory, Texas A&M University</i>	Claridge, D. E.; Baltazar, J.C.-C.; Zhu, Y.	Link
ESL-TR-01-10-02	Retrofit Savings for Brazos County, <i>Energy Systems Laboratory, Texas A&M University</i>	Shao, X.; Baltazar, J.C.-C.; Claridge, D. E.	Link
ESL-TR-01-11-01	Internet Polling Development Report, <i>Energy Systems Laboratory, Energy Systems Laboratory, Texas A&M University</i> .	Baltazar, J.C.-C.; Shao, X.; Claridge, D. E.	Link
ESL-TR-01-12-01	Access and Display of LoanSTAR Data via the Internet, <i>Energy Systems Laboratory, Texas A&M University</i> .	Klima, P.; Lockhart, D.; Haberl, J.	Link

ESL-TR-01-12-02	Internet Datalogging and Display, <i>Energy Systems Laboratory, Texas A&M University.</i>	Sweeney, J.; Jr.; Culp, C.; Haberl, J.	Link
ESL-TH-01-12-01	The Effects of Galvanic Corrosion on Air Conditioner Performance, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Grisham, P.	Link
ESL-PA-01-07-03	Functional-based Flow Modeling and Animation, <i>Journal of Visualization and Computer Animation</i> , Vol. 12, pp. 181-189.	Akleman, E.; Melek, Z.; Haberl, J. S.	Link
ESL-PA-02-01-01	Field Monitoring and Data Validation for Evaluating the Performance of Cool Storage Systems, <i>ASHRAE Transactions-Research</i> , 2002, Vol. 108, Pt. 1, pp. 1072-1084	Elleson, J. S.; Haberl, J.; Reddy, T. A.	Link
ESL-PA-02-01-02	Methodology Development for Determining Long-Term Performance of Cool Storage Systems from Short-Term Tests, <i>ASHRAE Transactions-Research</i> , 2002, Vol.108, Pt. 1. pp. 1085-1103	Reddy, T. A.; Elleson, J. S.; Haberl, J.	Link
ESL-PA-02-01-03	Development of a Methodology for Baselineing the Energy Use of Large Multi-Building Central Plants, <i>ASHRAE Transactions-Research</i> , Vol.108, Pt. 1. pp. 251-259.	Beasley, R.; Haberl, J.; Turner, W. D.; Claridge, D. E.	Link
ESL-PA-02-01-04	A Numerical Study of Pressure Distribution and Flow through Rigid Short-tube Orifices, <i>ASHRAE Transactions: Research</i> , Vol. 108, Pt. 1, pp. 128-133, January, 2002.	Bassiouny, R.; O'Neal, D. L.	Link
ESL-PA-02-01-05	Control-Oriented Modeling and Analysis of Automotive Transcritical AC System Dynamics, <i>American Control Conference</i>	Rasmussen, B.; Alleyne, A.; Bullard, C.; Hrnjak, P.; Miller, N.	Link
ESL-PA-02-01-06	A Control-Oriented Model of Transcritical Air-Conditioning System Dynamics, <i>Society of Automotive Engineers 2002 World Congress</i>	Rasmussen, B.; Musser, A.; Alleyne, A.; Bullard, C.; Hrnjak, P.; Miller, N.	Link
ESL-TR-02-01-01	Chilled Water System Hydraulic Study for The University of Texas at San Antonio, <i>Energy Systems Laboratory, Texas A&M University.</i>	Xu, C.; Chen, Q.; Deng, S.; Turner, D.	Link
ESL-TR-02-01-02	Sustainability Assessment of the Robert E. Johnson State Office Building, Final Report, Revised April 2002, <i>Energy Systems Laboratory, Texas A&M University.</i>	Sylvester, K. E.; Song, S.; Haberl, J.; Turner, W. D.	Link
ESL-PA-02-02-01	Return Air Leakage Impact on Air Conditioner Performance in Humid Climates, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 124, No. 1, pp. 63-69, February, 2002.	D. L. O'Neal, A. Rodriguez, M. Davis, and S. Kondepudi	Link
ESL-TR-02-02-01	Automated Data Quality Analysis Research and Development, <i>Energy Systems Laboratory, Texas A&M University.</i>	Sweeney, J.; Jr.; Haberl, J.	Link
ESL-PA-02-04-01	Refrigerant Flow through Flexible Short-tube Orifices, <i>International Journal of HVAC&R Research</i> , Vol. 8, No. 2, pp. 179-190, April, 2002.	Y.C. Kim, D.L. O'Neal, W.V. Payne, and M. Farzad	Link
ESL-TR-02-04-01	Texas' Se91-12-02nate Bill 5 Legislation for Reducing Pollution in Non-Attainment and Affected Areas: Procedures for Measuring Electricity Savings from the Adoption of the International Energy Conservation Code (IRC/IECC 2001) in New Residences, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Turner, W. D.	Link
ESL-TR-02-04-03	Proposed Metering and Instrumentation Monitoring and Analysis Plan and Budget: Alamo Community College District, <i>Energy Systems Laboratory, Texas A&M University.</i>	O'Neal, D. L.; Carlson, K. A.; Sweeney, J.; Jr.; Milligan, K.	Link
ESL-IE-02-04-01	Closed-Loop Energy Management Control of Large Industrial Facilities	Childress, R. L.; Jr.	Link
ESL-IE-02-04-02	Energy Audits and Projects Do More Than Save Energy	Doucette, B.; Robinson, J.	Link
ESL-IE-02-04-03	Rationale of State Support of Industries of the Future	Trabachino, C.; Muller M. R.	Link
ESL-IE-02-04-04	The Human Side of Efficiency: The Value of Training in Plant Systems Optimization	Madan, R.	Link
ESL-IE-02-04-05	Energy Efficiency: Marketing and Service Potential for Energy Utilities' Industrial Markets	Russell, C.; Tate, R.; Tubiolo, A.	Link
ESL-IE-02-04-06	Texas Industries of the Future	Ferland, K.	Link
ESL-IE-02-04-07	Energy Improvement in Hydrocarbon Processing	Culler, D.	Link
ESL-IE-02-04-08	Integrated Thermal and Hydraulic Analysis of Distillation Columns	Samant, K.; Sinclair, I.; Keady, G.	Link
ESL-IE-02-04-09	Low Energy Distillation Schemes	Polley, G. T.	Link
ESL-IE-02-04-10	Utility System Management and Operational Optimization	Dhole, V.; Seillier, D.; Garza, K.	Link
ESL-IE-02-04-11	Heat Exchanger Technologies for Distillation Columns	Polley, G. T.	Link
ESL-IE-02-04-12	Integrated Approach to Revamping Heat Exchangers Networks	Glass, K. E.; Dhole, V.; Wang, Y.	Link
ESL-IE-02-04-13	Preliminary Results from the Industrial Steam System Market Assessment	McGrath, G. P.; Wright, A. L.	Link
ESL-IE-02-04-14	TECO BGA Completes Milestone Project for U. S. Navy	Ossi, M.	Link
ESL-IE-02-04-15	ProSteam -- A Structured Approach to Steam System Improvement	Eastwood, A.	Link
ESL-IE-02-04-16	Results From the Industrial Assessment Center (IAC) Steam Tool Benchmarking Support Project	Wright, A. L.; Bassett, K.; Hengeveld, D.; Eckerlin, H.; Ganji, A.; Jendrucko, R.; Kosanovic, D.; Turner, W.	Link
ESL-IE-02-04-17	Implementing Motor Management	Colip, R. L.	Link
ESL-IE-02-04-18	Working With Your Motor Service Center	Yung, C.	Link
ESL-IE-02-04-19	Conducting a Motor Survey: Key Step for Establishing a Motor Management Policy	Miller, R. B.	Link
ESL-IE-02-04-20	Identification of R&D Needs Relating to the Mitigation of Fouling in Crude Oil Pre-heat Trains	Polley, G. T.; Pugh, S. J.	Link
ESL-IE-02-04-21	Design of Crude Oil Pre-Heat Trains	Polley, G. T.; Yeap, B. L.; Wilson, D. I.; Panjeh Shahi, M. H.	Link
ESL-IE-02-04-22	Models for the Prediction of Fowling in Crude Oil Pre-Heat Trains	Yeap, B. L.; Wilson, D. I.; Polley, G. T.	Link
ESL-IE-02-04-23	Emerging Heat Exchanger Technologies for the Mitigation of Fowling in Crude Oil Pre-Heat Trains	Polley, G. T.; Pugh, S. J.; King, D. C.	Link
ESL-IE-02-04-24	Revamping Pre-heat Trains for Energy Saving	Yeap, B. L.; Wilson, D. I.; Pretty, B.; Polley, G. T.	Link
ESL-IE-02-04-25	The Insulation Energy Appraisal: Assessing the True Value of Insulated System	Schell, S.	Link
ESL-IE-02-04-26	Energy Conservation Opportunities in Carbonated Soft Drink Canning/Bottling Facilities	Gangi, A. R.; Hachett, B.; Chow, S.	Link
ESL-IE-02-04-27	Reducing Energy Consumption on Process Ovens and Oxidation Systems	Woracheck, C.	Link
ESL-IE-02-04-28	Energy Efficiency Opportunities in the Brewery Industry	Worrell, E.; Galitsky, C.; Martin, N.	Link
ESL-IE-02-04-29	Case Study -- Steam System Improvements at Dupont Automotive Marshall Laboratory	Larkin, A.	Link
ESL-IE-02-04-30	Steam Partnerships: Case Study of Improved Energy Efficiency	Calogero, M. V.; Hess, R. E.; Leigh, N.	Link

ESL-IE-02-04-31	Steam System Optimization: A Case Study	Iordanova, N.; Venkatesan, V. V.; Calogero, M. V.	Link
ESL-IE-02-04-32	World Class Boilers and Steam Distribution System	Portell, V. P.	Link
ESL-IE-02-04-33	Pacific Gas and Electric Company's Compressed Air Management Program: A Performance Assessment Approach to Improving Industrial Compressed Air System Operation and Maintenance	Qualmann, R. L.; Baker, M.; Zeller, W.	Link
ESL-IE-02-04-34	Product Design for Energy: An Inverted Pyramid Approach	Gopalakrishnan, B.; Alkadi, N. M.; Plummer, R. W.	Link
ESL-IE-02-04-35	Impact of Electricity Deregulation on Industrial Assessment Strategies	Kasten, D. J.; Muller, M. R.; Pavlovic, F.	Link
ESL-IE-02-04-36	Optimizing Student Use and Experiences in Industrial Assessments	Ogot, M. M.; Muller, M. R.; Kasten, D. J.	Link
ESL-IE-02-04-37	Energy Impacts of Productivity Improvements in Manufacturing	Mitrovic, B.; Muller, M. R.	Link
ESL-IE-02-04-38	Demonstration of Natural Gas Engine Driven Air Compressor Technology at Department of Defense Industrial Facilities	Lin, M. C.J.; Aylor, S. W.; Powers, G. R. Ormer, H. V.; Skelton, J. C.; Wenner, P. A.	Link
ESL-IE-02-04-39	Practical Energy Savings and New Process Control Options for Parts Washing and Cleaning Processes	McGinness, M.	Link
ESL-IE-02-04-40	Understanding Emissions from Combined Heat and Power Systems	Shipley, A. M.; Elliott, R. N.; Greene, N.; Carter, S.	Link
ESL-IE-02-04-41	Developing and Implementing the Foundation for a Renewable Energy-Based "Distributed Generation Micro-grid": A California Energy Commission Public Interest Energy Research Co-Funded Program	Lilly, P.; Sebold, F. D.; Carpenter, M.; Kitto, W.	Link
ESL-IE-02-04-42	Demand-Side and Supply-Side Load Management: Optimizing with Thermal Energy Storage (TES) for the Restructuring Energy Marketplace	Andrepoint, J. S.	Link
ESL-IE-02-04-43	Clean Power for the Internet	Brown, E.; Elliott, R. N.; Shipley, A.	Link
ESL-IE-02-04-44	Leadership in Low NOx / Lochinvar Corporation	Sheko, D.; Moore, J.; Boston, S.	Link
ESL-IE-02-04-45	New Houston NOx Rules: Implications and Solutions	Cascone, R.	Link
ESL-PA-02-05-01	Improving Boiler Efficiency Modeling Based On Ambient Air Temperature	Zhou, J.; Deng, S.; Turner, W. D.; Claridge, D. E.; Haberl, J.	Link
ESL-PA-02-05-02	Restoration of Short Periods of Missing Energy Use and Weather Data Using Cubic Spline and Fourier Series Approaches: Qualitative Analysis	Baltazar, J.C.; Claridge, D. E.	Link
ESL-TH-02-05-01	The Persistence of Savings Obtained from Commissioning of Existing Buildings, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Cho, Sool Yeon	Link
ESL-HH-02-05-01	An Introduction to Texas Senate Bill 5, <i>Proceedings of the 13th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Houston, Texas, pp. 1-10	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Turner, W. D.	Link
ESL-HH-02-05-02	Texas' Senate Bill 5 Legislation for Reducing Pollution in Non-Attainment and Affected Areas: Procedures for Measuring Electricity Savings from the Adoption of the International Energy Conservation Code (IRC/IECC 2001) in New Residences, <i>Proceedings of the 13th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Houston, Texas, pp. 11-24	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Turner, W. D.	Link
ESL-HH-02-05-03	Mountain Brook High School Fine Arts Center: Moisture Control Case Study	Nunnally, R. M.	Link
ESL-HH-02-05-04	Avoiding Sick Buildings while Assuring Occupant Productivity and Building Optimization	Int-Hout, D.	Link
ESL-HH-02-05-05	Limiting Abnormal Mold Growth in Buildings	Graham, C. W.	Link
ESL-HH-02-05-06	Designing for Absolute Moisture Control	Nunnally, R. M.; Fex, J. P.	Link
ESL-HH-02-05-07	Better Unitary Equipment Air-Handlers for Efficiency and Humidity Control	Sachs, H. M.	Link
ESL-HH-02-05-08	The Office Air Handling Unit versus the Two Dedicated Air Handling Unit System	Song, L.; Liu, M.	Link
ESL-HH-02-05-09	Optimization of Multi-Stack Exhaust Systems - New System Design Application	Wang, G.; Cui, Y.; Yuill, D.; Liu, M.	Link
ESL-HH-02-05-10	Terminal Box Airflow Reset: An Effective Operation and Control Strategy for Comfort Improvement and Energy Conservation	Liu, M.; Abbas, M.; Zhu, Y.; Claridge, D. E.	Link
ESL-HH-02-05-11	Continuous Commissioning SM Results Verification and Follow-up For an Institutional Building: A Case Study	Chen, H.; Deng, S.; Bruner, H. L.; Claridge, D. E.; Turner, W. D.	Link
ESL-HH-02-05-12	Results of CC Follow-Up in the G. Rollie White Building	Liu, C.; Turner, W. D.; Claridge, D. E.; Deng, S.; Bruner, H. L.	Link
ESL-HH-02-05-13	Energy Savings Assessment for the Robert E. Johnson State Office Building in Austin, Texas, <i>Proceedings of the 13th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Houston, Texas, pp. 103-109	Sylvester, K. E.; Haberl, J.; Song, S.; Turner, W. D.	Link
ESL-HH-02-05-14	EnergyGauge USA: A Residential Building Energy Simulation Design Tool	Fairey, P.; Vieira, R. K.; Parker, D. S.; Hanson, B.; Broman, P. A.; Grant, J. B.; Fuehrlein, B.; Gu, L.	Link
ESL-HH-02-05-15	Assessing the Effects of a Program to Promote Energy-Efficiency Upgrades in Existing Homes	Lee, A.; Larkin, J.; Gobris, M. K.; Boughen, S.; Staples, J.	Link
ESL-HH-02-05-16	Simplified Prescriptive Options in the Texas Residential Building Energy Code Make Compliance Easy	Stone, G. A.; DeVito, E. M.; Nease, N. H.	Link
ESL-HH-02-05-17	ANSI/MSE 2000: A Single Standard for Diverse Business Sectors	Brown, M. L.; Zinga, S.	Link
ESL-HH-02-05-18	Benefits of the International Residential Code's Maximum Solar heat Gain Coefficient Requirement for Windows	Stone, G. A.; DeVito, E. M.; Nease, N. H.	Link
ESL-HH-02-05-19	Field and Laboratory Study of a Ground-Coupled Water Source Heat Pump with an Integral Enthalpy Exchange System for Classrooms	Domitrovic, R.; Hayzen, G. J.; Johnson, W. S.; Chen, F. C.	Link
ESL-HH-02-05-20	Investigation of Cooling and Dehumidification Energy Use and Indoor Thermal Conditions in Polk County Schools Permanent Replacement Classroom Buildings	Moyer, N. A.; Cummings, J. B.; Chasar, D.	Link
ESL-HH-02-05-21	Harvesting the Rain, An Overview of the Rainwater Collection Systems at McKinney ISD	Schreppler, S.; Estes, J. M.; Dupont, D.	Link
ESL-HH-02-05-22	Optimal Airflow Control for Laboratory Air Handling Unit (LAHU) Systems	Cui, Y.; Liu, M.; Conger, K.	Link
ESL-HH-02-05-23	Potential Peak Load Reductions From Residential Energy Efficient Upgrades	Meisegeier, D.; Howes, M.; King, D.; Hall, J.	Link
ESL-HH-02-05-24	Variable Speed Drive Volumetric Tracking (VSDVT) for Airflow Control in Variable Air Volume (VAV) Systems	Liu, M.	Link

ESL-HH-02-05-25	Variable Speed Drive (VSD) Applications in Dual-Duct Constant Volume Systems	Joo, I.; Liu, M.; Conger, K.; Wang, G.	Link
ESL-HH-02-05-26	Restoration of Short Periods of Missing Energy Use and Weather Data Using Cubic Spline and Fourier Series Approaches: Qualitative Analysis	Baltazar, JC.; Claridge, D. E.	Link
ESL-HH-02-05-27	Development and Analysis of a Sustainable Low Energy House in a Hot and Humid Climate, <i>Proceedings of the 13th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Houston, Texas, pp. 219-231	Chulsukon, P.; Haberl, J.; Degelman, L. O.; Sylvester, K. E.	Link
ESL-HH-02-05-28	Design of a Sustainable House for Residents of a Colonia in South Texas, <i>Proceedings of the 13th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Houston, Texas, pp. 232-243	Schoenemann, T.J.; Haberl, J.; Hill, R. C.	Link
ESL-HH-02-05-29	Direct Expansion Air Conditioning System Selection for Hot & Humid Climates	Browning, B. K.	Link
ESL-HH-02-05-30	Corrosion of Aluminum-fin, Copper-tube Heat Exchange Coils	Field, J. E.	Link
ESL-HH-02-05-31	The Impact of Deregulation on Energy Conservation and DSM Measures	Brasovan, M. W.	Link
ESL-HH-02-05-32	The Building America Industrialized Housing Partnership (BAIHP)	Chandra, S.; McCloud, M.; Moyer, N.; Beal, D.; Chasar, D.; McIlvaine, J.; Parker, D.; Sherwin, J.; Martin, E.; Fonorow, K.; Mullens, M.; Lubliner, M.; McSorley, M.	Link
ESL-HH-02-05-33	Electrical Deregulation – Planning for Success in Texas Schools	McClure, J. D.; Schreppler, S.; Bristow, G.	Link
ESL-HH-02-05-34	Energy, Shading and Daylighting Analysis for the Austin Bergstrom International Airport Terminal	Holder, L. M. III; Holder, L. M. IV	Link
ESL-HH-02-05-35	Performance Testing of Window Installation and Flashing Details	Weston, T. A.; Herrin, J.	Link
ESL-HH-02-05-36	The Window Market in Texas: Opportunities for Energy Savings and Demand Reduction	Zarnikau, J.; Campbell, L.	Link
ESL-HH-02-05-37	Measured Cooling Performance of Two-story Homes in Dallas, Texas; Insulated Concrete Form Versus Frame Construction	Chasar, D.; Moyer, N.; Rudd, A. F.; Parker, D.; Chandra, S.	Link
ESL-HH-02-05-38	Three Case Studies: Moisture Control in a Hot, Humid Climate	French, W. R.	Link
ESL-HH-02-05-39	Performance and Impact from Duct Repair and Ventilation Modifications of Two Newly Constructed Manufactured Houses Located in a Hot and Humid Climate	Withers, C.; Moyer, N.; Chasar, D.; Chandra, S.	Link
ESL-HH-02-05-40	Making Steel Framing as Thermally Efficient as Wood	Kosny, J.; Childs, P.	Link
ESL-HH-02-05-41	Impact of Reflective Roofing on Cooling Electrical Use and Peak Demand in a Florida Retail Mall	Parker, D. S.; Sonne, J. K.; Sherwin, J. R.	Link
ESL-HH-02-05-42	Sensitivity of Low Sloped Roofs Designs to Initial Water and Air Leakage	Karagiozis, A.; Desjarlais, A.; Salomvaara, M.	Link
ESL-HH-02-05-43	Influence of Attic Radiant Barrier Systems on Air Conditioning Demand in an Utility Pilot Project	Parker, D. S.; Sherwin, J. R.	Link
ESL-HH-02-05-44	Economizer Applications in Dual-Duct Air-Handling Units	Joo, I.; Liu, M.	Link
ESL-HH-02-05-45	Improving Boiler Efficiency Modeling Based On Ambient Air Temperature	Zhou, J.; Deng, S.; Turner, W. D.; Claridge, D. E.; Haberl, J.	Link
ESL-HH-02-05-46	Correcting Thermal Distribution Problems for a Large University Campus	Chen, H.; Deng, S.; Bruner, H. L.; Claridge, D. E.; Turner, W. D.	Link
ESL-PA-02-06-01	Study of Cubic Splines and Fourier Series as Interpolation Techniques for Filling in Short Periods of Missing Building Energy Use and Weather Data, <i>Proceedings of the International Solar Energy Conference</i> , Reno, NV, June 15-20, 2002.	Baltazar-Cervantes, J. C.; Claridge, D. E.	Link
ESL-PA-02-06-02	Frost/Defrost Performance of a Three-Row Fin Staged Heat Pump Evaporator, <i>ASHRAE Transactions: Research</i> , Vol. 108, Pt. 2, June 2002.	Watters, R. J.; O’Neal, D.L.; Yang, J.	Link
ESL-TR-02-06-01	Texas’ Senate Bill 5 Legislation for Reducing Pollution in Non-Attainment and Affected Areas: Report for the TERP Advisory Board Meeting, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Turner, W. D.	Link
ESL-PA-02-07-01	Energy Savings Assessment for the Robert E. Johnson State Office Building in Austin, Texas, <i>ibpsaNEWS</i> , Vol. 12, No. 2, 2002.	Sylvester, K.; Song, S.; Haberl, J.; Turner, D.	Link
ESL-TR-02-07-01	Texas’ Senate Bill 5 Legislation for Reducing Pollution in Non-Attainment and Affected Areas: Annual Report to the Texas Natural Resource Conservation Commission, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Turner, W. D.	Link
ESL-PA-02-08-01	Texas Senate Bill 5 – Reducing Pollution in Non-Attainment Areas: An Overview of the Legislation, <i>Proceedings of the 2002 ACEEE Summer Study</i> , Vol. 9, pp. 9.43 - 9.54, August 2002.	Culp, C.; Haberl, J.; Yazdani, B.; Fitzpatrick, T.; Bryant, J.; Turner, W. D.	Link
ESL-TH-02-08-01	Development and Analysis of a Sustainable, Low Energy House in a Hot and Humid Climate, <i>Masters Thesis, Department of Architecture, Texas A&M University</i> .	Chulsukon, Pattarayut	Link
ESL-TH-02-08-02	A Rugged Continuous Air Monitor for Sampling Radionuclides, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Martinez, Joseph	Link
ESL-IC-02-10-01	Single-Duct Constant Air Volume System Supply Air Temperature Reset: Using Return Air Temperature or Outside Air Temperature?	Wei, G.; Turner, W. D.; Claridge, D. E.; Liu, M.	Link
ESL-IC-02-10-02	Using Bulls-Eye Commissioning to Save Energy in Commercial Buildings	Price, W.; Hart, R.	Link
ESL-IC-02-10-03	The Temperature and Relative Humidity Control in Cushing Library	Liu, C.; Deng, S.; Turner, W. D.; Claridge, D. E.; Bruner, H.; Jr.	Link
ESL-IC-02-10-04	The System Approach to Thermal Performance – “Control of Condensation and Mold in Buildings”	Nicklas, R.	Link
ESL-IC-02-10-05	Impact of Columns and Beams on the Thermal Resistance of the Building Envelope	Omar, E.	Link
ESL-IC-02-10-06	Practical Knowledge about Data: Acquisition, Metering, Monitoring, and Management	Herrin, D. G.	Link
ESL-IC-02-10-07	The Practical Application of Daylighting Systems as an Effective Energy Conservation Measure with a Reasonable Return on Investment	Othmer, A.	Link
ESL-IC-02-10-08	Multi-Sensor Single-Actuator Control of HVAC Systems	Lin, C.; Auslander, D. M.; Federspiel, C. C.	Link
ESL-IC-02-10-09	The Chilled Water and Hot Water Building Differential Pressure Setpoint Calculation - Chilled Water and Hot Water Pump Speed Control	Liu, C.; Deng, S.; Turner, W. D.; Claridge, D. E.; Bruner, H. L.; Jr.	Link
ESL-IC-02-10-10	Chiller Start/Stop Optimization for a Campus-wide Chilled Water System with a Thermal Storage Tank Under a Four-Period Electricity Rate Schedule	Zhou, J.; Wei, G.; Deng, S.; Turner, W. D.; Claridge, D.; Contreras, O.	Link
ESL-IC-02-10-11	Retrocommissioning Case Study – “Applying Building Selection Criteria for Maximum Results”	Luskay, L.; Haasl, T.; Irvine, L.; Frey, D.	Link

ESL-IC-02-10-12	Computer Simulation of Cooling Effect of Wind Tower on Passively Ventilated Building	Seryak, J.; Kissock, K.	Link
ESL-IC-02-10-13	Building Load Simulation and Validation of an Office Building	Alghimlas, F.	Link
ESL-IC-02-10-14	TQM, ISO 9000, and Commissioning ("Let's Be Practical")	Dunn, W. A.; Berner, W. H.	Link
ESL-IC-02-10-15	Eliminating Humidity and Condensation Problems in University Dormitories - Case Study	Chen, H.; Deng, S.; Huggins, J.; Zhu, Y.; Claridge, D.; Turner, W. D.; Bruner, H.; Jr.	Link
ESL-IC-02-10-16	Rehabilitation of Secondary Heating and Cooling Systems - Case Study	Chen, H.; Deng, S.; Huggins, J.; Brundige, T.; Turner, W. D.; Claridge, D.; Bruner, H.; Jr.	Link
ESL-IC-02-10-17	LoanSTAR After 11 Years: A Report on the Successes and Lessons Learned from the LoanSTAR Program, <i>Proceedings of the 2nd International Conference for Enhanced Building Operation</i> , Richardson, Texas, pp. 131-138	Haberl, J.; Turner, W. D.; Claridge, D. E.; O'Neal, D.; Heffington, W.; Bryant, J.; Verdict, M.; Liu, Z.	Link
ESL-IC-02-10-18	The Revision of the UK Pipe Insulation Standard: - Its Likely Effect on Building Energy Efficiency and the Uptake of Highly Efficient Insulation Materials	Ashford, P.	Link
ESL-IC-02-10-19	Getting a Better Performing Building: Commissioning and Real Time Data Analysis	Della Barba, M. P.	Link
ESL-IC-02-10-20	Automatic Calibration of a Building Energy Simulation Model Using a Global Optimization Program	Lee, S. U.; Claridge, D. E.	Link
ESL-IC-02-10-21	How the Number and Placement of Sensors Controlling Room Air Distribution Systems Affect Energy Use and Comfort	Wang, D.; Arens, E.; Webster, T.; Shi, M.	Link
ESL-IC-02-10-22	Funny Energy Stories	Thomas, D.	Link
ESL-IC-02-10-23	Improving Operational Strategies of an Institutional Building in Kuwait	Al-Ragom, F.	Link
ESL-IC-02-10-24	How Texas Will Meet Its Energy Efficiency Goals	Berny, B. G.	Link
ESL-IC-02-10-25	Strategy for Designing DSM Program after the Restructuring in Korea	Rhee, C.; Lee, K.; Jo, I.	Link
ESL-TR-02-11-01	Detailed Description of Data for Texas' Senate Bill 5 Legislation for Reducing Pollution in Non-Attainment and Affected Areas: Project, <i>Energy Systems Laboratory, Texas A&M University</i> .	Im, P.; Haberl, J.; Ahmad, M.	Link
ESL-TR-02-11-02	Development of a Toolkit for Calculating Linear, Change-point Linear and Multiple-Linear Inverse Building Energy Analysis Models, ASHRAE Research Project 1050-RP, Final Report, <i>University of Dayton, Department of Mechanical and Aerospace Engineering, and Energy Systems Laboratory, Texas A&M University</i> .	Kissock, J. K.; Haberl, J.; Claridge, D. E.	Link
ESL-TH-02-12-01	Automatic Calibration of a Building Energy Performance Model and Remote Fault Detection for Continuous Commissioning Using a Global Optimization Program, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Lee, S. U.	Link
ESL-TR-02-12-02	Baseline Report for the Fort Hood Army Base: Sept. 1, 2001 To Aug. 31, 2002, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Baltazar-Cervantes, J. C.; Sung, Y. H.; Claridge, D. E.; Turner, W. D.	Link
ESL-TR-02-12-03	LoanSTAR after 11 Years: A Report on the Successes and Lessons Learned from the LoanSTAR Program, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Turner, W. D.; Claridge, D. E.; O'Neal, D. L.; Heffington, W. M.; Bryant, J.; Verdict, M.; Liu, Z.; Visitsak, S.	Link
ESL-PA-03-01-01	Demonstration of Multimedia Electronic Information Enhancements for a Handbook Chapter CD-ROM: Overview, <i>ASHRAE Transactions</i> , Vol. 109, Pt. 1, pp. 143 – 150.	Aklemann, E.; Haberl, J.; Parke, F. I.; Skaria, S.; Halstead, J.; Andrews, M.	Link
ESL-PA-03-01-02	Application of Multivariable Adaptive Control to Automotive Air Conditioning Systems, <i>ASME International Mechanical Engineering Congress</i>	Shah, R.; Alleyne, A.; Rasmussen, B.	Link
ESL-PA-03-01-03	Reduced Order Modeling of Transcritical AC System Dynamics Using Singular Perturbation, <i>American Control Conference</i>	Rasmussen, B.; Alleyne, A.; Shah, R.	Link
ESL-TR-03-01-02	Texas LoanSTAR Program Savings Calculation Workbook, <i>Energy Systems Laboratory, Texas A&M University</i> .	Liu, Z.; Baltazar, J.C.; Haberl, J.	Link
ESL-TR-03-01-03	LoanSTAR Database Overview, A LoanSTAR Deliverable Report, Final Report, <i>Energy Systems Laboratory, Texas A&M University</i> .	Sweeney, J.; Jr.	Link
ESL-TR-03-04-01	Detailed Analysis of the Builder Option Packages for Climate Zones 3,4,5, and 6 for Texas' Senate Bill 5 Legislation for Reducing Pollution in Non-Attainment and Affected Areas, <i>Energy Systems Laboratory, Texas A&M University</i> .	Ahmad, M.; Haberl, J.	Link
ESL-TH-03-05-01	Building Design and Operation for Improving Thermal Comfort in Naturally Ventilated Buildings in a Hot-Humid Climate, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University</i> .	Sreshthaputra, A.	Link
ESL-TH-03-05-03	An experimental study on the effects of an upstream gate valve on the accuracy of an insertion type flowmeter, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Worniyoh, E.	Link
ESL-TH-03-05-04	Evaluation of Mixing Downstream of Tees in Duct Systems with Respect to Single Point Representative Air Sampling, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Kim, T.	Link
ESL-IE-03-05-01	Teamwork Plus Technology Equals Reduced Emissions, Reduced Energy Usage and Improved Productivity for an Oil Production Facility	Booker, G.; Robinson, J.	Link
ESL-IE-03-05-02	Industrial Powerhouse Optimization in the Deregulated Electricity Marketplace	Hughes, P. D.; Bailey, W. F.	Link
ESL-IE-03-05-03	Optimizing the Day to Day Operation of Utility Systems	Eastwood, A.; Bealing, C.	Link
ESL-IE-03-05-04	Power Characteristics of Industrial Air Compressors	Schmidt, C.; Kissock, K.	Link
ESL-IE-03-05-05	Compressed Air Energy Savings: SAV-AIR Monitor and Control System and the PNW Compressed Air Challenge	Anderson, K. J.; Annen, B.; Scott, S.	Link
ESL-IE-03-05-06	Flare System Optimization	Aegerter, R.	Link
ESL-IE-03-05-07	Recent VOC Control Test Data for a Reactive VOC Converter - Scrubber System for Non-Thermal Control of VOCs	McGinness, M.	Link
ESL-IE-03-05-08	Comparing Two Types of Magnetically-Coupled Adjustable Speed Drives with Variable Frequency Drives in Pump and Fan Applications	Anderson, K. J.; Chvala, W. D.; Jr.	Link
ESL-IE-03-05-09	Implementation of an Integrated Energy Information System in a Large University Campus	McBride, J. R.; Schuster, L.; Rickey, D.	Link
ESL-IE-03-05-10	The New Energy Management Frontier: The Critical Role of a Systematic Management Approach in Making Technology Improvements Successful	Feldman, J.	Link
ESL-IE-03-05-11	Energy, Cost-Savings and Pollution-Reduction Impacts of Industrial Programs Sponsored by the U.S. Department of Energy	Weakley, S. A.; Friedman, K.	Link
ESL-IE-03-05-12	State Level Analysis of Industrial Energy Use	Elliot, R. N.; Shipley, A. M.; Brown, E.	Link
ESL-IE-03-05-13	A New System of Energy Intensity Indicators for the U.S. Economy Focus on Manufacturing	Roop, J. M.	Link

ESL-IE-03-05-14	Electric Power Interruption Cost Estimates for Individual Industries, Sectors, and the U.S. Economy	Balducci, P. J.; Roop, J. M.; Schienbein, L. A.; DeSteele, J. G.; Weimar, M. R.	Link
ESL-IE-03-05-15	Phantom Power: The Status of Fuel Cell Technology Markets	Shiple, A. M.; Elliott, R. N.	Link
ESL-IE-03-05-16	State Opportunities for Action: Review of States' Combined Heat and Power Activities	Brown, E.; Scott, K.; Elliott, R. N.	Link
ESL-IE-03-05-17	Transmission Matter Now: How Will Power Market Regulations Impact the Industrial's Power Supply Costs and Reliability?	James, F.; Beidas, H.; Fox, R.	Link
ESL-IE-03-05-18	Cash Flow Impacts of Industrial Steam Efficiency	Russell, C.	Link
ESL-IE-03-05-19	SteamMaster: Steam System Analysis Software	Wheeler, G.	Link
ESL-IE-03-05-20	The Steam System Assessment Tool (SSAT): Estimating Steam System Energy, Cost and Emission Savings	Wright, A.; Bealing, C.; Eastwood, A.; Tainsh, R.; Hahn, G.; Harrell, G.	Link
ESL-IE-03-05-21	A Case Study of Steam System Evaluation in a Petroleum Refinery	Iordanova, N.; Venkatesan, V. V.	Link
ESL-IE-03-05-22	Strategies in Optimizing Condensate Return	Bloom, D.	Link
ESL-IE-03-05-23	Motorola's Exhaust Optimization Program: Tracer Gas Application for Gas Panel Enclosures	Myart, H. R.; Jr.; Camacho, R.	Link
ESL-IE-03-05-24	Energy Efficiency Improvements and Cost Saving Opportunities in the Corn Wet Milling Industry	Galitsky, C.; Worrell, E.	Link
ESL-IE-03-05-25	Using Neural Networks	Gabel, S. D.	Link
ESL-IE-03-05-26	Advances in Energy Efficiency, Capital Cost, and Installation Schedules for Large Capacity Cooling Applications Using a Packaged Chiller Plant Approach	Pierson, T. L.; Andrepont, J. S.	Link
ESL-IE-03-05-27	Outsourced Energy Management - A Trustee Approach	Ciarlone, D. F.; O'Connor, T. W.	Link
ESL-IE-03-05-28	Labs21: Improving the Environmental Performance of U.S. Laboratories	Mathew, P.	Link
ESL-IE-03-05-29	Compressed Air 101: Getting Compressed Air to Work	Burke, J. J.; Bessey, E. G.	Link
ESL-IE-03-05-30	Using Compressed Air Efficiency Projects to Reduce Peak Industrial Electric Demands: Lessons Learned	Skelton, P.	Link
ESL-IE-03-05-31	Energy Conservation Opportunities in Hydrocarbon Resin Manufacturing Facilities	Ganji, A. R.; Hackett, B.; Chow, S.	Link
ESL-IE-03-05-32	Saving Opportunities in the Restructured Texas Electric Market	Smolen, P.; Fox, M.	Link
ESL-IE-03-05-33	Build, Own, Operate and Maintain (BOOM) Boiler Systems	Henry, T.	Link
ESL-PA-03-07-01	Benefits of Multi-day Industrial Center Assessments for Large Energy-Intensive Facilities, <i>Proceedings of the American Council for an Energy Efficient Economy Summer Study</i> , Tarrytown, New York, Vol. 2, pp. 339-350, July 2003.	Heffington, W. M.; Eggebrecht, J. A.	Link
ESL-PA-03-07-02	Inverse Model Toolkit: Application and Testing, <i>ASHRAE Transactions</i> , Vol. 109, Pt. 2.	Haberl, J.; Sreshthaputra, A.; Claridge, D. E.; Kissock, J. K.	Link
ESL-PA-03-07-03	Inverse Modeling Toolkit: Numerical Algorithms for Best-Fit Variable-Base Degree Day and Change Point Models, <i>ASHRAE Transactions</i> , Vol. 109, Pt. 2.	Kissock, J. K.; Haberl, J.; Claridge, D. E.	Link
ESL-TR-03-07-01	Procedure to Calculate NOx Reductions Using the Emissions & Generation Resource Integrated Database (E-Grid) Spreadsheet, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S.; Im, P.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Verdict, M.; Turner, W. D.	Link
ESL-TH-03-08-01	An Analysis of Energy Reductions from the Use of Daylighting in Low-Cost Housing, <i>Masters Thesis, Department of Architecture, Texas A&M University</i> .	Rungchareonrat, N.	Link
ESL-TH-03-08-02	Systematic Time-Based Study for Quantifying the Uncertainty of Uncalibrated Models in Building Energy Simulations, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Ahmad, M.	Link
ESL-TH-03-08-03	A Study of the Heat Pump Fin Staged Evaporators Under Frosting Conditions, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Yang, J.	Link
ESL-PA-03-09-01	Calculation of NOx Emissions Reduction from Implementation of the 2000 IECC/IRC Conservation Code in Texas	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Bryant, J.; Verdict, M.; Turner, D.; Im, P.	Link
ESL-TR-03-09-01	Review of Methods for Measuring and Verifying Savings from Energy Conservation Retrofits to Existing Buildings, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C. H.	Link
ESL-TR-03-09-02	Detailed Analysis of Thermal Mass Effects in a Code-traceable DOE-2 Simulation of the 2000 IECC for a Single-Family Residence in Texas: A Project for Texas' Senate Bill 5 Legislation for Reducing Pollution in Nonattainment and Affected Areas, Revised July 2007, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Kim, S.	Link
ESL-IC-03-10-01	How Much Can a Campus Save on Utility Bills by Turning a 5-Workday Week Into a 4-Workday Week	Zhou, J.; Giebler, T.; Wei, G.; Turner, D.	Link
ESL-IC-03-10-02	Prison Industries Metering at the Texas Department of Criminal Justice: Two Years of Operational Experience	Bryant, J. A.; McBride, J. R.; Merka, T.	Link
ESL-IC-03-10-03	Case Studies of Energy Information Systems and Related Technology: Operational Practices, Costs, and Benefits	Motegi, N.; Piette, M. A.; Kinney, S.; Dewey, J.	Link
ESL-IC-03-10-04	Development of an Enterprise-wide Energy Information and Utility Monitoring System in a Major Hotel Chain: The Hyatt Hotels Corporation Experience	Burke, B.; McBride, J.; Kemble, K.	Link
ESL-IC-03-10-05	Deregulation Provides Incentive to Conserve – New Meters at LCRA Offer a Closer Look at Facility Costs	Roberts, M. P.; Knutsen, T.	Link
ESL-IC-03-10-06	Implementation of the Laboratory Air Handling Unit Systems (LAHU)	Cui, Y.; Liu, M.; Conger, K.	Link
ESL-IC-03-10-07	Application of Innovative Technologies During Continuous Commissioning	Joo, I. S.; Liu, M.; Wang, J.; Hansen, K.	Link
ESL-IC-03-10-08	Achieving Better Building Performance and Savings Using Optimal Control Strategies	Chen, H.; Deng, S.; Bruner, H.	Link
ESL-IC-03-10-09	A BEMS-Assisted Commissioning Tool to Improve the Energy Performance of HVAC Systems	Choiniere, D.; Corsi, M.	Link
ESL-IC-03-10-10	Assessment of Load and Energy Reduction Techniques (ALERT) Retrocommissioning Case Study of Two National Renewable Energy Laboratory (NREL) Sites	Luskay, L.; Haasl, T.; Schwab, J.; Beattie, D.	Link
ESL-IC-03-10-11	Optimizing HVAC Control to Improve Building Comfort and Energy Performance	Song, L.; Joo, I.; Dong, D.; Liu, M.; Wang, J.; Hansen, K.; Quiroz, L.; Swiatek, A.	Link
ESL-IC-03-10-12	Control System Commissioning for Enhanced Building Operations	Salsbury, T. I.; Singhal, A.	Link
ESL-IC-03-10-13	Improving Building Control and System Operation Through the Continuous Commissioning* Process: A Case Study	Redmann, N.; Liu, M.	Link
ESL-IC-03-10-14	Continuous Commissioning* of the Matheson Courthouse in Salt Lake City, Utah	Turner, W. D.; Deng, S.; Hood, J.; Butler, M.; Healy, R. K.	Link

ESL-IC-03-10-15	Re-Commissioning of the CAMET HVAC System: A Successful Case Study?	Andre, P.; Cuevas, C.; Lacote, P.; Lebrun, J.	Link
ESL-IC-03-10-16	Enhancing Building Operations Through Automated Diagnostics: Field Test Results	Katipamula, S.; Brambley, M. R.; Bauman, N. N.; Pratt, R. G.	Link
ESL-IC-03-10-17	Opportunities to Save Energy and Improve Comfort by Using Wireless Sensor Networks in Buildings	Wang, D.; Arens, E.; Federspiel, C.	Link
ESL-IC-03-10-18	Approach for the Improvement of Energy Performance of a Stock of Buildings	Vaezi-Nejad, H.; Bouillon, J.; Crozier, L.; Guyot, G.	Link
ESL-IC-03-10-19	A Demand-Side-Management Experience in Existing Building Commissioning	Franconi, E.; Selch, M.; Bradford, J.; Gruen, B.	Link
ESL-IC-03-10-20	Commissioning Existing Buildings: A Program Perspective	Jump, D.; Rosillo, A.; Tahir, A.	Link
ESL-IC-03-10-21	Calculation of NOx Emissions Reduction from Implementation of the 2000 IECC/IRC Conservation Code in Texas	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Bryant, J.; Verdict, M.; Turner, D.; Im, P.	Link
ESL-IC-03-10-22	Overview of Pier-Funded Existing Building Commissioning and Diagnostics Research	Jenkins, N.; Brook, M.	Link
ESL-IC-03-10-23	Building Performance Services: Guidelines and Program Test Progress Report	Anderson, K. J.; Tuffo, M.; Schick, S.	Link
ESL-IC-03-10-24	Improved Building Energy Consumption with the Help of Modern ICT	Pietilainen, J.	Link
ESL-IC-03-10-25	Improving Control of Dual-Duct Single-Fan Variable Air Volume Systems	Wei, G.; Martinez, J.; Minihan, T.; Brundidge, T.; Claridge, D. E.; Turner, W. D.	Link
ESL-IC-03-10-26	Longevity of Duct Tape in Residential Air Distribution Systems: 1-D, 2-D, and 3-D Joints	Abushakra, B.	Link
ESL-IC-03-10-27	Room Temperature Control During Season Switchover with Single Duct Variable Air Volume System Without Reheat	Liu, C.; Deng, S.; Claridge, D. E.; Turner, W. D.; Bruner, H. L.	Link
ESL-IC-03-10-28	Development of By-Pass Blending Station System	Liu, M.; Barnes, D.; Bunz, K.; Rosenberry, N.	Link
ESL-IC-03-10-29	Development of In-Situ Fan Curve Measurement with One Airflow Measurement	Liu, G.; Joo, I.; Song, L.; Liu, M.	Link
ESL-IC-03-10-30	Integrated Chiller System Reduce Building Operation and Maintenance Costs in Cold Climates	Sheets, N.; Liu, M.	Link
ESL-IC-03-10-31	Hybrid Model for Building Performance Diagnosis and Optimal Control	Wang, S.; Xu, X.	Link
ESL-IC-03-10-32	Cost Effective Measurement and Verification at Fairchild AFB	Culp, C.; Hart, Q.; Turner, B.; Berry-Lewis, S.	Link
ESL-IC-03-10-33	Using Product Specific Simulation Models in a Tool for Manual Commissioning of Air Handling Units	Eriksson, J.	Link
ESL-IC-03-10-34	Information Technology for Energy and Maintenance Management	Villafana, L.; Federspiel, C.	Link
ESL-IC-03-10-35	Design and Optimization of Control Strategies and Parameters by Building and System Simulation	Baumann, O.	Link
ESL-PA-03-12-01	A Low Cost Embedded System for Internet Based Power Measurement, <i>International Journal of Information Technology and Decision Making</i> , Vol. 2, No. 4, pp 669-682.	Yeary, M.; Sweeney, J.; Swan, B.; Culp, C. H	Link
ESL-TH-03-12-02	Thermodynamic Modeling and Optimization of a Screw Compressor Chiller and Cooling Tower System, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Graves, R.	Link
ESL-TH-03-12-03	Natural Convection and Radiation Heat Transfer in Small Enclosures with a Non-Attached Obstruction, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Lloyd, J.	Link
ESL-TH-03-12-05	A Methodology to Evaluate Energy Savings and NOx Emissions Reductions from the Adoption of the 2000 International Energy Conservation Code (IECC) to New Residences in Non-Attainment and Affected Counties in Texas, <i>Masters Thesis, Department of Architecture, Texas A&M University.</i>	Im, P.	Link
ESL-TH-03-12-07	Use of Auto-Associative Neural Networks for Sensor Diagnostics, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Najafi, M.	Link
ESL-TR-03-12-01	U. S. Army Measurement and Verification (M&V) Costing Toolkit, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Powell, T.; Carlson, K.; Im, P.; Turner, W. D.	Link
ESL-TR-03-12-02	Baseline Report for the Fort Hood Army Base: Sept. 1, 2002 – Aug. 31, 2003, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Baltazar-Cervantes, J. C.; Liu, Z.; Claridge, D. E.; Turner, W. D.	Link
ESL-TR-03-12-03	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume I – Summary Report, Annual Report to the Texas Commission on Environmental Quality September 2002 – August 2003, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Bryant, J.; Turner, W. D.	Link
ESL-TR-03-12-04	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume II – Technical Report, Annual Report to the Texas Commission on Environmental Quality September 2002 – August 2003, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Bryant, J.; Turner, W. D.	Link
ESL-TR-03-12-06	Test for Modeling Windows in DOE 2.1E for Comparing the Window Library with the Shading Coefficient Method for a Single-Family Residence in Texas: Project for Texas' Senate Bill 5 Legislation for Reducing Pollution in Nonattainment and Affected Areas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Kim, S.	Link
ESL-PA-04-01-01	Overview of Existing Literature On Diversity Factors and Schedules for Energy and Cooling Load Calculations, <i>ASHRAE Transactions</i> , Vol. 110, Pt. 1, January 2004.	Abushakra, B.; Haberl, J.; Claridge, D. E.	Link
ESL-PA-04-01-02	A Mass Flow Rate Correlation for Refrigerants and Refrigerant Mixtures Flowing Through Short Tubes, <i>International Journal of HVAC&R Research</i> , Vol. 10, No. 1, pp. 73-87, Jan. 2004.	Payne, V.; O'Neal, D. L.	Link
ESL-PA-04-01-03	A Comparative Study of Shell-side Condensation on Integral-fin Tubes with R-114 and R-236ea, <i>ASHRAE Transactions</i> , Jan 2004, Vol 110 (1), pp 40-52.	Heusch, W.; Pate, M. B.	Link
ESL-PA-04-01-04	Iterative Modeling and Identification of a CO2 Air Conditioning System, <i>ASME International Mechanical Engineering Congress</i>	Alleyne, A.; Musser, A.; Rasmussen, B.	Link
ESL-PA-04-01-05	Evaluation of Control Strategies for Compressor Rapid Cycling, <i>Society of Automotive Engineers 2004 World Congress</i>	Rasmussen, B.; Uribe, T.; Alleyne, A.; Bullard, C.	Link
ESL-PA-04-02-01	Electricity Diversity Profiles for Energy Simulation of Office Buildings, <i>ASHRAE Transactions</i> , Vol. 110, Pt. 1, pp. 365 – 377.	Claridge, D. E.; Abushakra, B.; Haberl, J.; Sreshthaputra, A.	Link
ESL-PA-04-03-01	Analysis of Refrigerant Flow and Deformation for a Flexible Short-Tube using a Finite Element Model, <i>International Journal of Refrigeration</i> , Vol. 27, No. 2, pp. 176-183, March 2004.	Bassiouny, R.; O'Neal, D. L.	Link
ESL-IE-04-04-01	Novel Approach to Improve Deaerator Operations	Tung, P.	Link
ESL-IE-04-04-02	Re-Condensation	Bhatia, P.; Kozman, T.	Link

ESL-IE-04-04-03	Identifying Steam Opportunity "Impact" Inputs for the Steam System Assessment Tool (SSAT)	Harrell, G.; Jendrucko, R.; Wright, A.	Link
ESL-IE-04-04-04	Steam System Optimization	Aegerter, R.	Link
ESL-IE-04-04-05	Real-Time Utility System Optimization	Fernandez-Polanco, D.; Eastwood, A.; Knight, N.	Link
ESL-IE-04-04-06	Advanced Powerhouse Controls Save Pulp Mill \$500 in Purchased Energy in First Month	Morrison, R.; Hilder, S.	Link
ESL-IE-04-04-07	Rule Based Energy Management and Reporting System (EMRS) Applied to a Large Utility Power Station Complex	Bamber, D.; Childress, R.; Robinson, J.	Link
ESL-IE-04-04-08	Conserving Energy in Blast Freezers Using Variable Frequency Drives	Kolbe, E.; Ling, Q.; Wheeler, G.	Link
ESL-IE-04-04-09	New Technology Successes for Paper Drying	Aue, J.; Pierce, S.; Grabner, K.	Link
ESL-IE-04-04-10	U.S. Department of Energy (DOE) Industrial Programs and Their Impacts	Weakley, S. A.; Roop, J. M.	Link
ESL-IE-04-04-11	Divided Wall Column Without the Wall	Tung, P.	Link
ESL-IE-04-04-12	Pollution Reduction System that Generates Profits (Cascading Closed Loop Cycle - CCLC)	Stinger, D. H.; Mian, F.	Link
ESL-IE-04-04-13	Analyze Constraint Behavior to Discover Hidden Value in your Process	Morrison, R.; Moore, D.	Link
ESL-IE-04-04-14	Case Study: Sustained Utility Cost Reduction in a Large Manufacturing Facility	Fiorino, D.	Link
ESL-IE-04-04-15	Overcoming Fuel Gas Containment Limitations to Energy Improvement	Davis, J.	Link
ESL-IE-04-04-16	Process Optimization Assessments at Fort Leonard Wood, Missouri and Fort Carson, Colorado	Lin, M.; Vavrin, J.; Smith, W.	Link
ESL-IE-04-04-17	Optimization of Hot Standby	de Souza, J.; Holden, D.	Link
ESL-IE-04-04-18	Compressed Air Systems Audits - Why? And How?	Kemp, H. L.	Link
ESL-IE-04-04-19	Padding with Compressed Air	Beals, C.	Link
ESL-IE-04-04-20	Compressed Air Supply Efficiency	Joseph, B.	Link
ESL-IE-04-04-21	Estimating Energy Savings in Compressed Air Systems	Schmidt, C.; Kissock, K.	Link
ESL-IE-04-04-22	Want Some Money Back from your Compressed Air System? Check Out These Top 10 Areas to Look	Van Ormer, H.	Link
ESL-IE-04-04-23	Understanding Manufacturing Energy Use Through Statistical Analysis	Kissock, K.; Seryak, J.	Link
ESL-IE-04-04-24	Strategic Industrial Energy Efficiency: Reduce Expenses, Build Revenues, and Control Risk	Russell, C.	Link
ESL-IE-04-04-25	Industrial Fuel Switching - Emerging NGL Opportunities	Cascone, R.	Link
ESL-IE-04-04-26	Fan Aerodynamic Performance Guarantees: Do Your Policies, Procedures and Penalties Provide Adequate Certainty?	Kaufman, S. G.; Martin, V.; Falk, M. A.	Link
ESL-IE-04-04-27	Six Sigma in Enterprise Energy Management	Fuller, K.	Link
ESL-IE-04-04-28	Reduced Nitrogen and Natural Gas Consumption at Deepwell Flare	Williams, C.	Link
ESL-IE-04-04-29	Extraction Steam Controls at EPLA-W	Brinker, J. L.	Link
ESL-IE-04-04-30	Reduction in Unit Steam Production	Gombos, R.	Link
ESL-IE-04-04-31	Marginal Cost of Steam and Power from Cogeneration Systems Using a Rational Valu-Allocation Procedure	Kumana, J. D.; Al-Gwaiz, M. M.	Link
ESL-IE-04-04-32	State Opportunities for Action: Review of States' Combined Heat and Power Activities	Brown, E.; Elliott, N.	Link
ESL-IE-04-04-33	DTT Energy Reduction Project	Heinrich, C.	Link
ESL-IE-04-04-34	Morris Plant Energy Efficiency Program	Betczynski, M. T.	Link
ESL-IE-04-04-35	Energy & Environmental Benefits from Steam & Electricity Cogeneration	Ratheal, R.	Link
ESL-TH-04-05-01	An Analysis of Low-Cost, Energy-Efficient Housing for Low-Income Residents of Hot and Humid Climates, Volumes I and II, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University.</i>	Kootin-Sanwu, V.	Link
ESL-TH-04-05-02	Extending and formalizing the energy signature method for calibrating simulations and illustrating with application for three California climates, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Bensouda, N.	Link
ESL-TH-04-05-03	Simulation of Thermal Plant Optimization and Hydraulic Aspects of Thermal Distribution Loops for Large Campuses, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Chen, Q.	Link
ESL-TH-04-05-05	Development and Implementation of an Artificially Intelligent Search Algorithm for Sensor Fault Detection Using Neural Networks, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Singh, H.	Link
ESL-TR-04-05-01	Reduction of NOx Emissions in Alamo Area Council of Government Projects, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Zhu, Y.; Im, P.	Link
ESL-HH-04-05-01	Conservation of Mass: An Old Principle That Needs More Usage in Hot & Humid Climates	Browning, B. K.; McKinney, G.	Link
ESL-HH-04-05-02	Evaluation on Energy Performance of Heating Plant System Installed Energy Saving Technologies	Song, Y.; Akashi, Y.; Kuwahara, Y.; Baba, Y.; Iribe, M.	Link
ESL-HH-04-05-03	Innovative Systems for Solar Air Conditioning of Buildings	Kessling, W.; Peltzer, M.	Link
ESL-HH-04-05-04	Remote Fault Detection of Building HVAC System Using a Global Optimization Program	Lee, S. U.; Claridge, D. E.	Link
ESL-HH-04-05-05	Designing for Humidity Control in the Operating Rooms: Desiccant Dehumidification Case Study for HEALTHSOUTH Medical Center	Nunnally, R. M.	Link
ESL-HH-04-05-06	Evaluating Indoor Air Quality (IAQ) as Modifying Factor in Designing Public School Buildings in Jordan	Ali, H. H.; Al-Momani, H.	Link
ESL-HH-04-05-07	Roots of Mold Problems and Humidity Control Measures in Institutional Buildings with Pre-Existing Mold Condition	Chen, H.; Deng, S.; Bruner, H.; Garcia, J.	Link
ESL-HH-04-05-08	Museum Archive Dehumidification in Hot and Humid Climates	Browning, B. K.	Link
ESL-HH-04-05-09	The Texas Solar D House	Garrison, M.	Link
ESL-HH-04-05-10	Achieving Airtight Ducts in Manufactured Housing	McIlvaine, J.; Beal, D.; Moyer, N.; Chasar, D.; Chandra, S.	Link
ESL-HH-04-05-11	Optimizing Manufactured Housing Energy Use	McGinley, W. M.; Jones, A.; Turner, C.; Chandra, S.; Beal, D.; Parker, D. S.; Moyer, N.; McIlvaine, J.	Link
ESL-HH-04-05-12	Comparative Summer Thermal Performance of Finished and Unfinished Metal Roofing Products with Composition Shingles	Parker, D. S.; Sherwin, J.; Sonne, J.	Link
ESL-HH-04-05-13	Methodology to Calculate NOx Emissions Reductions from the Implementation of the 2000 IECC/IRC Conservation Code in Texas, <i>Proceedings of the 14th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Richardson, Texas pp. 113-125	Haberl, J.; Im, P.; Culp, C.	Link
ESL-HH-04-05-14	Texas Senate Bill 5 Legislation for Reducing Pollution in Non-Attainment and Affected Areas: An Overview of Legislative Responsibilities, Code Compliance Issues and Accomplishments, , <i>Proceedings of the 14th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Richardson, Texas, pp. 127-137	Culp, C.; Haberl, J.; Yazdani, B.; Fitzpatrick, T.; Bryant, J. A.; Turner, W. D.	Link
ESL-HH-04-05-15	NOx Emissions Reductions from Implementation of the 2000 IECC/IRC Conservation Code to Residential Construction in Texas, <i>Proceedings of the 14th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Richardson, Texas pp. 139-150	Haberl, J.; Im, P.; Culp, C.; Yazdani, B.; Fitzpatrick, T.	Link

ESL-HH-04-05-16	Helpful Hints for Operating Schools	McClure, J. D.; Schreppler, S.; Cliver, R. E.	Link
ESL-HH-04-05-17	Make the Most of Your Purchasing Power	Bristow, G.; Clendenin, M.; McClure, J. D.	Link
ESL-HH-04-05-18	Cleanroom Energy Optimization Methods	Naughton, P.; Schrecengost, R.	Link
ESL-HH-04-05-19	Energy Master Plans for Sustainable, High Performance HVAC and Associated Systems for Hot and Humid Climates	Maisey, G. E.; Milestone, B.	Link
ESL-HH-04-05-20	The Identification and Optimization of the HVAC Partial Subsystems in Intelligent Buildings	Zhao, Z.; Xiong, Y.	Link
ESL-HH-04-05-21	Using Simulation Models for District Chilled Water Distribution Systems Design	Chen, Q.; Xu, C.; Deng, S.; Claridge, D. E.; Turner, W. D.	Link
ESL-HH-04-05-22	Comparative Study Between Air-Cooled and Water-Cooled Condensers of the Air-Conditioning Systems	Maheshwari, G. P.; Mulla Ali, A. A.	Link
ESL-HH-04-05-23	Phase-Change Frame Walls (PCFWs) for On-Peak Demand Reduction and Energy Conservation in Residential Buildings: Development, Construction and Evaluation	Zhang, M.; Medina, M. A.; King, J. B.	Link
ESL-HH-04-05-24	Impact of Thermally Insulated Floors	Alghimlas F.; Omar, E. A.	Link
ESL-HH-04-05-25	Wall Drying in Hot and Humid Climates	Boone, K.; Weston, T.; Pascual, X.	Link
ESL-HH-04-05-26	Waterless Urinals: Features, Benefits and Applications	Bristow, G.; McClure, J. D.; Fisher, D.	Link
ESL-HH-04-05-27	Daylighting Prediction Software: Comparative Analysis and Application	Estes, J. M. Jr.; Schreppler, S.; Newsom, T.	Link
ESL-HH-04-05-28	Innovative Design Concept for the New Bangkok International Airport, NBIA	Kessling, W.; Holst, S.; Schuler, M.	Link
ESL-HH-04-05-29	Improving Building Comfort and Energy Savings of the McKenzie Airport Terminal by Maintaining and Improving Pneumatic Control Systems	Liu, C.; Bruner, H. L.; Deng, S.; Brundidge, T.; Turner, W. D.; Claridge, D. E.	Link
ESL-HH-04-05-30	Development of a Measurement and Verification (M&V) Costing Toolkit, , <i>Proceedings of the 14th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Richardson, Texas, pp. 285-301	Haberl, J.; Lewis, T.; Im, P.; Carlson, K. A.; Underwood, D.	Link
ESL-HH-04-05-31	Development of a Monitoring and Verification (M&V) Plan and Baseline for the Fort Hood ESPC Project, <i>Proceedings of the 14th Symposium on Improving Building Systems in Hot and Humid Climate s</i> , Richardson, Texas, pp. 303-311	Haberl, J.; Liu, Z.; Baltazar-Cervantes, J. C.; Lynn, B.; Underwood, D.	Link
ESL-HH-04-05-32	Control of Stand-Alone Photovoltaic System Using Fuzzy-Logic Controller	Mellit, A.; Benhanme, M.; Arab, A. H.; Guessoum, A.	Link
ESL-HH-04-05-33	Novel Technique of Sizing the Stand-Alone Photovoltaic Systems Using the Radial Basis Function Neural Networks: Application in Isolated Sites	Mellit, A.; Benhanme, M.; Arab, A. H.; Guessoum, A.	Link
ESL-HH-04-05-34	Homeland Security Issues for Facilities	McClure, J. D.; Fisher, D.; Fenter, T.	Link
ESL-HH-04-05-35	Getting Serious About Safety and Loss Prevention Emergency Power and Standby Generators	Fisher, D.; Fenter, T.; McClure, J. D.	Link
ESL-PA-04-06-01	Improving Building Design and Operation of a Thai Buddhist Temple, <i>Energy and Buildings</i> , Vol. 36(6), pp. 481-494.	Sreshthaputra, A.; Haberl, J.; Andrews, M. J.	Link
ESL-PA-04-07-01	Is Commissioning Once Enough?, <i>Energy Engineering</i> , Vol. 101, No. 4, pp. 7-19.	Claridge, D. E.; Turner, W. D.; Liu, M.; Deng, S.; Wei, G.; Culp, C. H.; Chen, H.; Cho, S. Y.	Link
ESL-TR-04-07-01	Overview of Solar Energy Research: 1990 to Present, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Turner, W. D.	Link
ESL-PA-04-08-01	Comprehensive Community Nox Emission Reduction Methodology: Overview and Results from the Application to a Case Study Community, <i>Proceedings of the SimBuild 2004, IBPSA-USA National Conference</i> , Boulder, CO, August 4-6, 2004, pp. 1-11.	Sung, Y. H.; Haberl, J.	Link
ESL-PA-04-08-02	The Development of Improved Energy Efficient Housing for Thailand Utilizing Renewable Energy Technology, <i>Proceedings of the SimBuild 2004, IBPSA-USA National Conference</i> , Boulder, CO, August 4-6, 2004, pp. 1-10.	Rasisuttha, S.; Haberl, J.	Link
ESL-PA-04-08-03	An Analysis of Design Strategies for Climate-Controlled Residences in Selected Climates, <i>Proceedings of the SimBuild 2004, IBPSA-USA National Conference</i> , Boulder, CO, August 4-6, 2004, pp. 1-11.	Visitsak, S.; Haberl, J.	Link
ESL-TH-04-08-02	Evaluation of Mixing in Three Duct Configurations and Development of a Generic Tee Plenum System (GTPS) for Application to Single Point Aerosol Sampling, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Han, T.	Link
ESL-TH-04-08-04	Development of a Comprehensive Community NOx Emission Reduction Toolkit (CCNERT) <i>Doctoral Dissertation, Department of Architecture, Texas A&M University</i> .	Sung, Y. H.	Link
ESL-TR-04-08-02	Nox Emissions Reduction from Voluntary Energy Efficiency Projects within the Alamo Area Council of Governments to the Texas Commission on Environmental Quality, August 2003, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Verdict, M.; Yazdani, B.; Zhu, Y.; Im, P.	Link
ESL-TR-04-08-04	Literature Review of Uncertainty of Analysis Methods (F-Chart Program), Report to the Texas Commission on Environmental Quality, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Cho, S.	Link
ESL-PA-04-10-01	Calculation of Nox Emissions Reductions from Energy Efficient Residential Building Construction in Texas	Haberl, J.; Culp, C.; Gilman, D.; Baltazar-Cervantes, J. C.; Yazdani, B.; Fitzpatrick, T.; Munns, S.; Verdict, M.	Link
ESL-TR-04-10-01	Point-to-Point Verification of Monitored Sensors at Reynolds Army Clinic and Hospital: Final Report, <i>Energy Systems Laboratory, Texas A&M University</i> .	Martinez, J.; Linenschmidt, S.; Turner, D.	Link
ESL-TR-04-10-02	Literature Review of Uncertainty of Analysis Methods (PV F-Chart Program), Report to the Texas Commission on Environmental Quality, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Cho, S.	Link
ESL-TR-04-10-03	Literature Review of Uncertainty of Analysis Methods (Inverse Model Toolkit), Report to the Texas Commission on Environmental Quality, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Cho, S.	Link
ESL-TR-04-10-04	Literature Review of Uncertainty of Analysis Methods (Cool Roofs), Report to the Texas Commission on Environmental Quality, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Cho, S.	Link
ESL-IC-04-10-01	Commissioning of Building HVAC Systems for Improved Energy Performance. A Summary of Annex 40 Results	Visier, J. C.	Link

ESL-IC-04-10-02	Energy Efficiency in Buildings in Switzerland	Chuard, J.	Link
ESL-IC-04-10-03	Japanese Vision of Commissioning Process and Asian View	Nakahara, N.	Link
ESL-IC-04-10-04	Comparison Between the Continuous Commissioning SM Process and Methods Used for Energy Efficiency in Norway - Results from a Case Study	Novakovic, V.; Stang, J.; Skjervén, E.; Holst, J. N.	Link
ESL-IC-04-10-05	Embedded Commissioning for Building Design	Akin, O.; Turkaslan-Bulbul, M. T.; Gursel, I.; Garrett, J. H.; Jr; Akinci, B.; Wang, H.	Link
ESL-IC-04-10-06	Unique Energy Management Training Offers Certification and Energy Savings	Ebbage, R.	Link
ESL-IC-04-10-07	Reliability and Functional Availability of HVAC Systems	Myrefelt, S.	Link
ESL-IC-04-10-08	Implementation of Partial Initial Commissioning During the Elaboration and Construction Phase	Hoel, T. I.; Novakovic, V.; Skjulsvik, B.	Link
ESL-IC-04-10-09	Building As Power Plant - BAPP/Invention Works Project at Carnegie Mellon University, Pittsburgh PA, USA	Hartkopf, V.; Archer, D.; Loftness, V.	Link
ESL-IC-04-10-10	Health Monitoring and Continuous Commissioning of Centrifugal Chiller Systems	Cui, J.; Wang, S.	Link
ESL-IC-04-10-11	An Analysis Method for Operations of Hot Water Heaters by Artificial Neural Networks	Yamaha, M.; Takahashi, M.	Link
ESL-IC-04-10-12	Model-Based Functional Performance Testing of AHU in Kista Entre	Carling, P.; Isakson, P.	Link
ESL-IC-04-10-13	Practical Experiences from the Use of a Method for Active Functional Tests and Optimization of Coil Energy Recovery Loop Systems in AHUs.	Eriksson, J.	Link
ESL-IC-04-10-14	Vision of a Multi Properties Owner	Bouilleaud, D.	Link
ESL-IC-04-10-15	Le processus de commissionnement vu par le maître d'ouvrage	Moro, M.	Link
ESL-IC-04-10-16	Commissioning through "EDF Tower" Construction	Rouillot, M.	Link
ESL-IC-04-10-17	Les Bons Ingrédients pour un Haut Niveau de Performance des Installations Climatiques	Rougnon, P. J.	Link
ESL-IC-04-10-18	Four Years of On-Going Commissioning in CTEC-Varennes Building with a BEMS Assisted CX Tool	Choiniere, D.	Link
ESL-IC-04-10-19	The Business and Technical Case for Continuous Commissioning for Enhanced Building Operations - A Case Study: Alamo Community College District, San Antonio, Texas, USA	Verdict, M.; Wei, G.; Martinez, J. T.; Claridge, D. E.; Baltazar-Cervantes, J. C.; Turner, W. D.	Link
ESL-IC-04-10-20	Continuous Commissioning of Salt Lake Community College South City Campus	Deng, S.; Turner, D.; Hood, J.	Link
ESL-IC-04-10-21	BEMS-Assisted Seasonal Functional Performance Testing in the Initial Commissioning of Kista Entre and Katsan	Isakson, P.; Wetterstrom, P.; Carling, P.	Link
ESL-IC-04-10-22	Model-Based Commissioning for Filters in Room Air Conditioners	Wang, F.; Yoshida, H.; Kitagawa, H.; Matsumoto, K.; Goto, K.	Link
ESL-IC-04-10-23	Model-Based Commissioning Methodology for Simple Duct System	Odajima, T.; Takashi, M.; Juckel-Murakami, B.	Link
ESL-IC-04-10-24	Model-Assisted Commissioning of a Chilling Plant	Georges, B.; Lebrun, J.	Link
ESL-IC-04-10-25	The IEA/ECBCS/Annex 40 Glossary on Commissioning	Akashi, Y.; Castro, N.; Novakovic, V.; Viaud, B.; Jandon, M.	Link
ESL-IC-04-10-26	Tools to Manage the Commissioning Process Demonstration	Jandon, M.	Link
ESL-IC-04-10-27	Model Quality Control Matrix Tools for Defining Commissioning Process	Nakahara, N.; Onojima, H.; Kamitani, K.	Link
ESL-IC-04-10-28	Web-Based Services for Building Energy Management - WEBE	Paiho, S.; Pietiläinen, J.; Ala-Juusela, M.	Link
ESL-IC-04-10-29	Web-Based Method to Generate Specific Energy Consumption Data for the Evaluation and Optimization of Building Operation	Wagner, A.; Wambsgan, M.; Froehlich, S.	Link
ESL-IC-04-10-30	Calculation of Nox Emissions Reductions from Energy Efficient Residential Building Construction in Texas	Haberl, J.; Culp, C.; Gilman, D.; Baltazar-Cervantes, J. C.; Yazdani, B.; Fitzpatrick, T.; Munns, S.; Verdict, M.	Link
ESL-IC-04-10-31	Using Simulation Models for Building Commissioning	Claridge, D. E.	Link
ESL-IC-04-10-32	Experiences of Using Models and Information of Building Automation System in Commissioning	Keränen, H.; Kalema, T.; Pesonen, A.	Link
ESL-IC-04-10-33	Commissioning-Oriented Building Loads Calculations. Application to the CA-MET Building in Namur (Belgium)	Adam, C.; Andre, P.; Aparecida Silva, C.; Hannay, J.; Lebrun, J.	Link
ESL-IC-04-10-34	Using Building Control System for Commissioning	Vaezi-Nejad, H.; Salisbury, T. I.; Choiniere, D.	Link
ESL-IC-04-10-35	Requirements for Commissioning HVAC Systems Using BEMS and Commissioning the BEMS Itself Based on Questionnaire Surveys	Yoshida, H.; Vaezi-Nejad, H.; Choiniere, D.; Wang, F.	Link
ESL-IC-04-10-36	Automatic Commissioning of Multiple VAV Terminals	Qin, J.; Wang, S.	Link
ESL-IC-04-10-37	Fault Detection and Diagnosis Method for VAV Terminal Units	Miyata, M.; Yoshida, H.; Asada, M.; Wang, F.; Hashiguchi, S.	Link
ESL-IC-04-10-38	The Effect of Optimal Tuning of the Heating-/Cooling Curve in AHU of HVAC System in Real Practise	Elkhuizen, P. A.; Scholten, J. E.; Peitsman, H. C.; Kooijman, A.	Link
ESL-IC-04-10-39	Re-Commissioning of a VAV Air-Distribution System	Andre, P.; Silva, C. A.; Fonseca, N.; Hannay, J.; Lebrun, J.; Lacote, P.	Link
ESL-IC-04-10-40	Modeling of Residential Buildings and Heating Systems	Masy, G.; Lebrun, J.	Link
ESL-IC-04-10-41	Solar School Program in Reunion Island	David, M.; Adelard, L.	Link
ESL-IC-04-10-42	Commissioning Trial for Mechanical Ventilation System Installed in Houses	Ohta, I.; Fukushima, A.	Link
ESL-IC-04-10-43	Experience on Commissioning of Heating/Cooling System and Thermal/Air Quality Environment	Hokoi, S.; Miura, H.; Huang, Y.; Nakahara, N.; Iwamae, A.	Link
ESL-IC-04-10-44	Using Remote Control Systems for the Re-Commissioning of Heating Plants of School Buildings	Vaezi-Nejad, H.; Dettaille, C.; Jandon, M.; Bruyat, F.	Link
ESL-IC-04-10-45	Benefits of Prospective Commissioning for Condominiums in Chicago	Chimack, M. J.; Walker, C.	Link
ESL-IC-04-10-46	Study on Commissioning Process for Control Logic of Thermal Storage System	Shioya, M.; Tsubaki, M.; Nakahara, N.	Link
ESL-IC-04-10-47	BEMS assisted tools adapted to BEMS assisted tools adapted to Initial and Continuous Commissioning	Viaud, B.	Link

ESL-IC-04-10-48	Condition Controlling and Monitoring of Indoor Swimming Pools	Nissinen, K.; Kauppinen, T.; Hekkanen, M.	Link
ESL-IC-04-10-49	Automated Management Systems of Multi-Apartment Houses	Snidere, L.; Briedis, V.; Jurkevics, L.; Berke, L.; Vingre, I.	Link
ESL-IC-04-10-50	Commissioning the Domestic Hot Water System on a Large University Campus: A Case Study	Chen, H.; Bensouda, N.; Claridge, D. E.; Bruner, H.	Link
ESL-IC-04-10-51	Innovative Control of Electric Heat in Multifamily Buildings	Lempereur, D.; Bobker, M.	Link
ESL-IC-04-10-52	A Functional Test Procedure for the improved commissioning of a VAV system	Andre, P.; Lacote, P.; Aparecida Silva, C.; Hannay, J.; Lebrun, J.	Link
ESL-IC-04-10-53	Commissioning Tools for Heating/Cooling System in Residence - Verification of Floor Heating System and Room Air Conditioning System Performance -	Miura, H.; Hokoi, S.; Iwamae, A.; Umeno, T.; Kondo, S.	Link
ESL-IC-04-10-54	Performance Study of Enhanced Auto-Associative Neural Networks For Sensor Fault Detection	Najafi, M.; Culp, C.; Langari, R.	Link
ESL-IC-04-10-55	A Measurement Method of Actual Thermal Performance of Detached Houses	Iwamae, A.; Nagai, H.; Miura, H.	Link
ESL-IC-04-10-56	Operability and Results of Retro and On-Going Commissioning Tools Applied to an Existing Building	Ginestet, S.; Marchio, D.; Morisot, O.	Link
ESL-IC-04-10-57	Retro-Commissioning the Aria Building Using Cite-AHU: An Annex 40 Collaboration	Castro, N. S.; Vaezi-Nejad, H.	Link
ESL-IC-04-10-58	Operation Diagnostics - Use of Operation Patterns to Verify and Optimize Building and System Operation	Baumann, O.	Link
ESL-IC-04-10-59	Vision of a Visualization Tool for Commissioning	Isakson, P.; Eriksson, J.	Link
ESL-IC-04-10-60	Energy Efficiency in Commercial Buildings: Experiences and Results from the German funding Program SolarBau	Herkel, S.; Lohnert, G.; Voss, K.; Wagner, A.	Link
ESL-IC-04-10-61	The New European GreenBuilding Programme to Promote Energy Efficiency Investments in non-Residential Buildings	Adnot, J.; Bertoldi, P.	Link
ESL-IC-04-10-62	Comparative Study of Availability on Energy/Environment Commissioning Using Existing HVAC Simulation Programs for a Model Building	Niwa, H.; Nakahara, N.; Okumiya, M.; Suganaga, M.; Tanaka, H.; Pan, S.; Watanabe, T.; Zheng, M.	Link
ESL-TR-04-11-01	Literature Review of Uncertainty of Analysis Methods, (DOE-2 Program), Report to the Texas Commission on Environmental Quality, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Cho, S.	Link
ESL-TH-04-12-01	Effects of System Cycling, Evaporator Airflow, and Condenser Coil Fouling on the Performance of Residential Split-System Air Conditioners, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Dooley, J. B.	Link
ESL-TR-04-12-02	Baseline Report for the Fort Hood Army Base: Sept. 2003 to Oct. 2004, A Research Project for the U.S. Army C.E.R.L. and the Ft. Hood Energy Office, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Liu, Z.	Link
ESL-TR-04-12-01	Energy Efficiency / Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Vol. I – Summary Report; Annual Report to the Texas Commission on Environmental Quality, Sept. 2003 to Aug. 2004, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J.-C.; Bryant, J.; Degelman, L.; Turner, W. D.	Link
ESL-TR-04-12-04	Energy Efficiency / Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Vol. II – Technical Report; Annual Report to the Texas Commission on Environmental Quality, Sept. 2003 to Aug. 2004, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J.-C.; Bryant, J.; Degelman, L.; Turner, W. D.	Link
ESL-TR-04-12-05	Energy Efficiency / Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Vol. III – Appendix; Annual Report to the Texas Commission on Environmental Quality, Sept. 2003 to Aug. 2004, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J.-C.; Bryant, J.; Degelman, L.; Turner, W. D.	Link
ESL-TR-04-12-06	Texas Emissions and Energy Calculator (eCALC): Documentation of Analysis Methods, Report to the TCEQ, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Gilman, D.; Culp, C.	Link
ESL-TR-05-01-02	Engineering and Software Requirements of the Automated Building Commissioning Analysis Tool (ABCAT), <i>Energy Systems Laboratory, Texas A&M University</i> .	Claridge, D. E.; Liu, M.; Painter, F.; Wang, G.	Link
ESL-PA-05-01-01	Vapor Compression Cycles: Control-Oriented Modeling and Validation, <i>ASME International Mechanical Engineering Congress</i>	Eldredge, B.; Rasmussen, B.; Alleyne, A.	Link
ESL-PA-05-01-02	Parametric Sensitivity Analysis and Model Tuning Applied to Vapor Compression Systems, <i>ASME International Mechanical Engineering Congress</i>	Keir, M. C.; Rasmussen, B.P.; Alleyne, A.	Link
ESL-PA-05-01-03	Stable Gain-scheduling on Endogenous Signals, <i>American Control Conference</i>	Alleyne, A.; Rasmussen, B.	Link
ESL-PA-05-02-01	Control Optimization for a Chilled Water Thermal Storage System Under a Complicated Time-of-Use Electricity Rate Schedule, <i>ASHRAE Transactions</i> , Vol. 111, Pt. 1, pp. 4759 – 4770.	Zhou, J.; Wei, G.; Turner, W. D.; Deng, S.; Claridge, D. E.; Contreras, O.	Link
ESL-TR-05-03-03	ESL Monthly Energy Consumption Report (MECR) Production Manual, <i>Energy Systems Laboratory, Texas A&M University</i> .	Liu, Z.; Sweeny, J.; Song, S.; Haberl, J.	Link
ESL-PA-05-05-01	Effect of Refrigerant Flow Control on the Heating Performance of a Variable-Speed Heat Pump Operating and Low Outdoor Temperature, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 127, pp. 287-296, May 2005.	Kim, B.; O'Neal, D.	Link
ESL-TH-05-05-02	Effect of Daylighting on Energy Consumption and Daylight Quality in an Existing Elementary School, <i>Master's Thesis, Department of Architecture, Texas A&M University</i> .	Atre, U. V.	Link
ESL-TH-05-05-03	First Law Energy Balance as a Data Screening Tool, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Shao, X.	Link

ESL-TH-05-05-04	Numerical Simulation of Mixed Convection over a Three-Dimensional Horizontal Backward- Facing Step, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University.</i>	Barbosa Saldana, J. G.	Link
ESL-TH-05-05-05	Developing Standards for Undergraduate University Construction Education Internship Programs, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University.</i>	Hager, C. J.	Link
ESL-TH-05-05-06	An advanced vapor-compression desalination system, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Lara Ruiz, J.	Link
ESL-PA-05-06-01	Accuracy Tests for Simulations of Constant Volume, Dual Duct and Variable Volume Air Handling Systems (4796), <i>ASHRAE Transactions-Research</i> , Vol. 111, Pt. 2, pp. 137-153.	Yuill, G.; Haberl, J.	Link
ESL-PA-05-06-02	An Experimental Evaluation of Duct-Mounted Relative Humidity Sensors: Part 2 – Accuracy Results, <i>ASHRAE Transactions</i> , June 2005, Vol 111 (2), pp167-176.	Joshi, S.N. ; Pate, M. B. ; Nelson, R. M. ; House, J. H. ; Klaassen, C.J.	Link
ESL-PA-05-06-03	An Experimental Evaluation of Duct-Mounted Relative Humidity Sensors: Part 3 – Repeatability, Hysteresis and Linearity Results, <i>ASHRAE Transactions</i> , June 2005, Vol 111 (2), pp 177-184.	Joshi, S.N. ; Pate, M. B. ; Nelson, R. M. ; House, J. H. ; Klaassen, C.J.	Link
ESL-TH-05-08-01	Analysis of Improved Fenestration for Code-Compliant Residential Buildings in Hot and Humid Climates, <i>Master's Thesis, Department of Architecture, Texas A&M University.</i>	Mukhopadhyay, J.	Link
ESL-TH-05-12-01	An Analysis of Maximum Residential Energy-Efficiency in Hot and Humid Climates, <i>Master's Thesis, Department of Architecture, Texas A&M University.</i>	Malhotra, M.	Link
ESL-TH-05-12-02	A Methodology to Pre-Screen Commercial Buildings for Potential Energy Savings Using Limited Information, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Zhu, Y.	Link
ESL-PA-05-02-02	An Experimental Evaluation of Duct-Mounted Relative Humidity Sensors: Part 1 – Test and Evaluation Procedures, <i>ASHRAE Transactions</i> , February 2005, Vol 111 (1), pp165-175.	Joshi, S.N. ; Pate, M. B. ; Nelson, R. M. ; House, J. H. ; Klaassen, C.J.	Link
ESL-PA-05-10-01	Evaluation of Mixing Elements in an L-Shaped Configuration for Application to Single Point Aerosol Sampling in Ducts, <i>International Journal of HVAC&R Research</i> , Vol. 11, No. 4, pp. 657-677.	Han, T.; O'Neal, D.; McFarland, A.; Ortiz, C.	Link
ESL-PA-06-01-01	Accuracy Tests for Simulation for Single Zone, Two Pipe, Four Pipe and Induction Air Handling Systems, <i>ASHRAE Transactions-Research</i> , Vol. 112, Pt. 1.	Yuill, G.; Haberl, J.	Link
ESL-PA-06-01-02	The Effects of Elbows on the Accuracy of Liquid Flow Measurement with an Insertion Flowmeters, <i>ASHRAE Transactions: Research</i> , Vol. 112, Pt. 1, January 2006.	Woo, S.; O'Neal, D. L.	Link
ESL-PA-06-04-01	Automotive Vapor Compression Cycles: Validation of Control-Oriented Models, <i>Society of Automotive Engineers 2006 World Congress</i> , Detroit, Michigan, 2006, SAE Paper 2006-01-1452.	Eldredge, B.D.; Rasmussen, B.P.; Alleyne, A.	Link
ESL-PA-06-04-02	Improving Energy Efficiency in Automotive Vapor Compression Cycles through Advanced Control Design, <i>Society of Automotive Engineers 2006 World Congress</i> , Detroit, Michigan, 2006, SAE Paper 2006-01-0267.	Keir, M. C.; Rasmussen, B.P.; Alleyne, A.	Link
ESL-TH-06-05-01	Hydraulic Modeling of Large District Cooling Systems for Master Planning Purposes	Xu, C.	Link
ESL-TH-06-05-02	Development of Models for Series and Parallel Variable Air Volume Terminal Units, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Furr, J.	Link
ESL-HH-06-07-01	Impact of the Implementation of the 2000/2001 IECC on Residential Energy Use in Texas: Preliminary Verification of Residential Energy Savings	Baltazar-Cervantes, J. C.; Haberl, J. S.; Culp, C.; Yazdani, B.	Link
ESL-HH-06-07-02	Impact of the Implementation of the 2000/2001 IECC on Residential Energy Use in Texas: Analysis of Commercial Energy Savings	Kim, S.; Ahmad, M.; Im, P.; Chongcharoensuk, C.; Haberl, J. S.; Culp, C.; Yazdani, B.	Link
ESL-HH-06-07-03	Impact of the Implementation of the 2000/2001 IECC on Residential Energy Use in Texas: Analysis of Residential Energy Savings	Ahmad, M.; Im, P.; Mukhopadhyay, J.; Malhotra, M.; Haberl, J. S.; Culp, C.; Yazdani, B.	Link
ESL-HH-06-07-04	Ventilation Requirements in Hot Humid Climates	Walker, I. S.; Sherman, M. H.	Link
ESL-HH-06-07-05	Reassessing Residential Design in Hawaii: Design Construction Building Analysis and Publishing Design Guidelines for a Passive-Design Model Home on Hawaiian Homeland	Meder, S.	Link
ESL-HH-06-07-06	Best Practice Commissioning Database for Green Buildings	Baumann, O.; Domke, M.; Reiser, C.; Umpfenbach, M.	Link
ESL-HH-06-07-07	Hydraulic Modeling of Large District Cooling Systems for Master Planning Purposes	Xu, C.; Chen, Q.; Claridge, D. E.; Turner, W. D.; Deng, S.	Link
ESL-HH-06-07-08	Continuous Commissioning® of a Modern Central Utility Plant	Chen, Q.; Xu, C.; Zhou, J.; Verdict, M.; Turner, W. D.; Deng, S.; Birch, B.	Link
ESL-HH-06-07-09	Understanding the Needs of Arkansas School Districts Relative to Building Use and Control Utility Tracking Personnel and Facility Planning	Keazer, J. A.; Nutter, D. W.	Link
ESL-HH-06-07-10	School Conditions Will Continue to Earn Failing Grades	Sonne, J. K.; Vieira, R. K.; Cummings, J. B.	Link
ESL-HH-06-07-11	A 'Common Practice' Approach to Attract and Retain Engineering Students	Mountain, J. R.; Hibbeler, L. C.	Link
ESL-HH-06-07-12	A Survey of High Performance Schools	Im, P.; Haberl, J. S.	Link
ESL-HH-06-07-13	Safety Sustainability and Public Perception of Manufactured Housing in Hot Humid Climates	Grosskopf, K. R.; Cutlip, D.	Link
ESL-HH-06-07-14	The Successful Design Construction and 'Live-ability' of an Energy Efficient Home in a Hot and Humid Climate	Gardner, J. C.	Link
ESL-HH-06-07-15	Design of a Green Demo Building in a Hot and Humid City in China	Hammer, W.; Kluz, E.; Sonan, A.; Jiang, Y.; Bacall, A.; Jones, B.	Link
ESL-HH-06-07-16	The 2005 Solar D House	Garrison, M.	Link
ESL-HH-06-07-17	Energy Performance Aspects of a Florida Green Roof	Sonne, J.	Link
ESL-HH-06-07-18	Insuring Electric Power for Critical Services After Disasters with Building-Sited Electric Generating Technologies	Jackson, J.	Link
ESL-HH-06-07-19	Mechanical and Electrical Systems for the Tallest Building/Man-Made Structure in the World: A Burj Dubai Case Study	Frechette, R.; Leung, L.; Boyer, J.	Link
ESL-HH-06-07-20	Ventilated Façade Design for Hot and Humid Climates	Haase, M.; Amato, A.	Link
ESL-HH-06-07-21	A Survey of High Performance Office Buildings in the United States	Cho, S.; Haberl, J. S.	Link
ESL-HH-06-07-22	Comparison of Simulation Methods for Evaluating Improved Fenestration Using the DOE-2.1E Building Energy Simulation Program	Mukhopadhyay, J.; Haberl, J. S.	Link

ESL-HH-06-07-23	Cooling Performance Assessment of Building America Homes	Chasar, D.; Chandra, S.; Parker, D.; Sherwin, J.; Beal, D.; Hoak, D.; Moyer, N.; McIlvaine, J.	Link
ESL-HH-06-07-24	Using an Occupant Energy Index for Achieving Zero Energy Homes	Dean, B.; Gamble, D.; Kaiser, D.; Meisegeier, D.	Link
ESL-HH-06-07-25	Improved Specifications for FEMA Procured Ruggedized Manufactured Homes for Hot/Humid Climates	Thomas-Rees, S.; Barkaszi, S.; Chandra, S.; Chasar, D.; McIlvaine, J.	Link
ESL-HH-06-07-26	An Analysis of Maximum Residential Energy Efficiency in Hot and Humid Climates	Malhotra, M.; Haberl, J. S.	Link
ESL-HH-06-07-27	<i>NightCool: An Innovative Residential Nocturnal Radiation Cooling Concept</i>	Parker, D. S.	Link
ESL-HH-06-07-28	Comparative Study: CFD ΔP Versus Measured ΔP for 30% Flexible Ducts	Ugursal, A.; Culp, C.	Link
ESL-HH-06-07-29	Role of Wind in Vernacular Architecture of Hot and Humid Region of Iran	Najafabadi, R. A.; Daneshvar, K.; Pakseresh, K.; Pooryousefzadeh, S.	Link
ESL-HH-06-07-30	Towards Energy Efficient Building Assets: A Review on Sub-Tropical Climate	Chowdhury, A. A.; Rasul, M. G.; Khan, M. M. K.	Link
ESL-HH-06-07-31	Warm Humid Climate: Methodology to Study Air Temperature Distribution: Mobile Phones Base Stations as Viable Alternative for Fixed Points	Araujo, V.; Costa, A.; Labaki, L.	Link
ESL-HH-06-07-32	Whole House Thermal Performance of Asphalt Shingles Exploiting Special Infrared Reflective Pigments	Hahn, L.; Miller, W.; Desjarlais, A.; Jacobs, J.; Youngquist, A.	Link
ESL-HH-06-07-33	Effect of Photocatalytic Coatings on the Weathering of Elastomeric Roofing Membrane	Linkous, C. A.; Robertson, R. H.	Link
ESL-HH-06-07-34	The Impact of Above-Sheathing Ventilation on the Thermal and Moisture Performance of Steep-Slope Residential Roofs and Attics	Miller, W.; Karagiozis, A.; Wilson, J.	Link
ESL-HH-06-07-35	Effects of Framing on the Thermal Performance of Wood and Steel-Framed Walls	Kosny, J.; Yarbrough, D. W.; Childs, P.; Mohiuddin, S. A.	Link
ESL-HH-06-07-36	Metering and the New Federal Requirements of Energy Policy Act 2005	Ream, A.; Verdict, M.	Link
ESL-HH-06-07-37	Methodology for Analyzing Energy and Demand Savings From Energy Services Performance Contract Using Short-Term Data	Liu, Z.; Haberl, J. S.; Cho, S.; Lynn, B.; Cook, M.	Link
ESL-HH-06-07-38	A Pilot Case Study of Measurement and Verification for a Major Texas State Agency Performance Contracting Initiative	Bou-Saada, T.; Culp, C.	Link
ESL-HH-06-07-39	Field Test of Combined Desiccant-Evaporator Cycle Providing Lower Dew Points and Enhanced Dehumidification	Cromer, C. J.	Link
ESL-HH-06-07-40	The Efficacy of SEER as a Seasonal Performance Measure for Different Climates	Henderson, H. I.; Sachs, H. M.	Link
ESL-HH-06-07-41	Dehumidification Enhancement of Direct Expansion Systems Through Component Augmentation of the Cooling Coil	Kosar, D.; Swami, M.; Shirey, D.; Raustad, R.; Basarkar, M.	Link
ESL-HH-06-07-42	Measured Crawlspace Conditions Under Manufactured Homes	Beal, D.; Chasar, D.	Link
ESL-HH-06-07-43	Correlations Between Homeowner Mold Insurance Claims and Weather Databases in Texas	Kosar, D.; Nikolovski, D.	Link
ESL-HH-06-07-44	Shut Down Schedule Optimization with Outdoor Humidity Level	Chen, H.; Deng, S.; Turner, W. D.; Claridge, D. E.; Clingenpeel, K.	Link
ESL-HH-06-07-45	The Energy Policy Pyramid – A Hierarchal Tool for Decision Makers	Vieira, R. K.	Link
ESL-HH-06-07-46	Utility Public Benefit Funds; Renewed Interest at the State and Federal Levels	Verdict, M.	Link
ESL-HH-06-07-47	Energy Conservation Program in Kuwait: A Local Perspective	Hajiah, A. E.	Link
ESL-TH-06-08-01	Development of New Methodologies for Evaluating the Energy Performance of New Commercial Buildings	Song, S.	Link
ESL-TH-06-08-02	An Analysis of International Energy Conservation Code (IECC)-Compliant Single-Family Residential Energy Use	Kim, S.	Link
ESL-TH-06-08-03	The Creation of a Courtyard Microclimate Thermal Model for the Analysis of Courtyard Houses	Bagneid, A.	Link
ESL-TH-06-12-01	Development of an Automated Methodology for Calibration of Simplified Air-Side HVAC System Models and Estimation of Potential Savings from Retrofit/Commissioning Measures, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i>	Baltazar-Cervantes, J. C.	Link
ESL-PA-06-07-01	Mixing in a Square and a Rectangular Duct Regarding Selection of Location of Extractive Sampling of Gaseous Contaminants, <i>Health Physics</i> , Vol. 91, No. 1, pp. 47-57, July 2006.	Seo, Y.; McFarland, A. R.; Ortiz, C. A.; O'Neal, D. L.	Link
ESL-PA-06-08-04	Quantification of NOx Emissions Reductions for SIP Credits from Energy Efficiency and Renewable Energy Projects in Texas, <i>2006 ACEEE Summer Study on Energy Efficiency in Buildings</i> , American Council for an Energy Efficient Economy, Washington, D.C.	Verdict, M.; Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Gilman, D.; Ahmed, M.; Liu, B.; Baltazar, J.C.; Muns, S.; and Turner, D.	Link
ESL-PA-06-08-05	Development of a New ASHRAE Protocol for Measuring and Reporting the Onsite Performance of Buildings Except Low-Rise Residential Buildings, <i>2006 ACEEE Summer Study on Energy Efficiency in Buildings</i> , American Council for an Energy Efficient Economy, Washington, D.C.	Haberl, J.; Case, M.; Kettler, G.; Hunn, B.	Link
ESL-TH-07-05-01	Simulation of Three –Dimensional Laminar Flow and Heat Transfer in an Array of Parallel Micro-channels, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	MIClaj, J. D.	Link
ESL-TH-07-05-03	Whole-Building Commercial HVAC System Simulation for Use in Energy Consumption Fault Detection	Painter, F.	Link
ESL-TH-07-08-01	An Evaluation of the Bioclimatic Chart for Choosing Design Strategies for a Thermostatically-Controlled Residence in Selected Climates	Visitsak, S.	Link
ESL-TH-07-08-02	A Comparison of Commissioning Savings Determination Methodologies and the Persistence of Commissioning Savings in Three Buildings, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Engan, K.	Link
ESL-TH-07-08-03	Investigation of a Radiantly Heated and Cooled Office with an Integrated Desiccant Ventilation Unit, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Gong, X.	Link
ESL-TH-07-08-04	Development and Testing of an Automated Building Commissioning Analysis Tool (ABCAT), <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Curtin, J.	Link
ESL-TH-07-08-06	Framework for a Visual Energy Use System, <i>Masters Thesis, Department of Architecture, Texas A&M University</i> .	McDonald, C. E.	Link
ESL-TR-07-12-07	Recommendations for 15% Above-Code Energy Efficiency Measures for Commercial Office Buildings, <i>Energy Systems Laboratory, Texas A&M University</i> .	Cho, S.; Mukhopadhyay, J.; Culp, C.; Haberl, J.; Yazdani, B.	Link

ESL-TR-07-12-08	Recommendations for 15% Above-Code Energy Efficiency Measures for Single Family Residences, <i>Energy Systems Laboratory, Texas A&M University.</i>	Malhotra, M.; Mukhopadhyay, J.; Liu, B.; Haberl, J.; Culp, C.; Yazdani, B.	Link
ESL-TH-07-12-01	Implicit Runge-Kutta Methods to Simulate Unsteady Incompressible Flows, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Ijaz, M.	Link
ESL-TH-07-12-02	Numerical Simulation of Three-Dimensional Combined Convective Radiative Heat Transfer in Rectangular Channels, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Ko, M. S.	Link
ESL-TH-07-12-03	Evaluation of Selected Energy Options for a Sustainable Campus in Texas, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Clingenpeel, K.	Link
ESL-TH-07-12-06	Industrial Energy Use Indices, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Hanegan, A.	Link
ESL-HH-07-12-01	Cheaper, Cleaner, Cooler Ways to Meet our Needs for New Energy	Smith, T.	Link
ESL-HH-07-12-02	A Methodology for Calculating Integrated NOx Emissions Reduction from Energy Efficiency and Renewable Energy (EE/RE) Programs Across State Agencies in Texas, <i>15.5 Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , San Antonio December 17-18, 2007.	Baltazar, J. C.; Im, P.; Haberl, J. S.; Liu, Z.; Mukhopadhyay, J.; Culp, C.; Kim, S.; Gilman, D.; Yazdani, B.	Link
ESL-HH-07-12-03	Recommendations for 15% Above-Code Energy-Efficiency Measures for Commercial Office Buildings, <i>15.5 Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , San Antonio, December 17-18, 2007.	Cho, S.; Mukhopadhyay, J.; Culp, C.; Haberl, J. S.; Yazdani, B.	Link
ESL-HH-07-12-04	Integrated Energy Efficiency	Heins, S.	Link
ESL-HH-07-12-05	Recommendations for 15% Above-Code Energy Efficiency Measures for Single-Family Residences, <i>15.5 Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , San Antonio, December 17-18, 2007.	Malhotra, M.; Mukhopadhyay, J.; Liu, B.; Culp, C.; Haberl, J. S.; Yazdani, B.	Link
ESL-HH-07-12-06	Development of a Residential Code-Compliant Calculator for the Texas Climate Vision Project, <i>15.5 Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , San Antonio, December 17-18, 2007.	Morgan, R.; Gilman, D. R.; Mukhopadhyay, J.; Marshall, K.; Stackhouse, R.; Cordes, J.; Liu, B.; Montgomery, C.; Haberl, J. S.; Culp, C.; Yazdani, B.	Link
ESL-HH-07-12-07	Above Code: What does that mean?	Muns, S.	Link
ESL-HH-07-12-08	CHP: It's Time for Combined Heat and Power	Herweck, R.	Link
ESL-HH-07-12-09	Sustaining Long-Term Energy Savings for a Major Texas State Agency Performance Contracting Initiative, <i>15.5 Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , San Antonio, December 17-18, 2007.	Bou-Saada, T.; Culp, C.	Link
ESL-HH-07-12-10	Converting 15-Minute Interval Electricity Load Data into Reduced Demand, Energy Reduction and Cash Flow	Herrin, D. G.	Link
ESL-PA-07-01-01	An Experimental Evaluation of the Time Response of a Duct-Mounted Relative Humidity Sensors, <i>ASHRAE Transactions</i> , January 2007, Vol 113 (1).	Joshi, S.N. ; Pate, M. B.; Nelson, R. M. ; House, J. H. ; Klaassen, C.J.	Link
ESL-IE-08-05-05	"What Efficiency Projects are Being Installed in the Pulp and Paper Industry"	Nicol, J.	Link
ESL-IE-08-05-06	All Electric Injection Molding Machines:How Much Energy Can You Save?	Kanungo, A.; Swan, E.	Link
ESL-IE-08-05-07	Optimizing Steam and Condensate Systems: A Case Study	Venkatesan, V. V.; Grillo, R.; Bockwinkel, R. G.	Link
ESL-IE-08-05-08	Energy Savings Through Steam Trap Management	Gibbs, C.	Link
ESL-IE-08-05-09	Energy Audit Findings by Category	Theising, T. R.	Link
ESL-IE-08-05-10	Energy Intensity Strategy	Rappolee, D.; Shaw, J.	Link
ESL-IE-08-05-11	Possible Savings Achievable by Recipients of Training and Software Provided by the U.S Department of Energy's Industrial Technologies Program	Schweitzer, M.; Martin, M. A.; Schmoeyer, R. L.	Link
ESL-IE-08-05-12	Conducting Your Own Energy Audit	Phillips, J.	Link
ESL-IE-08-05-13	Incorporating Demand Resources into ISO New England's Forward Capacity Market	Winkler, E.	Link
ESL-IE-08-05-14	Capitalize on Existing Assets with Demand Response	Collins, J.	Link
ESL-IE-08-05-15	Steam Turbine Cogeneration	Quach, K.; Robb, A. G.	Link
ESL-IE-08-05-16	Cyclone Boiler Reburn NOx Control Improvements via Cyclone Design Improvements and Advanced Air Staging	Morabito, B.; Nee, B.; Goff, V.; Maringo, G.	Link
ESL-IE-08-05-17	Assessment of Inlet Cooling to Enhance Output of a Fleet of Gas Turbines	Wang, T.; Braquet, L.	Link
ESL-IE-08-05-18	Cascading Closed Loop Cycle Power Generation	Romero, M.	#VALUE!
ESL-IE-08-05-19	Near-Zero NOx Technology	Utzinger, M.	Link
ESL-IE-08-05-20	Greenhouse Gas Initiatives - Analysis of McCain-Lieberman Bill S.280 'The ClimateStewardship and Innovation Act of 2007' Using the National Energy Modeling System	Ellsworth, C.	Link
ESL-IE-08-05-21	Greening Industrial Facilities: A Sustainable Approach to Addressing Energy Concerns	Love, D.	Link
ESL-IE-08-05-22	Catalyst Paper No-Carb Strategy for GHG Reduction	McClain, C.; Robinson, J.	Link
ESL-IE-08-05-23	Leveraging Existing Data Streams Toward Climate-Driven Emissions Inventorying and Reporting	Reith, C. C.; Shanin, D.	Link
ESL-IE-08-05-24	Greenhouse Gas Emission Reduction in the ENERGY STAR Commercial, Industrial and Residential Sectors. An Example of how the Refinery Industry is Capitalizing on ENERGY STAR	Patrick, K.	Link
ESL-IE-08-05-25	The ENERGY STAR® Plant Label: A Valuable Component of Strategic Corporate Energy Management	Tunnessen, W.	Link
ESL-IE-08-05-26	System Assessment Standards: Defining the Market for Assessment Services	McKane, A. T.; Sheaffer, P. E.	Link
ESL-IE-08-05-27	Building an Energy Efficient Plant Certification Program: Management System for Energy 2000:2008	Meffert, B; Brown, M.	Link
ESL-IE-08-05-28	Certifying U.S. Manufacturing Plants for Energy Efficiency	Scheihing, P.; Schultz, S.; Almaguer, J.	Link
ESL-IE-08-05-29	Establishing and Maintaining Effective Energy Management Practices	Giffin, T. M.	Link
ESL-IE-08-05-30	Industrial Decision Making	Elliott, R. N.; McKinney, V.; Shipley, A.	Link
ESL-IE-08-05-31	Simple Payback: The Wrong Tool for Energy Project Analysis?	Russell, C.	Link
ESL-IE-08-05-32	Energy Management: Best Practice Approach in a Carbon Constrained World	Spates, C. N.	Link
ESL-IE-08-05-33	U.S. Department of Energy (DOE) Industrial Programs and Their Impacts	Weakley, S. A.; Roop, J. M.	Link
ESL-IE-08-05-34	State Demand-Side Management Programs Funds are Exploding! How Industries Can Best Use These Programs to Maximize Their Benefits	Nicol, J.	Link
ESL-IE-08-05-35	Measurement and Verification of Industrial Energy-Savings Projects – Lessons Learned By Measuring Successful and Not-So Successful Projects	Hebert, D	Link
ESL-IE-08-05-36	Electric Utility Industrial DSM and M&V Program	Lau, K. P. K.	Link
ESL-IE-08-05-37	Successful Real Time Pricing (RTP) Tieline Control Must Do More Than Save Money	Robinson, J.	Link
ESL-IE-08-05-38	Finding Benefits by Modeling and Optimizing Steam and Power Systems	Harper, C.; Nelson, D. A.	#VALUE!

ESL-IE-08-05-39	Case Studies of Onsite Energy Systems for Healthcare Facilities	Schwass, R.	Link
ESL-IE-08-05-40	A Preliminary Study on Designing Combined Heat and Power (CHP) System for the University Environment	Kozman, T. A.; Reynolds, C. M.; Lee, J.	Link
ESL-IE-08-05-41	A Management Tool for Analyzing CHP Natural Gas Liquids Recovery System	Olsen, C.; Kozman, T. A.; Lee, J.	Link
ESL-IE-08-05-42	Optimization of Steam Network in Tehran Oil Refinery	Khodaie, H.; Nasr, M. R. J.	Link
ESL-IE-08-05-43	Review of a State Industrial Efficiency Program: Texas Industries of the Future	Ferland, K.	Link
ESL-IE-08-05-44	Program Strategies and Results for California's Energy Efficiency and Demand Response Markets	Ehrhard, R.; Hamilton, G.	Link
ESL-IE-08-05-45	Energy and Emissions Savings through Insulation Upgrade Projects	Lettich, M.	Link
ESL-IE-08-05-46	Using a Practical Approach to Energy Management to Get it Done	Nicol, J.; Dantoin, T.	Link
ESL-IE-08-05-47	Measured Savings of DC to AC Drive Retrofit in Plastic Extrusion	Sfeir, R. A.	Link
ESL-IE-08-05-48	CO ₂ Reduction through Optimization of Steam Network in Petroleum Refineries: Evaluation of New Scenario	Manesh, M. H. K; Khodaie, H.; Amidpour, M.	Link
ESL-IE-08-05-49	DOE's Save Energy Now Assessments – Results and Lessons Learned from 450 Assessments Conducted in 2006-2007	Martin, M.; Wright, A.	Link
ESL-IE-08-05-50	Waste Heat Recovery – Submerged Arc Furnaces (SAF)	O'Brien, T.	Link
ESL-IE-08-05-51	Hexion CHP Project	Bullock, B.	Link
ESL-IE-08-05-52	Low Carbon Footprint and Ultra Low NOx Boilers through Efficiency Gain	Benz, R.; Staedter, M.	Link
ESL-IE-08-05-53	Improving Energy Efficiency and Reducing Greenhouse Gas Emissions in BPs PTA Manufacturing Plants	Clark, F.	Link
ESL-IE-08-05-54	Implementing Energy Efficiency in Wastewater to Reduce Costs	Cantwell, J. C.	Link
ESL-IE-08-05-55	Process Cooling Pumping Systems Analysis	Sherman, C.	Link
ESL-PA-08-06-01	A Procedure for the Performance Evaluation of a New Commercial Building: Part I – Calibrated As-builtSimulation, <i>ASHRAE Transactions-Research</i> , Vol. 114, Pt. 2, pp. 375-388	Song, S.; Haberl, J.	Link
ESL-PA-08-06-02	A Procedure for the Performance Evaluation of a New Commercial Building: Part II – Overall Methodology and Comparison of Results, <i>ASHRAE Transactions-Research</i> , Vol. 114, Pt. 2, pp. 389 – 403	Song, S.; Haberl, J.	Link
ESL-PA-08-06-03	A Numerical Estimate of Flexible Short-tube Flow and Deformation with R-134a and R-410a, <i>ASHRAE Transactions</i> , Vol. 114, Pt. 2, June 2008	Bassiouny, R.; O'Neal, D.	Link
ESL-PA-08-06-04	Stable Controller Interpolation for LPV Systems, <i>2008 American Control Conference</i> , Seattle, WA, 2008, pp. 3082 - 3087	Chang, Y. J.; Rasmussen, B. P.	Link
ESL-PA-08-06-05	Model-Based Predictive Control of a Multi-Evaporator Vapor Compression Cooling Cycle, <i>2008 American Control Conference</i> , Seattle, WA, 2008, pp. 1463 - 1468	Elliott, M.S.; Rasmussen, B.P.	Link
ESL-PA-08-06-06	Parameter Tuning of Reduced Order Evaporator Models via Numerical Model Reduction, <i>2008 American Control Conference</i> , Seattle, WA, 2008, pp. 1449 - 1454	Gupta, A.; Rasmussen, B.P.	Link
ESL-PA-08-06-07	Energy Systems Laboratory: Building a Model Repository Collection, <i>Texas Conference on Digital Libraries</i> , Austin, Texas, June 2008	Koenig, J.; Haberl, J.; Gilman, D.; Hughes, S. J.	Link
ESL-PA-08-06-08	Qualification of Fan Generated Duct Rumble Noise: Part 1: Test Facility(RP 1219), <i>ASHRAE Transactions</i> , 2008	Kading, J.; Mann, A.; Pate, M. B.	Link
ESL-PA-08-06-09	Qualification of Fan Generated Duct Rumble Noise: Part 2: Results (RP 1219), <i>ASHRAE Transactions</i> , 2008	Kading, J.; Mann, A.; Pate, M. B.	Link
ESL-PA-08-06-10	Operating Characteristics of a High-Efficiency Pilot Scale Corn Distillers Grain Dryer, <i>2008 American Agriculture and Biological Engineering Conference</i>	Pate, M.; Shivers, S.; Bern, C.	Link
ESL-PA-08-08-05	Simulation of Off-Grid, Off-Pipe, Single Family Detached Residences in U.S. Climates, <i>Proceedings of the 3rd SimBuild 2008, IBPSA-USA National Conference</i> , August 2008	Malhotra, M.; Haberl, J.	Link
ESL-PA-08-08-06	Development of a Simplified Simulation Tool for High Performance K-5 Schools in Hot and Humid Climates, <i>Proceedings of the 3rd SimBuild 2008, IBPSA-USA National Conference</i> , August 2008	Im, P.; Haberl, J.	Link
ESL-PA-08-08-07	Development of a Simulation Toolkit For the Selection of High-Performance Systems for Office Buildings in Hot and Humid Climates (Phase I: Calibrated Simulation of the Case Study Building), <i>Proceedings of the 3rd SimBuild 2008, IBPSA-USA National Conference</i> , August 2008	Cho, S.; Haberl, J.	Link
ESL-TH-08-08-01	Performance of ECM Controlled VAV Fan Powered Terminal Units, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Cramlet, Andrew	Link
ESL-TH-08-08-02	Decentralized Model Predictive Control of a Multiple Evaporator HVAC System, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Elliot, Matthew Stuart	Link
ESL-PA-08-09-01	An Experimental Method for Determining the Time Constants of Capacitive Thin-Film Polymer Humidity sensors at Various Duct Air Velocities, <i>HVAC&R Research Journal</i> , Vol. 15, Number 5, pp. 663-682, Sept. 2008.	Dooley, B.; O'Neal, D.	Link
ESL-TR-08-09-04	NOx Emissions Reduction from Continuous Commissioning® Measures for the Dallas-Fort Worth International Airport, <i>Energy Systems Laboratory, Texas A&M University</i> .	Baltazar-Cervantes, J. C.; Haberl, J.; Yazdani, B.	Link
ESL-IC-08-10-01	ESCO Framework for Public/Federal Buildings	Liehr, G.	Link
ESL-IC-08-10-02	Integrated Architectural Concepts	Schossig, E.	Link
ESL-IC-08-10-03	The Masdar Development – Climate Engineering for a Carbon-neutral City	Schuler, M.; Fiedler, T.; Lauster, M.	Link
ESL-IC-08-10-04	A Holistic Approach to the Sustainable Workplace of the Future	Andersen, S. E.	Link
ESL-IC-08-10-05	Assessing the Sustainability of Buildings – From Energy Certificate to Sustainability Report	Lutzkendorf, T.	Link
ESL-IC-08-10-06	Building Energy in China: Forward to Low-Carbon Economy	Weiding, L.	Link
ESL-IC-08-10-07	Better than Average? - Green Building Certification in International Projects	Baumann, O.	Link
ESL-IC-08-10-08	Continuous Commissioning Based on the European Energy Performance of Buildings Directive and Intelligent Monitoring	Schmidt, F.; Neumann, C.	Link
ESL-IC-08-10-09	Monitoring Electricity Consumption in the Tertiary Sector – A Project within the Intelligent Energy Europe Program	Plesser, S.; Fisch, M. N.; Gruber, E.; Schломann, B.	Link
ESL-IC-08-10-10	Getting to Fifty: Moving Towards Low-Energy Commercial Buildings In the United States	Frankel, M.; Hewitt, D.; Egnor, T.	Link
ESL-IC-08-10-11	ASHRAE's New Performance Measurement Protocols for Commercial Buildings	Haberl, J.; Davies, H.; Owens, B.; Hunn, B.	Link
ESL-IC-08-10-12	Functional Quality Assurance – A Cx Method For Innovative Systems	Ioannidis, M.	Link
ESL-IC-08-10-13	Saving Energy and Generating Energy with the Schüco E ² Façade	Zimmermann, F.	Link
ESL-IC-08-10-14	Ultra-Thin, Energy-Efficient Facades – a Contradiction in Terms?	Ebert, H.	Link
ESL-IC-08-10-15	Improving Indoor Air Quality Improves the Performance of Office Work and Schoolwork	Wargocki, P.	Link
ESL-IC-08-10-16	Energy and Climate Breakthroughs in the Real World – A Mixed Used Development in Ohio	Dillin, L.; Garforth, P.	Link
ESL-IC-08-10-17	Continuous Commissioning® Opportunities in Hospital and Laboratory Facilities	Jones, A.; Claridge, D. E.; Turner, W. D.; Deng, S.; Wei, G.; Zeig, G.	Link
ESL-IC-08-10-18	Green Building Performance Evaluation in the United States: Measured Results from LEED-New Construction Buildings	Hewitt, D.; Turner, C.; Frankel, M.	Link
ESL-IC-08-10-19	Development of an Information Flow Mechanism for Commissioning	Miyata, M.; Yoshida, H.; Yoshida, H.	Link

ESL-IC-08-10-20	A Twelve-Year, \$10 Million Energy Initiative Marching on: the Texas A&M University Campus Energy Systems CC*	Deng, S.; Claridge, D. E.; Turner, W. D.; Riley, J. G.; Williams, L.; Bruner, H. L.	Link
ESL-IC-08-10-21	Prospects to Reduce the Use of Energy by 50% in Existing Office Buildings	Dalenback, J.; Abel, E.	Link
ESL-IC-08-10-22	Green Building – Efficient Life Cycle	Kohns, R.	Link
ESL-IC-08-10-23	The Development of a Global Example – Our Headquarters are becoming a “Green Building”	Hagge, H.	Link
ESL-IC-08-10-24	Sustainability in Real Estate – “Do Green Buildings make Investors happy?”	Bode, R. F.	Link
ESL-IC-08-10-25	Green Building – Technological Approaches for Re-alization from an Investors Perspective based on the MUNICH RE Tower as an Example	Garzorz, H.	Link
ESL-IC-08-10-26	Energy Services for State Properties – German Experiences	Eikmeier, B.	Link
ESL-IC-08-10-27	Energy Efficiency in Buildings – the Utilities View	Konig, U.	Link
ESL-IC-08-10-28	Product and Process Modeling in Cx: A Significant Challenge for Digital-Cx	Akin, O.; Akinci, B.; Garrett, J.; Lee, K. J.	Link
ESL-IC-08-10-29	Simulation Models to Optimize the Energy Consumption of Buildings	Burhenne, S.; Jacob, D.	Link
ESL-IC-08-10-30	Simulated Energy Savings Comparison Between Two Continuous Commissioning* Methods Applied to a Retrofitted Office Building	Toole, C.; Xu, C.; Chen, Q.; Deng, S.; Turner, W. D.	Link
ESL-IC-08-10-31	A Control Scheme of Enhanced Reliability for Multiple Chiller Plants using Merged Building Cooling Load Measurement	Wang, S.; Sun, Y.; Huang, G.; Zhu, N.	Link
ESL-IC-08-10-32	An Innovative Approach Towards National Peak Load Management	Al-Mulla, A.; Maheshwari, G. P.; Al-Nakib, D.; ElSherbini, A.; Alghimlas, F.; Al-Taqi, H.; Al-Hadban, Y.	Link
ESL-IC-08-10-33	Building Energy Efficiency in China – Status, Trends, Targets, and Solutions	Xia, J.	Link
ESL-IC-08-10-34	The Robert L. Preger Intelligent Workplace and the Building as Power Plant/Invention Works	Hartkopf, V.	Link
ESL-IC-08-10-35	Office Buildings: Developer’s Requirements – Consultant’s Solutions	Forster, P.; Arndt, J.	Link
ESL-IC-08-10-36	Partnering as Success Factor: Optimal Design Quality Through the Early Integration of Construction and Operation Competences	Simsch, G.	Link
ESL-IC-08-10-37	The European Performance of Buildings Directive – Case Study: New Headquarters of the European Central Bank in Frankfurt am Main	Neeson, M.	Link
ESL-IC-08-10-38	Results of the Evaluation Study DeAL Decentralized Façade Integrated Ventilation Systems	Mahler, B.; Himmler, R.	Link
ESL-IC-08-10-38a	DeAL – Façade Integrated Ventilation Systems Evaluation Results from 12 Buildings in Operation	Scherder, D.	Link
ESL-IC-08-10-39	Operation Diagnosis for Buildings Connecting Building Management Systems with Energy Management Systems	Mehler, G.	Link
ESL-IC-08-10-40	Energy Saving and Good Quality Lighting for Indoor Applications	Lange, H.	Link
ESL-IC-08-10-41	Energy-Optimised Building – Experience and Future Perspectives from a Demonstration Programme in Germany	Voss, K.; Hans, O.; Lehmann, D.; Wagner, A.; Gossner, H.; Grunewald, J.; Petzold, H.; Herkel, S.; Pfafferott, J.; Neumann, C.	Link
ESL-IC-08-10-42	Busting the Myth that Green Costs More Green	Qualk, J. D.; McCown, P.	Link
ESL-IC-08-10-43	Continuous Commissioning* of Dallas/Fort Worth International Airport	Dennis, J. R.; Hodapp, R. T.; Kramer, L.; Deng, S.; Wei, G.; Turner, W. D.; Yazdani, B.; Baltazar, J.C.; Henson, R.; Schroeder, F.	Link
ESL-IC-08-10-44	The Cost-Effectiveness of Continuous Commissioning* Over the Past Ten Years	Bynum, J.; Claridge, D. E.; Turner, W. D.; Deng, S.; Wei, G.	Link
ESL-IC-08-10-45	Integral Design to Enhance Climate Equipment Performance: Flexergy	Zeiler, W.; Boxem, G.; van Houten, M. A.; Savanovic, P.; Wortel, W.; van der Velden, J. A. J.; de Haan, J. F.; Kamphuis, R.; Hommelberg, M.; Broekhuizen, H.	Link
ESL-IC-08-10-46	Individual User Behavior Leading Factor in Comfort Control	Zeiler, W.; Boxem, G.; van Houten, M. A.; Wortel, W.; van der Velden, J. A. J.; Kamphuis, R.; Hommelberg, M.; Broekhuizen, H.	Link
ESL-IC-08-10-47	Towards Zero Emissions CO ₂ -Reduction in Mediterranean Social Housing	Sabate, J.; Peters, C.; Vidal, J.; Cantos, S.; Cuchi, A.; Lopez, F.; Sagrera, A.; Wadel, G.	Link
ESL-IC-08-10-48	Sustainable Design Standards in India: The Excluded Issues	Gupta, K.; Haider, J.	Link
ESL-IC-08-10-49	Energy Optimized Wastewater Heat Recovery: Minimizing Losses and Maximizing Performance	Meggers, F.	Link
ESL-IC-08-10-50	Commissioning of a Coupled Earth Tube and Natural Ventilation System at the Acceptance Phase	Pan, S.; Zheng, M.; Yoshida, H.	Link
ESL-IC-08-10-51	FDD Algorithm for an AHU Reverse-Return System	Djuric, N.; Novakovic, V.	Link
ESL-IC-08-10-52	Black Box Approach for Energy Monitoring of Commercial Buildings	Komhard, S.; Neumann, C.	Link
ESL-IC-08-10-53	Methodology to Achieve Safety and Energy Savings in Laboratory Buildings	Odajima, T.; Numanaka, S.	Link
ESL-IC-08-10-54	Airside Economizer – Comparing Different Control Strategies and Common Misconceptions	Zhou, J.; Wei, G.; Turner, W. D.; Claridge, D. E.	Link
ESL-IC-08-10-55	Development of Optimization Tool for Air-Conditioning System Operation	Sumiyoshi, D.; Akashi, Y.	Link
ESL-IC-08-10-56	Smart Operations of Air-Conditioning and Lighting Systems in Government Buildings for Peak Power Reduction	Al-Hadban, Y.; Maheshwari, G. P.; Al-Nakib, D.; Al-Mulla, A.; Alasseri, R.	Link
ESL-IC-08-10-57	Preliminary Retro-Commissioning Study on Optimal Operation for the Heat Source System of a District Heating/Cooling Plant	Shingu, H.; Yoshida, H.; Wang, F.; Ono, E.	Link
ESL-IC-08-10-58	Simulation – Assisted Audit of An Air Conditioned Office Building	Bertagnolio, S.; Lebrun, J.; Hannay, J.; Silva, C. A.	Link

ESL-IC-08-10-59	Green-IT: Green Initiative for Energy Efficient, Eco-products in the Construction Industry	Bhar, R.	Link
ESL-IC-08-10-60	Monitoring and Optimization of Building Operations of a Low-Energy School Building	Koenigsdorff, R.; Heinrich, S.; Baumann, O.; Reiser, C.	Link
ESL-IC-08-10-61	The New House of the Region of Hannover – Building Energy Efficient in a Public Private Partnership	Schubert, T.; Plesser, S.	Link
ESL-IC-08-10-62	Evaluation and Optimization of Underground Thermal Energy Storage Systems of Energy Efficient Buildings (WKSP) – A Project Within the New German R&D-Framework <i>EnBop</i>	Bockelmann, F.; Kipry, H.; Plesser, S.; Fisch, M. N.	Link
ESL-IC-08-10-63	Moving Toward Zero Energy Buildings	Ginsberg, M.	Link
ESL-IC-08-10-64	Interdisciplinary Innovation and Vision in the HVAC	Hecker, T.	Link
ESL-IC-08-10-65	Initial and Continuous Commissioning of Building Automation and Control Systems (BACS) – Preview EN ISO 16484 –	Kranz, H. R.	Link
ESL-IC-08-10-66	European Union Energy Performance of Building Directive and the Impact of Building Automation on Energy Efficiency	Wirth, U.	Link
ESL-IC-08-10-67	Energy Savings and Comfort Improvements Through Plant- and Operation Mode Optimisation Demonstrated by Means of Project Examples	Muller, C.	Link
ESL-IC-08-10-68	Practical Experiences with the Implementation of the Energy Performance Buildings Directive in Central Europe	Therburg, I.	Link
ESL-IC-08-10-69	Synergy Between Building Rating Systems and Design Methodology for Intelligent and Green Buildings	Zeiler, W.; Boxem, G.	Link
ESL-IC-08-10-70	Improved Building Energy Performance Modelling Through Comparison of Measured Data with Simulated Results	Bambook, S.; Jacob, D.	Link
ESL-IC-08-10-71	Connecting Stakeholders Achieving Green	Rouse, S.; Nolan, B.	Link
ESL-IC-08-10-72	Behaviour Oriented Optimisation Strategies for Energy Efficiency in the Residential Sector	Koch, A.; Huber, A.; Avci, N.	Link
ESL-IC-08-10-73	Low Energy Office: Design and Evaluation	Schrag, T.; Waldhoff, C.; Radler, J.; Lenzen, B.	Link
ESL-IC-08-10-74	Simulation Support for Optimizing the Design and Operation of a Large Open-Space Office Building	Lain, M.; Hensen, J.; Zemlicka, J.	Link
ESL-IC-08-10-75	Retrofit Options for Increasing Energy Efficiency in Office Buildings – Methodology Review	Pereira, N. C.	Link
ESL-IC-08-10-76	Sustainable, Intelligent, Arcologic – A Futurist's Vision of Future Buildings	Steinmuller, K.	Link
ESL-PA-08-11-01	Moving-Boundary Heat Exchanger Models with Variable Outlet Phase, <i>ASME Journal of Dynamic Systems, Measurement, and Control</i> , vol. 130, No. 6, Nov. 2008.	Eldredge, B.D.; Rasmussen, B.P.; and Alleyne, A.	Link
ESL-PA-08-11-02	Moving-Boundary Heat Exchanger Models with Variable Outlet Phase, <i>ASME Journal of Dynamic Systems, Measurement, and Control</i> , vol. 130, No. 6, Nov. 2008.	Eldredge, B.D.; Rasmussen, B.P.; and Alleyne, A.	Link
ESL-TR-08-12-01	Energy Efficiency / Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Vol. I – Appendix, Annual Report to the TCEQ, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J. C.; Montgomery, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	Link
ESL-TR-08-12-02	Energy Efficiency / Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Vol. II – Appendix, Annual Report to the TCEQ, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J. C.; Montgomery, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	Link
ESL-TR-08-12-03	Energy Efficiency / Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Vol. III– Appendix, Annual Report to the TCEQ, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J. C.; Montgomery, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	Link
ESL-TR-08-12-04	Estimation of Annual Reductions of NOx Emissions in ERCOT for the HB3693 Electricity Savings Goals, <i>United States Environmental Protection Agency (EPA); Energy Systems Laboratory, Texas A&M University</i> .	Diem, A.; Mulholland, D.; Yarbrough, J.; Baltazar, J.C.; Im, P.; Haberl, J.	Link
ESL-TH-08-12-01	Optimization of Supply Air Temperature Reset Schedule for Single Duct VAV Systems, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Fan, Wenshu	Link
ESL-TH-08-12-02	Investigation of Consumption Data as a Predictive Tool for CC Assessments, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Hicks, Dave	Link
ESL-HH-08-12-01	Home Energy Ratings and Building Performance	Gardner, J. C.	Link
ESL-HH-08-12-02	Methodology for Residential Building Energy Simulations Implemented in the International Code Compliance Calculator (IC3)	Liu, Z.; Mukhopadhyay, J.; Malhotra, M.; Haberl, J.; Gilman, D.; Montgomery, C.; McKelvey, K.; Culp, C.; Yazdani, B.	Link
ESL-HH-08-12-03	Development of a Residential Code-compliant Web-based Calculator for Texas	Gilman, D.; Marshall, K.; Liu, Z.; Mukhopadhyay, J.; Stackhouse, R.; Cordes, J.; Montgomery, C.; McKelvey, K.; O'Neal, S.; Culp, C.; Haberl, J.; Yazdani, B.	Link

ESL-HH-08-12-04	An Analysis of the Residential Energy Savings from the Implementation of the 2001 IECC and 2006 NAECA Appliance Standards in the State of Texas	Mukhopadhyay, J.; Liu, Z.; Malhotra, M.; Haberl, J.; Gilman, D.; Montgomery, C.; Culp, C.; Yazdani, B.	Link
ESL-HH-08-12-05	Continuous Commissioning® and Energy Management Control Strategies at Alamo Community College District	Martinez, J. T.; Verdict, M.; Baltazar-Cervantes, J. C.; Strybos, J.	Link
ESL-HH-08-12-06	Evaluation of Vegetative Roofs' Performance on Energy Consumption in Hot and Humid Climates	Azarbayjani, M.; Anderson, J.	Link
ESL-HH-08-12-07	A Comparative Heat Transfer Examination of Structural Insulated Panels (SIPs) With and Without Phase Change Materials (PCMs) Using a Dynamic Wall Simulator	Medina, M. A.; Zhu, D.	Link
ESL-HH-08-12-08	Phase-Change Frame Walls (PCFWs) for On-Peak Demand Reduction, Load Shifting, and Energy Conservation and Comfort	Medina, M. A.; Stewart, R.	Link
ESL-HH-08-12-09	An Experimental Study of the Performance of PCM-Enhanced Cellulose Insulation Used in Residential Building Walls Exposed to Full Weather Conditions	Fang, Y.; Medina, M. A.; Evers, A.	Link
ESL-HH-08-12-10	Energy Impacts of Various Residential Mechanical Ventilation Strategies	Vieira, R. K.; Parker, D. S.; Gu, L.; Wichers, M.	Link
ESL-HH-08-12-11	Development of an ASHRAE 152-2004 Duct Model for the Single-Family Residential House	Kim, S.; Haberl, J.	Link
ESL-HH-08-12-12	Research Results from a Few Alternate Methods of Interiors Duct Systems in Factory Built Housing Located in the Hot Humid Climate	Moyer, N.; Hoak, D.; McIlvaine, J.; Chandra, S.; Stroer, D.	Link
ESL-HH-08-12-13	Airside Economizer - Comparing Different Control Strategies and Common Misconceptions	Zhou, J.; Wei, G.; Turner, W. D.; Claridge, D. E.	Link
ESL-HH-08-12-14	Semi-Empirical Screw Compressor Chiller Model	Nelson, I. C.; Culp, C.; Graves, R. D.	Link
ESL-HH-08-12-15	The Effects of Geometry on Flexible Duct CFD Simulations	Ugursal, A.; Culp, C.	Link
ESL-HH-08-12-16	Demand-based Optimal Control to Save Energy: A Case Study in a Medical Center	Joo, I. S.; Song, L.; Liu, M.; Carico, M.	Link
ESL-HH-08-12-17	Optimal Control in Three-Deck Multi-Zone Air-Handling Units: A Case Study	Joo, I. S.; Song, L.; Liu, M.; Douglas, B.	Link
ESL-HH-08-12-18	Assessment of the Effectiveness and Energy Efficiency of Humidity Control Approaches in Vacant Florida Homes	Cummings, J. B.; Withers, C. R.	Link
ESL-HH-08-12-19	Climate Change: Some Scientific and Political Realities	Crawford, J. G.	Link
ESL-HH-08-12-20	TEAMS: Indoor Air Quality (IAR) Program	Melton, V.	Link
ESL-HH-08-12-21	Climate Change Awareness Time Line: How Did We Get to Today?	Crawford, J. G.	Link
ESL-HH-08-12-22	Calculating Emissions Reductions from Renewable Energy Programs and Its Application to the Wind Farms in the Texas ERCOT Region	Liu, Z.; Haberl, J.; Baltazar, J.C.; Culp, C.; Yazdani, B.; Chandrasekaran, V.	Link
ESL-HH-08-12-23	An Overview of Building America Industrialized Housing Partnership (BAIHP) Activities in Hot-Humid Climates	Chandra, S.; Parker, D.; Sherwin, J.; Colon, C.; Martin, E.; McIlvaine, J.; Chasar, D.; Moyer, N.; Thomas-Rees, S.; Hoak, D.; Beal, D.; Gil, C.	Link
ESL-HH-08-12-24	Air Conditioner Efficiency Under Hot Dry and Hot Humid Conditions - The Utility Perspective	Amarnath, A.	Link
ESL-HH-08-12-25	The Economics of LEED-EB for Single Buildings and Building Portfolios	Army, M.	Link
ESL-HH-08-12-26	Analysis of Off-Grid, Off-Pipe Housing for Hot-Humid and Hot-Arid Climates	Malhotra, M.; Haberl, J.	Link
ESL-HH-08-12-27	Reducing Energy Use in Florida Buildings	Raustad, R. A.; Basarkar, M.; Vieira, R. K.	Link
ESL-HH-08-12-28	Analysis of the Energy Savings Potential in K-5 Schools in Hot and Humid Climates	Im, P.; Haberl, J.	Link
ESL-HH-08-12-29	Assessment of Solar Energy Conversion Technologies - Application of Thermoelectric Devices to Retrofit an Office Building	Azarbayjani, M.; Anderson, J.	Link
ESL-HH-08-12-30	Green and High Performance Factory Crafted Housing	Thomas-Rees, S.; Chasar, D.; Chandra, S.; Stroer, D.	Link
ESL-HH-08-12-31	Validation of the eCALC Commercial Code-Compliant Simulation Versus Measured Data from an Office Building in a Hot and Humid Climate	Cho, S.; Haberl, J.	Link
ESL-HH-08-12-32	Detailed Analysis of Thermal Mass Credits in a Code-Traceable DOE-2 Simulation of the 2001 IECC for a Single-Family Residence in Texas	Kim, S.; Haberl, J.	Link
ESL-HH-08-12-33	A Comparison of EnergyPlus to DOE-2.1E: Multiple Cases Ranging from a Sealed Box to a Residential Building	Andolsun, S.; Culp, C.	Link
ESL-HH-08-12-34	Development of Data Quality Control Limits for Data Screening Through the 'Energy Balance' Method	Masuda, H.; Baltazar, J.C.; Ji, J.; Claridge, D. E.	Link
ESL-HH-08-12-35	Energy Audit and Simulated Conservation Opportunities for a Renovated Mixed-Use Academic Building	Bejrowski, M.; Arnold, N.; Manteufel, R.; Rashed-Ali, H.	Link
ESL-HH-08-12-36	The BLOOMhouse: Zero Net Energy Housing	Garrison, M.; Krepart, R.; Randall, S.; Novoselac, A.	Link
ESL-HH-08-12-37	Design, Construction, Transportation, Operation and Post-Occupancy Analysis for the Texas A&M Solar Decathlon House	Malhotra, M.; Im, P.; Haberl, J.; Ramirez, E.; Cho, S.; Canez, J.; Schaidner, N.; Fisk, P.; Feigenbaum, L.	Link
ESL-HH-08-12-38	Case Studies of Systems Integration through Energy Simulation During Early Design Phase	Upadhyaya, K.; McLean, D.	Link
ESL-HH-08-12-39	Energy Performance Aspects of a Florida Green Roof, Part 2	Sonne, J.; Parker, D.	Link
ESL-HH-08-12-40	Condensate Water Collection for an Institutional Building in Doha, Qatar: An Opportunity for Water Sustainability	Bryant, J. A.; Ahmed, T.	Link
ESL-HH-08-12-41	Case Study of an Innovative HVAC System with Integral Dehumidifier	Raustad, R. A.; Shirey, D. B.	Link
ESL-HH-08-12-42	Study of the Outside Air Enthalpy Effects in the Screening of Metered Building Energy Data	Ji, J.; Baltazar, J.C.; Claridge, D. E.	Link
ESL-HH-08-12-43	AC System Equipment Specification, Installation and Operational Options for Improved Indoor Humidity Control	Shirey, D. B.	Link
ESL-PA-08-01-02	Performance of VAV Fan Powered Terminal Units: Experimental Results and Models for Parallel Units, <i>ASHRAE Transactions</i> , Vol. 114, Pt. 1, January 2008.	J. Furr, D. O'Neal, M. Davis, J. Bryant, and A. Cramlet	Link

ESL-PA-08-01-03	Performance of VAV Fan Powered Terminal Units: Experimental Results and Models for Series Units, <i>ASHRAE Transactions</i> , Vol. 114, Pt. 1, January 2008.	J. Furr, D. O'Neal, M. Davis, J. Bryant, and A. Cramlet	Link
ESL-PA-09-01-01	Pressure Losses in 12", 15" and 16" Non-Metallic Flexible Ducts with Compression and Sag (RP-1333), <i>ASHRAE Transactions</i> , Volume 115, Part 1.	Culp, C. H.; Cantrill, D.	Link
ESL-TR-09-01-01	Retrospective Testing of an Automated Building Commissioning Analysis Tool (ABCAT), <i>Energy Systems Laboratory, Texas A&M University</i> .	Claridge, D. C.; Lin, G.	Link
ESL-TR-09-02-01	Regional Energy Baselines and Measurement and Verification Protocols: Subtask 3.1 for the Southern Energy Efficiency Center (SEEC) <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Haberl, J.; Verdict, M.	Link
ESL-TR-09-02-02	Analysis of Emissions Calculations for the National Center of Excellence on Displaced Emission Reductions (CEDER), 2008 Annual Report to the US EPA, <i>Energy Systems Laboratory, Texas A&M University</i> .	Yazdani, B.; Culp, C.; Haberl, J.; Do, S. L.; Baltazar-Cervantes, J. C.	Link
ESL-PA-09-03-01	Reliability Design and Case Study of a Refrigerator Compressor Subjected to Repetitive Loads, <i>International Journal of Refrigeration</i> , Vol. 32, No. 3, pp. 478-486, March 2009.	Woo, S.; O'Neal, D. L.; Pecht, M.	Link
ESL-TR-09-03-01	SEEC- Regional Energy Baselines and Measurement and Verification Protocols, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Haberl, J.; Verdict, M.	Link
ESL-TR-09-04-01	Review and Recommendations of Existing Methods and Tools for Building Energy Analysis: Subtask 2.4 for the Southern Energy Efficiency Center (SEEC), <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Haberl, J.; Verdict, M.	Link
ESL-IE-09-05-01	Achieving Superior Energy Performance in US Manufacturing	Scheihing, P.	Link
ESL-IE-09-05-02	Results from the Texas Pilot Project on Superior Energy Performance	Ferland, K.	Link
ESL-IE-09-05-03	An SME's Perspective on Implementing the Superior Energy Performance Program	Waz, P.	Link
ESL-IE-09-05-04	Development of an International Standard for Energy Management	Meffert, B.; McKane A.	Link
ESL-IE-09-05-05	Environmental and Economical Evaluation of Integrating NGL Extraction and LNG Liquefaction Technology in Iran LNG Project	Manesh, M. H. K.; Mazhari, V.	Link
ESL-IE-09-05-06	ExxonMobil Global Energy Management System	Roberto, F.	Link
ESL-IE-09-05-07	Greenhouse Gas Programs, Energy Efficiency, and the Industrial Sector	Zhou, A.; Tutterow, V.; Harris, J.	Link
ESL-IE-09-05-08	Modeling Climate Change Policies in Canada and the U.S.: An Update	Roop, J. M.; Tubbs, W.J.	Link
ESL-IE-09-05-09	Incorporating Carbon in Energy Planning at Industrial Facilities	Smith, K.	Link
ESL-IE-09-05-10	Project Based Energy Conservation vs. Management Based Energy Conservation	Judy, K.; O'Brien, S.	Link
ESL-IE-09-05-11	An Operational Excellence Approach to Sustainable Energy Management	McMullan, A.	Link
ESL-IE-09-05-12	A Collaborative Model for a Sustainable Management System for Energy at Small to Medium Industrial Enterprises	Imel, M.; Gromacki, M.; Magoon, D.	Link
ESL-IE-09-05-14	A Ranking of State Combined Heat and Power Policies	Chittum, A.; Kaufman, N.	Link
ESL-IE-09-05-15	Suggested Treatment of CHP within an EERS Context	Chittum, A.; Elliott, R. N.; Trombley, D.; Watson, S.	Link
ESL-IE-09-05-16	Implementing CHP in Louisiana: A Case Study	Kozman, T. A.; Carriere, J. L.; Lee, J.	Link
ESL-IE-09-05-17	The Confusing Allure of Combined Heat and Power: The Financial Attraction and Management Challenge of Reducing Energy Spend and Resulting Carbon Emissions Through Onsite Power Generation	Davis, R.	Link
ESL-IE-09-05-18	Waste Heat Recovery Power Generation with WOWGen	Romero, M.	Link
ESL-IE-09-05-19	Meaningful Energy Efficiency Performance Metrics for the Process Industries	Kumana, J. D.; Sidhwa, N. R.	Link
ESL-IE-09-05-20	Integrating Energy Management and Lean Manufacturing	Stocki, M.	Link
ESL-IE-09-05-21	U.S. Department of Energy's Industrial Technology Program and Its Impacts	Weakley, S. A.; Roop, J. M.	Link
ESL-IE-09-05-22	A New, Stochastic, Energy Model of the U.S. is Under Construction: SEDS and Its Industrial Structure	Roop, J. M.	Link
ESL-IE-09-05-23	Corporate Energy Management Strategies for GHG Reduction & Improved Business Performance	Robinson, J. E.	Link
ESL-IE-09-05-24	Industrial Heat Pumps - A Reexamination in Light of Current Energy Trends	Lewis, N.; Simon, M.; Terry, S.; Leach, J.	Link
ESL-IE-09-05-25	Design of Heat Exchanger for Heat Recovery in CHP Systems	Kozman, T.; Kaur, B.; Lee, J.	Link
ESL-IE-09-05-26	Impact of New Federal Efficiency Performance Standards on the Industrial Motor Marketplace	Elliott, R. N.	Link
ESL-IE-09-05-27	Fan System Effects: How Fan Ductwork Design Impacts Overall System Efficiency and What the Approach Should be for Optimization	Martin, V.	Link
ESL-IE-09-05-28	Promising Areas for Energy Efficiency in Industrial Process	Joseph, B.	Link
ESL-IE-09-05-29	Utilizing Daylighting Controls in a Manufacturing Facility	Shrestha, S. S.; Maxwell, G. M.	Link
ESL-IE-09-05-30	Energy Savings in Industrial Buildings	Zhou, A.; Tutterow, V.; Harris, J.	Link
ESL-IE-09-05-31	Electrical and Production Load Factors	Sen, T.; Heffington, W. M.	Link
ESL-IE-09-05-32	Measuring Energy Efficiency Improvements in Industrial Battery Chargers	Matley, R.	Link
ESL-IE-09-05-33	A Texas Refinery Success Story	Kacsur, D.	Link
ESL-IE-09-05-34	A Louisiana Refinery Success Story	Kacsur, D.	Link
ESL-IE-09-05-35	Exergy Analysis of the Steam Network in Tehran Oil Refinery and Evaluation with New Scenario	Khodaei, H.; Taheri, R.; Arghandeh, R.	Link
ESL-IE-09-05-36	Optimizing Steam & Condensate System: A Case Study	Venkatesan, V. V.; Merritt, B.; Tully, R.C.	Link
ESL-IE-09-05-37	Determination of Baselines for Evaluation and Promotion of Energy Efficiency in Wastewater Treatment Facilities	Chow, S. A.; Ganji, A. R.; Fok, S.	Link
ESL-IE-09-05-38	Learn From What You Implemented	Cantwell, J. C.	Link
ESL-IE-09-05-39	Applications of Energy Efficiency Technologies in Wastewater Treatment Facilities	Chow, S.; Werner, L.; Wu, Y. Y.; Ganji, A.R.	Link
ESL-IE-09-05-40	Expanding the Industrial Assessment Center Program: Building an Industrial Efficiency Workforce	Elliott, R. N.	Link
ESL-IE-09-05-41	DOE's Industrial Assessment Centers (IAC) Program: Results and Benefits	Nimbalkar, S.; Martin, M.	Link
ESL-PA-09-06-01	A Model-Based Predictive Supervisory Controller for Multi-Evaporator HVAC Systems, <i>2009 American Control Conference</i> , St. Louis, MO, June 2009, pp. 3669 – 3674.	Elliott, M.S.; Rasmussen, B.P.	Link
ESL-PA-09-07-01	Development of a Web-based, Code-compliant 2001 IECC Residential Simulator for Texas, <i>2009 Building Simulation Conference</i> , International Building Performance Simulation Association (IBPSA), University of Strathclyde, Glasgow, Scotland.	Haberl, J.; Culp, C.; Yazdani, B.	Link
ESL-PA-09-07-02	Development of A High-Performance Office Building Simulation Model for a Hot and Humid Climate, <i>2009 Building Simulation Conference</i> , International Building Performance Simulation Association (IBPSA), University of Strathclyde, Glasgow, Scotland.	Cho, S.; Haberl, J.	Link
ESL-PA-09-07-03	Development of a Web-Based, Code-Compliant ASHRAE 90.1-1999 Commercial Simulation for Texas, <i>2009 Building Simulation Conference</i> , International Building Performance Simulation Association (IBPSA), University of Strathclyde, Glasgow, Scotland.	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Ahmad, M.; Kim, S.	Link
ESL-PA-09-07-04	Improving the Reliability of a Water Dispenser Lever in a Refrigerator Subjected to Repetitive Stresses, <i>Engineering Failure Analysis</i> , Vol. 16, Issue 5, pp. 1597 1606, July 2009.	Woo, S.; O'Neal, D. L.; Pecht, M.	Link

ESL-TH-09-08-05	Methodology to Develop and Test an Easy-To-Use Procedure for the Preliminary Selection of High-Performance Systems for Office Buildings in Hot and Humid Climates, <i>Doctoral Dissertation, Energy Systems Laboratory, Texas A&M University.</i>	Cho, Sooyeon	Link
ESL-TR-09-08-01	Analysis of Above-Code (2009 IECC) Residential Energy Efficiency Measures in ONCOR Service Area, <i>Energy Systems Laboratory, Texas A&M University.</i>	Kim, H.; Liu, Z.; Haberl, J.S.; Verdict, M.	Link
ESL-TR-09-08-02	Statewide Air Emissions Calculations from Wind and Other Renewables: Summary Report, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.S.; Liu, Z.; Baltazar-Cervantes, J.; Gilman, D.; Culp, C.; Yazdani, B.; Turner, D.; Chandrasekaran, V.	Link
ESL-TR-09-08-03	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP): Preliminary Report: Integrated NOx Emissions Savings from EE/RE Programs Statewide, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.S.; Culp, C.; Yazdani, B.; Gilman, D.; Lui, Z.; Baltazar-Cervantes, J.; Montgomery, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	Link
ESL-TR-09-08-04	2009 IECC Recommendations, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.S.; Culp, C.; Yazdani, B.; Claridge, D.	Link
ESL-PA-09-10-01	Evaporator Superheat Regulation via Emulation of Semi-Active Flow Control, <i>2009 Dynamic Systems and Control Conference</i> , Hollywood, CA, 2009.	Elliott, M.S.; Rasmussen, B.P.	Link
ESL-PA-09-11-02	Superheat Control: A Hybrid Approach, <i>HVAC&R Research</i> , vol. 15, no. 6, pp. 1021-1044, Nov. 2009.	Elliott, M.S.; Walton, Z.; Bolding, B.; Rasmussen, B.P.	Link
ESL-TR-09-11-01	Energy Savings and NOx Emissions Reduction Potential from the 2012 Federal Legislation to Phase Out Incandescent Lamps in Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Liu, Z.; Baltazar, J.C.; Haberl, J.; Soman, R.	Link
ESL-IC-09-11-01	Educational Buildings Stocks Refurbishment, a Double Opportunity: Massive Energy Savings, Education of Youngsters about Sustainable Development	Couillaud, N.	Link
ESL-IC-09-11-02	Energy Saving and CO ₂ Reduction Concept at Lufthansa Technik AG Hamburg	Fahs, J.P.	Link
ESL-IC-09-11-03	Real-Time Forecast Model Analysis of Daily Average Building Load for a Thermal Storage System Control	Song, L.; Joo, I.S.; Guwana, S.	Link
ESL-IC-09-11-04	Continuous Commissioning® of the Austin City Hall	Yagua, C.; Zhou, J.; Wei, G.; Deng, S.; Turner, D.; Parker, J.	Link
ESL-IC-09-11-05	Enernoc: Get more from Energy—Demand Response & Energy Efficiency	Enernoc Inc. ©	Link
ESL-IC-09-11-06	Case Study and Energy Performance Optimization for Dell Children's Medical Center of Central Texas	Risner, P.	Link
ESL-IC-09-11-07	Historical Survey of Daylighting Calculations Methods and Their Use in Energy Performance Simulations	Kota, S.; Haberl, J.	Link
ESL-IC-09-11-08	Estimation the Performance of Solar Fiber Optic Lighting System after Repairing the Glass Fiber Cables in a South Korean Residential Building	Cha, K.S.; Kim, T.K.; Park, M.S.	Link
ESL-IC-09-11-09	AIM: A Home-Owner Usable Energy Calculator for Existing Residential Homes	Marshall, K.; Moss, M.; Malhotra, M.; Liu, B.; Culp, C.; Haberl, J.; Herbert, C.	Link
ESL-IC-09-11-10	The Role of Carbon Finance in Enhancing Building Performance in Developing Countries	Li, J.	Link
ESL-IC-09-11-11	Energy Management Strategies for Existing Buildings	Gilmer, L.	Link
ESL-IC-09-11-12	Texas Facilities Commission's Facility Management Strategic Plan	Ramirez, J.	Link
ESL-IC-09-11-13	Implementation of Smart Operation Strategies for Air-Conditioning and Lighting Systems for Ministries Complex in the State of Kuwait	Al-Mulla, A.; Maheshwari, G.P.; Al-Nekib, D.; Ishaqali, H.	Link
ESL-IC-09-11-14	Chilled Water Thermal Storage System and Demand Response at the University of California at Merced	Granderson, J.; Dudley, J.; Kiliccote, S.; Plette, M.	Link
ESL-IC-09-11-15	Ontology Development for Low-Energy Building Embedded Commissioning	Jun Lee, K.; Akin, O.; Akinci, B.; Garrett, J.; Bushby, S.	Link
ESL-IC-09-11-16	A Study of the Effects of Unwanted Air Infiltration on Thermal Comfort at an Airport Terminal	Lander, B.; Wei, G.; Claridge, D.	Link
ESL-IC-09-11-17	Higher Education Facilities Management: Ready for Internalization?	Aizuddin, N.M.N.; Yahya, M.M.	Link
ESL-IC-09-11-18	Effects of Courtyard on Thermal Performance of Commercial Buildings in Hot-Dry Climate, Ahmedabad, India	Kumar, R.	Link
ESL-IC-09-11-19	Economic Life Cycle Assessment as Element of Sustainability Certification-A Key Success Factor Moving Beyond Life Cycle Costing	Trinius, W.; Trinius, I.; Hirsh, H.; Lakenbrink, S.	Link
ESL-IC-09-11-20	Real Time Monitoring: Achieving Energy Efficiency	Rouse, S.	Link
ESL-IC-09-11-21	Use of First Law Energy Balance as a Screening Tool for Building Energy Use Data: Experiences on the Inclusion of Outside Air Enthalpy Variable	Masuda, H.; Ji, J.; Baltazar, J.C.	Link
ESL-IC-09-11-22	The SCORE and CitySmart Programs: Sustaining Investment in High Performance Buildings in Schools and Cities	Kleinman, J.; McMinn, S.	Link
ESL-IC-09-11-23	Case Studies in Using Whole Building Interval Data to Determine Annualized Electrical Savings	Effinger, M.; Anthony, J.; Webster, L.	Link
ESL-IC-09-11-24	Continuous Commissioning of a LEED-EB Gold Certified Office Building	McCown, P.	Link
ESL-IC-09-11-25	Dynamic Thermal Modeling of a Radiant Panels System and its Environment for Commissioning: Application to Case Study	Diaz, N.F.; Bertagnolio, S.; Andre, P.	Link
ESL-IC-09-11-26	Continuous Commissioning of a Multipurpose Facility	Yagua, C.; Wei, G.; Napper, G.; Turner, D.	Link
ESL-IC-09-11-27	Integration of Continuous Commissioning as a Measure in LoanSTAR and Energy Services Contracts	Wei, G.; Zhou, J.; Turner, D.	Link
ESL-IC-09-11-28	Imagine An Energy Efficient Campus: Benchmarking Energy Use through ENERGY STAR		Link
ESL-IC-09-11-29	Green Homebuilding By Design- a Systems Approach	Pfeiffer, P.L.	Link
ESL-IC-09-11-30	Acoustical and Noise Control Criteria and Guidelines for Building Design and Operations	Evans, J.B.; Himmel, C.N.	Link
ESL-IC-09-11-31	Analysis of Energy Recovery Ventilator Savings for Texas Buildings	Christman, K.D.; Haberl, J.S.; Claridge, D.E.	Link
ESL-IC-09-11-32	Joint-Frequency Bins versus Conventional Bin Weather Data Analysis of HVAC System Operation	Jones, A.; Baltazar, J.C.; Claridge, D.E.	Link
ESL-IC-09-11-33	Achieving Sustainability, Energy Savings, and Occupant Comfort	Fisher, D.; Bristow, G.	Link
ESL-IC-09-11-34	Master Plan and Energy Audits at a Large Texas Medical Campus	Simpson, K.; Stinson, M.; Haag, S.; Hart, M.	Link

ESL-IC-09-11-35	Management of Power Demand Through Operations of Building Systems	EISherbini, A.I.; Maheshwari, G.; Al-Naqib, D.; Al-Mulla, A.	Link
ESL-IC-09-11-36	Recommendations for 15% Above-Code Energy Efficiency Measures on Implementing Houston Amendments to Single-Family Residential Buildings in Houston, Texas	Mukhopadhyay, J.; Liu, Z.; Malhotra, M.; Kota, S.; Blake, S.; Haberl, J.; Culp, C.; Yazdani, B.	Link
ESL-IC-09-11-37	Recommendations for 15% Above-Code Energy Efficiency Measures on Implementing Houston Amendments to Multifamily Residential Buildings in Houston, Texas	Mukhopadhyay, J.; Liu, Z.; Malhotra, M.; Kota, S.; Blake, S.; Haberl, J.; Culp, C.; Yazdani, B.	Link
ESL-IC-09-11-38	Development of DOE-2-Based Simulation Models for the Code-Complaint Commercial Construction Based on the ASHrae Standard 90.1	Kim, S.; Haberl, J.	Link
ESL-TH-09-12-01	Methodology for the Preliminary Design of High Performance Schools in Hot and Humid Climates, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University.</i>	Im, P.	Link
ESL-TH-09-12-02	An Analysis of Off-Grid, Off-Pipe Housing in Six U.S. Climates, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University.</i>	Malhotra, M.	Link
ESL-TH-09-12-03	Optimized Fan Control in Variable Air Volume HVAC Systems Using Static Pressure Resets: Strategy Selection And Savings Analysis, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Kimla, J.	Link
ESL-TH-09-12-05	Modeling of ECM Controlled Fan-Powered Terminal Units, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Edmondson, J.	Link
ESL-TH-09-12-06	Electrical and Production Load Factors, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Sen, T.; Heffington, W. M.	Link
ESL-TR-09-12-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume I – Summary Report, Annual Report to the Texas Commission on Environmental Quality, January 2008 – December 2008, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Liu, Z.; Baltazar-Cervantes, J. C.; Montgomery, C.; McKelvey, K.; Mukhopadhyay, J.	Link
ESL-TR-09-12-02	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume II – Technical Report, Annual Report to the Texas Commission on Environmental Quality, January 2008 – December 2008, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Liu, Z.; Baltazar-Cervantes, J. C.; Montgomery, C.; McKelvey, K.; Mukhopadhyay, J.	Link
ESL-TR-09-12-03	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume III –Appendix, Annual Report to the Texas Commission on Environmental Quality, January 2008 – December 2008, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Liu, Z.; Baltazar-Cervantes, J. C.; Montgomery, C.; McKelvey, K.; Mukhopadhyay, J.	Link
ESL-TR-09-12-04	Validation of the International Code Compliant Calculator (IC3) Using the RESNET Verifications Procedures (No. 07-003), <i>Energy Systems Laboratory, Texas A&M University.</i>	Malhotra, M.; Kim, H.; Liu, Z.; Haberl, J.S.	Link
ESL-TR-09-12-05	IC3 RESNET Accreditation User's Guide, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.S.; Malhotra, M.; Kim, H.; Yazdani, B.; Culp, C.	Link
ESL-TR-09-12-06	Final Report on Testing and Application of an Automated Building Commissioning Analysis Tool (ABCAT), <i>Energy Systems Laboratory, Texas A&M University.</i>	Claridge, D.; Lin, G.; Bynum, J.	Link
ESL-PA-09-11-01	Selecting PID Control Gains for Nonlinear HVAC Systems, <i>HVAC&R Research</i> , vol. 15, no. 6, pp. 991-1020, Nov. 2009.	Lim, DW, Rasmussen, B.P., Swaroop, D.	Link
ESL-PA-10-01-01	Demonstration of the use of Multimedia Electronic Information Enhancements for a Chapter Handbook CD-ROM: Rotating Cylinder & Scroll Compressor Animations (1017-RP), <i>ASHRAE Transactions-Research.</i>	Akleman, E.; Haberl, J.; Parke, F.; Skaria, S.; Halstead, J.; Andrews, M	Link
ESL-PA-10-01-02	Stable Controller Interpolation/Controller Switching for LPV Systems, <i>ASME Journal of Dynamic Systems, Measurement, and Control</i> , vol. 132, no. 1, paper 011007 (12 pages), Jan. 2010.	Rasmussen, B.P.; Chang, Y.J.	Link
ESL-TR-10-01-01	A Comparison of the Stringency of the 2001 IECC versus the 2009 IECC and 2009 IRC, <i>Energy Systems Laboratory, Texas A&M University.</i>	Liu, Z.; Mukhopadhyay, J.; Haberl, J.; Yazdani, B.; Culp, C.	Link
ESL-TR-10-03-01	Analysis of Emissions Calculators for the National Center of Excellence on Displaced Emissions Reduction (CEDER), <i>Energy Systems Laboratory, Texas A&M University</i>	Yazdani, B.; Culp, C.; Haberl, J.; Baltazar, J.C.; Do, S.	Link
ESL-PA-10-03-01	Failure Analysis and Redesign of the Evaporator Tubing in a Kimchi Refrigerator, <i>Engineering Failure Analysis</i> , Vol. 17, Issue 2, pp. 369-379, March 2010.	Woo, S.; O'Neal, D.; Pecht, M.	Link
ESL-PA-10-05-01	On Reducing Evaporator Superheat Nonlinearity with Control Architecture, <i>International Journal of Refrigeration</i> , vol. 33, no. 3, pp. 607-614, May 2010.	Elliott, M.S.; Rasmussen, B.P.	Link
ESL-TH-10-05-01	Methods for Rapid Estimation of Motor Input Power in HVAC Assessments, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Christman, K.	Link
ESL-TH-10-05-05	Parameter Estimation of Dynamic Air-Conditioning Component Models Using Limited Sensor Data, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Hariharan, N.; Rasmussen, B.P.	Link
ESL-TH-10-05-06	Gain Scheduled Control Using the Dual Youla Parameterization, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Chang, Y. J.; Rasmussen, B.	Link
ESL-IE-10-05-02	Multipollutant Removal with WOWClean® System	Romero, M.	Link
ESL-IE-10-05-03	Practical Solar Thermal Chilled Water	Leavell, B.	Link
ESL-IE-10-05-04	Compressed Air Systems Optimized: What Do You Really Need and How to Get It at the Lowest Total Cost	McAuley, J. G.; McAuley, J.	Link
ESL-IE-10-05-05	Energy Efficiency in Compressed Air Systems	Hingorani, A.; Pavlov, A.	Link
ESL-IE-10-05-07	Forecasting and Capturing Emission Reductions Using Industrial Energy Management and Reporting Systems	Robinson, J.	Link
ESL-IE-10-05-09	Integrated Energy and Greenhouse Gas Management System	Spates, C. N.	Link
ESL-IE-10-05-15	"Greening" Industrial Steam Generation via On-demand Steam Systems	Smith, J. P.	Link
ESL-IE-10-05-21	Energy Efficiency in BP's PTA Manufacturing Plants	Clark, F.	Link

ESL-PA-10-06-01	Reliability Design of a Reciprocating Compressor Suction Reed Valve in a Common Refrigerator Subjected to Repetitive Pressure Loads, <i>Engineering Failure Analysis</i> , Vol. 17, Issue 4, pp. 979-991, June 2010.	Woo, S.; O'Neal, D.; Pecht, M.	Link
ESL-PA-10-06-02	A Control Architecture Solution to Superheat Nonlinearity, <i>2010 American Control Conference</i> , Baltimore, MD, 2010.	Elliott, M.S.; Shenoy, B.; Rasmussen, B.P.	Link
ESL-PA-10-06-03	Parameter Estimation of HVAC Model with Limited Sensors, <i>2010 American Control Conference</i> , Baltimore, MD, 2010.	Hariharan, N.; Rasmussen, B.P.	Link
ESL-TR-10-06-01	2010 Texas Jurisdiction Energy Code Adoption Survey, <i>Energy Systems Laboratory, Texas A&M University</i> .	Energy Systems Laboratory	Link
ESL-TR-10-07-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP) Preliminary Report: Integrated NOx Emissions Savings from EE/RE Programs Statewide, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Liu, Z.; Baltazar, J.C.; Lewis, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	Link
ESL-PA-10-08-01	Identification of Parameters for Embodied Energy Measurement: A Literature Review, <i>Energy and Buildings</i> , Volume 42, pp. 1238-1247.	Dixit, M. K.; Fernández-Solís, J. L.; Lavy, S.; Culp, C. H.	Link
ESL-PA-10-08-02	AIM: Web-Based, Residential Energy Calculator for Homeowners, <i>Proceedings of the 4th SimBuild 2010, IBPSA-USA National Conference</i> , August 2010.	Marshall, K.; Moss, M.; Malhotra, M.; Liu, B.; Culp, C.; Haberl, J.; Herbert, C.; Good Company Associates Inc.	Link
ESL-PA-10-08-03	Energyplus Vs DOE-2: The Effects of Ground Coupleing on Heating and Cooling Energy Consumption of a Slab-On-Grade Code House in a Cold Climate, <i>Proceedings of the 4th SimBuild 2010, IBPSA-USA National Conference</i> August 2010.	Andolsun, S.; Culp, C.; Haberl, J.	Link
ESL-PA-10-08-04	Integrating Solar Thermal and Photovoltaic Systems in Whole Building Energy Simulation, <i>Proceedings of the 4th SimBuild 2010, IBPSA-USA National Conference</i> , August 2010.	Cho, S.; Haberl, J.	Link
ESL-PA-10-08-05	Analysis of the Energy Savings Potential in K-5 Schools in Hot and Humid Climates: Application of High Performance Measures and Renewable Energy Systems, <i>Proceedings of the 4th SimBuild 2010, IBPSA-USA National Conference</i> , August 2010.	Im, P.; Haberl, J.	Link
ESL-PA-10-08-06	Going Beyond RESNET Certification for Code-Compliant Simulations: A Comparison of Detailed Results of Three RESNET-Certified, Code-Compliant Residential Simulation Programs, <i>Proceedings of the 4th SimBuild 2010, IBPSA-USA National Conference</i> , August 2010.	Liu, Z.; Kim, H.; Malhotra, M.; Mukhopadhyay, J.; Baltazar, J.C.; Haberl, J.; Culp, C.; Yazdani, B.; Montgomery, C.	Link
ESL-PA-10-08-07	Simulated Building Energy Performance of Single Family Detached Residences Designed for Off-Grid, Off-Pipe Operation, <i>Proceedings of the 4th SimBuild 2010, IBPSA-USA National Conference</i> , August 2010.	Malhotra, M.; Haberl, J.	Link
ESL-PA-10-08-08	An Economic Survey of Hydrogen Production from Conventional and Alternative Energy Sources, <i>International Journal of Hydrogen Energy</i>	Bartels, J.; Olson, N.; Pate, M.	Link
ESL-TH-10-08-01	Improvements and Applications of the Methodology For Potential Energy Savings Estimation from Retro-Commissioning/Retrofit Measures, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Liu, J.	Link
ESL-TH-10-08-02	Modeling of ECM Controlled Series Fan-Powered VAV Terminal Units, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Yin, P.	Link
ESL-TR-10-08-01	Energy Efficiency, Cost Effectiveness, and Air Pollutant Reduction Analysis from Energy Efficiency and Renewable Energy (EE/RE) Projects in Texas Public Schools, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Liu, Z.; Mukhopadhyay, J.; Do, S.; Kim, K.; Baltazar, J.C.; Haberl, J.; Culp, C.; Yazdani, B.	Link
ESL-HH-10-08-01	Sustainable Performance...by Design (Presentation Only)	Bailey, N.	Link
ESL-HH-10-08-02	Sustainable Architectural Applications in the Gulf States-Post Occupancy Evaluation Case Study of Kingdom of Saudi Arabia	Ali, H.; Alfalah, G.	Link
ESL-HH-10-08-03	Analysis for the Design of a Sustainable Housing Complex in Haiti	Dinka, M.; Cho, S.	Link
ESL-HH-10-08-04	The Scales of Sustainable Design in Developing Nations (Presentation Only)	Quinn, S.; Cho, S.	Link
ESL-HH-10-08-05	A Regenerative High-Rise Tower in Shreveport, Louisiana	Garrison, M.	Link
ESL-HH-10-08-06	Development of a Calibration Methodology for Code-compliant Simulation of a Case Study House in a Hot and Humid Climate	Kim, K. H.; Haberl, J.	Link
ESL-HH-10-08-07	Development of the Potential Energy Savings Estimation (PESE) Toolkit	Liu, J.; Baltazar, J.C.; Claridge, D. E.	Link
ESL-HH-10-08-08	A Review of Ground Coupled Heat Pump Models Used in Whole-Building Computer Simulation Programs	Do, S.L.; Haberl, J.	Link
ESL-HH-10-08-09	Smart Grid Embedded Cyber Security: Ensuring Security While Promoting Interoperability (Presentation Only)	Ragsdale, G.	Link
ESL-HH-10-08-10	Internal Microclimate Resulting From Ventilated Attics in Hot and Humid Regions	Mooney, B. L.; Porter, W. A.	Link
ESL-HH-10-08-11	Performance Evaluation of Hot Water Efficiency Plumbing System Using Thermal Valve	Cha, K. S.; Park, M. S.; Seo, H. Y.	Link
ESL-HH-10-08-12	Technical and Economic Analysis of Solar Cooling Systems in a Hot and Humid Climate	Moaveni, H.	Link
ESL-HH-10-08-13	Natural Ventilation Applications in Hot-humid Climate: A Preliminary Design for the College of Design at NTUST	Lin, M. T.; Wei, H. Y.; Lin, Y. J.; Wu, H. F.; Liu, P. H.	Link
ESL-HH-10-08-14	Opportunities for Energy Conservation and Improved Comfort From Wind Washing Retrofits in Two-Story Homes - Part I	Withers, C. R. Jr.; Cummings, J. B.	Link
ESL-HH-10-08-15	Development of a Texas Building Registry	Gilman, D. R.; Haberl, J.; Kayati, M.; O'Neal, S.	Link
ESL-HH-10-08-16	A Comparative Analysis of Residential Energy Use for 2009 IECC Code Compliance and 2001 IECC Compliance with 2006 NAECA Appliance Standards for Selected Climate Zones in Texas	Mukhopadhyay, J.; Baltazar, J.C.; Liu, Z.; Haberl, J.; Culp, C.; Yazdani, B.	Link
ESL-HH-10-08-17	Exploring Cost-Effective, High Performance Residential Retrofits for Affordable Housing in the Hot Humid Climate	McIlvaine, J.; Sutherland, K.; Schleith, K.; Chandra, S.	Link
ESL-HH-10-08-18	The Southeast Energy Efficiency Alliance Green City Program Assisting Cities and Municipalities to Engage Customers and Develop Effective Energy Efficiency Programs	Taube, B.	Link
ESL-HH-10-08-19	Energy Efficiency/Renewable Energy (EERE) Projects in Texas Public Schools	Kim, H.; Liu, Z.; Baltazar, J.C.; Mukhopadhyay, J.; Haberl, J.; Do S.; Yazdani, B.; Culp, C.	Link
ESL-HH-10-08-20	The Oregon State University Kelley Engineering Center (Presentation Only)	Schroeder, B.	Link
ESL-HH-10-08-21	Low Impact, Affordable, Low Income Houses for Mexico	Alcocer, J. L. B.; Haberl, J.	Link

ESL-HH-10-08-22	Evaluation of Energy Efficiency Measures in Hot and Humid Climates	Zhao, Y.; Erwine, B.; Leonard, P.; Lee, A.; Pease, B.; Dole, A.	Link
ESL-HH-10-08-23	Rooftop Membrane Temperature Reductions with Green Roof Technology in South-Central Texas	Dvorak, B.	Link
ESL-PA-10-09-01	Gain Scheduled Control of an Air Conditioning System Using the Youla Parameterization, <i>IEEE Transactions on Control Systems Technology</i> , vol. 18, No. 5, pp. 1216-1225, Sept. 2010.	Rasmussen, B.P.; Alleyne, A.	Link
ESL-TR-10-09-01	Description and Comparison of the Results of the Proposed House: Habitat for Humanity at Frazier Court, Dallas, Texas with the 2004 IECC Standard Reference House, <i>Energy Systems Laboratory, Texas A&M University</i> .	Mukhopadhyay, J.; Zi Liu, Z.; Baltazar, J.C.; Haberl, J.; Culp, C.; Yazdani, B.	Link
ESL-TR-10-09-02	Energy Consumption Analysis of the Habitat For Humanity Homes at Frazier Court Dallas, Texas, Presentation	Mukhopadhyay, J.; Liu, Z.; Baltazar, J.C.; Haberl, J.; Lewis, C.; Yazdani, B.	Link
ESL-TR-10-09-03	Procedure for Packing Weather Files for DOE-2e, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, K.H.; Baltazar, J.C.	Link
ESL-TR-10-10-01	NOx Emissions Reduction From CPS Energy's "Save For Tomorrow Energy Plan" Within the Alamo Area Council of Governments Report to the Texas Commission of Environmental Quality, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Yazdani, B.; Lok D.; S.; Baltazar, J.C.	Link
ESL-IC-10-10-01	Green Buildings: Principles, Practices and Techniques - The French "HQE" Versus The American "LEED"	Gazze, K.; Mahfoudh, H. B.	Link
ESL-IC-10-10-02	Green Buildings and High-Performance for Sustainability in the Urban Zones of Contemporary Arab City	Ahmed, K. A. N.; Bakier, Z. A.	Link
ESL-IC-10-10-03	CDM as a Solution for the Present World Energy Problems (An Overview with Respect to the Building and Construction Sector)	Sudarsan, N.; Jayaraj, S.; Sreekanth, K. J.	Link
ESL-IC-10-10-04	Development and Construction of Bioclimatic Double Skin Active Facade for Hot and Humid Climate of UAE	Karbor, R. G.; Mohamed, I.	Link
ESL-IC-10-10-05	Energy Modeling of a High Performance Building in the U.A.E. for Sustainability Certification	Jones, M.; Ledinger, S.	Link
ESL-IC-10-10-06	GREEN ICT: How Can ICT Help to Go Green Buildings?	Khalil, E. E.; Kameel, R.	Link
ESL-IC-10-10-07	Energy Efficiency Challenges in Heating Supply System of Turkmenistan and Potential Solutions	Zomov, A.; Behnke, R.	Link
ESL-IC-10-10-08	Making Green Building Units By Using Some Wastes of Ceramic Industry	Abd El-Ghafor, N.G.	Link
ESL-IC-10-10-09	Recycle of Wastes of Clay Brick Industry for Producing Eco-cement	Amin, A. M	Link
ESL-IC-10-10-10	Developing New Components to Improve Energy Savings in Buildings by Using Phase Change Materials	Bontemps, A.; Dendievel, R.; Royon, L.; Sallee, H.	Link
ESL-IC-10-10-11	Assessment of the Energy Rating of Insulated Wall Assemblies - A Step Towards Building Energy Labeling	Elmahdy, H.; Maref, W.; Saber, H.; Swinton, M.; Glazer, R.	Link
ESL-IC-10-10-12	Improving Glass Walls Thermal Resistance In Air-Conditioned Buildings	Galal, T.; Kulaib, A. M.; Alajmi, R.; Al-Ansary, A.; Abuzaid, M.	Link
ESL-IC-10-10-13	The Energy-Navigator-A Web Based Platform for Quality Management in Buildings	Plessner, S. Pinkernell, C.; Fisch, N.; Rump, B.; Kurpick, T.	Link
ESL-IC-10-10-14	Operation of Energy-Efficient Air-Conditioned Buildings: An Overview	Khalil, E. E.	Link
ESL-IC-10-10-15	Building Optimisation: Re-commissioning Your Building to Deliver Peak Performance	Qazi, T.	Link
ESL-IC-10-10-16	Smart Operations of Air-Conditioning and Lighting Systems in a Government Buildings for Peak Power Reduction	Al-Hadban, Y.; Maheshwari, G. P.; Al-Nakib, D.; Al-Mulla, A.; Alasser, R.	Link
ESL-IC-10-10-17	Multi Agent System to Optimize Comfort and Energy Flows in the Built Environment	Pennings, L. W.; Houten, M. A.; Boxem, G.; Zeiler, W.	Link
ESL-IC-10-10-18	Energy Comparison Between Conventional and Chilled Water Thermal Storage Air Conditioning Systems	Sebzali, M.; Hussain, H. J.; Ameer, B.	Link
ESL-IC-10-10-19	Peak Power Reduction Strategies for the Lighting Systems in Government Buildings	Al-Nakib, D.; Al-Mulla, A. A.; Maheshwari, G. P.	Link
ESL-IC-10-10-20	Optimization of a Chilled Water Plant Using a Forward Plant Model	Zhang, Z.; Turner, W. D.; Chen, Q.; Xu, C.; Deng, S.	Link
ESL-IC-10-10-21	A Method to Determine the Optimal Tank Size for a Chilled Water Storage System Under a Time-of-Use Electricity Rate Structure	Zhang, Z.; Turner, W. D.; Chen, Q.; Xu, C.; Deng, S.	Link
ESL-IC-10-10-22	Intelligent Building Automation: A Demand Response Management Perspective	Qazi, T.	Link
ESL-IC-10-10-23	Identification of Market Requirements of Smart Buildings Technologies for High Rise Office Buildings	Reffat, R. M.	Link
ESL-IC-10-10-24	Sensor Types, Accuracy and the Proper Procedures for Point-To-Point Verification	Halfawi, H.	Link
ESL-IC-10-10-25	Formal Calibration Methodology for CFD Model Development to Support the Operation of Energy Efficient Buildings	Hajdukiewicz, M.; Keane, M.; O'Flynn, B.; O'Grady, W.	Link
ESL-IC-10-10-26	Antenna Beam Steering For Wireless Sensors Using Real Time Phase Shifter	Saha, S.; Unnikrishna, U.; Khanna, P.; Al-Attar, T.	Link
ESL-IC-10-10-27	Beam Shaping for Short-Range Wireless Sensor Application at 2.4GHz using 0.18 μ m Technology	Saha, S.; Unnikrishna, U.; Khanna, P.; Al-Attar, T.	Link
ESL-IC-10-10-28	Total Facility Control - Applying New Intelligent Technologies to Energy Efficient Green Buildings	Bernstein, R.	Link
ESL-IC-10-10-29	Utilizing New Binder Materials for Green Building has Zero Waste by Recycling Slag and Sewage Sludge Ash	Zedan, S. R.	Link
ESL-IC-10-10-30	Demand Side Energy Saving through Proper Construction Practices and Materials Selection	El-Hawary, M.	Link
ESL-IC-10-10-31	Thermal Performance of Building Envelope in Very Hot Dry Desert Region in Egypt (Toshky)	Khalil, M. H.; Sheble, S. S.; Helal, M. A.; El-Demirdash, M.	Link
ESL-IC-10-10-32	Thermal Performance of Exposed Composed Roofs in Very Hot Dry Desert Region in Egypt (Toshky)	Khalil, M. H.; Sheble, S.; Morsey, M. S.; Fakhry, S.	Link
ESL-IC-10-10-33	Implementation of Energy and Power Saving Scheme in The Avenues Mall	Al-Hadban, Y.; Maheshwari, G.; Al-Taqi, H. H.; Al-Nakib, D.; Alasser, R.	Link
ESL-IC-10-10-34	Sensitivity Analysis with Building Simulations to Support the Commissioning Process	Burhenne, S.; Elci, M.; Jacob, D.; Neumann, C.; Herkel, S.	Link
ESL-IC-10-10-35	Analysis of the Potential Energy Savings for 14 Office Buildings with VAV Systems	Claridge, D. E.; Liu, J.; Baltazar, J.C.	Link
ESL-IC-10-10-36	Occupancy Based Fault Detection on Building Level - A Feasibility Study	Tuip, B.; Houten, M.; Trcka, M.; Hensen, M.	Link

ESL-IC-10-10-37	Experimental Method to Determine the Energy Envelope Performance of Buildings	Berger, J.; Tasca-Guernouti, S. T.; Humbert, M.	Link
ESL-IC-10-10-38	Redesign of Electrical Installations to Maximize the Use of Photo Voltaic (PV) Cells at the End Use of Consumers in Kuwait	Alatrash, J.; Mhaisen, N.; Ismail, Z.	Link
ESL-IC-10-10-39	"Feasibility of Using VLS-PV Systems in the future Egyptian Cities; Case study "Suez Canal region"	El Sudany, M. M.; Rashed, A.; Sheta, S.	Link
ESL-IC-10-10-40	Technical and Energy Assessment of Building Integrated Photovoltaic Systems Applied to the UAE Office Buildings	Radhi, H.	Link
ESL-IC-10-10-41	Microcontroller Servomotor for Maximum Effective Power Point for Solar Cell System	Al-Khalidy, M.; Al-Rawi, O.; Noaman, N.	Link
ESL-IC-10-10-42	Green Weight	Al-Haji, A.; Al-Omair, A.	Link
ESL-IC-10-10-43	Solar Central Receiver with an Irising Aperture	Galal, T.; Kulaib, A. M.; Abuzaid, M.	Link
ESL-IC-10-10-44	Thermal Solar Energy Systems for Space Heating of Buildings	Gomri, R.; Boulkamh, M.	Link
ESL-IC-10-10-45	Enhancing Control of Built Assets through Computer Aided Design - Past, Present and Emerging Trends	Oommen, C.	Link
ESL-IC-10-10-46	Use of Computer Simulation to Reduce the Energy Consumption in a Tall Office Building in Dubai-UAE	Abu-Hijleh, B.; Abu-Dakka, M.	Link
ESL-IC-10-10-47	Energy Performance and Comfort Level in High Rise and Highly Glazed Office Buildings	Bayraktar, M.; Perino, M.; Yilmaz, A. Z.	Link
ESL-IC-10-10-48	Altering Design Decisions to Better Suit Facilities Management Processes	Jawdeh, H. B.; Abudul-Malak, M. A.; Wood, G.	Link
ESL-IC-10-10-49	Field Analysis of Thermal Comfort in Two Energy Efficient Office Buildings in Malaysia	Qahtan, A. T.; Keumala, N.; Rao, S. P.; Samad, Z. A.	Link
ESL-IC-10-10-50	Optimization of a Solar Chimney Design to Enhance Natural Ventilation in a Multi-Storey Office Building	Gontikaki, M.; Trcka, M.; Hensen, J.; Hoes, P. J.	Link
ESL-IC-10-10-51	Innovative Method for Performance Inspections Often Save 20-30% Through Optimization of Air-Conditioning and Refrigeration	Berglof, K.	Link
ESL-IC-10-10-52	Effectiveness of Shading Air-Cooled Condensers of Air-Conditioning Systems	ElSherbini, A.; Maheshwari, G. P.	Link
ESL-IC-10-10-53	Improving the Water Efficiency of Cooling Production System	Maheshwari, G.; Al-Hadban, Y.; Al-Taqi, H. H.; Alasser, R.	Link
ESL-IC-10-10-54	Energy Savings in Direct Evaporative Cooling: Real Application in the Madrid Metro and Simulated Application for Offices in Sydney	Simonetti, R.	Link
ESL-IC-10-10-55	Potential of Evaporative Cooling Systems for Buildings in India	Maiya, M. P.; Vijay, S.	Link
ESL-IC-10-10-56	Mass and Heat Recovery	Hindawai, S. M.	Link
ESL-IC-10-10-57	Applicability of Solar Airflow Windows	Hamed, M. S.; Friedrich, K.; Razaqpur, G.; Foo, S.	Link
ESL-IC-10-10-58	A Methodology For Calculating Integrated NOx Emissions Reductions from Energy Efficiency and Renewable Energy (EE/RE) Programs Across State Agencies in Texas	Haberl, J.; Liu, Z.; Baltazar, J.C.; Mukopadhyay, J.; Marshall, K.; Gilman, D.; Culp, C.; Yazdani, B.; Montgomery, C.; McKelvy, K.; Reid, V.	Link
ESL-IC-10-10-59	Analysis of Solar Passive Techniques and Natural Ventilation Concepts in a Residential Building Including CFD Simulation	Quince, N.; Ordonez, A.; Bruno, J. C.; Coronas, A.	Link
ESL-IC-10-10-60	A Statistical Model to assess Indirect CO2 Emissions of the UAE Residential Sector	Radhi, H.; Fikry, F.	Link
ESL-IC-10-10-61	Impact of Different Glazing Systems on Cooling Load of a Detached Residential Building at Bhubaneswar, India	Sahoo, P. K.; Sahoo, R.	Link
ESL-IC-10-10-62	Energy Efficient Residential Building Code for Arab Countries	Hanna, G. B.	Link
ESL-IC-10-10-63	Application of an ASHRAE 152-2004 Duct Model for Simulating Code-Compliant 2000/2001 IECC Residences	Haberl, J.S.; Kim, S.	Link
ESL-IC-10-10-64	Sustainability Assessment of Residential Building Energy System in Belgrade	Vucicevic, B.; Bakic, V.; Jovanovic, M.; Turanjanin, V.	Link
ESL-IC-10-10-65	Sustainability Evaluation of Resident Building in Bosnia and Herzegovina	Ziomusica, E.; Afgan, N.	Link
ESL-IC-10-10-66	Going Beyond a Resnet Certification for Code-Compliant Simulations: A Sensitivity Analysis of Detailed Results of Three Resnet-Certified, Code-Compliant Residential Simulation Programs	Haberl, J.; Liu, Z.; Mukhopadhyay, J.; Baltazar, J.C.; Culp, C.; Yazdani, B.; Montgomery, C.; Kim, H.	Link
ESL-IC-10-10-67	Research and Development with Full Scale Research	Sijpheer, N.; Bakker, E.J.; Opstelten, L.	Link
ESL-IC-10-10-68	Testing a Prototype Adsorption Cooler in a Research Dwelling	Sijpheer, N.; Bakker, E.J.; De Boer, R.	Link
ESL-IC-10-10-69	Investigations on Vapour Compression Air Conditioner with Direct Contact Desiccant Loop over Condenser and Evaporator	Maiya, M. P.; Ravi, J.; Tiwari, S.	Link
ESL-IC-10-10-70	National Energy Efficiency and Conservation Policies and Programs in Developed Countries and Middle East	Tyrer, C. F.	Link
ESL-IC-10-10-71	Enhancing Residential Building Operation Through its Envelope	Vazifeshenas, Y.; Sajjadi, H.	Link
ESL-IC-10-10-72	Operation of Energy Efficient Residential Buildings Under Indoor Environmental Quality Requirements	Medhat, A. A.; Khalil, E. E.	Link
ESL-IC-10-10-73	The Contemporary Architecture Design for the Housing Green Buildings and its Role in Saving Energy in the Arab City	Ahmed, K.; Barashed, K.	Link
ESL-IC-10-10-74	Attributes of Indoor Environmental Quality to Earth-sheltered Building Design	Sheta, S.	Link
ESL-IC-10-10-75	Exploring the Optimal Thermal Mass to Investigate the Potential of a Novel Low-Energy House Concept	Hoes, P. J.; Trcka, M.; Hensen, J.; Bonnema, B.	Link
ESL-IC-10-10-76	Evaluation on Cooling Energy Load with Varied Envelope Design for High-Rise Residential Buildings in Malaysia	Al-Tamimi, N.; Fadzil, S.	Link
ESL-IC-10-10-77	Life Cycle Cost Analysis of Waste Heat Operated Absorption Cooling Systems for Building HVAC Applications	Saravanan, R.; Murugavel, V.	Link
ESL-IC-10-10-78	Experimental Investigation of the Effect Of Zeolite Coating Thickness on the Performance of a Novel Zeolite-Water Adsorption Heat Pump Module	Dawoud, B.; Hofle, P.; Chmielewski, S.	Link

ESL-IC-10-10-79	Proposal for an Adsorption Solar-Driven Air-Conditioning Unit for Public Offices	Elsamni, O. A.; Sahmarani, K.J.; Obied, F. K.	Link
ESL-IC-10-10-80	Evaluation and Analysis of an Integrated PEM Fuel Cell with Absorption Cooling and Water Heating System for Sustainable Building Operation	Gadalla, M.; Ratlamwala, T.; Dincer, I.	Link
ESL-IC-10-10-81	Solar Energy to Drive Absorption Cooling Systems Suitable for Small Building Applications	Gomri, R.	Link
ESL-IC-10-10-82	Opportunities of Conserving Energy on an Existing Institutional Building: Case Study	Alajmi, A. F.	Link
ESL-IC-10-10-83	Cost Savings and Energy Reduction: Bi-Level Lighting Retrofits in Multifamily Buildings	Ackley, J.	Link
ESL-IC-10-10-84	Predicted vs. Actual Energy Savings of Retrofitted House	Al-Mofeez, I.	Link
ESL-IC-10-10-85	Importance of Measurement: The Impact of Power Quality in Energy Efficiency	Qazi, T.; Roy, S.	Link
ESL-IC-10-10-86	Energy Efficient Retrofits and Green Building Practices	Rahman, M.	Link
ESL-IC-10-10-87	Cost Effectiveness for Solar Control Film for Residential Applications	Al-Taqi, H. H.; Maheshwari, G. P.; Alasseri, R.	Link
ESL-IC-10-10-88	IAQ in Hospitals - Better Health Through Indoor Air Quality Awareness	Al-Rajhi, S.; Ramaswamy, M.; Al-Jahwari, F.	Link
ESL-IC-10-10-89	Victoria & Albert Museum- Medieval & Renaissance Galleries: A Passive Approach to Humidity Control	Lerpiniere, A.; Bingham, M.; Walker, S.	Link
ESL-IC-10-10-90	Physical and Chemical Characterization of Kuwaiti Atmospheric Dust and Synthetic Dusts: Effects on the Pressure Drop and Fractional Efficiency of HEPA Filters	Al-Attar, I.; Wakeman, R. J.; Tarleton, E. S.; Husain, A.	Link
ESL-IC-10-10-91	Effect of a Radiant Panel Cooling System on Indoor Air Quality of a Conditioned Space	Mohamed, E.; Abdalla, K. N.	Link
ESL-TR-10-11-01	Recommendations for 2009 IECC 15% Above Code Energy Efficiency Measures for Residential Buildings, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Liu, Z.; Baltazar, J.C.; Haberl, J.; Culp, C.; Yazdani, B.; Montgomery, C.	Link
ESL-TH-10-12-01	Analysis of Innovative HVAC System Technologies and Their Application for Office Buildings in Hot and Humid Climates, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Tanskyi, O.	Link
ESL-TH-10-12-02	Prediction of Room Air Diffusion for Reduced Diffuser Flow Rates, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Gangiseti, K.	Link
ESL-TH-10-12-03	Thermal Comfort Under Transient Metabolic and Dynamic Localized Airflow Conditions Combined with Neutral and Warm Ambient Temperatures, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University</i> .	Urgursal, A.	Link
ESL-TR-10-12-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP) Volume I-Summary Report, Annual Report to the Texas Commission on Environmental Quality, January 2009-December 2009, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Lewis, C.; Liu, Z.; Baltazar-Cervantes, J. C.; Mukhopadhyay, J.; Gilman, D.; Degelman, L.; McKelvey, K.; Claridge, D.	Link
ESL-TR-10-12-02	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP) Volume II- Technical Report, Annual Report to the Texas Commission on Environmental Quality, January 2009-December 2009, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Lewis, C.; Liu, Z.; Baltazar-Cervantes, J. C.; Mukhopadhyay, J.; Gilman, D.; Degelman, L.; McKelvey, K.	Link
ESL-TR-10-12-03	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP) Volume III- Technical Appendix, Annual Report to the Texas Commission on Environmental Quality, January 2009-December 2009, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Lewis, C.; Liu, Z.; Baltazar-Cervantes, J. C.; Mukhopadhyay, J.; Gilman, D.; Degelman, L.; McKelvey, K.	Link
ESL-TR-10-12-04	TCEQ Statewide Air Emissions Calculations From Wind and Other Renewables Summary Report, September 2009-August 2010, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Liu, Z.; Baltazar, J.C.; Gilman, D.; Culp, C.; Yazdani, B.; Claridge, D.; Mao, C.; Sun, Y.; Narayanaswamy, A.; Do, S.; Kim, K.	Link
ESL-TR-10-12-05	Validation of the International Code Compliant Calculator (IC3) v3.10 Using the RESNET Verification Procedures, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Baltazar, J.C.; Haberl, J.	Link
ESL-TH-10-05-02	The Persistence of Retro-Commissioning Savings in Ten University Buildings, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Toole, C.	Link
ESL-TH-10-05-03	Determination and Characterization of Ice Propagation Mechanisms on Surfaces Undergoing Dropwise Condensation, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Dooley, J. B.	Link
ESL-TH-10-05-04	Design of a Plasma Abatement System for Perfluorinated Compounds, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Butler, M.	Link
ESL-PA-11-01-01	Decentralized Model Predictive Control of a Multi-Evaporator Air Conditioning System, <i>NSF CMMI Grantees Conference, Atlanta, GA, 4-7</i>	Elliott, M.S.; Rasmussen, B.P.	Link
ESL-PA-11-01-02	Selecting PID Control Gains for Nonlinear HVAC&R Systems, <i>HVAC&R Research</i> , vol. 15, No. 6, pp. 991-1019, Nov. 2009.	Lim, D.; Rasmussen, B.P.; Swaroop, D.	Link
ESL-PA-11-01-03	Parameter Estimation of Vapor Compression Cycle Models Using Limited Sensor Information, <i>ASHRAE Transactions</i>	Hariharan, N.; Rasmussen, B.P.	Link
ESL-PA-11-06-01	Cascaded Superheat Control with a Multiple Evaporator Refrigeration System, <i>2011 American Control Conference</i>	Elliott, M.; Estrada, C.; Rasmussen, B.	Link
ESL-PA-11-11-01	Operating Characteristics of a High Efficiency Pilot Scale Corn Distillers Grains Dryer, <i>Applied Engineering in Agriculture</i>	Bern, C.; Pate, M.; Shivers, S.	Link
ESL-TR-11-01-01	Estimates of Energy Cost Savings Achieved from 2009 IECC Code-Compliant, Single Family Residences in Texas, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Baltazar, J.C.; Haberl, J.	Link
ESL-TR-11-02-02	2011 Texas Jurisdiction Energy Code Adoption Survey		Link
ESL-IE-11-05-01	Application of Real Options Analysis in the Valuation of Investment in Biodiesel Production	Yeboah, F. E.; Shahbazi, A.; Yeboah, O.A.; Singh, H.; Holcomb, F. H.	Link
ESL-IE-11-05-02	Distributed Wind – Economical, Clean Energy for Industrial Facilities	Trapanese, A.; James, F.	Link
ESL-IE-11-05-03	Industrial Energy Efficiency Achieving Success in a Difficult Environment	Castellow, C.	Link
ESL-IE-11-05-04	Compressor & Steam Turbine Efficiency Improvements & Revamping Opportunities	Hata, S.; Horiba, J.; Sicker, M.	Link
ESL-IE-11-05-05	Integrating Gas Turbines with Cracking Heaters – Impact on Emissions and Energy Efficiency	Platvoet, E.	Link

ESL-IE-11-05-06	Arkansas Industrial Energy Clearinghouse – Successes and Lessons Learned from Creation to Implementation	Nutter, D. W.; Harding, A. C.; McKnight, S.	Link
ESL-IE-11-05-07	Energy Efficiency Programs in West Virginia: A Partnership Approach	Cullen, K. A.; Crowe, E.; Gopalakrishnan, B.; Chaudhari, S.	Link
ESL-IE-11-05-08	Revitalization of a Steam Lab to Meet Energy Challenge and Strengthen Mechanical Engineering Education	Kozman, T.; Simon, W. E.; Guidry, J.; Liu, Y.	Link
ESL-IE-11-05-09	Energy Savings for Centrifugal Compressors	Fisher, D.	Link
ESL-IE-11-05-10	Reducing Emissions in Plant Flaring Operations	Duck, B.	Link
ESL-IE-11-05-11	Steam Basics: Use Available Data to Lower Steam System Cost	Risko, J. R.	Link
ESL-IE-11-05-12	Untapped Energy Savings from Cooling Towers	Phelps Jr., P.	Link
ESL-IE-11-05-13	A Generalized Method for Estimation of Industrial Energy Savings from Capital and Behavioral Programs	Luneski, R. D.	Link
ESL-IE-11-05-14	Crossing the Valley of Death: Policy Options to Advance the Uptake of Energy-Efficient Emerging Technologies in US Industry	Harris, J.; Bostrom, P.; Lung, R. B.	Link
ESL-IE-11-05-15	Economics of Plant Energy Savings Projects in a Changing Market	White, D. C.	Link
ESL-IE-11-05-16	Energy Efficiency and Behavior in Manufacturing	Trombley, D.; Foster, B.; Elliot, R. N.	Link
ESL-IE-11-05-17	Harnessing Smart Sensor Technology for Industrial Energy Efficiency- Making Process-Specific Efficiency Projects Cost Effective with a Broadly Configurable, Network-Enabled Monitoring Tool	Wiczor, J. J.; Wiczor, M. B.	Link
ESL-IE-11-05-18	Power Reliability at BASF Corporation	Theising, T. R.	Link
ESL-IE-11-05-19	Increase Your Boiler Pressure to Decrease Your Electric Bill: The True Cost of CHP	Downing, A.	Link
ESL-IE-11-05-20	Obstacles and Opportunity: Overcoming Barriers in Today's CHP Marketplace	Chittum, A.; Kaufman, N.	Link
ESL-IE-11-05-21	State Barriers to CHP Development	Chittum, A.; Kaufman, N.	Link
ESL-IE-11-05-22	Using and Measuring the Combined Heat and Power Advantage	John, T.	Link
ESL-IE-11-05-23	Comparison Study of Energy Intensity in the Textile Industry: A Case Study in Five Textile Sub-sectors	Hasanbeigi, A.; Hasanabadi, A.; Abdorrazaghi, M.	Link
ESL-IE-11-05-24	Optimizing Steam & Condensate System: A Case Study	Venkatesan, V. V.; Norris, C.	Link
ESL-IE-11-05-25	Thermodynamic Analysis of Combined Cycle District Heating System	Suresh, S.; Gopalakrishnan, H.; Kosanovic, D.	Link
ESL-IE-11-05-26	Get Better Energy Performance Improvement Projects using a Multi-Disciplinary Team	McMullan, A.	Link
ESL-IE-11-05-27	Implementing and Sustaining Operator Led Energy Efficiency Improvements	Hoyle, A.; Knight, N.; Rutkowski, M.	Link
ESL-IE-11-05-28	Results of an Enhanced Save Energy Now (SEN) Energy Assessment- A Case Study of a Steel Mini-Mill	Cullen, K. A.; Crowe, E.; Gopalakrishnan, B.; Chaudhari, S.	Link
ESL-IE-11-05-29	U.S. Department of Energy's Industrial Technologies Program and Its Impacts	Weakley, S. A.; Brown, S. A.	Link
ESL-IE-11-05-30	Contract Management Using Industrial Energy Management & Reporting Systems	Robinson, J. E.	Link
ESL-IE-11-05-31	Industrial Energy Audit Basics by an Energy Auditor	Phillips, J.	Link
ESL-IE-11-05-32	Compressed Air Audits: A Holistic Approach -Addressing the Air System as a Whole	Shaver, D.	Link
ESL-TH-11-08-01	Modeling Building Energy Use and HVAC Efficiency Improvements in Extreme Hot and Humid Regions	Bible, M.	Link
ESL-TH-11-08-02	Simulation and Validation of Vapor Compression System Faults and Start-up/Shut-down Transients	Ayyagari, B.	Link
ESL-TH-11-08-03	A Comparison of Fault Detection Methods For a Transcritical Refrigeration System	Janecke, A.K.	Link
ESL-TH-11-08-04	Optimization of Air Conditioning Cycling	Seshadri, S.	Link
ESL-IC-11-10-10	V&A Medieval & Renaissance Galleries: A Passive Approach to Humidity Control	Lerpiniere, A.	Link
ESL-IC-11-10-11	CO2 - Based Demand-Controlled Ventilation Control Strategies for Multi-Zone HVAC Systems	Nassif, N.	Link
ESL-IC-11-10-12	Airflow Characteristics of Direct-Type Kitchen Hood Systems in High-Rise Apartment Buildings	Park, M.	Link
ESL-IC-11-10-13	Improve Indoor Air Quality, Energy Consumption and Building Performance: Leveraging Technology to Improve All Three	Wiser, D.	Link
ESL-IC-11-10-14	A Probability Extension of PCA to Detect and Diagnose Sensor Faults in Air Handling Units	Li, Z.	Link
ESL-IC-11-10-15	Case Studies in Using Interval Data Energy Models for Savings Verification: Lessons from the Grocery Sector	Effinger, J.	Link
ESL-IC-11-10-17	Functional Verification through Operation Diagnostics	Burgoyne, B.	Link
ESL-IC-11-10-18	Energy-data Dashboards and Operators: Designing for Usability in New York City Schools	Bobker, M.	Link
ESL-IC-11-10-19	Automated Performance Management	Drees, K.	Link
ESL-IC-11-10-20	Bridging the Gap Between Commissioning Measures and Large Scale Retrofits in Existing Buildings	Bynum, J.; Jones, A.; Claridge, D.E.	Link
ESL-IC-11-10-21	A Systematic Methodology to Underpin the CC® Process Using Calibrated BES Models	White, G.; Keane, M.; Raftery, P.; Coakley, D.	Link
ESL-IC-11-10-22	The Role of Incentives in Building Controls Marketplace	Vanderpool, C.	Link
ESL-IC-11-10-23	The Sustainable Building-Accelerator	Maassen, W.H.	Link
ESL-IC-11-10-24	Global Energy, Environmental Trends and Challenges: The Need for Best Building Practices	Hartkopf, V.	Link
ESL-IC-11-10-25	Charting a Path to Net Zero Energy: Public- Private Sector Perspectives of the Commercial Buildings Consortium	Harris, J.	Link
ESL-IC-11-10-26	A Tale of Two Buildings: Achieving Energy Efficiency	Rouse, S.	Link
ESL-IC-11-10-27	Testing and Evaluation of a Power Factor Correction for Power-Savings Potential	Alotaibi, A.	Link
ESL-IC-11-10-28	Impacts of Some Building Design Parameters on Heat Pump Applications	Erdim, B.; Manioglu, G.	Link
ESL-IC-11-10-30	A Toolkit for Building Energy Consumption Data Quality Assurance/Quality Control	Baltazar, J.C.	Link
ESL-IC-11-10-31	Heat Balance Analysis to Validate the Heat Dissipation Rate of a Man-Made Lake as a Heat Rejection	Song, L.; Hayes, T.; Dawson, M.	Link
ESL-IC-11-10-32	Feasibility Study of Developing a Virtual Chilled Water Flow Meter at Air Handling Unit Level	Song, L.; Swamy, A.; Shim, G.	Link
ESL-IC-11-10-33	Database Supported Bacnet Data Acquisition System for Building Energy Diagnostics	Li, Z.; Augenbroe, G.	Link
ESL-IC-11-10-34	Cooling Energy Demand Evaluation by Means of Regression Models Obtained From Dynamic Simulations	Catalina, T.; Virgone, J.	Link
ESL-IC-11-10-35	Analysis Methodology for Large Organizations' Investments in Energy Retrofit of Buildings	Heo, Y.; Augenbroe, G.	Link
ESL-IC-11-10-36	Design of a Personalized Lighting Control System Enabled by a Space Model	Suter, G.; Petrushevski, F.; Sipetic, M.	Link
ESL-IC-11-10-37	State-based Modeling of Buildings and Facilities	Fisch, M.N.; Pinkernell, C.; Look, M.; Plesser, S.; Rumpe, B.	Link
ESL-IC-11-10-38	Simulation as a Tool to Develop Guidelines of Envelope Design of a Typical Office Building in Egypt	Samaan, M.M.; Ahmed, A.N.; Farag, O.M.A.; El-Sayed Khalil, M.	Link
ESL-IC-11-10-39	International Comparison of Energy Labeling and Standards for Energy Efficient and Green Buildings	Hennicke, P.; Shrestha, S.; Schleicher, T.	Link

ESL-IC-11-10-40	Intelligent Building Control System for EPBD Certification Support	Kabele, K.	Link
ESL-IC-11-10-41	Data Warehouse Model to Support Optimized Operation and Energy Savings in Buildings	Stack, P.; Cahill, B.; Manzoor, F.; Menzel, K.	Link
ESL-IC-11-10-43	Comprehensive Energy Management and CC® at DFW Airport	Kramer, L.	Link
ESL-IC-11-10-45	Application of CC® at a Corporate Headquarters Facility in Dallas, TX	Meline, K.; Kimla, J.	Link
ESL-IC-11-10-46	Systems Commissioning and Continuous Commissioning® for Tripler Army Medical Center	Schroeder, F.	Link
ESL-IC-11-10-48	Open Control Networking Systems for Smarter Building Operations—Fundamentals of SystemArchitecture and Design	Gibson, M.	Link
ESL-IC-11-10-49	LonMark Open Solutions: An Industry Update—New Products, Solutions, Educational Programs, Standards, and how They Affect the Future of Building	Bernstein, R.	Link
ESL-IC-11-10-51	MEW Efforts in Reducing Electricity and Water Consumption in Government and Private Sectors in Kuwait	Al-Tayar, I.	Link
ESL-IC-11-10-52	Building Energy Certification System: Application to a Building in Lisbon and Paths to a Future Enhanced Scheme	Nunes, P.; Carrilho da Graça, G.	Link
ESL-IC-11-10-53	Evaluation of the Heating & Cooling Energy Demand of a Case Residential Building by Comparing The National Calculation Methodology of Turkey and EnergyPlus through Thermal Capacity Calculations	Atmaca, M.	Link
ESL-IC-11-10-55	Efficiency Vermont's Enhanced Building Operations Programs	Lafamme, S.	Link
ESL-IC-11-10-56	Commissioning and Retro Commissioning Programs for Energy Efficiency	Kuklarni, A.	Link
ESL-IC-11-10-57	Electric & Gas Conservation Programs Connecticut Energy Efficiency Fund Programs for Commercial & Industrial Customers	Sermakekian, E.	Link
ESL-IC-11-10-58	Con Edison Commercial and Industrial Energy Efficiency Program	Pospisil, D.	Link
ESL-IC-11-10-60	An Approach to Facilities Operational Improvement	Taneja, O.	Link
ESL-IC-11-10-61	HP Steam Trap Monitoring	Pascone, S.	Link
ESL-IC-11-10-63	Drivers of Commercial Building Operator Skills	Domanski, J.	Link
ESL-IC-11-10-65	Statewide Electricity and Demand Capacity Savings from the Implementation of IECC Code in Texas: Analysis for Single-Family Residences	Kim, H.; Baltazar, J.C.; Haberl, J.; Lewis, C.; Yazdani, B.	Link
ESL-IC-11-10-66	Energy Savings and Persistence From an Energy Services Performance Contract at an Army Base	Kim, H.; Baltazar, J.C.; Haberl, J.; Lewis, C.; Yazdani, B.	Link
ESL-IC-11-10-67	Cost-Effective Energy Efficiency Measures for 15% Above 2009 IECC Code-Compliant House for Residential Buildings in TX	Kim, H.; Baltazar, J.C.; Haberl, J.; Lewis, C.; Yazdani, B.	Link
ESL-IC-11-10-68	Cost-Effective Energy Efficiency Measures for 15% Above 2009 IECC Code-Compliant House for Residential Buildings in TX	Kim, H.; Baltazar, J.C.; Haberl, J.; Lewis, C.; Yazdani, B.	Link
ESL-IC-11-10-69	The Persistence of Retro-Commissioning Savings in Ten University Buildings, Masters Thesis, Department of Mechanical Engineering, Texas A&M University	Toole, C. D.; Claridge, D.	Link
ESL-TR-11-11-01	Energy Efficiency / Renewable Energy (EE/RE) Projects in Texas Public Schools), <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Kim, H.; Mukhopadhyay, J.; Baltazar, J.C.; Cervantes, J.C.; Do, S.L.; Kim, K.H.; Lewis, C.; Yazdani, B. – Energy Systems Laboratory; Yarborough, J.; -U.S.E.P.A.	Link
ESL-KT-11-11-01	Sustainable Innovation	Armendariz, A.	Link
ESL-KT-11-11-02	EE/RE Legislative Outcomes from 82nd Texas Legislature	Zerrener, K. R.	Link
ESL-KT-11-11-03	Texas Emissions Reductions Program (TERP) Energy Efficiency/Renewable Energy (EE/RE) Update	Haberl, J.; Yazdani, B.; Culp, C.	Link
ESL-KT-11-11-04	Adverse Health Effects of Air Pollution	Haley, R. W.	Link
ESL-KT-11-11-05	Better Blocks	Roberts, J.	Link
ESL-KT-11-11-06	Fresh Water Conservation	Huffman, L.	Link
ESL-KT-11-11-07	Research Report Energy Efficiency Investments as anEconomic Productivity Strategy for Texas	Laitner, J. A.	Link
ESL-KT-11-11-08	Climate Science and Drought	Gordon, W.	Link
ESL-KT-11-11-09	Water Management Best Practices	Hoffman, H. W.	Link
ESL-KT-11-11-10	Green Infrastructure	Tidwell, J.	Link
ESL-KT-11-11-11	Green Streets/Safe Routes	Gietma, W.	Link
ESL-KT-11-11-12	Repositioning & Turnaround	Buckley, M.	Link
ESL-KT-11-11-13	TODs Result in Efficient Use of Land and Infrastructure	Morphis, A.	Link
ESL-KT-11-11-14	The Marriage of DR with Energy Efficiency Is A Good Thing	Wattles, P.	Link
ESL-KT-11-11-15	The Nuts & Bolts of Texas's Energy Efficiency Programs	Case, S.; Robertson, P; Simon, J.	Link
ESL-KT-11-11-16	Adaptation Plan	Durnbaugh, A.	Link
ESL-KT-11-11-17	McKinney Sustainability Plan	Smith, J.	Link
ESL-KT-11-11-18	Vision North Texas	Walz, K.	Link
ESL-KT-11-11-19	Parkland Health Care Campus	Jones, W.	Link
ESL-KT-11-11-20	Accommodating Electric Vehicles	Aasheim, D.	Link
ESL-KT-11-11-21	DOE "Discovery Across Texas" Project	Holloway, M.	Link
ESL-KT-11-11-22	Smart Grid	Haskell, B.	Link
ESL-KT-11-11-23	Cyber Security & Smart Grid	Shapiro, J.	Link
ESL-KT-11-11-24	Frazier Courts, Dallas	Hall, W.	Link
ESL-KT-11-11-25	Neighborhood Weatherization, Houston	Fowler, M.	Link
ESL-KT-11-11-26	M Station, Austin	Mathon, S.	Link
ESL-KT-11-11-27	Holistic Housing	Chatham, L.	Link
ESL-KT-11-11-28	UNT Apogee Stadium	Meline, K.	Link
ESL-KT-11-11-29	HKS Design Green	Sustainability Consulting Studio	Link
ESL-KT-11-11-30	Prairie Creek Branch Public Library, Dallas	Meckfessel, R.	Link
ESL-KT-11-11-31	Lighting and Daylight Harvesting	Bos, J.	Link
ESL-KT-11-11-32	Public Outreach	Roberts, J.	Link
ESL-KT-11-11-33	Low Impact Development without Regs	Adair, R.	Link
ESL-KT-11-11-34	Conservation: The Water We Don't Use	Guz, K.	Link
ESL-KT-11-11-35	Wastewater Reclamation/Wetlands	Hickey, D.	Link
ESL-KT-11-11-36	Efficiency Projects and Water Reuse	Pannell, B.	Link
ESL-KT-11-11-37	Waste to Energy: Biogas CHP	Wagner, R.	Link
ESL-KT-11-11-38	What's coming in 2012 codes	Lacey, E.	Link
ESL-KT-11-11-39	High Performance "Reach" Codes	Edelson, J.	Link
ESL-KT-11-11-40	New State Standards	Lopez, F. A.	Link

ESL-KT-11-11-41	Green Construction Codes	Blake, S.	Link
ESL-KT-11-11-42	SECO Programs	Trevino, E.	Link
ESL-KT-11-11-43	Performance Contracting	Goodin, E.	Link
ESL-KT-11-11-44	EPA's Financial and Technical Resources	Perea, S. M.	Link
ESL-KT-11-11-45	Financial and Technical Resources The HUD Perspective	Jensen, J.	Link
ESL-KT-11-11-46	Financial and Technical Resources for Completing Energy Efficiency Projects - The	Koski, D.	Link
ESL-KT-11-11-47	The Future of Technical Assistance, Funding and Finding Alternatives	Oliver, R.	Link
ESL-KT-11-11-48	The Secret Sauce for TOD	Goldin, S. E.	Link
ESL-KT-11-11-49	Bus Centric Rapid Transit	Banasiak, J.	Link
ESL-KT-11-11-50	DART System/Project Overview	Wierzenski, J.	Link
ESL-KT-11-11-51	Cooling Tower Efficiency	Hoffman, H. W.	Link
ESL-KT-11-11-52	Innovative Water Reuse	Jaber, F. H.	Link
ESL-KT-11-11-53	Comprehensive Irrigation Management	Cook, K.	Link
ESL-KT-11-11-54	Rainwater Harvesting & Other "LEEDing" Strategies at BRIT	Gunn, G.	Link
ESL-KT-11-11-55	Continuous Commissioning®	Culp, C.; Claridge, D. E.	Link
ESL-KT-11-11-56	DFW Airport	Dennis, J. R.	Link
ESL-KT-11-11-57	LED Lighting Retrofit	Shaw-Meadow, N.	Link
ESL-KT-11-11-58	Evalutaion of Energy Efficiency Measures for K-12	Hyojin, K; Haberi, J.; Baltazar, JC.; Mukhopadhyay, J.; Do, S.; Kim, K.; Lewis, C.; Yazdani, B.	Link
ESL-KT-11-11-59	School Energy Management	Wine, D.	Link
ESL-TH-11-12-01	Impact of Continuous Commissioning® on the Energy Star® Rating of Hospitals and Office Buildings, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Kulkarni, A.	Link
ESL-TH-11-12-02	Thermodynamic Modeling of HVAC Plant Cooling Equipment for Quantification of Energy Savings Through Continuous Commissioning Measures, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Rivera, S.	Link
ESL-TH-11-12-03	Methodology to Analyze the Sensitivity of Building Energy Consumption to HVAC System Sensor Error, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Ma, L.	Link
ESL-TH-11-12-04	Optimized Control Of Steam Heating Coils, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Ali, M. M.	Link
ESL-TR-11-12-01	Validation of the International Code Compliant Calculator (IC3) v3. 10.3 Using the RESNET Verification Procedures (No. 07-003), <i>Energy Systems Laboratory, Texas A&M University.</i>	Kim, H.; Baltazar, JC.; Haberi, J.S.	Link
ESL-TR-11-12-02	Volume I 2010 Annual Report, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberi, J.; Culp, C.; Yazdani, B.; Liu, Z.; Baltazar, JC.; Gilman, D.; Lewis, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.; McKelvey, K.; Claridge, D.	Link
ESL-TR-11-12-03	Volume II 2010 Annual Report, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberi, J.; Culp, C.; Yazdani, B.; Liu, Z.; Baltazar, JC.; Gilman, D.; Lewis, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	Link
ESL-TR-11-12-04	Volume III 2010 Annual Report - ENERGY EFFICIENCY/RENEWABLE ENERGY IMPACT IN THE TEXAS EMISSIONS REDUCTION PLAN (TERP) VOLUME III—TECHNICAL APPENDIX Annual Report to the Texas Commission on Environmental Quality January 2010-December 2010, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberi, J.; Culp, C.; Yazdani, B.; Liu, Z.; Baltazar, JC.; Gilman, D.; Lewis, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	Link
ESL-TR-11-12-05	Physical Building Information Modeling for Soalr Building Design and Simulation-Annual Report 2011	Yan, W.; Haberi, J.; Clayton, M. J.; Jeong, W.; Kota, S.; Kim, J. B.; Alcocer, J. L. B.; Dixit, M.	Link
ESL-TR-11-12-06	Assessing Savings from Group Measures Proposed by Houston Amendments for the 2009 IECC (Residential Provisions), <i>Energy Systems Laboratory, Texas A&M University.</i>	Mukhopadhyay, J.; Baltazar, JC.; Haberi, J.	Link
ESL-TR-11-12-07	Comparing the Commercial Requirements for the 2009 and 2012 IECC Codes for the State of Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Mukhopadhyay, J.; Baltazar, JC.; Ellis, S.; Haberi, J.	Link
ESL-TR-11-12-08	Comparison of DOE-2.1E With EnergyPlus and TRNSYS for Ground Coupled Residential Buildings in Hot and Humid Climates Stage 1, <i>Energy Systems Laboratory, Texas A&M University.</i>	Andolsun, S.	Link
ESL-TR-11-12-09	Comparison of DOE-2.1E With EnergyPlus and TRNSYS for Ground Coupled Residential Buildings in Hot and Humid Climates Stage 2, <i>Energy Systems Laboratory, Texas A&M University.</i>	Andolsun, S.	Link
ESL-TH-11-12-01	Impact of Continuous Commissioning® on the Energy Star® Rating of Hospitals and Office Buildings	Kulkarni, A.A.	Link
ESL-TH-11-12-02	Thermodynamic Modeling of HVAC Plant Cooling Equipment for Quantification of Energy Savings Through Continuous Commissioning Measures	Rivera, S.	Link
ESL-TH-11-12-03	Methodology to Analyze the Sensitivity of Building Energy Consumption to HVAC System Sensor Error	Ma, L.	Link
ESL-TH-11-12-04	Optimized Control Of Steam Heating Coils	Ali, M.M.	Link
ESL-PA-12-01-01	Multi-Parametric Tuning of Dynamic Air Conditioning Models Using Experimental Data, <i>2012 Dynamic Systems and Control Conference</i>	Liang, S.; Kaplan, M.; Rasmussen, B.	Link
ESL-PA-12-01-02	A Proposed Method of Test for Spoilage of Fruits and Vegetables, <i>ASHRAE Transactions</i>	Lineberry, K.; Pate, M.; Brehm-Stecher, B.	Link
ESL-PA-12-01-03	Field-Test of the New ASHRAE/CIBSE/USGBC Performance Measurement Protocols for Commercial Buildings: Basic Level, <i>ASHRAE Transactions-Research</i> , Vol. 118, Pt. 1	Kim, H. and Haberi, J.	Link
ESL-TR-12-01-02	Recommendations for 15% Above ASHRAE 90.1- 2007 Code-Compliant Building Energy Efficiency Measures for Small Office Buildings, <i>Energy Systems Laboratory, Texas A&M University.</i>	Kim, H.; Baltazar, JC.; Haberi, J.; Yazdani, B.	Link
ESL-TR-12-02-01	Comparison of DOE-2.1E With EnergyPlus and TRNSYS for Ground Coupled Residential Buildings in Hot and Humid Climates Stage 3, <i>Energy Systems Laboratory, Texas A&M University.</i>	Andolsun, S.	Link
ESL-TR-12-02-02	Comparison of DOE-2.1E With EnergyPlus and TRNSYS for Ground Coupled Residential Buildings in Hot and Humid Climates Stage 4, <i>Energy Systems Laboratory, Texas A&M University.</i>	Andolsun, S.	Link
ESL-TR-12-02-03	A Methodology for Calculating Integrated Nox Emissions Reductions from Energy Efficiency and Renewable Energy (EE/RE) Programs Across State Agencies in Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberi, J.	Link
ESL-TH-12-02-01	Determining Pressure Losses For Airflow In Residential Ductwork	Weaver, K.	Link

ESL-TR-12-03-01	Recommendations for 15% above ASHRAE 90.1-2007 Code-Compliant Building Energy Efficiency Measures for Small Retail Buildings, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Kim, K.; Baltazar, JC.; Haberl, J.S.; Yazdani, B.	Link
ESL-TR-12-03-03	Thermal Mass Modeling: How We Got to Where We Are Today (presentation), <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Baltazar, JC.; Mao, C.	Link
ESL-TR-12-04-01	Quantification of Energy and Emissions Saved in Energy Efficiency/Renewable Energy (EE/RE) Programs in Texas (presentation), <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.	Link
ESL-TR-12-04-02	Comparisons between TRNSYS Software Simulation and PV F-Chart Program on Photovoltaic System, <i>Energy Systems Laboratory, Texas A&M University</i> .	Mao, C.; Baltazar, JC.; Haberl, J.	Link
ESL-TR-12-04-03	Comparisons between TRNSYS Software Simulation and F-Chart Program on Pool Heating System, <i>Energy Systems Laboratory, Texas A&M University</i> .	Mao, C.; Baltazar, JC.; Haberl, J.	Link
ESL-IE-12-05-01	Understanding and reducing energy and costs in industrial cooling systems	Muller, M.R.; Muller, M.B.	Link
ESL-IE-12-05-02	Obstacles and Opportunity: Turbine Motorization in Refineries Today	Feng, Hua; Liu, Jinghui; Liu, Xiang; Ahmad, Mushtaq; Deng, Alan	Link
ESL-IE-12-05-03	Capture Utility Savings Using Energy Management and Reporting Systems (EMRS)	Robinson, James E.	Link
ESL-IE-12-05-04	Introducing an Online Cooling Tower Performance Analysis Tool	Muller, M.R.; Muller, M.B.; Rao, P.	Link
ESL-IE-12-05-05	Opportunities and Barriers in the Implementation of Energy Efficiency Measures in Plastic Manufacturing	Kanunho, A.; Yong, J. C.	Link
ESL-IE-12-05-06	Manufacturing Energy and Carbon Footprints	Brueske, S.; Lorenz, T.	Link
ESL-IE-12-05-07	A Review of Emerging Energy-efficiency and CO2 Emission-reduction Technologies for Cement and Concrete Production	Hasanbeigi, A.; Price, L.; Lin, E.	Link
ESL-IE-12-05-08	Case Study of Optimal Byproduct Gas Distribution in Integrated Steel Mill Using Multi-Period Optimization	Mäkinen, K.; Kymäläinen, T.; Junttila, J.	Link
ESL-IE-12-05-09	Energy Audit Equipment	Phillips, J.	Link
ESL-IE-12-05-11	Why Pressure Reducing Valves (PVR's) are costing you money	Downing, A.	Link
ESL-IE-12-05-12	Intelligent Efficiency: the Next Generation of Energy Efficiency	Trombley, D.; Molina, M.; Elliot, R. N.	Link
ESL-IE-12-05-13	ISO 50001 versus Superior Energy Performance: Making Sense of Each for your Situation	Gilless, D.; Goldstein, D.; Skees-Gregory, D.; Brown, K.; Holmes, L.	Link
ESL-IE-12-05-14	U.S. Department of Energy's Advanced Manufacturing Office and Its Impacts	Weakley, S. A.; Steel, L. M.	Link
ESL-IE-12-05-15	MEPs as an Energy Efficiency Channel	Arzbaecher, C.; Gilless, C.; Parmenter, K.; Fretz, C.; Wallner, J.	Link
ESL-IE-12-05-16	GO Energy Efficiency Program	Al-Dossary, F. S.	Link
ESL-IE-12-05-17	Power Reliability at BASF Corporation	Theising, T. R.	Link
ESL-IE-12-05-18	Coal Retirements: Defining the Need and the Efficiency Opportunity	Chittum, A.; Farley, K.; Elliot, R. N.	Link
ESL-IE-12-05-19	A novel approach to heat transfer enhancement using trapezoid shaped spiral strips to promote tumble and swirl in a slot shaped channel used in heat exchangers	Segura, D.; Acharya, S.	Link
ESL-IE-12-05-20	Optimal sequencing of a cooling tower with multiple cells	Zhang, Z.; Liu, J.	Link
ESL-IE-12-05-21	Heat Integration and Heat Recover at a Large Chemical Manufacturing Plant	Togna, K. A.	Link
ESL-IE-12-05-22	Development of a Software System to Facilitate Implementation of Coal and Wood Co-Fired Bilers	Gopalakrishnan, B.; Gump, C. D.; Gupta, D. P.; Chaudhari, S.	Link
ESL-PA-12-06-01	Neighbor-Communication Model Predictive Control and HVAC Systems, <i>2012 American Control Conference</i>	Elliott, M.; Rasmussen, B.	Link
ESL-PA-12-06-02	Field-Test of the New ASHRAE/CIBSE/USGBC Performance Measurement Protocols: Intermediate and Advanced Level Indoor Environmental Quality Protocols, <i>ASHRAE Transactions-Research</i> , Vol. 118, Pt. 2	Kim, H.; and Haberl, J.	Link
ESL-PA-12-07-01	Secondary Control Strategies for Cycling of Air Conditioning and Refrigeration Systems, <i>ASHRAE Transactions</i>	Sheshadri, S.; Rasmussen, B.	Link
ESL-TR-12-07-01	Statewide Air Emissions Calculations from Wind and Other Renewables. Summary Report, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Baltazar, JC.; Yazdani, B.; Culp, C.; Claridge, D.; Mao, C.; Do, S.L.	Link
ESL-TH-12-07-01	A Quasi-Dynamic HVAC and Building Simulation Methodology	Davis, C.	Link
ESL-TR-12-08-01	Detailed Stringency Analysis of Suggested Amendments to Chapter II of the 2012 IRC and the 2012 IECC that were Submitted to SECO During March 30-April 30, 2012 Comment Period, <i>Energy Systems Laboratory, Texas A&M University</i> .	Mukhopadhyaya, J.; Baltazar, JC.; Haberl, J.; Yazdani, B.	Link
ESL-TR-12-08-02	Report on High Performance Building's Energy Modeling Physical Building Information Modeling for Solar Building Design and Simulation, <i>Energy Systems Laboratory, Texas A&M University</i> .	Bermudez Alcocer, J.L.; Haberl, J.	Link
ESL-TH-12-08-01	Control and Optimization of Vapor Compression Cycles Using Recursive Least Squares Estimation	Rani, A.	Link
ESL-PA-12-10-01	Review Article: Dynamic Modeling of Vapor Compression Systems – Part I: Literature Review, <i>HVAC&R Research</i>	Rasmussen, B.	Link
ESL-PA-12-10-02	Review Article: Dynamic Modeling of Vapor Compression Systems – Part II: Simulation Tutorial, <i>HVAC&R Research</i>	Rasmussen, B.	Link
ESL-TR-12-10-01	Assessment of the Proposed Amendments to the 2012 IECC Provided by the North Central Texas Council of Governments (NCTCOG). <i>Energy Systems Laboratory, Texas A&M University</i> .	Mukhopadhyay, J.; Baltazar, JC.; Zilbershtein, G.; Haberl, J.; Yazdani, B.	Link
ESL-IC-12-10-01	Statewide Emissions Reduction, Electricity and Demand Savings from the Implementation of Building-Energy-Codes in Texas (Paper)	Yazdani, B.; Haberl, J.; Kim, H.; Baltazar, JC.; Zilbershtein, G.	Link
ESL-IC-12-10-02	Two Similarity Measure Approaches to Whole Building Fault Diagnosis	Lin, G.; Claridge, D.	Link
ESL-IC-12-10-03	The Potential and Challenges of Monitoring-Supported Energy Efficiency Improvement Strategies in Existing Buildings	Schub, M.; Mahdavi, A.; Simonis, H.; Menzel, K.; Browne, D.	Link
ESL-IC-12-10-04	Estimation of Building Parameters Using Simplified Energy Balance Model and Metered Whole Building Energy Use	Masuda, H.; Claridge, D.	Link
ESL-IC-12-10-05	Energy Star for Hospitals 2011 Update: Progression or Regression?	Travis, B.	Link
ESL-IC-12-10-06	Predicting System Performance with Uncertainty	Yan, B.; Malkawi, A.	Link
ESL-IC-12-10-07	Continuous Commissioning® for a LEED-NC Certified Museum and Cultural Center	Zheng, K.	Link
ESL-IC-12-10-08	Identification of Changes Needed in Supermarket Design for Energy Demand Reduction	Hill, F.; Edwards, R.; Levermore, G.	Link
ESL-IC-12-10-09	BaaS Project: Covering the Building Design and Operational-Phase Interoperability Gap	Valmaseda, C.; Garcia, M.; Hernandez, J.; Martin, S.	Link

ESL-IC-12-10-10	Development of an Automated Fault Detection and Diagnosis tool for AHU's	Bruton, K.; Raftery, P.; Aughney, N.; Keane, M.; O'Sullivan, D.	Link
ESL-IC-12-10-11	Insights into Improving the Energy Performance of Buildings Taken from UK Case Studies in the Domestic and Education Sectors	Bunker, G.; Wright, A.; Greenough, R.; Shao, L.; Hernandez, J.; Kerrigan, R.	Link
ESL-IC-12-10-12	LESSONS	Bunker, G.	Link
ESL-IC-12-10-13	Comparison of Two Statistical Approaches to Detect Abnormal Building Energy Consumption with Simulation Test	Lin, G.; Claridge, D.	Link
ESL-IC-12-10-14	Model Based Building Chilled Water Loop Delta-T Fault Diagnosis	Wang, L.; Watt, J.; Zhao, J.	Link
ESL-IC-12-10-15	Supermarket Energy Retrofit	Dazeley, J.	Link
ESL-IC-12-10-16	What's an ideal energy efficiency project?	Dazeley, J.	Link
ESL-IC-12-10-17	Energy Wheel Performance and Optimization Opportunities for SDVAV AHU's In a Hot & Humid Climate	Zhao, J.; Wang, L.; Watt, J.	Link
ESL-IC-12-10-18	Recent advances in the development of MOST: an open-source, vendor and technology independent toolkit for building monitoring, data preprocessing and visualization	Glawischign, S.; Appel, R.; Zach, R.; Mahdavi, A.	Link
ESL-IC-12-10-19	Understanding and Improving Household Energy Consumption and Carbon Emissions Policies – A System Dynamics Approach	Oladokun, M.; Motawa, I.; Banfill, P.	Link
ESL-IC-12-10-20	Building Information Modeling (BIM), Utilized During the Design and Construction Phase of a Project Has the Potential to Create a Valuable Asset in Its Own Right ("BIMASSET") at Handover that in Turn Enhances the Value of the Development	Patrick, R.; Munir, M.; Jeffrey, H.	Link
ESL-IC-12-10-21	Micro Level Data Analysis in Continuous Commissioning®: A Case Study	Khan, S.; Bible, M.	#VALUE!
ESL-IC-12-10-22	Making your Building Smarter : The Retrofit Challenge	Brady, N.	Link
ESL-IC-12-10-23	Strategic Facilities Management Using Public and Private Funding for Energy Projects: A Case Study	Khan, S.; Bible, M.; Strybos, J.	Link
ESL-IC-12-10-24	Integration of CC®, IAQ, and EM for an Optimum and Proactive Energy Performance at Alamo Colleges, San Antonio, Texas.	Rangel, N.; O'Neal, S.; Martinez, J.; Strybos, J.	Link
ESL-IC-12-10-25	Ongoing Commissioning of a high efficiency supermarket with a ground coupled carbon dioxide refrigeration plant	Réhault, N.; Kalz, D.	Link
ESL-IC-12-10-26	Supermarket with Ground Coupled Carbon Dioxide Refrigeration Plant	Réhault, N.	Link
ESL-IC-12-10-27	Optimizing the Low Temperature Cooling Energy Supply: Experimental Performance of an Absorption Chiller, a Compression Refrigeration Machine and Direct Cooling – a Comparison	Uhrhan, S.; Gerber, A.	Link
ESL-IC-12-10-28	NABERS: Lessons from 12 Years of Performance Based Ratings in Australia	Bannister, P.	Link
ESL-IC-12-10-29	Sustainable School Buildings: Some of the Latest Dutch Examples of Nearly zero Emissions Buildings	Zeiler, Wim; Boxem, Gert; Waard, Mark de	Link
ESL-IC-12-10-30	Wireless Sensor Technology to Optimize the Occupant's Dynamic Demand Pattern Within the Building	Zeiler, Wim; Boxem, Gert; Waard, Mark de	Link
ESL-IC-12-10-31	Achieving Energy Performance in Spite of Complex Systems and Dis-Jointed Design	Ardren1, Caoimhin; Bannister2, Paul	Link
ESL-IC-12-10-32	The Human leading the Thermal Comfort Control	Zeiler, Wim; Boxem, Gert; van Houten, Rinus; Visser, Derek; Maaijen, Rik	Link
ESL-IC-12-10-33	Investigation of a Novel Solar Assisted Water Heating System with	Zhang, Xingxing; Zhao, Xudong; Xu, Jihuan; Yu, Xiaotong	Link
ESL-IC-12-10-34	Strategies for Smart Building Realisation	Mani Manivannan	Link
ESL-IC-12-10-35	Designing Zero Energy Building for Tehran	Mirkhani, N.; Sadoughi, S.; Eshraghi, J.; Narjabadi, N.; Nakhaei, A.	Link
ESL-IC-12-10-36	IZ-CON: An Intelligent Zone Controller for Building Systems Operation	Mahdavi, A.; Schuß, M.	Link
ESL-IC-12-10-37	Social and Economic Challenges of Implementing Sustainable Materials on Buildings in Kuwait	Al-Foraih, R.; Al-Fahad, F.	Link
ESL-IC-12-10-38	Implementation of Simple Measures for Savings Water and Energy Consumption in Kuwait Government Buildings	Albaharani, H.; Al-Mulla, A.	Link
ESL-IC-12-10-39	Evidence-Based Calibration of a Building Energy Simulation Model: Application to an Office Building in Belgium	Bertagnolio, S.; Randaxhe, F.; Lemort, V.	Link
ESL-IC-12-10-40	Finding Investment Criteria for Monitoring Based Commissioning (MBCx) Services – Focus Group Evidence from Finland	Laitala, Ari	Link
ESL-IC-12-10-41	Development and Verification for the Control Method Using Surplus Pressure of Primary Pumps in Chiller Plant Systems for Air Conditioning which Adopts Primary/Secondary Piping Systems	Matsushita, Naomiki; Fujimura, Masahiro; Sumiyoshi, Daisuke; Akashi, Yasunori	Link
ESL-IC-12-10-42	Energy Consumption Characterization as an Input to Building Management and Performance Benchmarking – A Case Study	Bernardo, H.; Neves, L.; Oliveira, F.; Quintal, E.	Link
ESL-IC-12-10-43	Existing Building Commissioning (EB Cx) Top 10 lessons for Commercial Properties	Hollins, Paul; Rouse, Scott	Link
ESL-IC-12-10-44	Simulation-Assisted Evaluation of Potential Energy Savings: Application to an Administrative Building in France	Randaxhe, F.; Bertagnolio, S.; Lemort, V.	Link
ESL-IC-12-10-45	Moving Towards Net-Zero Energy of Existing Building in Hot Climate		Link
ESL-IC-12-10-46	The Role of the Owners Rep for Energy Performance and Control	Bernstein, Ron	Link
ESL-IC-12-10-47	Review of EU Airport Energy Interests and Priorities with Respect to ICT, Energy Efficiency and Enhanced Building Operation	Costa, Andrea; Blanes, Luis M.; Donnelly, Ciara; Keane, Marcus M.	Link
ESL-IC-12-10-48	Bio-Climatic Analysis and Thermal Performance of Upper Egypt "A Case Study Kharga Region"	Khalil, Mervat Hassan	Link
ESL-IC-12-10-49	Enhancing Building Performance Through More Responsive Maintenance System	Alsudairi, Abdulsalam A.	Link
ESL-IC-12-10-50	The Risk of Buildings Overheating in a Low-Carbon Climate Change Future	Banfill, P.F.G.; Jenkins, D.P.; Patidar, S.; Gul, M.; Menzies, G.F.; Gibson, G.J.	Link
ESL-IC-12-10-50a	The Risk of Buildings Overheating in a Low-Carbon Climate Change Future	Banfill, P.F.G.; Jenkins, D.P.; Patidar, S.; Gul, M.; Menzies, G.F.; Gibson, G.J.	Link
ESL-IC-12-10-51	Inclusion of Building Envelope Thermal Lag Effects in Linear Regression Models of Daily Basis Building Energy Use Data	Masuda, Hiroko; Claridge, David E.	Link

ESL-IC-12-10-52	Enhanced Operation Strategies for Air-Conditioning and Lighting Systems Toward Peak Power Reduction for an Office Building in Kuwait	Alghimlas, F.; Al-Mulla, A.; Maheshwari, G.P.; Al-Nakib, D.	Link
ESL-IC-12-10-53	Building Energy Performance Analysis of an Academic Building Using IFC BIM-Based Methodology	Aziz, Z.; Arayici, Y.; Shivachev, D	Link
ESL-IC-12-10-53a	Building Energy Performance Analysis of an Academic Building Using IFC BIM-Based Methodology	Aziz, Z.; Arayici, Y.; Shivachev, D	Link
ESL-IC-12-10-54	Building Performance Evaluation	King, Anne; Harris, Jo; MBENTN; BSRIA	Link
ESL-IC-12-10-55	Sustainability Through Intelligent Controls Workshop	Berstein, Ron	Link
ESL-IC-12-10-56	FM Use of BM	Berstein, Ron	Link
ESL-KT-12-10-01	New Funding Alternatives, Sources and Strategies To Create High-Performing, Energy Efficient Buildings	Flores, M.	Link
ESL-KT-12-10-02	Energy Efficiency Strategies	Dillingham, G.	Link
ESL-KT-12-10-03	Energy Conservation & Behavior Modification Programs	Goodin, E.; Hanner, S.; Mitchel, R.	Link
ESL-KT-12-10-04	Energy Efficiency / Renewable Energy (EE/RE) Projects in Texas Public Schools: Top Four Measures	Kim, H.; Haberl, J.; Mukhopadhyay, J.; Baltazar, JC.; Do, S.; Kim, K.; Yazdani, B.; Yarborough, J.	Link
ESL-KT-12-10-05	School Energy Management Through Continuous Commissioning®	Watt, J.	Link
ESL-KT-12-10-06	School Focused Utility Programs in Texas	Santos, B.; Negley, M.	Link
ESL-KT-12-10-07	Energy Codes and Standards - ASHRAE 90.1 2007	Reihl, K.	Link
ESL-KT-12-10-08	Energy Star	Reihl, K.; Tullos, A.	Link
ESL-KT-12-10-09	BOMA 360 Performance Program	Reihl, K.; Tullos, A.	Link
ESL-KT-12-10-10	USGBC, GBCI & LEED® 2009	Reihl, K.; Tullos, A.	Link
ESL-KT-12-10-11	LEED and EBOM	Reihl, K.; Tullos, A.	Link
ESL-KT-12-10-12	Architecture 2030	Reihl, K.; Tullos, A.	Link
ESL-KT-12-10-13	Living Building Challenge 2.1	Reihl, K.; Tullos, A.	Link
ESL-KT-12-10-14	Texas Electricity Update	Lloyd, B.	Link
ESL-KT-12-10-15	Demand Response and Electric Grid Reliability	Wattles, P.	Link
ESL-KT-12-10-16	Texas Air Quality and the Role of Energy Efficiency	Edlund, C.	Link
ESL-KT-12-10-17	Sustainability Leadership	Pittard, D.	Link
ESL-KT-12-10-18	Combustion & Health	Hamilton, W.	Link
ESL-KT-12-10-19	Texas Air Quality Status and the Texas Emission Reduction Plan	Hildebrand, S.	Link
ESL-KT-12-10-20	Texas Emissions Reductions Program (TERP) Energy Efficiency/Renewable Energy (EE/RE) Update	Haberl, J.; Yazdani, B.; Culp, C.	Link
ESL-KT-12-10-21	Reducing Energy Use with 50% ROI through Continuous Commissioning®	Claridge, D.	Link
ESL-KT-12-10-22	Utility Goals for the Efficiency Resource: Impact of PUC Rulemaking Project No. 39674 on Future Programs	Martin, A.	Link
ESL-KT-12-10-23	Demand Response: Load Management Programs	Simon, J.	Link
ESL-KT-12-10-24	Oncor Energy Efficiency Programs Solar Photovoltaic and Demand Response	Tyra, K.; Hanel, J.	Link
ESL-KT-12-10-25	Successes in School Energy Management	Brown, J.	Link
ESL-KT-12-10-26	Behavioral Modification	DuPlessis, J.	Link
ESL-KT-12-10-27	Successes in School Energy Management – Energy Monitoring	Corbitt, C.	Link
ESL-KT-12-10-28	City of Dallas Green Building Case Study	Basora, Z.	Link
ESL-KT-12-10-29	Raising the Bar- Houston	Blake, S.	Link
ESL-KT-12-10-30	2012 IECC	Smith, B.	Link
ESL-KT-12-10-31	Houston's Smart Grid: Transforming the Future of Electric Distribution & Energy Consumption	Bartel, W.	Link
ESL-KT-12-10-32	DC Power Distribution Systems	Savage, P.	Link
ESL-KT-12-10-33	Smart Energy	Morrison, W.	Link
ESL-KT-12-10-34	Green Houston	Spanjian, L.	Link
ESL-KT-12-10-35	Insights into Corporate Energy Management Trends – Focus on Texas	Fyock, C.	Link
ESL-KT-12-10-36	Emissions Reduction Impact of Renewables	Haberl, J.; Yazdani, B.; Culp, C.	Link
ESL-KT-12-10-37	Better Buildings	Neukomm, M.	Link
ESL-KT-12-10-38	Moving Towards a More Sustainable and Secure Energy Future	Stoker, K.	Link
ESL-KT-12-10-39	The Green Revival Program	Pelz, M.	Link
ESL-KT-12-10-40	JSC Sustainability Engagement Strategy	Peterson, L.	Link
ESL-KT-12-10-41	BP Helios Project	Schoen, B.	Link
ESL-KT-12-10-42	Continuous Commissioning® in a Data Center	Hatcher, J.	Link
ESL-KT-12-10-43	Tremont House and Hotel Galvez Sustainability Modifications	Arneson, C.	Link
ESL-KT-12-10-44	Texas LoanSTAR Program	Trevino, E.	Link
ESL-KT-12-10-45	Energy Efficiency Financing: Why Texas Needs to Keep PACE	Heydinger, C.	Link
ESL-KT-12-10-46	On-Bill Repayment: A Proposal to Increase Investment in Texas	Copithorne, B.	Link
ESL-KT-12-10-47	HVAC's Variable Refrigerant Flow (VRF) Technology	Jones, S.	Link
ESL-KT-12-10-48	CHP – New Technologies that Work	Herweck, R.	Link
ESL-KT-12-10-49	Robotic Efficiency Solutions for Ductwork	Forrest, F.	Link
ESL-TR-12-11-01	Developing "BUILDING/ FACILITY ENERGY CONSUMPTION DATA SHEET" FOR Political Subdivisions, Institutions of Higher Education, and State Agencies, to satisfy Senate Bill 898 (82nd R) Reporting Requirements, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Yazdani, B.; Baltazar, JC.; Zilbershtein, G.; Parker, P.	Link
ESL-TR-12-11-02	Developing "MOU/CO-OP ENERGY EFFICIENCY PROGRAMS REPORTING FORM" to satisfy Senate Bill 924 (82nd R) Reporting Requirements, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Yazdani, B.; Baltazar, JC.; Zilbershtein, G.; Parker, P.	Link
ESL-TR-12-11-03	Energy Use Patterns and Savings Analysis Report for Caterpillar Financial, Nashville, TN	Sun, Y.; Baltazar, JC.; Claridge, D.	Link
ESL-TH-12-11-02	The Effect of Thermal Load Configurations on Passive Chilled Beam Performance	Nelson, I.	Link
ESL-TH-12-12-01	Methodology for Rating a Building's Overall Performance Based on the ASHRAE/SIBSE/USGBC Performance Measurement Protocols for Commercial Buildings, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University</i>	Kim, H.	Link
ESL-TH-12-12-02	Dynamic Modeling and Cascaded Control For a Multi-Evaporator Supermarket Refrigeration System	Gupta, A.; Rasmussen, B.	Link
ESL-TR-12-12-02	Literature Review on History of Building Peak Load And Annual Energy Use Calculation Methods in the U.S <i>Energy Systems Laboratory, Texas A&M University</i>	Mao, C.; Haberl, J.; Baltazar, JC.	Link
ESL-TR-12-12-03	Annual Report- Preliminary Report: Integrated Nox Emissions Savings from EE/RE Programs Statewide, <i>Energy Systems Laboratory, Texas A&M University System</i>	Haberl, J.; Yazdani, B.; Baltazar, JC.; Degelman, L.; Do, S.L.; Zilbershtein, G.	Link

ESL-TR-12-12-04	Energy Efficiency/ Renewable Energy Impact in The Texas Emissions Reduction Plan (TERP): Volume I- Summary Report	Haberl, J.; Yazdani, B.; Lewis, C.; Liu, Z.; Baltazar, JC.; Mukhopadhyay, J.; Degelman, L.; McKelvey, K.; Claridge, D.; Ellis, S.; Kim, H.; Zilbershtein, G.; Gilman, D.	Link
ESL-TR-12-12-05	Energy Efficiency/ Renewable Energy Impact in The Texas Emissions Reduction Plan (TERP): Volume II- Technical Report	Haberl, J.; Yazdani, B.; Lewis, C.; Liu, Z.; Baltazar, JC.; Mukhopadhyay, J.; Degelman, L.; McKelvey, K.; Claridge, D.; Ellis, S.; Kim, H.; Zilbershtein, G.; Gilman, D.	Link
ESL-TR-12-12-06	Energy Efficiency/ Renewable Energy Impact in The Texas Emissions Reduction Plan (TERP): Volume III- Technical Appendix	Haberl, J.; Yazdani, B.; Lewis, C.; Liu, Z.; Baltazar, JC.; Mukhopadhyay, J.; Degelman, L.; McKelvey, K.; Claridge, D.; Ellis, S.; Kim, H.; Zilbershtein, G.; Gilman, D.	Link
ESL-TR-12-12-07	Comparisons between TRNSYS Software Simulation and F-Chart Program on Solar Domestic Hot Water System, <i>Energy Systems Laboratory, Texas A&M University</i>	Mao, C.; Baltazar, JC.; Haberl, J.	Link
ESL-TR-12-12-08	Physical Building Information Modeling for Soalr Building Design and Simulation-Annual Report 2012	Yan, W.; Haberl, J.; Clayton, M. J.; Jeong, W.; Kota, S.; Kim, J. B.; Alcocer, J. L. B.; Dixit, M.	Link
ESL-TH-12-12-01	Methodology for Rating a Building's Overall Performance based on the ASHRAE/CIBSE/USGBC Performance Measurement Protocols for Commercial Buildings	Kim, H.	Link
ESL-TH-12-12-02	Dynamic Modeling and Cascaded Control for a Multi-Evaporator Supermarket Refrigeration System	Gupta, A.	Link
ESL-TR-13-01-01	Review of Texas Emissions Reduction Plan (TERP) Program for Political Subdivisions, Institutions of Higher Education & State Agencies, <i>Energy Systems Laboratory, Texas A&M University</i>	Claridge, D.; Zilbershtein, G.; Haberl, J.; Yazdani, B.	Link
ESL-TR-13-04-01	Methodology for Calculating Cooling and Heating Energy-Input-Ratio (EIR) from the Rated Seasonal Performance Efficiency (SEER OR HSPF)	Kim, H.; Baltazar, JC.; Haberl, J.	Link
ESL-IE-13-05-30	Recent Developments in CHP Policy in the United States	Farley, K.; Chittum, A.	Link
ESL-IE-13-05-31	Innovative Energy Conservation Through Scrao Pre-heating in an Electric Arc Furnace	Dicion, A.	Link
ESL-IE-13-05-32	Energy Design Reviews: The End of the Energy Audit?	Corthat, E. T.; Griesbach, R.	Link
ESL-IE-13-05-33	Energy Efficiency Opportunities in Wineries for Retrofit and New Construction Projects	Wu, Y. Y.; Chow, S.; Ganji, A. R.	Link
ESL-IE-13-05-34	Potential For Energy, Peak Demand, and Water Savings in California Tomato Processing Facilities	Trueblood, A. J.; Wu, Y. Y.; Ganji, A. R.	Link
ESL-IE-13-05-36	Programs for Small and Medium-Sized Manufacturers	Trombley, D.	Link
ESL-IE-13-05-37	Identifying Efficiency Degrading Faults in Split Air Conditioning Systems	Terrill, T.J.; Brown, M. L.; Cheyne, R. W. Jr.; Cousins, A. J.; Daniels, B. P.; Erb, K. L.; Garcia, P. A.; Leutermann, M. J.; Nel, A. J.; Robert, C. L.; Widger, S. B.; Williams, A. G.; Rasmussen, B. P.	Link
ESL-IE-13-05-38	Automated Part Tracking and Metrology Applied to a Manufacturing Process	Morelli, F.; Halbert, T.; Hignight, M.; Kell, Z.; Lacy, J.; Rasmussen, B. P.	Link
ESL-IE-13-05-39	Image Recognition System for Automated Lighting Retrofit Assessment	Venable, K.; Bhatia, D.; Coverick, R.; Gutierrez, C.; Knight, J.; McGarry, D.; McGee, K.; Smith, Z.; Terrill, T.J.; Vanderford, B.; Weiser, R.; Wightman, K.; Rasmussen, B. P.	Link
ESL-IE-13-05-40	Optimized Design of a Furnace Cooling System	Morelli, F.; Bretschneider, R.; Dauzat, J.; Guymon, M.; Studebaker, J.; Rasmussen, B. P.	Link
ESL-IE-13-05-41	Design and Predictive Control of a Net Zero Energy Home	Morelli, F.; Abbarno, N.; Boese, E.; Bullock, J.; Carter, B.; Edwards, R.; Lapite, O.; Mann, D.; Mulvihill, C.; Purcell, E.; Stein, M. IV; Rasmussen, B. P.	Link
ESL-TR-13-06-01	Analysis of The Potential Applications of Solar Thermal and Photovoltaic Systems for Northwest Vista College	Ugursal, A.; Martinez, J.; Baltazar, JC.; Zilbershtein, G.	Link
ESL-TR-13-07-01	Statewide Air Emissions Calculations from Wind and Other Renewables. Summary Report, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Baltazar, JC.; Yazdani, B.; Culp, C.; Claridge, D.; Mao, C.; Kota, S.	Link
ESL-TR-13-07-02	Statewide Electricity and Deman Capacity Savings From the International Energy Conservation Code (IECC) Adoption for Single-Family Residences in Texas	Kim, H.; Baltazar, J.C.; Haberl, J.; Yazdani, B.	Link
ESL-PA-13-08-01	Peak Heating/Cooling Load Design Methods: How We Got to Where We are Today in the U. S.	Mao, C.; Haberl, J.; Baltazar, JC.	Link
ESL-TH-13-08-02	Distributed Control of HVAC&R Networks	Elliott, M.; Rasmussen, B.	Link
ESL-TR-13-09-01	A Simplified Residential Base Case Model	Do, S. L.; Choi, J. H.; Haberl, J.	Link

ESL-TR-13-09-02	Comparison of the Performance Predictions of a 2009 IECC Code-Compliant House Using IC3 (Ver.3.12.1), REM/Rate (Ver.13.00), EnergyGuide (Ver.2.8.05) and RedCHECK (Ver.4.4.3.1) Energy Systems Laboratory, Texas A&M University. September 2013.	Mukhopadhyay, J; Baltazar, JC.; Haberl, J.; Yazdani, B.	Link
ESL-PA-13-10-01	Pareto Optimal Setpoints for HVAC Networks via Iterative Nearest Neighbor Communication, <i>Proceedings of the 2013 ASME Dynamic Systems and Control Conference</i>	Elliott, M.; Bay, C.; Rasmussen, B.	Link
ESL-TR-13-10-02	Annual Report- Preliminary Report: Integrated Nox Emissions Savings from EE/RE Programs Statewide, <i>Energy Systems Laboratory, Texas A&M University System</i>	Haberl, J.; Yazdani, B.; Baltazar-Cervantes, J. C.; Parker, P.; Ellis, S.; Mukhopadhyay, J; Kim, H.; Gilman, D.; Degelman, L.; Zilbertshtein, G.; Claridge, D.	Link
ESL-TR-13-10-03	Annual Report: Volume I	Haberl, J.; Yazdani, B.; Baltazar-Cervantes, J. C.; Parker, P.; Ellis, S.; Mukhopadhyay, J; Kim, H.; Gilman, D.; Degelman, L.; Zilbertshtein, G.; Claridge, D.	Link
ESL-TR-13-10-04	Annual Report: Volume II	Haberl, J.; Yazdani, B.; Baltazar-Cervantes, J. C.; Parker, P.; Ellis, S.; Mukhopadhyay, J; Kim, H.; Gilman, D.; Degelman, L.; Zilbertshtein, G.; Claridge, D.	Link
ESL-TR-13-10-05	Annual Report: Vol III	Haberl, J.; Yazdani, B.; Baltazar-Cervantes, J. C.; Parker, P.; Ellis, S.; Mukhopadhyay, J; Kim, H.; Gilman, D.; Degelman, L.; Zilbertshtein, G.; Claridge, D.	Link
ESL-IC-13-10-01	Calculation of Integrated Nox Emissions Reductions from Energy Efficiency Renewable Energy (EE/RE) Programs across State Agencies in Texas	Haberl, J.; Yazdani, B.; Baltazar, JC.; Kim, H.; Mukhopadhyay, J.; Zilbertshtein, G.; Ellis, S.; Parker, P.	Link
ESL-IC-13-10-02	Comparing the Performance of a 2009 IECC Code-Compliant House Using Code-Compliant Residential Simulation Programs	Mukhopadhyay, J.; Baltazar, JC.; Loyd, C. T.; Haberl, J.	Link
ESL-IC-13-10-03	Analysis of Code-Compliant Construction in Texas Based on Texas Building Energy Performance Standards (TBEPS)	Mukhopadhyay, J.; Baltazar, JC.; Kim, H.; Yazdani, B.; Haberl, J.	Link
ESL-IC-13-10-04	SGE: Software Presentation	Nouanegue, H. F.; Daoud, A.; Lavigne, K.; Poulin, A.; Charette, A.; Lahala, S.; Sansregret, S.; Desbiens, G.	Link
ESL-IC-13-10-05	Energy Management and Information Systems	Conraud, J.	Link
ESL-IC-13-10-06	Predictive Energy Optimization	Dickinson, P.	Link
ESL-IC-13-10-07	Comfortable Performance: Retro-Commissioning Building Operations	Botan, L.	Link
ESL-IC-13-10-08	Whole Building Energy Performance Anomaly Detections at TU/e	Hensen, J. L. M.; Bynum, J. D.	Link
ESL-IC-13-10-09	Application of the Continuous Commissioning Process at a K-12 School District Located in Central Texas	Shah, M.; Sun, Y.; Lander, W.; Yagva, C.; Watt, J.; Oh, S.; Claridge, D.	Link
ESL-IC-13-10-10	Validation of Simulated Thermal Comfort using a Calibrated Building Energy Simulation (BES) model in the context of Building Performance Evaluation & Optimisation	Coakley, D.; Corry, E. J.; Keane, M. M.	Link
ESL-IC-13-10-11	The Impact of CO2-Based Demand-Controlled Ventilation on Energy Consumptions for Air Source Heat Pumps in Schools	AlRaees, N.; Nassif, N.	Link
ESL-IC-13-10-12	Calibration of Predicted Hourly Zone-Level Supply Air Flows with Measurements	Mihai, A.; Zmeureanu, R.	Link
ESL-IC-13-10-13	Evaluation of a case-based Reasoning Energy Prediction Tool for Commercial Buildings	Monfret, D.; Arkhipova, E.; Choiniere, D.	Link
ESL-IC-13-10-14	ghMulti-Level Approach for Model-Based Predictive Control (MPC) in Buildings: A Preliminary Overview	Candanedo, J. A.; Dehkordi, V. R.	Link
ESL-IC-13-10-15	Optimization of Ice Thermal Storage Systems Design for HVAC Systems	Nassif, N.; Hall, C.; Frelnad, D.	Link
ESL-IC-13-10-16	Optimising the Fresh Air Economiser	Bishop, R.	Link
ESL-IC-13-10-17	Monitoring- Based Commissioning with Advanced EMIS Analysis	Ratkovich, B.	Link
ESL-IC-13-10-18	Exceeding Energy Consumption Design Expectations	Castleton, H. F.; Beck, S. B. M.; Hathwat, E. A.; Murphy, E.	Link
ESL-IC-13-10-19	Assessment and Prediction of the Thermal Performance of a Centralized Latent Heat Thermal Energy Storage Utilizing Artificial Neural Network	El-Sawi, A.; Haghighat, F.; Akbari, H.	Link
ESL-IC-13-10-20	Demand Response in Quebec's CI Buildings: Potential and Strategies	Daoud, A.; Leduc, M. A.; Baribeault, J.; Lavigne, K.; Chenard, S.; Poulin, A.; Martel, S.; Bendaoud, A.	Link
ESL-IC-13-10-21	Process Control on Workplace Level - User Comfort Energy Optimization	Verhaart, J.; Zeiler, W.; Boxem, G.	Link
ESL-IC-13-10-22	Design of Predictive Control Strategies for Active BITES Systems Using Frequency Domain Models	Chen, Y.; Athienitis, A. K.; Gala, K. E.	Link
ESL-IC-13-10-23	Operational Effectiveness in Use of BAS	Bobker, M.; Joseph, M.; Ascazubi, M.; Brown, T.; Thorpe, K.; Essman, J.	Link
ESL-IC-13-10-24	Real-Time Building Occupancy Sensing for Supporting Demand Driven HVAC Operations	Ekwevugbe, T.; Brown, N.; Pakka, V.	Link

ESL-IC-13-10-25	Innovative Mobile Technologies for Asset Tracking	Liko, W.	Link
ESL-IC-13-10-26	The Post-occupancy Performance of Green Office Buildings: Evidence for the Field	Newsham, G.	Link
ESL-IC-13-10-27	The Effect of Personal Lighting Controls on Energy use and Occupant Well-Being in Offices	Veitch, J. A.; Newsham, G. R.; Mancini, S.; Arseneault, C.;	Link
ESL-IC-13-10-28	The Value of a dynamic Environmental Building Certification	Sutton, H. M.	Link
ESL-IC-13-10-29	A Qualitative Modeling Approach for Fault Detection and Diagnosis on HVAC Systems	Muller, T.; Rehault, N.; Rist, T.	Link
ESL-IC-13-10-30	Development of an Online Expert Rule Based Automated fault Detection and Diagnostic (AFDD) Tool for Air Handling Units: Beta Test Results	Bruton, K.; Coakley, D.; O'Donovan, P.; Keane, M.; O'Sullivan, D.	Link
ESL-IC-13-10-31	Automated Price and Demand Response Demonstration for Large Customers in New York City using OpenADR	Kim, J. J.; Yin, R.; Kiliccote, S.	Link
ESL-IC-13-10-32	Calibration of an EnergyPlus Building Energy Model to Assess the Impact of Demand Response Measures	Lavigne, K.; Sansregret, S.; Daoud, A.; Leclair, L. A.	Link
ESL-IC-13-10-33	Three Case Studies of the Application of Energy Systems Optimization Best Practices for Automatic Demand Response	Shi, Y.; Guibertau, K.; Yagua, C.; Watt, J.	Link
ESL-IC-13-10-34	Weather Forecast Data an Important Input into Building Management Systems	Poulin, L.	Link
ESL-IC-13-10-35	Innovative, Cost Effective and Energy Efficient Design for New Construction at a Texas High School	Khan, S.; Bible, M.	Link
ESL-IC-13-10-36	Benchmarking, BOMA BEST and BBEER	Smicklas, J.	Link
ESL-IC-13-10-37	Bells and Whistles, or Just Plain Effective? The New Generation of Wireless Controls in Existing Commercial Buildings.	LaFlamme, S.	Link
ESL-IC-13-10-38	Persistent Commissioning, Persistent Value	Morgan, W. R.	Link
ESL-IC-13-10-39	IBM and Energy Efficiency: Energy Management Systems	Veilleux, Y.	Link
ESL-IC-13-10-40	IBM and Energy Efficiency: Systems Recommissioning and Optimization	Veilleux, Y.; Boulianne, J. P.; Lefebvre, P.	Link
ESL-IC-13-10-41	Energy Management Practices at Dalls/Fort Worth International Airport	Dennis, J. R.	Link
ESL-IC-13-10-42	Personalized Conditioning with Human-in-the-Loop Control Approach	Vesely, M.; Zeiler, W.; Boxem, G.	Link
ESL-IC-13-10-43	Use of Building Automation System Trend Data for Inputs Generation in Bottom-Up Simulation Calibration	Zibin, N. F.; Zmeureanu, R. G.; Love, J. A.	Link
ESL-IC-13-10-44	Case Study: The Effective Use of an Extensive Logical rule Based Data Analytics Approach in Establishing Root Cause of Performance Issues in Widespread Deployments of Unitary Space Air Conditioning Units	Brady, N.	Link
ESL-IC-13-10-45	The Role of Linked Data and Semantic Web in Building Operation	Corry, E. J.; Coakley, D.; O'Donnell, J.; Pauwels, P.; Keane, M. M.	Link
ESL-IC-13-10-46	Progressing for Intelligent to Smart Buildings	Buckman, A. H.; Mayfield, M.; Meijer, R.; Beck, S. B. M.	Link
ESL-IC-13-10-47	Development of Self-Correcting Algorithms for Complete Failure of Supply Air Temperature Sensors	Monfet, D.; Choiniere, D.; Padilla, M.	Link
ESL-IC-13-10-48	44 Market St - Refurbishment of a Dual Duct Building	Bannister, P.; Foo, G.	Link
ESL-IC-13-10-49	Energy Efficiency: A Priority	Patenaude, R.	Link
ESL-IC-13-10-50	Optimization Control Strategy for an Air Handling Unit with Dedicated Rotary Desiccant Dehumidification Wheel in Hot and Humid Climate	Watt, J.	Link
ESL-IC-13-10-51	Towards Building Occupants Positioning: Track and Trace for Optimal Process Control	Zeiler, W.; Labeodan, T.; Bozem, G.; Maaijen, R.	Link
ESL-IC-13-10-52	To Cope with the Uncertainty in Smart Energy Systems: Office Buildings as a Source for Energy Flexibility	Zieler, W.; Aduda, K.; Boxem, G.	Link
ESL-IC-13-10-53	Predictive energy Optimization: The Next Generation of Energy Management	Dickinson, P.	Link
ESL-IC-13-10-54	Measurement and Verification, Best Practices in Design and Implementation	Martin, T.; Khatami, H.	Link
ESL-IC-13-10-55	Mission Net-Zero: Where are We Now and How Do We Get There?	Carpenter, S.	Link
ESL-IC-13-10-56	Smart Grid Impact on Intelligent Buildings	Zimmer, R. J.	Link
ESL-IC-13-10-57	Smarter Physical Infrastructure	Bartlett, D.	Link
ESL-IC-13-10-58	Fault Detection, Diagnostics and Optimization using BIG Data Analytics	Bonifay, X.	Link
ESL-IC-13-10-59	Analysis of Cooling Regression Models for Hot and Humid Climates Based on "Operational Effective Enthalpy	Li, X.; Baltazar, J.C.	Link
ESL-PA-13-11-01	Evolution of Meteorological Base Models for Estimating Hourly Global Solar Radiation in Texas	Kim, H. K.; Baltazar, J.C.; Haberl, J.	Link
ESL-PA-13-11-02	Improved Methodology to Measure Normal Incident Solar Radiation with a Multi-Pyranometer Array	Baltazar, J.C.; Sun, Y.; Haberl, J.	Link
ESL-PA-13-12-01	Analysis of the Impact of Using Synthetic Data Correlated With Measured Data on the Calibrated As-Built Simulation of a Commercial Building, <i>Energy and Buildings</i> , Vol. 67, pp. 97-107	Song, S.; Haberl, J.S.	Link
ESL-KT-13-12-01	EE/RE in the 83rd Texas Legislature	Taylor, D.	Link
ESL-KT-13-12-02	EE/RE Impacts on Emission Reductions	Haberl, J.	Link
ESL-KT-13-12-03	El Paso: A City's Perspective on Sustainability	Howell, M.	Link
ESL-KT-13-12-04	Energy Performance and Home Owner Behavior	Dong, B.	Link
ESL-KT-13-12-05	Retrofit Analysis of Older, Single Family Housing in San Antonio	Rashed-Ali, H.	Link
ESL-KT-13-12-06	LEED Conference in the Production Home Building Realm	Saunders, S.	Link
ESL-KT-13-12-07	Maintaining Platinum Performance After Platinum Design	VanHyfte, M.	Link
ESL-KT-13-12-08	Quantifying the Integration of LEED Ratings to Military High Performance Sustainable Buildings	Walewski, J.	Link
ESL-KT-13-12-09	How's LEED doing?~ Analyzing the Success of Dallas' Green Building Initiative	Basora, Z.	Link
ESL-KT-13-12-10	Leveraging Health Data to Enhance Place-Based Resilience in Green Building Design	Houghton, A.	Link
ESL-KT-13-12-11	PUC's New Evaluation, Measurement and Verification Framework	Osterloh, P.	Link
ESL-KT-13-12-12	Utility -Owned Central Plant Load Management at the Domain	Lilley, D.	Link
ESL-KT-13-12-13	San Antonio's Save for Tomorrow Energy Plant (STEP)	Hernandez, J.	Link
ESL-KT-13-12-14	Investor-Owned Utilities' 2012-13 Results, 2014 Programs	Berny, B.	Link
ESL-KT-13-12-15	Using Post-Occupancy Evaluation to Inform Design and Improve Performance	Langer, S.	Link
ESL-KT-13-12-16	Making the Connection: Green Schools, Student Health and Performance	Lowry, L.	Link
ESL-KT-13-12-17	The Benefits of Better Ventilation and Filtration Practices in Schools	Lamping, G.	Link
ESL-KT-13-12-18	Real-Time Building Energy Modeling, fault Detection and Diagnostic for a DoD Building	Dong, B.	Link
ESL-KT-13-12-19	The Multi-Family Calculator: An Early Stage Tool for Integrated Design Teams	Arcangeli, G.; Woodings, C.	Link
ESL-KT-13-12-20	Residence Hall ROI: The Benefits of Energy Modeling for University Dormitories	Hodges, C.; Hernandez, A.	Link
ESL-KT-13-12-21	ERCOT's Weather Sensitive Demand Response Pilot	Carter, T.	Link
ESL-KT-13-12-22	UTSA's SmartLiving Campus: A Real Time Approach to America's Future	Gomez, J.	Link
ESL-KT-13-12-23	Consumer Energy Use Insights	McCracken, B.	Link
ESL-KT-13-12-24	Implementing PACE in Texas: PACE in a Box	Averitt, K.	Link

ESL-KT-13-12-25	Meeting Energy Reduction Requirements at Joint Base San Antonio	Dschuden, B.; Thomas, F.	Link
ESL-KT-13-12-26	Continuous Commissioning at Alamo Community College District	Strybos, J.	Link
ESL-KT-13-12-27	Managing Energy in San Antonio Public Buildings	Gates, P.	Link
ESL-KT-13-12-28	Advancing Energy Codes	Zerrener, K. R.	Link
ESL-KT-13-12-29	Texas Energy Code Compliance Collaborative	Herbert, C.	Link
ESL-KT-13-12-30	2012 IECC	Gutman, M.	Link
ESL-KT-13-12-31	Top 10 Considerations of 2012 IECC and IgCC in Dallas	Basora, Z.	Link
ESL-KT-13-12-32	2015 IECC: What's new in next edition?	Ellis, S.	Link
ESL-KT-13-12-33	Variable Refrigerant Flow HVAC	Jones, S.	Link
ESL-KT-13-12-34	Taking a Bite out of Lighting Loads	Williams, S.	Link
ESL-KT-13-12-35	Behavior Modification as a Sustainable Design Technique	Norwood, E.	Link
ESL-KT-13-12-36	Solar Cogeneration for Commercial Rooftops	Gupta, A.	Link
ESL-KT-13-12-37	Alternative Financing for Energy Efficiency	Trevino, E.	Link
ESL-KT-13-12-38	Investor Confidence Project	Golden, M.	Link
ESL-KT-13-12-39	Qualifying Energy Conservation Bonds	Briggs, J.	Link
ESL-KT-13-12-40	High Performance New Construction	Flores, M.	Link
ESL-KT-13-12-41	Performance Contracting for Public Sector Improvement Projects	Mallory, A. D.	Link
ESL-KT-13-12-42	CPS Energy Water Use	Eclarinal, L.	Link
ESL-KT-13-12-43	Collecting and Using Condensate on Site	Glawe, D.	Link
ESL-KT-13-12-44	Water for Energy in the Eagle Ford	Finch, C.	Link
ESL-KT-13-12-45	Making a Difference: Dell's 2020 Plan	Pflueger, J.	Link
ESL-KT-13-12-46	Commissioning for High Performance	Meline, K.	Link
ESL-KT-13-12-47	Jumpstart Green Schools with Campus Eco-Audits	LaMotte, G.	Link
ESL-KT-13-12-48	Aggressively Passive	Upadhyaya, K.	Link
ESL-KT-13-12-49	Building Operator Certification	Lilley, D.	Link
ESL-KT-13-12-50	Sustainable Places Project/Project Connect	Spillar, R.	Link
ESL-KT-13-12-51	Waller Creek Urban Redevelopment	McDonald, S.	Link
ESL-KT-13-12-52	SPEER: Building a Regional Energy Efficiency Partnership	Lewin, D.	Link
ESL-KT-13-12-53	Demand Response Initiatives at CPS Energy	Luna, R.	Link
ESL-KT-13-12-54	LEED for Existing Buildings Operations and Maintenance	Reihl, K.	Link
ESL-KT-13-12-55	Energy Management Programs in Texas Public School Districts	Dillingham, G.	Link
ESL-KT-13-12-56	Status of Climate Change	North, G.	Link
ESL-KT-13-12-57	The Changing US Electric Sector Business Model	Aliff, G.	Link
ESL-KT-13-12-58	Engaging Reluctant Americans into Energy Efficiency and Sustainability	Shelton, S.	Link
ESL-PA-14-01-01	Reducing Energy Consumption in Grocery Stores, Energy Efficiency Measures for Grocery Stores, <i>ASHRAE Transactions-Research</i> , Vol. 120, Pt. 1	Mukhopadhyay, J.; Haberl.	Link
ESL-PA-14-02-01	Development and Application of Weather-normalized Monthly Building Water Use Model, <i>Energy and Buildings</i>	Kim, H.; Haberl, J.	Link
ESL-PA-14-02-02	The Effect of High Ambient Temperature on the Performance of an R410a Air Conditioner, <i>First International Conference on Energy and Indoor Environment for Hot Climates</i>	Pate, M.; Sweeney, J.; Yin, P.; Kading, J.	Link
ESL-PA-14-05-01	Impact of Controls-Energy Saving Strategies in Industries, <i>Proceedings of the 2014 Industrial Energy Technology Conference</i>	Parikh, P.; Rasmussen, B. P.	Link
ESL-TH-14-05-01	Development and Application of a Ground-Coupled Heat Pump Simulation Model for Residential Code-Compliant Simulation in Texas	Do, S. L.; Haberl, J.	Link
ESL-TH-14-05-02	Coil Condensation Detection for Humidity Control	Kaneb, C.	Link
ESL-TH-14-05-03	A Comparative Analysis of Predicting Energy Savings From Energy Service Projects	Kim, A.; Haberl, J.	Link
ESL-IE-14-05-41	Integration of Sensors with Embedded Data Acquisition for Automation of Lighting Analysis	Terrill, T.J.; Bay, C.J.; Rasmussen, B. P.	Link
ESL-IE-14-05-46	Guidelines in Wave Energy Conversion System Design	Guiberteau, K. L.; Liu, Y.; Lee, J.; Kozman, T.	Link
ESL-IE-14-05-47	Thermal Energy Storage: It's not Just for Electric Cost Savings Anymore	Andrepoint, J. S.	Link
ESL-IE-14-05-48	Control Boiler Emissions through Work Practices and Energy Management	Robinson, J.	Link
ESL-IE-14-05-49	Energy Management: When Good is not Good Enough	Nolen, S.	Link
ESL-IE-14-05-50	Wave Energy Conversion Overview and it's Renewable Energy Potential for the Oil and Gas Industry	Pastor, J.; Liu, Y.; Dou, Y.	Link
ESL-IE-14-05-51	Wave Energy Resource Analysis for Use in Wave Energy Conversion	Pastor, J.; Liu, Y.; Dou, Y.	Link
ESL-IE-14-05-52	Potential of Development and Application of Wave Energy Conversion Technology in the Gulf of Mexico	Guiberteau, K. L.; Liu, Y.; Lee, J.; Kozman, T.	Link
ESL-PA-14-06-01	Verification of Energy Savings from the Implementation of the Residential Building Codes in Texas, <i>ASHRAE Conference Paper</i>	Balthazar, J.C.; Mao, C.; Haberl, J.	Link
ESL-PA-14-06-02	Distributed Model Predictive Control for Networks with Limited Control Communication, <i>Proceedings of the 2014 American Control Conference</i>	Jalal, R.; Rasmussen, B.	Link
ESL-PA-14-06-03	The Impact of an ECM Blower on the System Performance of a 5-ton Air Conditioner, <i>ASHRAE Annual Conference</i>	Pate, M.; Sweeney, J.; Yin, P.	Link
ESL-PA-14-06-04	Evaluation of Meteorological Base Models for Estimating Hourly Global Solar Radiation in Texas, <i>Energy Procedia: 2013 ISES Solar World Conference</i> , Vol. 57, pp. 1189 – 1198	Kim, K.; Baltazar, J.C.; Haberl, J.S.	Link
ESL-PA-14-06-05	Verification of the Energy Savings From the Implementation of the Residential Building Codes in Texas, <i>ASHRAE Transactions-Research</i> , Vol. 120, Pt. 2	Baltazar, J.C.; Mao, C.; Haberl, J.	Link
ESL-TR-14-07-01	Statewide Air Emissions Calculations from Wind and Other Renewables. Summary Report, Energy Systems Laboratory, Texas A&M University.	Haberl, J.; Baltazar, J.C.; Yazdani, B.; Clardige, D.; Do, S. L.; Oh, S.	Link
ESL-PA-14-07-01	Residential Bathroom Exhaust Fan Energy Performance Evaluations Conducted in a Well-Instrumented Laboratory Environment, <i>Indoor Air</i>	Pate, M.; Sweeney, J.; Yin, P.	Link
ESL-TR-14-08-01	Comparing the Residential Provisions on the 2015 IECC with the Corresponding Previsions of the 2015 IECC for Single-Family Residential Construction in Texas.	Mukhopadhyay, J.; Baltazar, J.C.; Ellis, S.; Haberl, J.; Yazdani, B.	Link
ESL-TH-14-08-01	Dynamic Modeling and Wavelet-Based Multi-Parametric Tuning and Validation for HVAC Systems	Shuangshuang, L.	Link
ESL-TH-14-08-02	High-Rise Residential Building Energy Analysis in Shanghai, China	Zhou, H.	Link
ESL-TH-14-08-03	An Analysis of a Low-Energy, Low-Water Use Community in Mexico City	Bermudez-Alcocer, J. L.	Link
ESL-TH-14-08-04	Development of an Improved Methodology for Analyzing Existing Single-Family Residential Energy Use	Kim, K. H.; Haberl, J.	Link
ESL-PA-14-09-01	Translating Building Information Modeling to Building Energy Modeling Using Model View Definition	Jeong, W.; Kim, J. B.; Clayton, M.; Haberl, J.; Yan, W.	Link
ESL-PA-14-09-02	Impact of External Static Pressure on Residential Heating and Cooling Energy Use in Hot Climates, <i>ASHRAE/IBPSA-USA Building Simulation Conference</i>	Pate, M.; Sweeney, J.; Yin, P.	Link

ESL-TR-14-09-01	Energy Efficiency/ Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP) Preliminary Report: Integrated Nox Emissions Savings From EE/RE Programs Statewide	Haberl, J.; Yazdani, B.; Baltazar-Cervantes, J. C.; Parker, P.; Ellis, S.; Mukhopadhyay, J; Do, S.; Zilbertstein, G.; Claridge, D.	Link
ESL-IC-14-09-01	Integrated Nox Emissions Reductions from Energy Efficiency and Renewable Energy (EE/RE) Programs across State Agencies in Texas	Baltazar, J.C.; Haberl, J.; Yazdani, B.	Link
ESL-IC-14-09-02	Development of a Detailed Simulation Model to Support Evaluation of Water Load Shifting Across a Range of Use Patterns	Samuel, A.; Tuohy, P.	Link
ESL-IC-14-09-03	Performance Evaluation of the Automatic Optimization and Degradation Detection Tool for Chiller Plants-APCBC	Sumiyoshi, D.	Link
ESL-IC-14-09-04	Research and Application of RCF Technology in Public Building	Yan, J.; Pan, D.	Link
ESL-IC-14-09-05	Building Automation and Controls Systems: Integrated Room Control for Personalized Comfort and Increased ROI	Gill, D.	Link
ESL-IC-14-09-06	Model Based Commissioning Tool for Air-Conditioning Distribution Systems-APCBC	Yoshida, H.; Noda, T.	Link
ESL-IC-14-09-07	Lifecycle Energy Management in the Tohoku Electric Power headquarters building-APCBC	Yuzawa, H.	Link
ESL-IC-14-09-08	Continuous Commissioning Performance of Panasonic Tokyo-Shiodome Building-APCBC	Zhang, J.; Hasegawa, I.	Link
ESL-IC-14-09-09	Evolution of Smart Building and Their Place in the Internet of Everything	Towler, J.	Link
ESL-IC-14-09-10	Monitoring and Commissioning for Green Campuses	Pietilainen, J.	Link
ESL-IC-14-09-11	Methodologies for Estimating Building Energy Savings Uncertainty: Review and Comparison	Baltazar, J.C.; Sun, Y.; Claridge, D.	Link
ESL-IC-14-09-12	Case study of Chilled Water Loop Low Delta-T Fault Diagnosis	Wang, L.; Meline, K.; Watt, J.	Link
ESL-IC-14-09-13	Building Automation System Embedded Air-Handling Unit Performance Degradation Detector	Song, L.; Wang, G.	Link
ESL-IC-14-09-14	Dealing with Big Circulation Flow, Small Temperature Difference Based on Verified Dynamic Model Simulations of a Hot Water District Heating System	Zhong, L.	Link
ESL-IC-14-09-15	Index to Evaluate Energy Efficiency of the Building HVAC System	Wang, L.; Wang, L.; Claridge, D.	Link
ESL-IC-14-09-16	Experimental Study in Energy Performance of Temperature and Humidity Independent Control System with Multiple Split Air-Conditioning System	Kawano, M.	Link
ESL-IC-14-09-17	Diagnosis of Effectiveness of HVAC System and Energy Performance of Osaka-Gas Building through Retro-Commissioning Part 2 Handling the Data Produced by BEMS and Some Results of Analyses	Yamaha, M.; Ando, T.	Link
ESL-IC-14-09-18	Optimal Design of Ground Source Heat Pump System Integrated with Phase Change Cooling Storage Tank in an Office Building	Zhu, N.	Link
ESL-IC-14-09-19	Study on Performance Verification and Evaluation of District Heating and Cooling System Using Thermal Energy of River Water	Takahashi, N.; Niwa, H.; Kawano, M.; Koike, K.; Koga, O.; Ichitani, K.; Mishima, N.	Link
ESL-IC-14-09-20	A Case Study of a Commissioning Process for Demand Side Energy Conservation of the Large Heat Source Plant in Kyoto Station Building-APCBC	Matsushita, N.; Yoshida, H.	Link
ESL-IC-14-09-21	A New Route for Energy Efficiency Diagnosis and Potential Analysis of Energy Consumption from Air-Conditioning System	Ma, R.J.; Yu, N.Y.	Link
ESL-IC-14-09-22	Development of a Portable Wireless Sensor Network to Enhance Post-Occupancy Commissioning	Noye, S.; North, R.; Fisk, D.	Link
ESL-IC-14-09-23	How to achieve the real Building Energy Savings	Hao, B.	Link
ESL-IC-14-09-24	Implemented Continuous Commissioning Measures for Schools, Hospitals, and Office Buildings in the U.S.	Oh, S.; Claridge, D.; Watt, J.; Culp, C.; Haberl, J.; Shah, M.	Link
ESL-IC-14-09-25	Commissioning Process and Operational Improvement in the District Heating and Cooling-APCBC	Takase, T.; Takada, O.; Shima, K.; Moriya, M.; Shimoda, Y.	Link
ESL-IC-14-09-26	Diagnosis of Effectiveness of HVAC System and Energy Performance of Osaka-Gas Building through Retro-Commissioning Part 1 Outline of HVAC Systems and Diagnosis of Energy Efficiency of Air Systems	Hatanaka, T.; Aoki, K.; Matsuda, N.; Yamaha, M.; Tanaka, H.; Nakahara, N.	Link
ESL-IC-14-09-27	Modeling to Predict Positive Pressurization Required to Control Mold Growth from Infiltration in a Building in College Station, Texas	Claridge, D.; Chen, W.	Link
ESL-IC-14-09-28	Comfort Demand Leading the Optimization to Energy Supply from the Smart Grid	Aduba, K.; Zeller, W.; Boxem, G.	Link
ESL-IC-14-09-29	Detecting and Tracing Building Occupants to Optimize Process Control	Zeiler, W.; Labeodan, T.; Boxem, G.	Link
ESL-IC-14-09-30	Commissioning, Operation, Real Time Monitoring and Evaluation of Pilot: Achieving Optimal Performance through Building Commissioning	Pang, X.; Piette, M.A.; Hao, B.	Link
ESL-IC-14-09-31	The Measure for the Effective Environmental Load Reduction on a University Campus-APCBC	Akashi, Y.; Okamoto, Y.	Link
ESL-IC-14-09-32	Commissioning Test for Existing Large Scale Building Using Simulation Modeling-APCBC	Sugihara, Y.; Hondo, Y.; Yuzawa, H.	Link
ESL-IC-14-09-33	A Systematic Approach to Energy Efficiency Retrofit Solutions for Existing Office Buildings	Shao, Y.	Link
ESL-IC-14-09-34	VRF on-site Measurement by Compressor Curve Method of VRF and the applications-APCBC	Kan, Y.; Shiochi, S.	Link
ESL-IC-14-09-35	The Exploration on the Energy Saving Potential of an Innovative Dual-temperature Air Conditioner and the Mechanism of the Theoretical Mixed Refrigeration Cycle	Zhao, L.; Zhao, X.; Hu, A.	Link
ESL-IC-14-09-36	Solar and Daylight Availability Evaluation and Estimation in Urban Fabric Under Specific Sky Conditions	Zemmouri, N.	Link
ESL-IC-14-09-37	Application of Expert Systems to Industrial Utility Equipment Optimization	Hayes, S.; Burton, K.; O'Sullivan, D.	Link
ESL-IC-14-09-38	Performance Evaluation of a Ground Source Heat Pump System Based on ANN and ANFIS Models	Sun, W.; Hu, P.; Lei, F.; Zhu, N.; Zhang, J.	Link
ESL-PA-14-10-01	Building Information Modeling (BIM)-Based Daylighting Simulation and Analysis. Energy and Buildings	Kota, S.; Clayton, M.; Yan, W.; Haberl, J.	Link
ESL-PA-14-10-02	Autonomous Lighting Audits: Part 1 - Building Navigation and Mapping, <i>Proceedings of the 2014 Dynamic Systems and Control Conference</i>	Bay, C.; Terrill, T.; Rasmussen, B.	Link
ESL-PA-14-10-03	Autonomous Lighting Audits: Part 2 - Light Identification and Analysis, <i>Proceedings of the 2014 Dynamic Systems and Control Conference</i>	Bay, C.; Terrill, T.; Rasmussen, B.	Link
ESL-PA-14-10-04	Compensation of HVAC System Nonlinearities Using Cascaded Control Architecture, <i>Proceedings of the 2014 Dynamic Systems and Control Conference</i>	Price, C.; Rasmussen, B.	Link
ESL-PA-14-10-05	Automated Modeling of Building HVAC Systems for MPC, <i>Proceedings of the 2014 Dynamic Systems and Control Conference</i>	Chintala, R.; Bay, C.; Rasmussen, B.	Link

ESL-PA-14-11-01	Developing a Physical BIM Library for Building Thermal Energy Simulation, <i>Automation in Construction</i>	Kim, J. B.; Jeong, W.; Clayton, M.; Yan, W.; Rasmussen, B.	Link
ESL-TR-14-11-01	2013 TCEQ Annual Report Volume I. Energy Systems Laboratory, Texas A&M University	Haberl, J.; Yazdani, B.; Baltazar, J.C.; Do, S. L.; Ellis, S.; Mukhopadhyay, J.; Parker, P.; Degelman, L.; Zilbertstein, G.; Claridge, D.	Link
ESL-TR-14-11-02	2013 TCEQ Annual Report Volume II. Energy Systems Laboratory, Texas A&M University	Haberl, J.; Yazdani, B.; Baltazar, J.C.; Do, S. L.; Ellis, S.; Mukhopadhyay, J.; Parker, P.; Degelman, L.; Zilbertstein, G.; Claridge, D.	Link
ESL-TR-14-11-03	Detailed Stringency Analysis of Suggested Amendments to Chapter 11 of the 2015 IRC and the 2015 IECC that were Submitted to the Texas State Energy Conservation Office (SECO) during March 30-April 30, 2014 Comment Period	Mukhopadhyay, J.; Zilbertstein, G.; Ellis, S.; Baltazar, J.C.; Haberl, J.; Yazdani, B.	Link
ESL-TR-14-11-04	Comparing the Commercial Provisions for the 2015 IECC with the Corresponding Provisions in the 2012 IECC for Commercial Construction in Texas.	Mukhopadhyay, J.; Baltazar, J.C.; Ellis, S.; Haberl, J.; Yazdani, B.	Link
ESL-KT-14-11-01	Embracing the New Era of Energy	Sandifer, C.	Link
ESL-KT-14-11-02	Energy Efficiency Program Overview	Mutiso, S.	Link
ESL-KT-14-11-03	Benchmarking & Energy Master Planning in Schools	Bronk, S.	Link
ESL-KT-14-11-04	Oncor Energy Efficiency Programs	Betts, C.	Link
ESL-KT-14-11-05	SPRING ISD CATEE 2014	Windsor, J.	Link
ESL-KT-14-11-06	Bearwall Energy Efficient Solutions	Sovero, M.	Link
ESL-KT-14-11-07	CenterPoint Energy Healthcare Energy Efficiency Program (HEEP)	Dzierski, D.	Link
ESL-KT-14-11-08	CATEE Conference 2014 Fried, Luzzatto & Co.	Brickey, A.	Link
ESL-KT-14-11-09	Online Marketplace for Residential Measures	Ashe, J.	Link
ESL-KT-14-11-10	Strategies and Project Delivery Methods for Capital Improvement Projects	White, D.	Link
ESL-KT-14-11-11	2015 IECC: What's new in next edition?	Ellis, S.	Link
ESL-KT-14-11-12	NCTCOG Solar Ready II Project: Clean Air Through Energy Efficiency	Clark, L.	Link
ESL-KT-14-11-13	Comfort by Design: An Introduction to HVAC's Variable Refrigerant Flow (VRF) Technology	Reihl, K.	Link
ESL-KT-14-11-14	Benchmarking and Data Analysis	Williams, K.	Link
ESL-KT-14-11-15	Case Study: Goose Creek CISD	White, D.	Link
ESL-KT-14-11-16	Energy Stability: How to Continually move your schools to a deeper shade of green	Corbitt, C.	Link
ESL-KT-14-11-17	Energy Efficiency and Energy Policy	Claridge, D.	Link
ESL-KT-14-11-18	CPS Energy Prospective on the EPA Proposed Carbon Rule	Smith, R.	Link
ESL-KT-14-11-19	Climate Rules--Could Create Jobs and Reduce Costs for Texans	Smith, T.	Link
ESL-KT-14-11-20	Clean Power Plan: Reducing Carbon Pollution From Existing Power Plants	Bremer, K.	Link
ESL-KT-14-11-21	CATEE Conference 2014 Fried, Luzzatto & Co.	Friedman, B.	Link
ESL-KT-14-11-22	Innovative Technologies and Techniques	Samano, R.; Swinford, S.	Link
ESL-KT-14-11-23	Designing the Future Energy System for Cleaner Air: A National Laboratory Perspective	Cale, J.	Link
ESL-KT-14-11-24	2014 CATEE: Collaboration is the Key- Public/Private Partnerships	Lin, L.	Link
ESL-KT-14-11-25	Integrated Design: Because Nothing Lasts Longer Than Bad Design	Westbrook, P.	Link
ESL-KT-14-11-26	Commercial & Institutional Green Building Performance	Harrison, S.; Mundell, C.; Meline, K.; Kraatz, J.	Link
ESL-KT-14-11-27	CATEE: Clean Air Through Energy Efficiency Conference	Tillman, S.	Link
ESL-KT-14-11-28	Groundbreaking High-Performance Building Districts	Jordan, J.	Link
ESL-KT-14-11-29	Smart Financing for Smart Cities	Byrd, D.	Link
ESL-KT-14-11-30	EE/RE in the 83rd Texas Legislature-updates	Taylor, W.	Link
ESL-KT-14-11-31	LoneSTAR Program: Maximizing Energy Efficiency while Protecting the Environment	Trevino, E.	Link
ESL-KT-14-11-32	Reducing Water Use in Buildings	Schulz, J.	Link
ESL-KT-14-11-33	Better Buildings Challenge U.S. Department of Energy Fort Worth	Roskelly, A.	Link
ESL-KT-14-11-34	Lady Bird Johnson Middle School	Scrivner, J.	Link
ESL-KT-14-11-35	PACE in Texas 101	Stone, R.	Link
ESL-KT-14-11-36	PACE-Texas Market Potential	Drieling, V.	Link
ESL-KT-14-11-37	Tools and Equipment	Ugursal, A.	Link
ESL-KT-14-11-38	Continuous Commissioning Measures	Yugua, C.	Link
ESL-KT-14-11-39	Measurement and Verification (M&V)	Masuda, H.	Link
ESL-KT-14-11-40	Case Study: Continuous Commissioning and Energy Management at Alamo Colleges, San Antonio, TX	Martinez, J. T.	Link
ESL-KT-14-11-41	Definitions: Types of Commissioning	Martinez, J. T.	Link
ESL-KT-14-11-42	International Energy Conservation Code 2012 & 2015	Ellis, S.	Link
ESL-KT-14-11-43	Energy Efficiency and Renewable Energy Impacts on Emission Reductions	Haberl, J.; Bahman, Y.	Link
ESL-KT-14-11-44	The State of Energy Codes in Texas	Herbert, C.	Link
ESL-KT-14-11-45	Sustainable Energy Management Programs	Hanner, S.	Link
ESL-KT-14-11-46	Texas: Quality of Life at the Crossroads	Ronquillo, M.	Link
ESL-KT-14-11-47	The Goal of Net Zero	Ronquillo, M.	Link
ESL-PA-14-12-01	Building Information Modeling (BIM) – Based Daylighting Simulation and Analysis, <i>Energy and Building</i> , Volume 81	Kota, S.; Haberl, J.; Yan, W.; Clayton, M.	Link
ESL-TH-14-12-01	Development of an Automated Fault Detection and Diagnostic Tool for Unitary HVAC Systems at Industrial Energy Audits	Parikh, P.; Rasmussen, B. P.	Link
ESL-TH-14-12-02	Analysis of the Impact if Using Improved Multi-layer Window Models for Code-Compliant Residential Building Energy Simulation in Texas	Choi, J. H.	Link
ESL-TH-14-12-03	Electrical Demand and Analysis Software Tool Suite and Automatic Report Generation for Energy Audits	Morelli, F.; Rasmussen, B.	Link
ESL-TH-14-12-04	Development and Testing of a Prototype Pilot Expansion Valve for Vapor Compression Systems	Pete, E. L. Y.; Rasmussen, B.	Link
ESL-PA-15-01-01	A Framework to Integrate Object-Oriented Physical Modelling with Building Information Modelling for Building Thermal Simulation	Jeong, W.; Kim, J. B.; Clayton, M.; Haberl, J.; Yan, W.	Link
ESL-PA-15-01-02	Optimal Setpoints for HVAC Systems via Iterative Cooperative Neighbor Communication, <i>ASME Journal of Dynamic Systems, Measurement, and Control</i>	Elliott, M.; Rasmussen, B.	Link
ESL-PA-15-01-03	Algorithm for Automating the Selection of a Temperature Dependent Change Point Model, <i>Energy and Buildings</i>	Claridge, D.; Culp, C.; Mitchell, P.	Link
ESL-PA-15-01-04	Improving Monthly Weather-Normalized Energy use Model: Building Energy Use Classification Based on Occupancy, <i>ASHRAE Transactions-Research</i> , Vol. 121, Pt.1	Kim, H.; Haberl, J.	Link

ESL-TH-15-01-04	Development and Testing of a Prototype Pilot Expansion Valve for Vapor Compression Systems	Pete, E.; Rasmussen, B.	Link
ESL-PA-15-02-01	A Framework to Integrate Object-Oriented Physical Modelling with Building Information Modelling for Building Thermal Simulation, <i>Journal of Building Performance Simulation</i> , Taylor & Francis	Jeong, W.; Kim, J.; Clayton, M.; Haberl, J.; and Yan, W.	Link
ESL-PA-15-02-02	Developing a Physical BIM Library for Building Thermal Energy Simulation, <i>Automation in Construction</i> , Elsevier, Volume 50	Kim, J.; Jeong, W.; Clayton, M.; Haberl, J.; and Yan, W.	Link
ESL-PA-15-02-03	Methodology for Adjusting Residential Cooling and Heating Seasonal Performance Ratings to Exclude Supply Fan Energy, <i>ASHRAE HVAC&R Journal</i>	Kim, H.; Haberl, J.; Baltazar, JC	Link
ESL-PA-15-04-01	Development of Methodology for Calibrated Simulation in Single-family Residential Buildings using Three-parameter Change-point Regression Model	Kim, K. H.; Haberl, J.	Link
ESL-PA-15-04-02	Development of A Methodology for Calibrated Simulation In Single-Family Residential Buildings using Three-Paramter Change-point Model, <i>Energy and Buildings</i> , Vol. 99, pp. 140 - 152	Kim, K. and Haberl, J.	Link
ESL-PA-15-05-01	Life Cycle Costs and Field Performance Studies of a Domestic Rainwater Harvesting Application in a Humid, Sub-tropical, Metropolitan Environment, <i>ASCEWRI World Environmental and Water Resources Congress</i>	Pate, M.; Sweeney, J.	Link
ESL-TH-15-05-01	A Study of Remote, Cold Regions Habitations and Design Recommendations for New Dormitory Buildings in McMurdo Station, Antarctica	David, G.	Link
ESL-TH-15-05-02	Experimental Evaluation of Silicon Expansion Valves for Refrigeration Systems	Gao, K.; Rasmussen, B.	Link
ESL-TH-15-05-03	A Long-Term Building Energy Study of Energy Usage and Thermal Comfort in Religious Facilities	Terrill, T.J.; Rasmussen, B. P.	Link
ESL-TH-15-05-04	Analysis of a Long-Term Building Energy Study to Evaluate Energy Usage and Thermal Comfort in Religious Facilities	Terrill, T.J.; Rasmussen, B. P.	Link
ESL-PA-15-06-01	Development of a Home Energy Audit Methodology for Determining Energy-Efficient, Cost-Efficient Measures in Existing Single-Family Houses Using an Easy-to-use Simulation	Kim, K. H.; Haberl, J.	Link
ESL-PA-15-06-02	Development of an Automated Fault Detection Tool for Unitary Air Conditioners at Industrial Energy Audits, <i>Proceedings of the 2015 Industrial Energy Technology Conference</i>	Parikh, P.; Pasmussen, B. P.	Link
ESL-PA-15-06-03	Development of a Home Energy Audit Methodology for Determining Energy-Efficient, Cost-effective Measures in Existing Single-Family Houses Using an Easy-to-Use Simulation, <i>Building Simulation</i> , Vol. 8, No. 5, pp. 515-528	Kim, K. and Haberl, J.	Link
ESL-TR-15-06-01	Supplemental Simulation Case Studies of Dynamic Evaporator Modeling Paradigms with Variable Fluid Phases	Rodriguez, E.; Rasmussen, B.	Link
ESL-IE-15-06-31	How to Avoid Danger, Damage, and Dollars Lost in Steam Systems	Risko, J. R.	Link
ESL-IE-15-06-40	Simulating Energy Efficient Control of Multiple-Compressor Compressed Air Systems	Murphy, S.	Link
ESL-PA-15-07-01	A Comparison of Modeling Paradigms for Dynamic Evaporator Simulations with Variable Fluid Phases, <i>Applied Thermal Engineering</i>	Rodriguez, E.; Rasmussen, B.	Link
ESL-PA-15-07-02	A Nonlinear Reduced Order Modeling Method for Dynamic Two-Phase Flow Heat Exchanger Simulations, <i>Science and Technology for the Built Environment</i>	Rodriguez, E.; Rasmussen, B.	Link
ESL-PA-15-07-03	Simulation and Validation of Interior and Exterior Navigational Strategies for Autonomous Robotic Assessments of Energy, <i>Proceedings of the 2015 American Control Conference</i>	Bay, C.; Rasmussen, B.	Link
ESL-PA-15-07-04	Neighbor-Communication Distributed Model Predictive Control for Coupled and Constrained Subsystems in Networks, <i>Proceedings of the 2015 American Control Conference</i>	Jalal, R.; Rasmussen, B.	Link
ESL-PA-15-08-01	Limited-Communication Distributed Model Predictive Control for Coupled and Constrained Linear Systems, <i>IEEE Trans. Control Systems Technology</i>	Jalal, R.; Rasmussen, B.	Link
ESL-PA-15-08-02	Enhanced Opportunities for Energy Savings in Industrial Facilities through Long-term Monitoring, <i>Proceedings of the 2015 ACEEE Summer Study on Energy Efficiency in Industry</i>	Terrill, T.; Rasmussen, B.	Link
ESL-PA-15-08-03	Methodology to Develop the Airport Terminal Building Energy Use Intensity (ATB-EUI) Benchmarking Tool	Haberl, J.; Zilbershtein, G.; Baltazar, JC.; Mao, C.; Ugursal, A.; Nelson, I.; Parker, P.; Yazdani, B.; Martinez, J.; Cho, S.; Sratakes, T.; Jiang, A.; Dong, L.; Hussain, M.	Link
ESL-PA-15-09-01	Quantifying Efficiency Gains of Refrigeration Systems Using Advanced Expansion Valve Technology, <i>ASHRAE Transactions</i>	Gao, K.; Rasmussen, B.	Link
ESL-PA-15-09-02	Control and Optimization of Vapor Compression Systems Using Recursive Estimation, <i>ASHRAE Transactions</i>	Bay, C.; Rani, A.; Rasmussen, B.	#VALUE!
ESL-PA-15-10-01	Improving Monthly Weather-Normalized Energy Use Model: Building Energy Use Classification Based on Occupancy. ASHRAE Technical Report	Kim, K. H.; Haberl, J.	Link
ESL-PA-15-10-02	Development of Methodology for Determination of Energy-Efficient and Cost-Effective Measures in Existing Single-family Residential Buildings using Easy-to-use Simulation, <i>Energy and Building</i>	Kim, K. H.; Haberl, J.	Link
ESL-PA-15-10-03	Emulation of Semi-Active Flow Control for Evaporator Superheat Regulation, <i>Applied Thermal Engineering</i>	Ellis, S.; Rasmussen, B.	Link
ESL-PA-15-10-04	Effective Tuning of Cascaded Control Loops for Nonlinear HVAC Systems, <i>Proceedings of the 2015 Dynamic Systems and Control Conference</i>	Price, C.; Rasmussen, B.	Link
ESL-TR-15-10-01	TCEQ 2014 Annual Preliminary Report: Integrated NOx Emissions Savings from EE/RE Programs Statewide	Haberl, J.; Yazdani, B.; Baltazar, JC.; Do, S. L.; Ellis, S.; Mukhopadhyay, J.; Parker, P.; Degelman, L.; Zilbertshtein, G.; Claridge, D.	Link
ESL-TR-15-11-01	TCEQ 2014 Annual Report Volume I: Technical Report	Haberl, J.; Yazdani, B.; Baltazar, JC.; Do, S. L.; Ellis, S.; Mukhopadhyay, J.; Parker, P.; Degelman, L.; Zilbertshtein, G.; Claridge, D.	Link
ESL-TR-15-11-02	TCEQ 2014 Annual Report Volume II: Technical Appendix	Haberl, J.; Yazdani, B.; Baltazar, JC.; Do, S. L.; Ellis, S.; Mukhopadhyay, J.; Parker, P.; Degelman, L.; Zilbertshtein, G.; Claridge, D.	Link
ESL-PA-15-12-01	The Current Industry Methods of Quantifying Energy Service Projects: Key Findings and Lessons Learned, <i>ASCE Journal of Architectural Engineering</i>	Kim, A.; Haberl, J.; Anderson, S.	Link
ESL-PA-15-12-02	Comparison between Current Industry Methods and an Energy Simulation Model for Quantifying Energy Service Projects, <i>ASCE Journal of Architectural Engineering</i>	Kim, A.; Haberl, J.; Anderson, S.	Link

ESL-PA-15-12-03	An Evaluation of HVAC Energy Usage and Occupant Comfort in Religious Facilities, <i>Science and Technology for the Built Environment</i>	Terrill, T.; Rasmussen, B.	Link
ESL-PA-15-12-04	Long-Term Experimental Analysis of Occupancy and Lighting in Religious Facilities, <i>Building and Environment</i>	Terrill, T.; Morelli, F.; Rasmussen, B.	Link
ESL-PA-15-12-05	Energy Analysis of Religious Facilities in Different Climates through a Long Term Energy Study, <i>Energy and Buildings</i>	Terrill, T.; Morelli, F.; Rasmussen, B.	Link
ESL-PA-15-12-06	Identification and Elimination of Hunting Behavior in HVAC Systems, <i>ASHRAE Transactions</i>	Chintala, R.; Price, C.; Liang, S.; Rasmussen, B.	Link
ESL-PA-15-12-08	HVAC Nonlinearity Compensation using Cascaded Control Architectures, <i>ASHRAE Transactions</i>	Price, C.; Chintala, R.; Rasmussen, B.	Link
ESL-PA-15-12-09	Distributed Predictive Optimization of a Building HVAC System, <i>ASHRAE Transactions</i>	Elliott, M.; Rasmussen, B.	Link
ESL-PA-15-12-10	Comparisons Between Current Industry Methods and Calibrated As-built, Whole-building Simulation Model for Quantifying Energy Service Projects, <i>ASCE Journal of Architectural Engineering</i>	Kim, A.; Haberl, J.; Anderson, S.	Link
ESL-PA-15-12-11	The Current Industry Methods of Quantifying Energy Service Projects: Key Findings and Lessons Learned, <i>ASCE Journal of Architectural Engineering</i>	Kim, A.; Haberl, J.; Anderson, S.	Link
ESL-TR-16-02-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of January 2016	Li, X.; Sun, Y.; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-16-03-01	Quality Assurance Project Plan (QAPP) for Statewide NOx Emission Assessment of Energy Efficiency/ Renewable Energy (EE/RE) Programs in Texas	Haberl, J.; Yazdani, B.; Baltazar, J.C.; Do, S. L.; Ellis, S.; Parker, P.; Degelman, L.; Zilbertshtein, G.; Claridge, D.	Link
ESL-TR-16-03-02	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of February 2016	Li, X.; Sun, Y.; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-16-04-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of March 2016	Li, X.; Sun, Y.; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-16-05-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of April 2016	Li, X.; Sun, Y.; Jone, K.; Hongxiang; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-16-06-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of May 2016	Li, X.; Sun, Y.; Jone, K.; Hongxiang; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-16-07-01	Determination of Prescriptive Tradeoff Code Compliance Options for the NCTCOG Region	Do, S.; Li, Q.; Baltazar, J.C.; Haberl, J.; Ellis, S.; Yazdani B.	Link
ESL-TR-16-07-02	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of June 2016	Li, X.; Sun, Y.; Jone, K.; Hongxiang; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-16-08-02	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of July 2016	Li, X.; Sun, Y.; Jone, K.; Hongxiang; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-16-09-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of August 2016	Li, X.; Jone, K.; Hongxiang; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-16-10-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Preliminary Report: Integrated NOx Emissions Savings from EE/RE Programs Statewide	Haberl, J.; Baltazar, J.C.; Yazdani, B.; Parker, P.; Ellis, S.; Zilbertshtein, G.; Claridge, D.	Link
ESL-TR-16-10-02	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of September 2016	Li, X.; Jone, K.; Hongxiang; Baltazar, J.C.; Claridge, D.	Link
ESL-PA-16-01-01	Life Cycle Production and Costs of a Residential Solar Hot Water and Grid-connected Photovoltaic System in Humid Subtropical Texas, <i>Journal of Renewable and Sustainable Energy</i>	Sweeney, J.; Pate, M.; Choi, W.	Link
ESL-PA-16-01-03	Origins of the Methods for Simulation of Building Energy Simulation: Part II: Lighting and Daylighting Simulation, <i>Science and Technology for the Built Environment</i> , Volume 22, Issue 1, pp. 107-117	Oh, S.; Haberl, J.	Link
ESL-PA-16-01-04	Origins of the Methods for Simulation of Building Energy Simulation: Part III: Solar Thermal, PV and Passive Solar Simulation, <i>Science and Technology for the Built Environment</i> , Volume 22, Issue 1, pp. 87-106	Oh, S.; Haberl, J.	Link
ESL-PA-16-01-05	Development of a Reference Building Information Model (BIM) for Thermal Model Compliance Testing (RP-1468) Part 1: Guidelines for Generating Thermal Model Input Files (OR-16-020), <i>ASHRAE Transactions Research</i>	Kota, S.; Stipo, F.; Jeong, W.; Kim, J. B.; Alcocer, J. L. B.; Clayton, M.; Yan, W.; Haberl, J.	Link
ESL-PA-16-01-07	An Alternative Method for Measuring AHU Static Pressure Following ASHRAE Standard 37: Scenario 1- Horizontal Ducts and Elbows (RP-1581), <i>Science and Technology for the Built Environment</i>	Pate, M.; Wheeler, G.	Link
ESL-PA-16-02-01	Influence of Reduced VAV Flow Settings on Indoor Thermal Comfort in an Office Space, <i>Building Simulation</i> , Vol. 9, pp. 101-111	Gangiseti, K.; Claridge, D.; Srebric, J.; Paulus, M.T.	Link
ESL-PA-16-03-01	Effects of Operating Temperature on the Heat Transfer Characteristics of Photovoltaic Systems in the Upper Midwest, <i>ASME Journal of Thermal Science and Engineering Applications</i>	Choi, W.; Pate, M.; Warren, R.; Nelson, R.	Link
ESL-PA-16-03-02	Experimental Performance Evaluations and Empirical Model Developments of Residential Furnace Blowers with PSC and ECM Motors, <i>Journal of Building Engineering</i>	Sweeney, J.; Pate, M.; Yin, P.	Link
ESL-PA-16-03-03	An Experimental Performance Analysis of a Cold Region Stationary Photovoltaic System, <i>Journal of Advances in Energy Research</i>	Pate, M.; Warren, R.; Choi, W.	Link
ESL-PA-16-03-04	Study of Bathroom Ventilation Fan Performance Trends for Years 2005 to 2013—Data Analysis of Loudness and Efficacy, <i>Energy and Buildings</i>	Pate, M.; Sweeney, J.; Choi, W.	Link
ESL-TH-16-04-01	Analysis of Building Peak Cooling Load Calculation Methods for Commercial Buildings in the United States	Mao, C.	Link
ESL-PA-16-05-01	Development and Validation of a Custom-built Ground Heat Exchanger Model for a Case-Study Building, <i>Energy and Buildings</i> , Vol. 119, pp. 242-255	Do, S.L.; Haberl, J.	Link
ESL-TH-16-05-01	Dynamic Simulation and Control Design Tools for Heat Pump Systems	Wang, C.; Rasmussen, B.	Link
ESL-TH-16-05-04	Limited Communication Distributed MPC	Jalal, R.; Rasmussen, B.	Link
ESL-PA-16-06-01	Impact of Operating Pressure on Residential Bathroom Exhaust Fan Performance, <i>Journal of Building Engineering</i>	Sweeney, J.; Pate, M.; Yin, P.	Link
ESL-PA-16-07-02	Limited-Communication Distributed Model Predictive Control for Output Feedback Coupled Subsystems, <i>Proceedings of the 2016 American Control Conference</i>	Jalal, R.; Rasmussen, B.	Link
ESL-PA-16-07-03	Exploring Controls Education: A Re-configurable Controls Education Kit, <i>Proceedings of the 2016 American Control Conference</i>	Bay, C.; Rasmussen, B.	Link
ESL-PA-16-07-04	Control and Optimization of Vapor Compression Systems Using Recursive Estimation	Bay, C.; Rani, A.; Rasmussen, B.	Link

ESL-PA-16-08-01	Development Procedure of an Air-Source Heat Pump, Base-Case Simulation Model for a Code-Compliant Residential Building, <i>Energy and Buildings</i> , Vol. 107, pp. 11 – 25	Do, S.L.; Haberl, J.	Link
ESL-PA-16-08-02	Modeling to Predict Positive Pressurization Required to Control Mold Growth from Infiltration in Buildings in a Hot and Humid Climate, <i>Building and Environment</i> , Vol. 104, pp. 102 – 113	Chen, W.J.; Claridge, D.; Rohrs, C.; and Liao, J.	Link
ESL-PA-16-08-03	Impact of Duct Flow Resistance on Residential Heating and Cooling Energy Use in Systems with PSC and ECM Blowers, <i>Energy and Buildings</i>	Pate, M.; Yin, P.	Link
ESL-PA-16-10-01	Autonomous lighting assessments in buildings: part 1 – robotic navigation and mapping	Bay, C.J.; Terrill, T.J.; and Rasmussen, B.	Link
ESL-PA-16-10-02	Autonomous lighting assessments in buildings: part 2 – light identification and energy analysis	Bay, C.J.; Terrill, T.J.; and Rasmussen, B.	Link
ESL-PA-16-11-01	Influence of Reduced VAV Flow Settings on Indoor Thermal Comfort in an Office Space,” <i>Building Simulation</i> , Vol. 9, pp. 101-111	Gangiseti, K.; Claridge, D.E.; Srebric, J. and Paulus, M.T.	Link
ESL-PA-16-11-02	Modeling to Predict Positive Pressurization Required to Control Mold Growth from Infiltration in Buildings in a Hot and Humid Climate,” <i>Building and Environment</i> , Vol. 104, pp. 102 – 113	Chen, W.J.; Claridge, D.E.; Rohrs, C. and Liao, J.	Link
ESL-TR-16-11-03	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of October 2016	Li, X.; Jone, K.; Hongxiang; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-16-12-02	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of November 2016	Li, X.; Jone, K.; Hongxiang; Ruffin, A.; Baltazar, J.C.; Claridge, D.	Link
ESL-KT-16-12-01	Energy Efficiency and Renewable Energy Impacts on Emission Reductions	Haberl, J.; Yazdani, B.; Baltazar, J.C.	Link
ESL-KT-16-12-02	International & National Perspective on Energy Efficiency and Clean Air in Buildings	Atif, M.	Link
ESL-KT-16-12-03	Benchmarking and Profiling Airport Terminal Energy End Uses	Baltazar, Juan-Carlos	Link
ESL-KT-16-12-04	Houston Airport’s IAH Initiatives Project	Barker, R.	Link
ESL-KT-16-12-05	Central Texas Corridor - EDF	Bravo, M.	Link
ESL-KT-16-12-06	Defining Sustainability to Develop a Sustainability Management	Williams, A.; Raabe, P.; Ordeneaux, K.; Buckner, P.	Link
ESL-KT-16-12-07	1MW Grid-Scale Solar Storage Project	Lee, B.	Link
ESL-KT-16-12-08	Community Solar in Texas - Current State of the State	Clark, L.	Link
ESL-KT-16-12-09	When Hail Breaks Loose	Coker, M.	Link
ESL-KT-16-12-10	Municipal Utilities’ Engagement with Renewable Energy - Georgetown Utility Systems	Foster, C.	Link
ESL-KT-16-12-11	UTSA Flow Battery Testing and Demonstration Project	Gomez, J.	Link
ESL-KT-16-12-12	Overview of Geothermal Energy in Texas - Geothermal Technology and Spotlight Projects	Gregoire, D.	Link
ESL-KT-16-12-13	Overview of Solar Energy in Texas - Texas Solar Market Update	Hemmeline, C.	Link
ESL-KT-16-12-14	Geothermal Power and Desalination	Jackson, J.	Link
ESL-KT-16-12-15	Overview of Energy from Landfill Gas in Texas	Pabor, P.	Link
ESL-KT-16-12-16	Energy Management at Toronto Pearson Airport	Patel, R.	Link
ESL-KT-16-12-17	Tracking the Multiple Benefits of Industrial Energy Efficiency	Rasmussen, B.	Link
ESL-KT-16-12-18	SECO Regional Benchmarking Tool	Ronk, J.	Link
ESL-KT-16-12-19	Industrial Energy Efficiency and Combined Heat and Power	Ronk, J.	Link
ESL-KT-16-12-20	The Perspective of an Electric Cooperative on Renewable Energy	Sterzing, I.	Link
ESL-KT-16-12-21	Regional and Community Programs	Jones, N.	Link
ESL-KT-16-12-22	2030 Districts in Texas	Kertesz, E.	Link
ESL-KT-16-12-23	SA Tomorrow Sustainability Plan: A Vision for a Sustainable San Antonio	Melnick, D.	Link
ESL-KT-16-12-24	Texas Field Study – Implementing Targeted Education and Outreach	Morgan, R.	Link
ESL-KT-16-12-25	CPS Energy’s Generation Strategy - Municipal Utility Perspective	Stoker, K.	Link
ESL-KT-16-12-26	Energy Management at Alamo Colleges	Strybos, J.	Link
ESL-KT-16-12-27	SECO Update	Taylor, D.	Link
ESL-KT-16-12-28	SolSmart Designation and Soft Cost Reduction Strategies	Laurent, C.	Link
ESL-KT-16-12-29	When Making a Difference, Really Makes a Difference	Tooley, J.	Link
ESL-KT-16-12-30	Municipal Utility Case Study	Wagner, S.	Link
ESL-KT-16-12-31	Transmission and Distribution Utilities and Retail Electricity Providers – Solar Costs, Incentives, and Trends	Wiese, S.	Link
ESL-KT-16-12-32	Why Does the Energy-Water Nexus Matter?	Zerrenner, K.	Link
ESL-KT-16-12-33	CATEE 2016 Opening General Session - Welcome	Santos, B.	Link
ESL-KT-16-12-34	History of Energy Management at Judson ISD	Oehler, D.; Jimenez, M.	Link
ESL-KT-16-12-35	Overview of Wind Energy in Texas	Sloan, S.	Link
ESL-KT-16-12-36	Austin Energy’s Energy Efficiency Programs	Kuehn, D.	Link
ESL-KT-16-12-37	Introduction of the TX A&M IC3 Energy Code Compliance Tool & Other Code Compliance Tools	Ellis, S.	Link
ESL-KT-16-12-38	Research and Compliance Tools for Energy Codes	Yebra, F.; Ellis, S.; Morgan, R.	Link
ESL-KT-16-12-39	PACE: Financing for Efficiency Projects	Blackburn, J.	Link
ESL-KT-16-12-40	Central Texas Corridor	Hoekzema, A.; Blazosky, A.; Bravo, M.; Jones, N.	Link
ESL-KT-16-12-41	Texas Metro Area Roundtable: Energy Initiatives and Ozone Attainment/Maintenance Efforts	Cook, T.; Clark, L.	Link
ESL-KT-16-12-42	Energy Efficiency and Renewable Energy Impacts on Emission Reductions	Haberl, J.	Link
ESL-TH-16-12-01	Limited Communication Distributed Model Predictive Control for HVAC Systems	Jalal, R. E.	Link
ESL-PA-17-01-01	Experimental Comparison of Energy-Optimal Coordinated Control Strategies for Heat Pump Systems	Wang, C.; Rasmussen, B.; and Wynn K.	Link
ESL-PA-17-04-01	Development of a Ground-coupled Heat Pump System Simulation Model Using G-function Approximation for a Residential Code-compliant Tool	Do, S.L.; Haberl, J.	Link
ESL-TR-17-01-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of December 2016	Li, X.; Jone, K.; Hongxiang; Ruffin, A.; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-17-02-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of January 2017	Li, X.; Jone, K.; Hongxiang; Ruffin, A.; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-17-03-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of February 2017	Li, X.; Jone, K.; Hongxiang; Ruffin, A.; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-17-04-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of March 2017	Li, X.; Jone, K.; Hongxiang; Ruffin, A.; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-17-05-02	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of April 2017	Li, X.; Jone, K.; Hongxiang; Ruffin, A.; Baltazar, J.C.; Claridge, D.	Link

ESL-TR-17-06-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of May 2017	Li, X.; Jone, K.; Hongxiang; Ruffin, A.; Baltazar, JC.; Claridge, D.	Link
ESL-TR-17-07-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of June 2017	Li, X.; Jone, K.; Hongxiang; Ruffin, A.; Baltazar, JC.; Claridge, D.	Link
ESL-KT-17-07-02	Texas Leads the Nation in Cost-Effective Energy Savings Potential	Sass Byrnett, D	Link
ESL-KT-17-07-03	Are We There Yet? The Current State and Impact of Alternative Fuels	Clark, L.	Link
ESL-KT-17-07-04	The Future of Utility-Scale Renewable Energy in Texas: Cheaper, Cleaner Energy	Deatherage, S.	Link
ESL-KT-17-07-05	Roadmap to Developing Geothermal Energy in Texas	Batir, J.	Link
ESL-KT-17-07-06	100% Renewable Cities in Texas	McAndrews, N.	Link
ESL-KT-17-07-07	Commercial Property Assessed Clean Energy (TX-PACE) Financing: 101	Branch, B.	Link
ESL-KT-17-07-08	Bearwall Energy Efficient Solutions	Sovero, M.	Link
ESL-KT-17-07-09	Groundbreaking High-Performance Building Districts	Moolji, S.	Link
ESL-KT-17-07-10	Energy Codes Texas Style	Yebra, F.	Link
ESL-KT-17-07-11	Third Party Energy Inspections & Overview of a Third Party Inspection Program	Vandever, J.	Link
ESL-KT-17-07-12	Energy Codes Software - Details That Matter	Ellis, S.	Link
ESL-KT-17-07-13	City of Plano Air Quality Initiatives	Pharmakis, A.	Link
ESL-KT-17-07-14	Air North Texas: A Clean Air Campaign for North Central Texas	Vandiver, W.	Link
ESL-KT-17-07-15	Status and Trends in Distributed Solar	Howe, R.	Link
ESL-KT-17-07-16	Talking to a Prospective Solar Installer	Abdalla, M.	Link
ESL-KT-17-07-17	Community Solar in the Lone Star State	Searcy, K.	Link
ESL-KT-17-07-18	The Life Cycle of an Energy Management Program	Coker, M.; Helm, D.; Minor, J.	Link
ESL-KT-17-07-19	Dallas/Fort Worth International Airport - 1st Carbon Neutral Airport in North America	Dennis, J.	Link
ESL-KT-17-07-20	Municipal Tracking and Reporting of GHGs	Gregory, J.	Link
ESL-KT-17-07-21	Technical and Economic Potential of Purifying Brackish Groundwater on Texas State Lands	Aminfar, S.	Link
ESL-KT-17-07-22	Microgrids: Pathways to Sustainability & Resiliency - An Introduction	Braddock, C.	Link
ESL-KT-17-07-23	Incorporating Sustainability	Scrivner, J.	Link
ESL-KT-17-07-24	Ensuring Efficiency is Present Through Construction	Boyter, B.	Link
ESL-KT-17-07-25	Challenges Implementing an Exterior LED Lighting Program	Malaniuk, J.	Link
ESL-KT-17-07-26	Demand Response and Response to Energy Savings Initiative	Melton, V.; Shaw, B.	Link
ESL-KT-17-07-27	Building a Case for Owning the Utility Budget	Ashby, C.	Link
ESL-KT-17-07-28	Texas Emissions Reduction Plan (TERP)	Fleming, J.	Link
ESL-KT-17-07-29	LoanSTAR Revolving Loan Program	Trevino, E.	Link
ESL-PA-17-07-30	Simplified Field Measurement and Verification of Global Solar Transmittance for Glazing Samples Under Natural Clear-Sky Conditions, <i>Solar Energy</i> , Vol. 155, pp. 706 – 714	Song, S.; Haberl, J.	Link
ESL-PA-17-07-31	Autonomous Robotic Building Energy Audits: Demonstrated Capabilities and Open Challenges	Bay, C.J.; Terrill, T.J.; and Rasmussen, B.	Link
ESL-TR-17-08-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of July 2017	Li, X.; Jone, K.; Hongxiang; Ruffin, A.; Baltazar, JC.; Claridge, D.	Link
ESL-TH-17-08-02	Advancements in the Industrial Internet of Things for Energy Efficiency	Terrill, T.J.; Rasmussen, B.	Link
ESL-PA-17-08-01	A Comparison of Static and Dynamic Fault Detection Techniques for Transcritical Refrigeration	Janecke, A.; Terrill, T.J.; and Rasmussen, B.	Link
ESL-PA-17-08-02	Side-by-side Tests of a Net-zero Energy Building	Shin, M.; Baltazar, JC.; Haberl, J.; Frazier, E.; Lynn, B.	Link
ESL-TR-17-09-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of August 2017	Li, X.; Jone, K.; Hongxiang; Baltazar, JC.; Claridge, D.	Link
ESL-PA-17-09-02	Field Test of the ASHRAE/CIBSE/USGBC Performance Measurement Protocols: Part I - Intermediate Level Protocols, <i>Science and Technology for the Built Environment</i>	Kim, H.; Haberl, J.	Link
ESL-PA-17-09-03	Field Test of the ASHRAE/CIBSE/USGBC Performance Measurement Protocols: Part II – Advanced Level Protocols, <i>Science and Technology for the Built Environment</i>	Kim, H.; Haberl, J.	Link
ESL-TR-17-10-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of September 2017	Li, X.; Jone, K.; Hongxiang; Baltazar, JC.; Claridge, D.	Link
ESL-TR-17-11-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of October 2017	Li, X.; Jone, K.; Hongxiang; Baltazar, JC.; Claridge, D.	Link
ESL-TR-17-12-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of November 2017	Li, X.; Jone, K.; Hongxiang; Baltazar, JC.; Claridge, D.	Link
ESL-TH-17-12-01	Detecting of Lubrication Starvation in Ball Bearings by Means of Lateral and Torsional Vibrations	Mijares Tobias, J.	Link
ESL-TH-17-12-02	Quantifying the Electricity Savings from the Use of Home Automation Devices in a Residence	Oh, S.	Link
ESL-TR-18-08-01	Statewide 2017 Air Emission Calculations from Wind and Other Renewables	Haberl, J.; Baltazar, JC.; Yazdani, B.; Claridge, D.; Jung, S.; Kheiri, F.; Shin, M.	Link
ESL-PA-18-03-01	Literature Review of Building Peak Cooling Load Design Methods for Commercial Buildings in the United States, <i>Science and Technology for the Built Environment</i> , Volume 24, No. 3, pp. 228-237	Mao, C.; Baltazar, JC.; Haberl, J.S.	Link
ESL-TH-18-05-01	A Methodology for Automating the Implementation of Advanced Control Algorithms such as Model Predictive Control on Large Scale Building HVAC Systems	Chintala, R.; Rasmussen, B.	Link
ESL-TH-18-08-01	Advancements in the industrial internet of things for energy efficiency	Terrill, T.J.	Link
ESL-TH-18-08-02	Development of a Procedure for Automating Thermal Zoning for Building Energy Simulation	Shin, M.	Link
ESL-KT-18-09-01	IOT / Analytics and your BMS	Vaughn, K.	Link
ESL-KT-18-09-02	The New Market for Electrical Resiliency In Texas	Vasquez, J.	Link
ESL-KT-18-09-03	Silsbee ISD SECO LoanSTAR Program	Smith, K.	Link
ESL-KT-18-09-04	CHP at JSC	McKinley, M.	Link
ESL-KT-18-09-05	Intelligent Efficiency: Rethinking the way we Leverage Data	Tolbert, Q.	Link
ESL-KT-18-09-06	2015 IECC and the IC3	Ellis, S.	Link
ESL-KT-18-09-07	Workshop on the Continuous Commissioning® Process	Claridge, D.	Link
ESL-KT-18-09-08	The University of Texas Medical Branch (UTMB) at Galveston and Hurrican Harvey	Bagley, B.	Link
ESL-KT-18-09-09	The Healthy Port Communities Coalition	Thomas, S.	Link
ESL-KT-18-09-10	Port Electrification: Growth and Opportunity	Dahagama, A.	Link
ESL-KT-18-09-11	2018 Texas Energy Summit presentation 1	Garza, S.	Link
ESL-KT-18-09-12	2018 Texas Energy Summit presention 2	Beydoun, M.	Link
ESL-KT-18-09-13	Energy Efficiency and Renewable Energy Impacts on NOx Emission Reductions in Texas	Haberl, J.; Yazdani, B.; Baltazar, JC.	Link
ESL-KT-18-09-14	Energy management program	Williams, A.	Link
ESL-KT-18-09-15	Energy Efficiency in the Public Sector: Case Studies Using State of Texas Low-interest Funding (LoanSTAR)	Yebra, F.	Link

ESL-KT-18-09-16	Energy Efficiency in Public Sector: Case studies using SECO LoanSTAR funding	Williams, L.	Link
ESL-KT-18-09-17	Energy Efficiency in the Public Sector: Case studies using State of Texas low-interest funding (LoanSTAR)	Walker, J.	Link
ESL-KT-18-09-18	Outlook for Electrification of the Transportation System	Owen, David	Link
ESL-KT-18-09-19	Texas Commission on Environmental Quality (TCEQ) Electric Vehicle Funding Opportunities	Dayton, S.	Link
ESL-KT-18-09-20	Austin Energy's Transportation Electrification Program	Beisner, K.	Link
ESL-KT-18-09-21	Clean energy for all: Exploring low income energy issues	Harmon, D.	Link
ESL-KT-18-09-22	Alternative Fuel Usage for Short Haul	McDonald, M.	Link
ESL-KT-18-09-23	Peterbilt Electric Truck Update	Kahn, B.	Link
ESL-KT-18-09-24	IKEA Home Deliveries – All In With EV	Atkins, A.	Link
ESL-KT-18-09-25	Strategic Importance of Energy Management : Houston Airport System	Baker, R.	Link
ESL-KT-18-09-26	Mobilizing Solar Owners for an Equitable Clean Energy Transition	Schoolman, A.	Link
ESL-KT-18-09-27	Resiliency from Microgrids, On Site Generation and Storage	Swinson, S.	Link
ESL-KT-18-09-28	New solutions for electrical resilience Texas Energy Summit	Schurr, A.	Link
ESL-KT-18-09-29	Exploring Natural Gas and Renewables in ERCOT, Part IV	Lippincott, E.	Link
ESL-KT-18-09-30	Exploring Natural Gas and Renewables in ERCOT, Part IV (Extended)	Lippincott, E.	Link
ESL-KT-18-09-31	Houston Methodist Hospital Large Customer Drive to Clean Energy	Flaniken, B.	Link
ESL-KT-18-09-32	Utility-scale and distribution-scale Renewable Energy opportunities for Large Energy-Users	Brehm, K.	Link
ESL-KT-18-09-33	LoanSTAR Revolving Loan Program	Trevino, E.	Link
ESL-KT-18-09-34	De Lage Landen Energy Efficiency Finance Clean Technology Business Unit	Turner, B.	Link
ESL-TH-18-11-01	Cascaded Control for Improved Building HVAC Performance	Price, C.	Link
ESL-PA-18-12-01	Comparison of ASHRAE peak cooling load calculation methods, Science and Technology for the Built Environment	Mao, C.; Baltazar, J.C.; Haberl, J.	Link
ESL-PA-19-01-01	Development of a Reference Building Information Model (BIM) for Thermal Model Compliance Testing: Part II – Test Cases and Analysis (AT-19-013), <i>ASHRAE Transactions Research</i>	Farias, F.; Kota, S.; Jeong, W.; Kim, J.B.; Bermudez Alcocer, J. L.; Haberl, J.S.; Clayton, M.; Yan, W.	Link
ESL-PA-19-03-01	An energy and life-cycle cost comparison of residential PSC and ECM blower systems operating at excess pressures due to restrictive ducts", <i>Journal of Building Engineering</i> , 2019, Volume 22, pp. 305-313.	Yin, P.; Pate, M.B.	Link
ESL-TH-19-04-01	Investigating the Level of Application of Passive/Natural Systems in the Design of Sustainable Buildings in the U.S.	Azizkhani, M.	Link
ESL-PA-19-05-01	A new approach for drying moist air: The ideal Claridge-Culp-Liu dehumidification process with membrane separation, vacuum compression and sub-atmospheric condensation, Vol. 101, pp. 211-217, May 2019	Claridge, D.E.; Culp, C.; Liu, W.; Pate, M.; Haberl, J.; Bynum, J.; Tanskyi, O.; Schaff, F.;	Link
ESL-TH-19-05-01	Investigating The Level of Application/Education of Passive/Natural Systems in the Design of Sustainable Buildings in the US	Azizkhani, M.	Link
ESL-PA-19-07-01	A review of fault detection and diagnosis methods for residential air conditioning systems	Austin Rogers, Fangzhou Guo, and Bryan Rasmussen	Link
ESL-TR-19-07-01	Application Evaluation of the Market Square Project, Cleveland, Ohio	Jeff S. Haberl, ; Baltazar, J.C.; , PE; Bahman L. Yazdani, PE; Ellis, S.; James A. Eggebrecht, PE; Zilbershtein, G.; ; J. Kelly Kissock, , PE	Link
ESL-TR-19-07-02	Statewide 2018 Air Emission Calculations from Wind and Other Renewables VOL I	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Claridge, D.; Jung, S.; Kheiri, F.; Kim, C.	Link
ESL-TR-19-07-03	Statewide 2018 Air Emission Calculations from Wind and Other Renewables VOL II	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Claridge, D.; Jung, S.; Kheiri, F.; Kim, C.	Link
ESL-PA-19-08-01	Thermal zoning for building HVAC design and energy simulation: A review, Science and Technology for the Built Environment	Shin, M.; Haberl, J.	Link
ESL-PA-19-08-02	A New Approach for Drying Moist Air: the Ideal Claridge-Culp-Liu Dehumidification Process with Membrane Separation, Vacuum Compression and Sub-atmospheric Condensation. <i>International Journal of Refrigeration</i> , 101-211-217	Bynum, J.; Claridge, D.; Culp, C.; Liu, W.; Pate, M.; Haberl, J.; Schaff, F.; Tanskyi, O.	Link
ESL-PA-19-08-03	Effects of indoor environmental parameters related to building HVAC systems on patients' medical outcomes: A review of scientific research on hospital buildings. <i>Indoor Air</i> . Reviews complete and accepted for publication in 2019	Shajahan, A.; Culp, C.	Link
ESL-TH-19-08-01	Fault detection and diagnosis methods for residential air conditioning systems using cloud-based data	Rogers, A.	Link
ESL-TH-19-08-02	Modeling and control architecture design of multi-evaporator pumped two-phase system	Gao, K.	Link
ESL-TH-19-08-03	Origins of whole-building energy simulation programs used for high performance commercial buildings: contributions of the mateus, shep, tacs, cp-26, cp-33 and resptk programs	Ahn, J.; Haberl, J.	Link
ESL-TH-19-08-04	A Comprehensive Evaluation of the Impact of Continuous Commissioning®	Ruffin, A.	Link
ESL-TH-19-08-05	An Optimized Plant For A District Heating And Cooling System Using Low-Grade Geothermal Fluids	Liao, J.	Link
ESL-TR-19-10-01	TCEQ 2018 Annual Preliminary Report	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Parker, P.; Ellis, S.; Zilbershtein, G.; Claridge, D.	Link
ESL-TR-19-10-02	TCEQ 2018 Annual Report Volume I	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Parker, P.; Ellis, S.; Zilbershtein, G.; Claridge, D.	Link
ESL-TR-19-10-03	TCEQ 2018 Annual Report Volume II	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Parker, P.; Ellis, S.; Zilbershtein, G.; Claridge, D.	Link
ESL-PA-19-10-01	Uncertainty analysis and field implementation of a fault detection method for residential HVAC systems	Rogers, A.; Guo, F.; Rasmussen, B.	Link
ESL-PA-19-10-01	Gasoline Particulate Filter Substrate Heterogeneity Effects on Its Performance	Yang, P.; Pate, M.; Strzelec, A.	Link
ESL-TH-19-10-01	A Thermal RC Model Including Thermal Mass and Solar Gain Effects for Building Energy Simulation	Mackenzie, A.	Link
ESL-PA-19-11-01	A simplified methodology to optimize the cooling tower approach temperature control schedule in a cooling system, <i>Energy Conversion and Management</i> , Vol. 199, 9 pp.	Liao, J.; Xie, X.; Nemer, H.; Claridge, D.; Culp, C.	Link

ESL-TR-19-12-01	Define Guidelines for Prospective Projects: Technical Support Services for Ohio Air Quality Development Authority (OAQDA), Task 3	Haberl, J.S.; Baltazar, J.C.; Yazdani, B.L.; Ellis, S.; Eggebrecht, J.A.; Kota, S.; Zilbershtein, G.; Kissock, J.K.	Link
ESL-PA-19-12-01	Evaluation of the energy performance of a net zero energy building in a hot and humid climate	Shin, M.; Baltazar, J.C.; Haberl, J.; Frazier, E.; Lynn B.	Link
ESL-PA-20-01-01	The Evolution of ASHRAE's Electronic Communication and Publication Technology	Haberl, J.; Comstock, S.; Hallstrom, A.; Stamper, G.	Link
ESL-PA-20-01-02	A Break-point Statistical Model for Building Heating Hot Water Consumption with Constant Volume Reheat Systems, Energy and Buildings, Vol. 206	Fu, H., Baltazar, J.C. and Claridge, D.E.	Link
ESL-PA-20-03-01	Analysis methods for characterizing energy saving opportunities from home automation devices using smart meter data	Oh, S.; Haberl, J. Baltazar J.C.	Link
ESL-PA-20-03-02	Analysis of zone-by-zone indoor environmental conditions and electricity savings from the use of a smart thermostat: A residential case study	Oh, S.; Haberl, J. Baltazar J.C.	Link
ESL-PA-20-04-01	The Design, Construction and Evaluation of a Test Chamber for Measuring Rangehood Capture Efficiency	Meleika, S.; Hicks, T.; Pate, M.; Sweeney, J.	Link
ESL-TH-20-05-01	Development of a prototype for integrating building information model (BIM) with daylighting simulation tools for designing high- performance buildings	Kota, S.	Link
ESL-PA-20-06-01	Steady-State Predictive Optimal Control of Integrated Building Energy Systems Using a Mixed Economic and Occupant Comfort Focused Objective Function	Bay, C.J.; Chintala, R.; and Rasmussen, B.	Link
ESL-PA-20-06-02	Assessment and discussion of the level of the application of passive/natural systems and daylighting systems by practitioners in the US	Azizkhani, M.; Haberl, J.	Link
ESL-TR-20-06-01	Project Technical Guidelines - Technical Support Services for Ohio Air Quality Development Authority (OAQDA)	Energy Systems Laboratory, Texas A&M Engineering Experiment Station The Texas A&M University System	Link
ESL-TR-20-07-01	Statewide 2019 Air Emission Calculations from Wind and Other Renewables VOL I	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Claridge, D.; Jung, S.; Kheiri, F.; Kim, C.	Link
ESL-TR-20-07-02	Statewide 2019 Air Emission Calculations from Wind and Other Renewables VOL II	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Claridge, D.; Jung, S.; Kheiri, F.; Kim, C.	Link
ESL-PA-20-07-01	Assessment and discussion of the level of the application of passive/natural systems and daylighting systems by practitioners in the US	Azizkhani, M.; Haberl, J.	Link
ESL-PA-20-07-02	The ASHRAE Great Energy Predictor III competition: Overview and results	Miller, C.; Balbach, C.; Haberl, J.	Link
ESL-PA-20-08-01	Research Guidelines for Window Design Strategies in High Performance Office Buildings	Li, Q.; Haberl, J.	Link
ESL-TH-20-08-01	Analysis of Support Vector Machine Regression for Building Energy Use Prediction	Lee, S.; Baltazar, J.C.	Link
ESL-PA-20-10-01	The Effects of Cook-Top Temperature on Range Hood Capture Efficiency	Meleika, S.; Pate, M.	Link
ESL-TR-20-10-01	TCEQ 2019 Annual Preliminary Report Draft	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Parker, P.; Ellis, S.; Zilbershtein, G.; Claridge, D.	Link
ESL-TR-20-11-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Preliminary Report: Integrated NOx Emissions Savings from EE/RE Programs Statewide (TCEQ 2019)	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Parker, P.; Ellis, S.; Zilbershtein, G.; Claridge, D.	Link
ESL-TR-20-11-02	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume I—Technical Report (TCEQ 2019)	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Parker, P.; Ellis, S.; Zilbershtein, G.; Claridge, D.	Link
ESL-TR-20-11-03	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume II—Technical Appendix (TCEQ 2019)	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Parker, P.; Ellis, S.; Zilbershtein, G.; Claridge, D.	Link
ESL-KT-20-11-01	Energy Efficiency and Renewable Energy Impacts on NOx Emission Reductions in Texas 2020 [PPT]	Haberl, J.; Yazdani, B.; Baltazar, J.C.	Link
ESL-KT-20-11-02	Energy Efficiency and Renewable Energy Impacts on NOx Emission Reductions in Texas 2020 [PDF]	Haberl, J.; Yazdani, B.; Baltazar, J.C.	Link
ESL-KT-20-11-03	Energy Efficiency and Renewable Energy Impacts on NOx Emission Reductions in Texas 2020 [MP4]	Haberl, J.; Yazdani, B.; Baltazar, J.C.	Link
ESL-TH-20-12-01	An Improved Method for the Estimation of the Energy Consumption and Savings of Code-Compliant office Buildings in Different Climates	Kheiri, F.; Baltazar, J.C.; Haberl, J.	Link
ESL-TH-20-12-02	Analysis of Residential Building Energy Code Compliance for New and Existing Buildings Based on Building Energy	Jung, S.; Haberl, J.	Link
ESL-TH-20-12-03	A study of occupancy-based smart building controls in commercial buildings	Kim, C.; Haberl, J.	Link
ESL-PA-20-12-01	A Performance analysis of the Claridge-Culp-Liu dehumidification process: A novel approach for drying moist air based on membrane separation, vacuum compression and sub-atmospheric condensation.	Claridge, D.; Culp, C.; Michael, P.; Haberl, J.; Bynum, J.; Tanskyi, O.; Schaff, F.; Pate, M.	Link
ESL-PA-21-01-01	The Effects of Range Hood Mounting Height on Capture Efficiency	Meleika, S.; Pate, M.; Jacqueson, A.	Link
ESL-PA-21-03-01	The Influence of Range Hood Exhaust Orientation on Capture Efficiency	Meleika, S.; Pate, M.	Link
ESL-PA-21-03-02	Feasibility of Nonintrusive Measurement of Compressed Air Flow with Thermal Responses	Terrill, T.; Kim, T.; Rasmussen, B.P.	Link
ESL-PA-21-05-01	An Equilibrium Prediction Method for Control and Fault Detection of Energy Systems	Guo, F.; Rogers, A.; Rasmussen, B.P.	Link
ESL-TH-21-05-01	Performance Mapping and Life-Cycle Cost Modeling for Heat Exchanger Geometry Optimization in Vapor Compression Chillers	Park, D.	Link
ESL-TR-21-06-02	Assessment and discussion of the level of application of passive/natural systems and daylighting systems by practitioners in the US	Azizkhani, M.; Haberl, J.	Link
ESL-PA-21-06-01	Optimal Hydrocarbon Based Working Fluid Selection for a Simple Super Critical Organic Rankine Cycle	Sadr, R.; Das, D.; Karim, M.; Pate, M.	Link

ESL-PA-21-06-02	Net Zero Energy Buildings: Variations, Clarifications, and Requirements in Response to the Paris Agreement	Moghaddasi, H.; Culp, C.; Vanegas, J.; Ehsani, M.	Link
ESL-TH-21-06-01	Large Scale Data Analytics for Fault Detection and Diagnosis of Residential HVAC Systems	Guo, F.	Link
ESL-TR-21-07-01	Statewide 2020 Air Emission Calculations from Wind and Other Renewables VOL I	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Claridge, D.; Azimi, M.; Ahn, J.; Li, Q.; Sun, Y.	Link
ESL-TR-21-07-02	Statewide 2020 Air Emission Calculations from Wind and Other Renewables VOL II	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Claridge, D.; Azimi, M.; Ahn, J.; Li, Q.; Sun, Y.	Link
ESL-TH-21-07-01	A Model-Based Systems Engineering Approach to Product Value Optimization among Disparate Criteria	Whittier, A.	Link
ESL-TH-21-08-01	An Expanded and Updated Framework for Whole-Facility Energy Consumption Statistical Models of Commercial Buildings	Fu, H.	Link
ESL-TR-21-10-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Preliminary Report: Integrated NOX Emissions Savings from EE/RE Programs Statewide (TCEQ 2020)	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Parker, P.; Li, Q.; Ellis, S.; Zilbershtein, G.; Claridge, D.	Link
ESL-TR-21-10-02	A Survey of Urban-Scale Building Energy Modelers	Zhao, X.; Haberl, J.	Link
ESL-PA-21-10-01	Hardware-Based Emulator with Deep Learning Model for Building Energy Control and Prediction Based on Occupancy Sensors' Data	Ye, Z.; O'Neill, Z.D.; Hu, F.	Link
ESL-PA-21-10-02	Net Zero Energy Communities: Integrated Power System, Building and Transport Sectors	Moghaddasi, H.; Culp, C.; Vanegas, J.	Link
ESL-TR-21-11-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume I—Technical Report (TCEQ 2020)	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Parker, P.; Li, Q.; Ellis, S.; Zilbershtein, G.; Claridge, D.	Link
ESL-TR-21-11-02	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume II—Technical Appendix	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Parker, P.; Li, Q.; Ellis, S.; Zilbershtein, G.; Claridge, D.	Link
ESL-PA-21-11-01	A Performance Analysis of the Claridge-Culp-Liu Dehumidification Process: a Novel Approach for Drying Moist Air Based on Membrane Separation, Vacuum Compression and Sub-atmospheric Condensation	Claridge, D.E.; Culp, C.C.; Lie, W.; Pate, M.; Haberl, J.; Bynum, J.; Tansky, O.; Schaff, F.	Link
ESL-PA-21-12-01	Development of a Testing and Evaluation Protocol for Occupancy Sensing Technologies in Building HVAC Controls: A Case Study of Representative People Counting Sensors	Zhang, R.; Kong, M.; Dong, B.; O'Neill, Z.D.; Cheng, H.; Hu, F.; Zhang, J.	Link
ESL-PA-21-12-02	Multivariate Fault Detection for Residential HVAC Systems using Cloud-Based Thermostat Data, Part I: Methodology	Guo, F.; Rogers, A.; Rasmussen, B.P.	Link
ESL-PA-21-12-03	Multivariate Fault Detection for Residential HVAC Systems using Cloud-Based Thermostat Data, Part II: Case Studies	Guo, F.; Rogers, A.; Rasmussen, B.P.	Link
ESL-PA-21-12-04	Quantifying the nationwide HVAC energy savings in large hotels: the role of occupant-centric controls	Pang, Z.; Chen, Y.; Zhang, J.; O'Neill, Z.D.; Cheng, H.; Dong, B.	Link
ESL-PA-21-12-05	From Occupants to Occupants: A Review of the Occupant Information Understanding for Building HVAC Occupant-Centric Control	Yang, T.; Bandyopadhyay, A.; O'Neill, Z.D.; Wen, J.; Dong, B.	Link
ESL-PA-22-01-01	Development of a Procedure for Automated Thermal Zoning for Building Energy Simulation	Shin, M.; Haberl, J.	Link
ESL-TR-22-02-01	The International Code-Compliant Calculator (IC3) v4.5.6, Results of RESNET Verification Procedures	Li, Q.; Baltazar, J.C.; Haberl, J.	Link
ESL-PA-22-05-01	Assessment of the Impact of Using a Smart Thermostat and Smart Meter Data on a Whole-Building Energy Simulation	Oh, S.; Haberl, J.; Baltazar, J.C.	Link
ESL-TH-22-05-01	Development and Evaluation of Advanced Sequences of Operation for HVAC Systems	Lu, X.	#VALUE!
ESL-TH-22-05-02	Impact Metrics for Residential HVAC Systems using Cloud-Based Smart Thermostat Data	Vadali, P.A.	#VALUE!
ESL-TR-22-07-01	Statewide Air Emissions Calculations From Wind and Other Renewables VOL I	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Li, Q.; Claridge, D.; Azimi, M.; Ahn, J.; Sun, Y.	Link
ESL-TR-22-07-02	Statewide Air Emissions Calculations From Wind and Other Renewables VOL II	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Li, Q.; Claridge, D.; Azimi, M.; Ahn, J.; Sun, Y.	Link
ESL-TR-22-09-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Summary Report: Integrated Nox Emissions Savings from EE/RE Programs Statewide	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Li, Q.; Parker, P.; Zilbershtein, G.; Claridge, D.	Link
ESL-TR-22-09-02	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume I - Technical Report, Annual Report to the Texas Commission on Environmental Quality January 2021-December 2021	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Li, Q.; Parker, P.; Zilbershtein, G.; Claridge, D.	Link
ESL-TR-22-09-03	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume II - Technical Appendix, Annual Report to the Texas Commission on Environmental Quality January 2021-December 2021	Baltazar, J.C.; Haberl, J.; Yazdani, B.; Li, Q.; Parker, P.; Zilbershtein, G.; Claridge, D.; Ellis, S.	Link
ESL-PA-22-11-01	Building Envelope Optimization for Future Climatic Demands by Simple-Box Model Energy Simulation	Azimi, M.; Baltazar, J.C.	Link
ESL-PA-23-02-01	Origins of Whole-building Energy Simulations for High-performance Commercial Buildings: Contributions of NATEOUS, SHEP, TACS, CP-26, and RESPTK Programs	Ahn, J.; Haberl, J.	Link
ESL-PA-23-02-02	ASHRAE's Guideline 14-2022 for Measurement of Energy, Demand, and Water Savings: How to Determine What was Really Saved by the Retrofit	Haberl, J.; Landsberg, D.; Baltazar, J.C.; Cheung, H.; Cortines, R.P.; Kim, H.; Mohammed, A.Q.; Shonder, J.; West, S.	Link
ESL-PA-23-03-01	Origins of Whole-Building Energy Simulations for High-Performance Commercial Buildings: Contributions of NATEOUS, SHEP, TACS, CP-26, and RESPTK Programs	Ahn, J.; Haberl, J.	Link
ESL-PA-23-04-01	Split-degree Day Method: A Novel Degree Day Method for Improving Building Energy Performance Estimation	Baltazar, J.C.; Haberl, J.; Kheiri, F.	Link

ESL-TR-23-07-01	Statewide 2022 Air Emission Calculations from Wind and Other Renewables VOL I	Baltazar, JC.; Haberl, J.; Yazdani, B.; Li, Q.; Claridge, D.; Ahn, J.; Sun, Y.; Hou, X.	Link
ESL-TR-23-07-02	Statewide 2022 Air Emission Calculations from Wind and Other Renewables VOL II	Baltazar, JC.; Haberl, J.; Yazdani, B.; Li, Q.; Claridge, D.; Ahn, J.; Sun, Y.; Hou, X.	Link
ESL-PA-23-07-01	Impact of Outdoor Humidity Conditions on Building Energy Performance and Environmental Footprint in the Degree Days-Based Climate Classification	Kheiri, F.; Baltazar, JC.; Haberl, J.	Link
ESL-PA-23-07-02	Prediction of Annual Daylighting Performance Using Inverse Models	Haberl, J.; Li, Q.	Link
ESL-TR-23-09-01	A Study of Occupancy-Based Smart Building Controls in Commercial Buildings- Supporting Document	Kim, C.	Link
ESL-TR-23-09-02	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Summary Report: Integrated NOx Emissions Savings from EE/RE Programs Statewide, Annual Report to the Texas Commission on Environmental Quality January 2022 - December 2022	Baltazar, JC.; Haberl, J.; Yazdani, B.; Li, Q.; Claridge, D.; Parker, P.; Zilbershtein, G.	Link
ESL-TR-23-09-03	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume I - Technical Report, Annual Report to the Texas Commission on Environmental Quality January 2022 - December 2022	Baltazar, JC.; Haberl, J.; Yazdani, B.; Li, Q.; Claridge, D.; Parker, P.; Zilbershtein, G.	Link
ESL-TR-23-09-04	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume II – Technical Appendix, Annual Report to the Texas Commission on Environmental Quality January 2022 – December 2022	Baltazar, JC.; Haberl, J.; Yazdani, B.; Li, Q.; Claridge, D.; Parker, P.; Zilbershtein, G.	Link
ESL-PA-23-12-01	Impact of Thermal Zone Modeling on a Small Office Building with All-Electric HVAC Systems in Hot-Humid and Cold-Humid Climates	Haberl, J.; Kim, C.	Link
ESL-TR-24-07-01	Statewide 2023 Air Emission Calculations from Wind and Other Renewables VOL I. Energy Systems Laboratory, Texas A&M University, September 2024	Baltazar, J-C.; Haberl, J.; Yazdani, B.; Li, Q.; Claridge, D.; Ahn, J.; Sun, Y.; Hou, X.	Link
ESL-TR-24-07-02	Statewide 2023 Air Emission Calculations from Wind and Other Renewables VOL II. Energy Systems Laboratory, Texas A&M University, September 2024	Baltazar, J-C.; Haberl, J.; Yazdani, B.; Li, Q.; Claridge, D.; Ahn, J.; Sun, Y.; Hou, X.	Link
ESL-TR-24-09-01	TCEQ 2023 Annual Summary Report. Energy Systems Laboratory, Texas A&M University, September 2024	Baltazar, J-C.; Haberl, J.; Yazdani, B.; Li, Q.; Parker, P.; Zilbershtein, G.; Claridge, D.	Link
ESL-TR-24-09-02	TCEQ 2023 Annual Report Volume I. Energy Systems Laboratory, Texas A&M University, September 2024	Baltazar, J-C.; Haberl, J.; Yazdani, B.; Li, Q.; Parker, P.; Zilbershtein, G.; Claridge, D.	Link
ESL-TR-24-09-03	TCEQ 2023 Annual Report Volume II. Energy Systems Laboratory, Texas A&M University, September 2024	Baltazar, J-C.; Haberl, J.; Yazdani, B.; Li, Q.; Parker, P.; Ellis, S.; Zilbershtein, G.; Claridge, D.	Link
ESL-TR-24-12-02	Residential Lighting Energy Savings from High-Efficient Led Fixtures in Texas	Li, Q.; Baltazar, JC.; Haberl, J.	Link
ESL-TR-24-12-03	Electricity Savings and NOx reductions from LED Streetlight Retrofits in Texas	Ahn, J.; Sun, Y.; Baltazar, JC.; Haberl, J.	Link

ENERGY SYSTEMS LABORATORY PUBLICATIONS - Supplemental CATALOG

Contact: ESInfo@tamu.edu

PA — Published Paper

TR — Technical Report

TH — Thesis/Dissertation

HH — Hot and Humid Conference Proceedings

IC — ICEBO Conference Proceedings

IE — IETC Conference Proceedings

UP — Unpublished Paper

KT — CATEE/T.E.S. Conference Presentation

ESL-XX-XX-XX-XXa -Corresponding Presentation to a Proceeding

The hyperlinked documents are available to download directly online from the host website: <http://oaktrust.library.tamu.edu/>

dissertations are also available through ProQuest at www.proquest.com.

The following documents do not have a working hyperlink or have been withdrawn.

To request a publication from this catalog, please contact ESInfo@tamu.edu

ID	TITLE	AUTHOR(S)	HANDLE
ESL-HH-06-07-46	Utility Public Benefit Funds Renewed Interest at the State and Federal Levels, <i>Proceedings of the 15th Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , Orlando, Florida, July 24-26, 2006.	Verdict, M. E.	
ESL-HH-94-05-01	Cost-effective Lighting Retrofits: Lessons Learned	Fisher, M. D.	
ESL-HH-94-05-02	Micro-Management of Lighting Controls Projects	Clark, W. H.	
ESL-IC-05-10-01	Linking Building Commissioning and Operations and Maintenance Towards an Embedded Commissioning Practice	Akin, O.; Gursel, I.	
ESL-IC-05-10-02	Living in the Intelligent Workplace Structuring and Managing Building Operation Information	Lam, K. P.; Srivastava, V.	
ESL-IC-05-10-03	Maximizing Commercial Hydraulic Software Simulation in Thermal Distribution System Continuous Commissioning	Chen, Q.; Xu, C.; Claridge, D. E.; Turner, W. D.; Deng, S.	
ESL-IC-05-10-04	Use of an Enterprise Energy Monitoring System to Support Building Commissioning and Overall Energy Efficiency by the Hyatt Hotels Corporation	Burke, B.; McBride, J.; Kemble, K.	
ESL-IC-05-10-05	Energy Savings from Commissioning the New Sofitel Hotel in New York City	English, M. C.	
ESL-IC-05-10-06	International Solar Centre, Berlin – A Comprehensive Energy Design	Fisch, M. N.; Himmeler, R.	
ESL-IC-05-10-07	Methodology for Flow Information Flow Management in the Commissioning of Low Energy Buildings	Hannachi, N. K.; Jandon, M.; Nejad, H. V.	
ESL-IC-05-10-08	Evaluation of Energy Concepts for Office Buildings	Fisch, M.; Norbert, M.; Plesser, S.	
ESL-IC-05-10-09	Leveraging Inefficient and Failing Infrastructure to Accomplish Capital Improvements	Mumper, M.; Taylor, C.	
ESL-IC-05-10-10	Continuous Commissioning SM in an Aged Office Building	Cui, Y.; Liu, M.	
ESL-IC-05-10-11	Replacing Inefficient Equipment — An Engineering Analysis to Justify Purchasing A More Efficient Chiller	Chen, H.; Deng, S.; Claridge, D. E.; Turner, W. D.; Bensouda, N.	
ESL-IC-05-10-12	Case Study on Enhancing Equipment Efficiency and Operational Practices of a Signature LEED Building	Tseng, P.	
ESL-IC-05-10-13	Monitored Performance of an Office Building with an Under-floor Air Distribution System	Walker, C. E.; Norford, L. K.	
ESL-IC-05-10-14	Advantages of Financing Continuous Commissioning [*] as an Energy Conservation Retrofit Measure	Wei, G.; Verdict, M.; Martinez, J. T.	
ESL-IC-05-10-15	Continuous Commissioning [*] of a Single Fan Dual Duct System in an Office Building	Dong, D.; Liu, M.; Wang, J.	
ESL-IC-05-10-16	Building Pressure Control in VAV System with Relief Air Fan	Pang, X.; Liu, M.; Zheng, B.	
ESL-IC-05-10-17	Continuous Commissioning [*] Leading Energy Project Process – An Industry Approach	Liu, M.; Wang, J.; Hansen, K.; Seltzer, A.	
ESL-IC-05-10-18	HVAC Optimization at Te Papa	Bishop, R.	
ESL-IC-05-10-19	Enhanced Building Operation Using 'Operation Diagnostics' – A Case Study	Baumann, O.	
ESL-IC-05-10-20	Continuous Commissioning [*] of an Office/Laboratory Building	Evans, C.; Cordero, J.; Atencio, M.; Claridge, D. E.; Martinez, J. T.; Baltazar-Cervantes, J. C.; Zhu, Y.; Oberle, C.	
ESL-IC-05-10-21	CC [*] of Retrofitted, Renovated, and Rented Systems and Equipment in Utilities Plants	Xu, C.; Chen, Q.; Claridge, D. E.; Turner, W. D.; Deng, S.	
ESL-IC-05-10-22	Total Quality Commissioning for HVAC Systems to Assure High Performance Throughout the Whole Life Cycle	Maisey, G. E.; Milestone, B.	
ESL-IC-05-10-23	Balancing Operation for the Optimisation of Hydronic Networks	Couillaud, N.; Riederer, P.; Jandon, M.; Diab, Y.	
ESL-IC-05-10-24	Influence of Fault and Optimization of PID Parameters in Building Air-Conditioning System	Kuniyoshi, K.; Akashi, Y.; Sumiyoshi, D.; Song, Y.	
ESL-IC-05-10-25	Use of Spatial Archetypes for Optimized Energy Performance	Primikiri, E.; Kokkolaras, M.; Papalambros, P.	
ESL-IC-05-10-26	Technical and Economic Analysis of Thermal Solar Energy and Rainwater Use in a School Building Hydraulic System: A Case Study in a Brazilian City	Proti, L. C.; Godoy, E.; Camargo, J.	
ESL-IC-05-10-27	Feasibility and Fidelity of Data Exchange Through IFC for Building Commissioning	Wang, H.; Akinci, B.; Garrett, J. H.; Reed, K. A.	
ESL-IC-05-10-28	The Virtual-Augmented-Reality Environment for Building Commissioning: Case Study	Lee, S. H.; Akin, O.	
ESL-IC-05-10-29	Development of a Web-based, Emissions Reduction Calculator for Street Light and Traffic Light Retrofits	Liu, Z.; Gilman, D.; Haberl, J. S.; Culp, C.	
ESL-IC-05-10-30	Development of a Web-based, Emissions Reduction Calculator for Green Power Purchases from Texas Wind Energy Providers	Liu, Z.; Baltazar, J. C.; Gilman, D.; Haberl, J. S.; Culp, C.	
ESL-IC-05-10-31	Development of a Web-based Emissions Reduction Calculator for Retrofits to Municipal Water Supply and Waste Water Facilities	Baltazar, J. C.; Liu, Z.; Gilman, D.; Haberl, J. S.; Culp, C.	

ESL-IC-05-10-32	Development of a Web-based Emissions Reduction Calculator for Solar Thermal and Solar Photovoltaic Installations	Baltazar, J. C.; Haberl, J. S.; Gilman, D. R.; Culp, C.	
ESL-IC-05-10-33	Development of a Web-based Emissions Reduction Calculator for Code-Compliant Single-Family and Multi-Family Construction	Ahmad, M.; Gilman, D.; Mukhopadhyay, J.; Haberl, J. S.; Culp, C.	
ESL-IC-05-10-34	Development of a Web-based Emissions Reduction Calculator for Code-Compliant Commercial Construction	Ahmad, M.; Gilman, D.; Kim, S.; Choncharoensuk, C.; Malhotra, M.; Haberl, J.; Culp, C.	
ESL-IC-05-10-35	Impact of the Position of the Radiator on Energy Consumption and Thermal Comfort in a Mixed Radiant and Convective Heating System	Gong, X.; Claridge, D. E.	
ESL-IC-05-10-36	Development of Power-head based Fan Airflow Station	Wang, G.; Liu, M.	
ESL-IC-05-10-37	Supply Air Temperature Control Using a VFD Pump	Zheng, B.; Liu, M.	
ESL-IC-05-10-38	Continuous Commissioning® of an Office Building	Zheng, B.; Liu, M.; Pang, X.; Wang, J.; Hansen, K.	
ESL-IC-05-10-39	LEED-EB: How to Achieve Certification and Reduce Operating Costs	Iczkowski, E.	
ESL-IC-05-10-40	EnviroDB: Applied Database Systems Design for the National Environment Assessment Toolkit (NEAT)	Kim, S. H.; Srivastava, V.; Aziz, A.	
ESL-IC-05-10-41	Decision-Making Aid Tool for the Evaluation and Improvement of the Energy Performance of Stock of Buildings	Joutey, H. A.; Vaezi-Nejad, H.; Lahrech, R.	
ESL-IC-05-10-42	Practical Alternative Financing Strategies for Building Commissioning	Jhaveri, A.	
ESL-IC-05-10-43	Load Allocation Through Detailed Simulation Calibrated with Monitored Data	Abushakra, B.	
ESL-IC-05-10-44	Formal Models for Embedded Commissioning	Turkaslan-Bulbul, M. T.; Akin, O.	
ESL-IC-05-10-45	A Method for Simulating Heat Recovery Systems Using AirModel in Implementations of the ASHRAE Simplified Energy Analysis Procedure	Liu, C.; Zeig, M.; Claridge, D. E.; Wei, G.; Turner, W. D.; Bruner, H. L.	
ESL-IC-05-10-46	Decoupled Modeling of Chilled Water Cooling Coils Using a Finite Element Method	Wang, G.; Liu, M.; Claridge, D. E.	
ESL-IC-05-10-47	Effective Implementation of "IPMVP Option C – Whole Building Measurement" Measurement and Verification Plans	Porter, T.; Weaver, K.; Vaughn, K.	
ESL-IC-05-10-48	Guaranteed Long-Term Savings Persistence An Owner's Perspective	Bou-Saada, T.; Culp, C.	
ESL-IC-05-10-49	Measurement and Verification for Commissioning Projects: Challenges and Opportunities	Heinemeier, K.	
ESL-IC-05-10-50	ASHRAE's Guideline 14-2002 for Measurement of Energy and Demand Savings: How to Determine What Was Really Saved by the Retrofit	Haberl, J. S.; Culp, C.; Claridge, D. E.	
ESL-IC-05-10-50	ASHRAE's Guideline 14-2002 for Measurement of Energy and Demand Savings: How to Determine What Was Really Saved by the Retrofit, <i>Proceedings of the 5th International Conference on Enhanced Building Operation</i> , Pittsburgh, Pennsylvania, October 11-13, 2005.	Haberl, J. S.; Claridge, D. E.; Culp, C.	
ESL-IC-05-10-51	Improved Building Performance Through Effective Communication & Training	Bates, R.	
ESL-IC-05-10-52	Empowering Operations: Training and Training Lab Facilities as a Building Performance Tool	Bobker, M.; Patel, A.; Harris, D.	
ESL-IC-05-10-53	Advanced Control Technologies and Strategies Linking Demand Response and Energy Efficiency	Kiliccote, S.; Piette, M. A.	
ESL-IC-06-11-01	Mechanism of Thermal Comfort and Its Application in Indoor Environment	Lian, Z.; Liu, W.; Ye, X.; Yao, Y.	
ESL-IC-06-11-02	Thermal Comfort of Neutral Ventilated Buildings in Different Cities	Ye, X.; Zhou, Z.; Lian, Z.; Wen, Y.; Zhou, Z.; Jiang, C.	
ESL-IC-06-11-03	Optimal Indoor Air Temperature Considering Energy Savings and Thermal Comfort in the Shanghai Area	Yao, Y.; Lian, Z.; Hou, Z.; Liu, W.	
ESL-IC-06-11-04	Determination of the Acceptable Room Temperature Range for Local Cooling	Zhang, Y.; Zhao, R.	
ESL-IC-06-11-05	Agent Technology to Improve Building Energy Efficiency and Occupant Comfort	Zeiler, W.; van Houten, R.; Kamphuis, R.; Hommelberg, M.	
ESL-IC-06-11-06	Literature Review of Airflow Fluid Characteristics and their Impact on Human Thermal Comfort	Yu, N.; Di, H.; Zhao, R.; Zhang, Y.	
ESL-IC-06-11-07	Impact of Indoor Environment Improvement on Comfort and Productivity in a Chipboard Workplace	Li, Z.; Li, D.; Du, H.; Zhang, G.; Li, L.	
ESL-IC-06-11-08	Investigation and Analysis of Winter Classroom Thermal Environment in Chongqing	Liu, J.; Li, B.; Yao, R.	
ESL-IC-06-11-09	Investigation and Analysis of the Indoor Air Environment of a Large-scale Art Exhibition Hall in Beijing	Hao, X.; Cao, G.; Wang, Y.; Wang, J.	
ESL-IC-06-11-10	The Effects of Indoor Air Velocity on Occupant Thermal Comfort in Winter	Wang, J.; Chen, L.	
ESL-IC-06-11-100	Importance of the Return Air Opening to Degree of Turbulence in an I-Grade Clean Operating Room	Cheng, S.	
ESL-IC-06-11-101	Optimal Supply Angle of Upside Air Supply in Manned Spacecraft Cabin-Based Air Age	Liang, Z.; Zhang, J.; Lu, Y.	
ESL-IC-06-11-102	Investigation of Feasibility of All-Fresh Air Supply in an All-air System	Wang, J.; Yan, Z.	
ESL-IC-06-11-103	Thermodynamic Modeling and Analysis of the Ratio of Heat to Power Based on a Conceptual CHP System	Liu, Z.; Li, X.; Liu, Z.	
ESL-IC-06-11-104	Introduction of Heat Recovery Chiller Control and Water System Design	Jia, J.	
ESL-IC-06-11-105	Applications of the Strong Heat Transformation by Pulse Flow in the Shell and Tube Heat Exchanger	Chen, Y.; Zhao, J.	
ESL-IC-06-11-106	Wavelet Transform Noise Elimination and Its Application in City Heating Load Prediction	Jiang, Y.; Jun, X.; Wei, B.	
ESL-IC-06-11-107	Research on Short-term Load Forecasting of the Thermoelectric Boiler Based on a Dynamic RBF Neural Network	Dai, W.; Zou, P.; Yan, C.	
ESL-IC-06-11-108	Issues and Factors of Train Air-conditioning System Design & Operation	Liu, P.; Li, D.	
ESL-IC-06-11-109	Design Method for the Heating/Cooling Coil in the AHU Based on Fuzzy Logic - Part One: Basic Structure and Characteristics Analysis	Zhang, J.; Chen, Y.; Liang, Z.	
ESL-IC-06-11-11	An Overview of Particulate Matter and its Cost-efficient Evaluation	Zhang, F.; Zhang, G.; Zhang, Q.	
ESL-IC-06-11-110	Design Method for the Heating/Cooling Coil in the AHU Based on Fuzzy Logic - Part Two: Design of the Minimum Heat-Exchanging Unit	Zhang, J.; Chen, Y.; Liang, Z.	
ESL-IC-06-11-111	Comparison of Two Ventilation Systems in a Chinese Commercial Kitchen	Wan, X.; Yu, L.; Hou, H.	
ESL-IC-06-11-112	Optimization of the Fin Heat Pipe for Ventilating and Air Conditioning with a Genetic Algorithm	Qian, J.; Sun, D.; Li, G.	
ESL-IC-06-11-113	Energy Performance Evaluation and Development of Control Strategies for the Air-conditioning System of a Building at Construction Stage	Wang, S.; Xu, X.; Ma, Z.	
ESL-IC-06-11-114	DEST Software to Analyze System Zoning and Energy Consumption in Air Conditioning Systems	Fan, Y.; Li, D.	
ESL-IC-06-11-115	Research on a Heat-supply Network Dispatching System Based on Geographical Information System (GIS)	Zhou, Z.; Zou, P.; Tang, H.; Fang, X.; Wang, W.	
ESL-IC-06-11-116	Analysis of the Design of an HVAC System in a Public Building	Shao, Z.; Chen, H.; Wei, P.	

ESL-IC-06-11-117	Problem of Vain Energy Consumption in a VAV Air Conditioning System Shared By an Inner Zone and Exterior Zone	Wenji, G.; Ling, C.; Dongdong, L.; Mei, S.; Li, Z.	
ESL-IC-06-11-118	Numerical Analysis of Water Temperature Distribution in the Tank of ASHPWH with a Cylindrical Condenser	Wang, D.; Shan, S.; Wang, R.	
ESL-IC-06-11-119	Research on Convective Heat Transfer and Mass Transfer of the Evaporator in Micro/Mini-Channel	Su, J.; Li, J.	
ESL-IC-06-11-12	Airborne Particulate Matter in HVAC Systems and its Influence on Indoor Air Quality	Fu, Z.; Li, N.; Wang, H.	
ESL-IC-06-11-120	Development of the Passive Cooling Technique in China	Zhou, J.; Wu, J.; Zhang, G.; Xu, Y.	
ESL-IC-06-11-121	Applying a Domestic Water-cooled Air-conditioner in Subtropical Cities	Lee, W.; Chen, H.	
ESL-IC-06-11-122	Thermodynamic Model and Numerical Simulation of Single-Shaft Microturbine Performance	Hao, X.; Zhang, G.; Chen, Y.; Zhou, J.	
ESL-IC-06-11-123	Experimental Research of Air Source Heat Pump Frosting and Defrosting in a Double Stage-Coupling Heat Pump	Wang, Z.; Gu, J.; Lu, Z.	
ESL-IC-06-11-124	Modeling of Heat Transfer in Geothermal Heat Exchangers	Cui, P.; Man, Y.; Fang, Z.	
ESL-IC-06-11-125	Improvement of the Performance for an Absorption Refrigeration System with Lithium bromide-water as Refrigerant by Increasing Absorption Pressure	Xie, G.; Sheng, G.; Li, G.; Pan, S.	
ESL-IC-06-11-126	Discussion on the Energy-Saving Potential of a Hybrid System in a Large Space Building in Different Areas	Liu, S.; Huang, C.	
ESL-IC-06-11-127	Procedure and Application for Determining the Cold Deck and Hot Deck Airflow in a Dual-Duct System	Liu, G.; Liu, M.	
ESL-IC-06-11-128	Identification of the Flow Resistance Coefficient and Validation of a Building Air Conditioning System	Hou, Z.; Lian, Z.	
ESL-IC-06-11-129	Experimental Study of the Circulation Air Volume of Recirculation Evaporative Cooling	Xiong, J.; Liu, Z.; Wang, C.; Chen, G.	
ESL-IC-06-11-13	Experiment on TiO ₂ /AC Photocatalysis Technique to Eliminate Toluene in Air Conditioning Systems	Hu, Y.; Feng, G.; Yuan, Q.	
ESL-IC-06-11-130	Experimental Study of the Floor Radiant Cooling System Combined with Displacement Ventilation	Ren, Y.; Li, D.; Zhang, Y.	
ESL-IC-06-11-131	Experimental Investigation on the Operation Performance of a Liquid Desiccant Air-conditioning System	Liu, J.; Wang, J.; Wu, Z.; Gu, W.; Zhang, G.	
ESL-IC-06-11-132	Experimental Investigation of the Padding Tower for Air Dehumidifier	Wang, J.; Liu, J.; Li, C.; Zhang, G.; An, S.	
ESL-IC-06-11-133	Static Pressure Losses in 6, 8, and 10-inch Non-Metallic Flexible Ducts	Weaver, K.; Culp, C.	
ESL-IC-06-11-134	Pressure Differential Analysis of a Laboratory Animal Room	Jiang, X.; Liu, Z.; Yoshida, H.; Tang, B.	
ESL-IC-06-11-135	Experimental Investigation of Direct Expansion Dynamic Ice-on-coil Storage System Used in Residential Buildings	Zheng, M.; Kong, F.; Han, Z.; Liu, W.	
ESL-IC-06-11-136	Influence Analysis of Discharge Electrode on Performance of an Electric Precipitator	Luo, Q.; Liu, Z.; Xiong, J.	
ESL-IC-06-11-137	VFD Technology's Energy Conservation Application at Metro Ventilation Air-conditioning System	Li, G.	
ESL-IC-06-11-138	The Analysis and Assessment on Heating Energy Consumption of SAT	Zhang, J.	
ESL-IC-06-11-139	The Full Water Disposal Ways and Study on Central Air-conditioning Circulation Cooling Water System	Zhang, J.	
ESL-IC-06-11-14	Investigation of the Photocatalytic Degradation of Ethanol and Acetone	Liu, Y.; Ding, B.; Dong, S.	
ESL-IC-06-11-140	Energy Saving Measures of Heating Network - Computerized Real-time Control System	Zhang, J.	
ESL-IC-06-11-141	Typical Problems of AHU and Air Movement in Buildings	Wei, Qingpeng	
ESL-IC-06-11-142	Sub-metering to Electricity Use in Large-scale Commercial Buildings	Yuan, W.	
ESL-IC-06-11-143	Energy Efficiency in Chilling Plants	Wang, X.	
ESL-IC-06-11-144	Application Study of the Pump Water Flow Station for Building Energy Consumption Monitoring and Control Optimization	Liu, G.; Liu, M.	
ESL-IC-06-11-145	Research on Fuzzy Regulation Strategies in the Constant Air Volume Air Conditioning System	Bai, T.; Zhang, J.; Ning, N.; Tong, K.; Wu, Y.; Wang, H.	
ESL-IC-06-11-146	Operation and Control of Full Ice-storage System	Liu, Q.; Liu, Y.	
ESL-IC-06-11-147	Self-tuning Fuzzy Control Method Based on the Trajectory Performance of the Phase Plane	Zhang, J.; Chen, Y.; Xiong, J.	
ESL-IC-06-11-148	Development of a Computer Heating Monitoring System and Its Applications	Chen, H.; Li, D.; Shen, L.	
ESL-IC-06-11-149	Direct Digital Control in Air Conditioning Systems for Energy Efficiency	Liu, W.; Ye, A.; Li, D.	
ESL-IC-06-11-15	Non-thermal Plasma - Nanometer TiO ₂ Photocatalysis for Formaldehyde Decomposition	Yuan, Q.; Feng, G.; Guang, X.	
ESL-IC-06-11-150	Theoretical Study of a Novel Control Method of VAV Air-conditioning System Based on MATLAB	Shi, Z.; Hu, S.; Li, A.; Wang, G.	
ESL-IC-06-11-151	Research on the Temperature Control Method of an Artificial Climate Room	Jiang, Y.; Tan, W.; Wei, B.; Guo, R.	
ESL-IC-06-11-152	Study on The Intelligence Control System of Artificial Cooling Source in Architecture	Yang, Z.; Xu, X.	
ESL-IC-06-11-153	Advance of Systematic Design Methods on Fuzzy Control	Zhang, J.; Chen, Y.	
ESL-IC-06-11-154	Humidity Control Systems for Civil Buildings in Hot Summer and Cold Winter Zone in China	Yu, X.	
ESL-IC-06-11-155	Simulation and Optimization of the Temperature and Humidity Independent Control Showcase	Hou, H.; Yu, L.; Wan, X.; Chen, H.	
ESL-IC-06-11-156	Exploring Maximum Humidity Control and Energy Conservation Opportunities with Single Duct Single Zone Air-Handling Units	Zhou, J.; Wei, G.; Deng, S.; Turner, D.; Claridge, D.	
ESL-IC-06-11-157	Optimal Outside Air Control for Air Handling Units with Humidity Control	Wang, G.; Liu, M.	
ESL-IC-06-11-158	Analysis of a Dedicated Outdoor Air System and Low Temperature Supply Air Conditioning System	Guang, L.; Li, R.	
ESL-IC-06-11-159	The Coordinated Control of a Central Air Conditioning System Based on Variable Chilled Water Temperature and Variable Chilled Water Flow	Liu, J.; Mai, Y.; Liu, X.	
ESL-IC-06-11-16	Reducing Air-Conditioning System Energy Using a PMV Index	Li, H.; Zhang, Q.	
ESL-IC-06-11-160	Energy-Saving Design for Pressure Difference Control in Variable Flow Air Conditioning Systems	Chen, Y.; Zhang, Z.	
ESL-IC-06-11-161	The Effect of Pressure Difference Control on Hydraulic Stability in a Variable Flow Air Conditioning System	Zhang, Z.; Fu, Y.; Chen, Y.	
ESL-IC-06-11-162	The Influence of Operating Modes, Room Temperature Set Point and Curtain Styles on Energy Consumption of Room Air Conditioner	Yu, J.; Yang, C.; Guo, R.; Wu, D.; Chen, H.	
ESL-IC-06-11-163	Study of the Influence of Air Supply Temperature on Air Distribution in the Run-through Large Space Architecture	Tian, Z.; Zhang, J.; Zhu, M.; He, J.	
ESL-IC-06-11-164	Study of a Fault Analysis System for a Heat Supply Network Based on GIS	Zou, P.; Liu, M.; Tang, H.; Li, N.; Wang, W.; Wang, X.	
ESL-IC-06-11-165	Analysis of the Diagnostic Methods of the Performance Failure of Heating and Air Conditioning Systems	Li, L.; Zhang, Z.; Sun, Y.; Li, D.; Xie, H.	
ESL-IC-06-11-166	Research on Fault Detection and Diagnosis of Scrolling Chiller with ANN	Zhou, Y.; Zheng, J.; Liu, Z.; Yang, C.; Peng, P.	
ESL-IC-06-11-167	Evaluation of a Decoupling-Based Fault Detection and Diagnostic Technique - Part I: Field Emulation Evaluation	Li, H.; Braun, J.	
ESL-IC-06-11-168	Evaluation of a Decoupling-Based Fault Detection and Diagnostic Technique - Part II: Field Evaluation and Application	Li, H.; Braun, J.	

ESL-IC-06-11-169	Optimization of Fault Detection/Diagnosis Model for Thermal Storage System Using AIC	Pan, S.; Zheng, M.; Nakahara, N.	
ESL-IC-06-11-17	Better Indoor Climate With Less Energy: European Energy Performance of Building Directive (EPBD)	Magyar, Z.; Leitner, A.	
ESL-IC-06-11-170	Heating Energy Meter Validation for Apartments	Cai, B.; Li, D.; Hao, B.	
ESL-IC-06-11-171	Energy Consumption Measuring and Diagnostic Analysis of Air-conditioning Water System in a Hotel Building in Harbin	Zhao, T.; Zhang, J.; Li, Y.	
ESL-IC-06-11-172	Application of Inverse Models for Long-Term-Energy-Monitoring in the German Enbau: Monitor Project	Neumann, C.; Herkel, S.; Lohmert, G.; Voss, K.; Wagner, A.	
ESL-IC-06-11-173	Energy Consumption Analysis and Energy Conservation Evaluation of a Commercial Building in Shanghai	Chen, C.; Pan, Y.; Huang, Z.; Wu, G.	
ESL-IC-06-11-174	A Simple Method to Continuous Measurement of Energy Consumption of Tank Less Gas Water Heaters for Commercial Buildings	Yamaha, M.; Fujita, M.; Miyoshi, T.	
ESL-IC-06-11-175	Field Measurement of Heating System in a Hotel Building in Harbin	Zhao, T.; Zhang, J.; Li, Y.	
ESL-IC-06-11-176	Hybrid Model of Existing Buildings for Transient Thermal Performance Estimation	Xu, X.; Wang, S.	
ESL-IC-06-11-177	Error Analysis of Heat Transfer for Finned-Tube Heat-Exchanger Text-Board	Chen, Y.; Zhang, J.	
ESL-IC-06-11-178	Analysis and Evaluation For Equipment Performance by Surface Measurement	Ishizuka, K.; Aizawa, N.; Shibata, K.; Yonezawa, H.; Yamada, S.	
ESL-IC-06-11-179	Investigation of the Accuracy of Calculation Methods for Conduction Transfer Functions of Building Construction	Chen, Y.; Li, X.; Zhang, Q.; Spitler, J. D.; Fisher, D.	
ESL-IC-06-11-18	Design of a Natural Ventilation System in the Dunhuang Museum	Zhang, Y.; Guan, W.	
ESL-IC-06-11-180	A New Approach to Commissioning of the VAV Control System	Han, Z.; Xia, C.; Zhu, Y.; Xu, G.	
ESL-IC-06-11-181	Embedding Continuous Commissioning in an Energy Efficiency Retrofit Program	Wei, G. ; Turner, D. ; Martinez, J. ; Baltazar, J. C.; Verdict, M.; Claridge, D.	
ESL-IC-06-11-182	Automatic Continuous Commissioning of Measurement Instruments in Air Handling Units	Xiao, F.; Wang, S.	
ESL-IC-06-11-183	The Optimization of Control Parameters for VAV HVAC System Commissioning	Maehar, K.; Sagara, N.; Song, S.	
ESL-IC-06-11-184	Application of Genetic Algorithm to Optimal Design of Central Air-Conditioning Water System	Feng, X.; Zou, Y.; Long, W.	
ESL-IC-06-11-185	Test and Reconstruction of Air Conditioning System in a Hotel Lobby	Wang, G.; Hu, Y.; Hu, S.; Chen, Q.	
ESL-IC-06-11-186	Commissioning and Diagnosis of VAV Air-Conditioning Systems	Qin, J. ; Chan, C.; Wang, S.; Xiao, F.	
ESL-IC-06-11-187	Experimental Study of a Cooling Coil and the Validation of its Simulation Model for the Purpose of Commissioning	Yamaguchi, H.; Miyata, M. ; Yoshida, H.; Oda, H.; Shioya, M.; Watanabe, T.; Niwa, H.	
ESL-IC-06-11-188	A Method for On-Going Commissioning of VRV Package Systems Using a Simulation Model	Yamaha, M.; Sekiyama, K.; Misaki, S.	
ESL-IC-06-11-189	Comprehensive Evaluation Model of Building Energy Efficiency Based on Rough Sets Theory	Ding, L.; Ruan, X.; Huang, J.; Li, Y.	
ESL-IC-06-11-19	Energy-saving Renovation Technology Studies of Existing Residential Building in the Hot Summer and Cold Winter Summer Zone	Dong, M.; Li, J.	
ESL-IC-06-11-190	Interoperability of Computer Aided Design and Energy Performance Simulation to Improve Building Energy Efficiency and Performance	Chaisuparasmikul, P.	
ESL-IC-06-11-191	Use of Plant Room Logbook Data to Establish Performance of a Cooling Production System	Hajiah, A. E.; Maheshwari, G. P.; ElSherbini, A. I.	
ESL-IC-06-11-192	EVA - Evaluation of Energy Concepts: Case Study of Siedlungswerk, Stuttgart	Stefan, P.; Mahler, B.; Fisch, M. N.	
ESL-IC-06-11-193	Project Programming and Commissioning as a Risk Mitigation and Threat Analysis Tool	Weiss, M. L.	
ESL-IC-06-11-194	Methodologies for Determining Persistence of Commissioning Benefits	Claridge, D. E.	
ESL-IC-06-11-195	Energy Saving Concept for 1,000 Buildings of the 'Landeshauptstadt Munchen' (Capital City of Munich)	Baumann, O.; Domke, M.	
ESL-IC-06-11-196	Norwegian National Program for Lifetime Commissioning and Energy Efficient Operation of Buildings	Novakovic, V.; Djuric, N.; Holst, J.; Frydenlund, F.	
ESL-IC-06-11-197	Review on Persistence of Commissioning Benefits in New and Existing Buildings	Toole, C.; Claridge, D. E.	
ESL-IC-06-11-198	A Ten-Year, \$7 Million Energy Initiative Marching on: Texas A&M University Campus Energy Systems CC	Deng, S.; Claridge, D. E.; Turner, W. D.; Bruner, H. L.; Williams, L.; Riley, J. G.	
ESL-IC-06-11-199	Discussion on Energy-Efficient Technology for the Reconstruction of Residential Buildings in Cold Areas	Zhao, J.; Wang, S.; Chen, H.; Shi, Y.; Li, D.	
ESL-IC-06-11-20	Measurement and Numerical Simulation of Wind Environment for One Residential District	Li, C.; Li, N.	
ESL-IC-06-11-200	The Thermal Test and Analysis of Envelope in Existing Buildings	Liu, X.; Li, X.; Sun, J.; Wang, Z.	
ESL-IC-06-11-201	Application of Infrared Thermography in Building Energy Efficiency	Shi, Y.; Chen, H.; Xu, Q.; Li, D.; Wang, Z.; Fang, X.	
ESL-IC-06-11-202	Analysis of the Window Side Thermal Environment Formed by Air Barrier Technique in Winter Conditions and Its Economy	Huang, C.; Jia, Y.; Liu, L.; Wang, X.	
ESL-IC-06-11-203	Retrofit of Existing Residential Building: a Case Study	Zhao, L.; Li, L.; Xu, W.; Gao, G.	
ESL-IC-06-11-204	Development of Monitoring Control and Fuzzy Control Test of Finned-Tube Heat-Exchanger Test-Board	Chen, Y.; Zhang, J.; Zhang, B.; Gao, F.	
ESL-IC-06-11-205	Estimation of Energy Baseline by Simulation for On-going Commissioning and Energy Saving Retrofit	Miyata, M.; Yoshida, H.; Asada, M.; Iwata, T.; Tanabe, Y.; Yanagisawa, T.	
ESL-IC-06-11-206	CCHP System with Interconnecting Cooling and Heating Network	Fu, L.; Geng, K.; Zheng, Z.; Jiang, Y.	
ESL-IC-06-11-207	Analysis of Energy-Rescued Potential of a Hot Water Heating Network	Han, J.; Wang, D.; Tian, G.	
ESL-IC-06-11-208	A Decision-Making Model for the Asian Intelligent Building Index	Hong, J.; Chen, Z.; Li, H.; Xu, Q.	
ESL-IC-06-11-209	The Operation Management and Energy Consumption Analysis of the District Cooling System	Xu, Q.; Li, D.; Xu, W.	
ESL-IC-06-11-21	Air Flow Distribution in the Sales Area of a Supermarket	Fang, X.; Song, C.; Zhao, J.; Wang, Z.	

ESL-IC-06-11-210	Optimal Regulation of Heating Systems with Metering Based on Dynamic Simulation	Zhao, H.; Wang, P.; Zeng, G.; Tian, Y.	
ESL-IC-06-11-211	Energy Efficiency Evaluation of Refrigeration Technologies in Combined Cooling, Heating and Power Systems	Zuo, Z.; Hu, W.	
ESL-IC-06-11-212	Municipal District Heating and Cooling Co-generation System Feasibility Research	Zhang, W.; Guan, W.; Pan, Y.; Ding, G.; Song, X.; Zhang, Y.; Li, Y.; Wei, H.; He, Y.	
ESL-IC-06-11-213	Management and Control for Optimal Performance of the Heating Substation	Yang, J.	
ESL-IC-06-11-214	Retro-Commissioning and Improvement for District Heating and Cooling System Using Simulation	Shingu, H.; Nakajima, R.; Yoshida, H.; Wang, F.	
ESL-IC-06-11-215	A Case Study of Continuous Commissioning of the VAV System in China	Xia, C.; Zhu, Y.; Chen, H.; Han, Z.; Xu, G.	
ESL-IC-06-11-216	The Optimizing Control and Energy Saving Operations of One Teaching Building	Lu, J.; Chen, Y.; Chen, J.	
ESL-IC-06-11-217	Study of the Applications of a Radiant Cooling Panel in Museum Showcases	Yu, L.; Hou, H.; Wan, X.; Chen, H.	
ESL-IC-06-11-218	Continuous Energy Management of the HVAC&R System in an Office Building System Operation and Energy Consumption for Eight Years after Building Completion	Akashi, Y.; Shinozaki, M.; Kusuda, R.; Ito, S.	
ESL-IC-06-11-219	Optimal Terminal Box Control for Single Duct Air-Handling Units	Cho, Y.; Vondal, J.; Wang, G.; Liu, M.	
ESL-IC-06-11-22	Influence of Shelves on Air Temperature and Velocity in a Supermarket	Song, C.; Fang, X.; Tan, Y.	
ESL-IC-06-11-220	A Case Study of Retro Commissioning in a Standard Commercial Office Building in Japan	Kamitani, K.; Shimazu, M.; Inomata, N.	
ESL-IC-06-11-221	Retro-Commissioning Phase I Demonstration Project Shanghai, China	Keithly, P.	
ESL-IC-06-11-222	Case Study of Continuous Commissioning in an Office Building	Pang, X.; Zheng, B.; Liu, M.	
ESL-IC-06-11-223	Buildings Stock Load Control	Joutey, H. A.; Vaezi-Nejad, H.; Clemoncon, B.; Rosenstein, F.	
ESL-IC-06-11-224	Seeing by Degrees: Programming Visualization From Sensor Networks	Huang, D.; Bobker, M.; Harris, D.	
ESL-IC-06-11-225	Energy Demand and Emissions in Building in China: Scenarios and Policy Options	Kejun, J.; Xiulian, H.	
ESL-IC-06-11-226	Development of a Web-Based, Emissions Reduction Calculator for Storm Water/Infiltration Sanitary Sewage Separation	Liu, Z.; Haberl, J. S.; Brumbelow, K.; Culp, C.; Gilman, D.; Yazdani, B.	
ESL-IC-06-11-227	Discussion of Problems in the Development of Building Energy Efficiency in China	Liu, Y.; Fu, X.; Luo, Q.	
ESL-IC-06-11-228	Commissioning Aid and Decision Making Assistance Tool 'Implementation & Assessment' - Case Study	Belkadi-Hannachi, N.; Jandon, M.; Nejad, H. V.; Guena, F.; Diab, Y.	
ESL-IC-06-11-229	Review of Building Energy Saving Techniques	Zeng, X.; Zhu, D.	
ESL-IC-06-11-23	Hot Air Stratification of Ceiling Air Supply in a Large Space Building	Wang, H.; Wang, Z.; Liu, C.	
ESL-IC-06-11-230	Research on Commercial Patterns of China Existing Building Energy Retrofit Based on Energy Management Contract	Han, Q.; Liu, C.; Sun, J.	
ESL-IC-06-11-231	The Technical and Economical Analysis of the Air-conditioning System Usage in Residential Buildings in Beijing	Sheng, G.; Xie, G.	
ESL-IC-06-11-232	Application and Mode Establishment of Asset-backed Securitization in Existing Large-scale Public Building Retrofit Financing in China	Sun, J.; Wu, Y.; Dai, Z.; Hao, Y.	
ESL-IC-06-11-233	Application and Design of Residential Building Energy Saving in Cold Climates	Li, Z.; Li, D.; Mei, S.; Zhang, G.; Liu, J.	
ESL-IC-06-11-234	The Business and Technical Case for Continuous Commissioning for Enhanced Building Operations	Verdict, M. E.	
ESL-IC-06-11-235	Research on the Statistical Method of Energy Consumption for Public Buildings in China	Chen, S.; Li, N.	
ESL-IC-06-11-236	An Operational Energy Consumption Evaluation Index System for Large Public Buildings	Li, Y.; Zhang, J.; Sun, D.	
ESL-IC-06-11-237	Building Energy Supply Infrastructures and Urban Sustained Development of Shenyang	Feng, G.; Wang, Y.; Gao, Y.	
ESL-IC-06-11-238	Research on Building Energy Consumption Situation in Shanghai	Yang, X.; Tan, H.	
ESL-IC-06-11-239	Energy Consumption Status of Public Buildings and the Analysis of the Potential on Energy Efficiency in Xiamen	Pei, X.; Zhang, S.; Chen, L.; Zhang, X.; Chen, J.	
ESL-IC-06-11-24	Impact on the Indoor Environment of the Release and Diffusion of TVOC	Cong, X.; Liu, Y.; Wang, M.	
ESL-IC-06-11-240	Development of Energy Consumption Database Management System of Existing Large Public Buildings	Li, Y.; Zhang, J.; Sun, D.	
ESL-IC-06-11-241	Investigation and Analysis of Summer Energy Consumption of Energy Efficient Residential Buildings in Xi'an	Ma, B.; Yan, Z.; Gui, Z.; He, J.	
ESL-IC-06-11-242	Investigation and Analysis of Energy Consumption and Cost of Electric Air Conditioning Systems in Civil Buildings in Changsha	Xie, D.; Chen, J.; Zhang, G.; Zhang, Q.	
ESL-IC-06-11-243	Simulation and Analysis of Energy Consumption of Public Building in Chongqing	Chen, G.; Lu, J.; Chen, J.	
ESL-IC-06-11-244	Design for Energy Efficiency in Residential Buildings	Song, M.; Zhang, Y.; Yang, G.	
ESL-IC-06-11-245	Thermal Economic Analysis of an Underground Water Source Heat Pump System	Zhang, W.; Lin, B.	
ESL-IC-06-11-246	The Technical and Economical Analysis of a Centralized Air-Conditioning System with Cold Storage Refrigeration in High-Rise Residential Buildings	Xiang, C.; Xie, G.	
ESL-IC-06-11-247	Analysis of the Double Window in Saving Energy and Economical Efficiency in Nanjing in the Winter	Zhang, Y.; He, J.; Gao, S.	
ESL-IC-06-11-248	Economic Analysis of Solar Water Heaters in Guangzhou	Wang, Y.; Zhao, L.	
ESL-IC-06-11-249	Air Conditioning Cold/Heat Source Analysis of the Inclusion of Monetary Values of Environmental Damage Based on the LCA Theory	Li, Z.; Duanmu, L.; Shu, H.; Zhu, Y.	
ESL-IC-06-11-25	Air Distribution and Microenvironment Evaluation of a Desktop Task Conditioning System	Zheng, G.	
ESL-IC-06-11-250	Energy Conservation of Air Conditioning Systems in Large Public Buildings	Liu, P.; Li, D.	
ESL-IC-06-11-251	Energy Savings with Energy-Efficient HVAC Systems in Commercial Buildings of Hong Kong	Yang, J.; Wu, X.; Chan, K.	
ESL-IC-06-11-252	Discussion of Air-Conditioning Energy-Savings in Hot-Summer and Cold-Winter Regions	Zheng, W.; Gong, F.; Lou, X.; Cheng, J.	
ESL-IC-06-11-253	Survey on Cooling Costs and Related Factors for Apartments in an Urban Area of Osaka	Umeyiya, N.; Lin, X.; Inoue, G.	
ESL-IC-06-11-254	Survey of Climate Conditions for Demonstration of a Large Scale of Solar Energy Heating in Xi'an	Li, A.; Liu, Y.	
ESL-IC-06-11-255	Design and Experiments of a Solar Low-temperature Hot Water Floor Radiant Heating System	Wu, Z.; Li, D.	
ESL-IC-06-11-256	Annual Energy Consumption Analysis and Energy Optimization of a Solar-Assisted Heating Swimming Pool	Zuo, Z.; Hu, W.; Meng, O.	
ESL-IC-06-11-257	Study of Applications of Solar Heating Systems with Seasonal Storage in China	Yu, G.; Zhao, X.; Chen, P.	
ESL-IC-06-11-258	Experimental Research of an Active Solar Heating System	Gao, X.; Li, D.	

ESL-IC-06-11-259	Analysis of the Effects of the Application of Solar Energy Water Heater in Building Energy Consumption	Wang, J.; Li, Z.	
ESL-IC-06-11-26	Indoor Humidity Analysis of an Integrated Radiant Cooling and Desiccant Ventilation System	Gong, X.; Claridge, D. E.	
ESL-IC-06-11-260	Combined Operation of Solar Energy Source Heat Pump, Low-vale Electricity and Floor Radiant System	Liu, G.; Guo, Z.; Hu, S.	
ESL-IC-06-11-261	Preliminary Analysis of a Solar Heat Pump System with Seasonal Storage for Heating and Cooling	Yu, G.; Chen, P.; Dalenback, J.	
ESL-IC-06-11-262	Experimental Research on Solar Assisted Heat Pump Heating System with Latent Heat Storage	Han, Z.; Zheng, M.; Wang, F.; Liu, W.	
ESL-IC-06-11-263	Numerical Simulation of a Latent Heat Storage System of a Solar-Aided Ground Source Heat Pump	Wang, F.; Zheng, M.; Li, Z.; Lei, B.	
ESL-IC-06-11-264	Thermoeconomic Analysis of a Solar Heat-Pump System	Gao, Y.; Wang, S.	
ESL-IC-06-11-265	A Study of Heat Transfer in a Composite Wall Collector System with Porous Absorber	Chen, W.	
ESL-IC-06-11-266	Solar Correction Factors of Building Envelope in Tebei	Wang, D.; Tang, M.	
ESL-IC-06-11-267	A Linear Parabolic Trough Solar Collector Performance Model	Qu, M.; Archer, D. H.; Masson, S. V.	
ESL-IC-06-11-268	Numerical Simulation Study on Transpired Solar Air Collector	Wang, C.; Guan, Z.; Zhao, X.; Wang, D.	
ESL-IC-06-11-269	Analyzing Ventilation Effects of Different Apartment Styles by CFD	Li, X.; Wang, L.; Ye, Z.	
ESL-IC-06-11-27	Performance of Supply Airflow Entrainment for Particles in an Underfloor Air Distribution System	Li, C.; Li, N.	
ESL-IC-06-11-270	The Green Building Scheme for a Sustainable Eco-City in Taipei	Sun, S.; Chen, Z.; Clements-Croome, D.	
ESL-IC-06-11-271	Fuzzy Comprehensive Evaluation Model and Influence Factors Analysis on Comprehensive Performance of Green Buildings	Sun, J.; Wu, Y.; Hao, Y.; Dai, Z.	
ESL-IC-06-11-272	The Combination of Renewable Energy Effective Use and Architecture Design	Zhou, Y.	
ESL-IC-06-11-273	The Emphasis on Ecological Design for High-rise Buildings	Xu, F.; Zhang, G.; Xie, M.	
ESL-IC-06-11-274	Ecological Technologies of a Chinese Traditional Folk House in Hot-Summer and Cold-Winter Zone	Xie, M.; Zhang, G.; Xu, F.	
ESL-IC-06-11-275	Comparison of Several Eco-Friendly Refrigeration Technologies	Tang, C.; Luo, Q.; Li, X.; Zhu, X.	
ESL-IC-06-11-276	Use of Renewable Energy in Buildings: Experiences With Solar Thermal Utilization	Wang, R.; Zhai, X.	
ESL-IC-06-11-277	Initial Study of Solar Control Film in a Hotel Guest Room in Winter	Chan, W. C.; Mak, B. L.; Chen, Y.; Huang, Y.; Xie, H.; Hou, G.; Li, D.	
ESL-IC-06-11-278	The Integrative Application Study on Solar Energy Technology Used In a Student Dormitory	Xue, Y.; Wang, C.	
ESL-IC-06-11-279	A Study on Design Parameters of Stirling Engines for Buildings	Ding, G.; Huang, S.; Zhang, C.; Hu, X.; Zhang, X.; Guo, F.	
ESL-IC-06-11-28	Numerical Analysis of Heat and Moisture Transfer in Underground Air-conditioning Systems	Wang, Q.; Miao, X.; Cheng, B.; Fan, L.	
ESL-IC-06-11-280	Discussion on the Water-Saving Technology of the Green Community	He, Q.; Gou, H.; Dai, Z.; Hao, Y.	
ESL-IC-06-11-281	A Casebase of Intelligent Buildings for E-learning Systems	Chen, Z.; Clements-Croome, D. J.; Ozkan, G.; Hong, J.; Xu, Q.	
ESL-IC-06-11-282	A Review of Quantitative Approaches to Intelligent Building Assessment	Chen, Z.; Clements-Croome, D. J.; Hong, J.; Li, H.; Xu, Q.	
ESL-IC-06-11-283	A Data and Knowledge Management System for Intelligent Buildings	Hong, J.; Chen, Z.; Li, H.; Xu, Q.	
ESL-IC-06-11-284	An Information Visualization Approach to Intelligent Building Assessment	Hong, J.; Chen, Z.; Li, H.; Xu, Q.	
ESL-IC-06-11-285	Experimental Research and Performance Analysis of a Solar-Powered Air-conditioning System in a Green Building	Zhai, X.; Wang, R.; Dai, Y.; Wu, J.	
ESL-IC-06-11-286	The Experimentation System Design and Experimental Study of the Air-Conditioning by Desiccant Type Using Solar Energy	Zhuo, X.; Ding, J.; Yang, X.; Chen, S.; Yang, J.	
ESL-IC-06-11-287	An Advanced Solar-Powered Rotary Solid Adsorption Refrigerator with High Performance	Zheng, A.; Gu, J.	
ESL-IC-06-11-288	Operation of Solar Photovoltaic-Thermal (PVT) Hybrid System in KIER	Naveed, A.T.; Lee, E. J.; Kang, E. C.	
ESL-IC-06-11-289	Performance Modeling of a Solar Driven Absorption Cooling System for Carnegie Mellon University's Intelligent Workplace	Masson, S. V.; Qu, M.; Archer, D. H.	
ESL-IC-06-11-29	Field Studies of Subjective Effects on Thermal Comfort in a University Classroom	Wang, J.; Wang, Z.	
ESL-IC-06-11-290	Economic Analysis and Comparison of Waste Water Resource Heat Pump Heating and Air-Conditioning System	Zhang, C.; Wang, S.; Chen, H.; Shi, Y.	
ESL-IC-06-11-291	Study of Performance of Heat Pump Usage in Sewage Treatment and Fouling Impact on System	Song, Y.; Yao, Y.; Ma, Z.; Na, W.	
ESL-IC-06-11-292	Discussions on Disposal Forms of Auxiliary Heat Source in Surface Water Heat Pump System	Qian, J.; Sun, D.; Li, X.; Li, G.	
ESL-IC-06-11-293	Urban Sewage Delivery Heat Transfer System (1): Flow Resistance and Energy Analysis	Zhang, C.; Wu, R.; Li, G.; Li, X.; Huang, L.; Sun, D.	
ESL-IC-06-11-294	Urban Sewage Delivery Heat Transfer System (2): Heat Transfer Forms and Efficiency Analysis	Zhang, C.; Wu, R.; Li, X.; Li, G.; Zhuang, Z.; Sun, D.	
ESL-IC-06-11-295	Application Prospect Analysis of the Surface Water Source Heat-Pump in China	Zhang, C.; Zhuang, Z.; Huang, L.; Li, X.; Li, G.; Sun, D.	
ESL-IC-06-11-296	Economic Analysis of a Waste Water Resource Heat Pump Air-Conditioning System in North China	Chen, H.; Li, D.; Dai, X.	
ESL-IC-06-11-297	Analysis of Energy and Soft Dirt in an Urban Untreated Sewage Source Heat Pump System	Qian, J.; Sun, D.; Li, X.	
ESL-IC-06-11-298	Study of the design Method of an Efficient Ground Source Heat Pump Thermal Source System in a Cold Area	Shu, H.; Duanmu, L.; Hua, R.; Zou, Y.; Du, G.	
ESL-IC-06-11-299	Optimal Well-Group Distribution of a Groundwater Source Heat Pump System	Liu, Z.; Lu, L.; Yoshida, H.	
ESL-IC-06-11-30	Double Diffusion in Enclosure Bounded by Massive and Volatilizing Walls	Liu, D.; Tang, G.; Zhao, F.	
ESL-IC-06-11-300	The Well-Group Distribution of Groundwater Source Heat Pump System Optimized Research	Liu, Z.; Lu, L.; Yoshida, H.	
ESL-IC-06-11-301	Simulation Study of Heat Transportation in an Aquifer about Well-water-source Heat Pump	Cong, X.; Liu, Y.; Yang, W.	
ESL-IC-06-11-302	Groundwater Heat Pump with Pumping and Recharging in the Same Well in China	Ni, L.; Jiang, Y.; Yao, Y.; Ma, Z.	
ESL-IC-06-11-303	Successful Application of Heat Pumps to a Dhc System in the Tokyo Bay Area	Yanagihara, R.; Okagaki, A.	
ESL-IC-06-11-304	Impacts of Soil and Pipe Thermal Conductivity on Performance of Horizontal Pipe in a Ground-source Heat Pump	Song, Y.; Yao, Y.; Na, W.	
ESL-IC-06-11-305	Analysis of Selection of Single or Double U-bend Pipes in a Ground Source Heat Pump System	Shu, H.; Duanmu, L.; Hua, R.	

ESL-IC-06-11-306	A Novel Integrated Frozen Soil Thermal Energy Storage and Ground-Source Heat Pump System	Jiang, Y.; Yao, Y.; Rong, L.; Ma, Z.	
ESL-IC-06-11-307	Optimal Design for a Hybrid Ground-Source Heat Pump	Yu, Z.; Yuan, X.; Wang, B.	
ESL-IC-06-11-308	Heat Pump for High School Bathroom Heat Recovery	Huang, K.; Zhou, X.; Wang, H.	
ESL-IC-06-11-309	Advances in the Research of Heat Pump Water Heaters	Shan, S.; Wang, D.; Wang, R.	
ESL-IC-06-11-31	Numerical Simulation of a Displacement Ventilation System with Multi-heat Sources and Analysis of Influential Factors	Wu, X.; Gao, J.; Wu, W.	
ESL-IC-06-11-310	Energy Consumption Simulation and Analysis of Heat Pump Air Conditioning System in Wuhan by the BIN Method	Wen, Y.; Zhao, F.	
ESL-IC-06-11-311	Economical Analysis of a Groundwater Source Heat Pump with Water Thermal Storage System	Zhao, J.; Niu, L.; Zhou, Z.; Li, J.; Xu, W.	
ESL-IC-06-11-312	State of the Art of Air-source Heat Pump for Cold Regions	Tian, C.; Liang, N.	
ESL-IC-06-11-313	Performance Optimization of an Irreversible Heat Pump with Variable-temperature Heat Reservoirs	Huang, Y.; Sun, D.	
ESL-IC-06-11-314	The Application of Frequency-Conversion Technology in Groundwater Source Heat Pump System Reconstruction	Dai, X.; Song, S.	
ESL-IC-06-11-315	Discussion of an Optimization Scheme for the Ground Source Heat Pump System of HVAC	Mu, W.; Wang, S.; Pan, S.; Shi, Y.	
ESL-IC-06-11-316	An Exploratory Study of the New Performance Index of the Heat Pump System Based on the Second Law of Thermodynamics	Xu, W.; Li, H.	
ESL-IC-06-11-317	Simulation and Analysis for Applying the Double-Stage Coupled Heat Pump System in the Villa of Cold Area	Yang, L.; Yao, Y.; Ma, Z.	
ESL-IC-06-11-318	Using Exergy Analysis Methodology to Assess the Heating Efficiency of an Electric Heat Pump	Ao, Y.; Duanmu, L.; Shen, S.	
ESL-IC-06-11-319	A Study of Intelligent Stadiums: the City of Manchester Stadium	Chen, Z.; Hong, J.; Li, H.; Xu, Q.	
ESL-IC-06-11-32	Key Factors in Displacement Ventilation Systems for Better IAQ	Wang, X.; Chen, J.; Li, Y.; Wang, Z.	
ESL-IC-06-11-320	Case Study of Energy Diagnose and Re-commissioning in a Green Office Building	Zhang, Y.; Wei, Q.	
ESL-IC-06-11-321	Commissioning in a LEED & GOBAS Evaluated Green Building	Zhang, Y.	
ESL-IC-06-11-322	Buildings, Commissioning, Efficiency, Comfort, and CO2	Claridge, D. E.	
ESL-IC-06-11-323	Building Commissioning Process: Quality Buildings for Better Quality of Life	Leung	
ESL-IC-06-11-324	Energy/Environment/Commissioning	Nakahara, N.	
ESL-IC-06-11-325	Building Commissioning in the USA	Castro, N.; Friedman, H.	
ESL-IC-06-11-326	A Case Study on Management Process of Building Commissioning for a New Building in Hong Kong	Wong, L.	
ESL-IC-06-11-327	Activities of Building Commissioning in Japan	Yanagihara, R.	
ESL-IC-06-11-328	HVAC Commissioning - A Status Report in Taiwan	Yang, K. H.	
ESL-IC-06-11-329	Building Commissioning in the Chinese Mainland	Zhu, Y.	
ESL-IC-06-11-33	Application Study on Combined Ventilation System of Improving IAQ	Hu, S.; Li, G.; Zhang, C.; Ye, B.	
ESL-IC-06-11-330	Development of a Web-based, Emissions Reduction Calculator for Storm Water/Infiltration Sanitary Sewage Separation	Liu, Z.; Haberl, J. S.; Brumbelow, K.; Culp, C.; Gilman, D.; Yazdani, B.	
ESL-IC-06-11-34	Study on Influencing Factors of Night Ventilation in Office Rooms	Wang, Z.; Sun, X.	
ESL-IC-06-11-35	Factors Analysis on Safety of Indoor Air Quality	Luo, Q.; Liu, Z.; Xiong, J.	
ESL-IC-06-11-36	Application of the Gebhart-Block Model for Predicting Vertical Temperature Distribution in a Large Space Building with Natural Ventilation	Huang, C.; Song, Y.; Luo, X.	
ESL-IC-06-11-37	Investigation of Methods of Disinfection in an All-air System	Wang, J.; Yan, Z.	
ESL-IC-06-11-38	CFD Simulation and Measurement Validation of Air Distribution at the Hunan International Exhibition Center	Deng, T.; Zhang, Q.; Zhang, G.; Yuan, H.	
ESL-IC-06-11-39	Energy Conservation Analysis of Three-Row-Hole Hollow Blocks	Chen, G.; Li, H.; Liu, Z.	
ESL-IC-06-11-40	Research on Heat Resisting Character of Hollow Building Blocks in Energy Saving Wall	Zhang, Y.; He, J.; Gao, S.	
ESL-IC-06-11-41	Comparison of Dynamic Data Analysis Methods for Thermal Property Measurement of a Building Wall	Huang, K.; Gong, Y.	
ESL-IC-06-11-42	The Volatility and the Thermal Storage Performance of Binary Polyalcohols Systems Used in the Wall	Yan, Q.	
ESL-IC-06-11-43	Transient Analysis for Thermal and Moisture Behavior of Building Elements	Guo, X.; Chen, Y.	
ESL-IC-06-11-44	Application of Phase Change Wallboard to an Energy-Conservation Building in the Cold Area in North China	Feng, G.; Deng, D.; Li, G.	
ESL-IC-06-11-45	Research on Cool Storage Time of a Phase Change Wallboard Room in the Summer	Feng, G.; Liang, R.; Li, G.	
ESL-IC-06-11-46	Research on Thermal Properties in a Phase Change Wallboard Room Based on Air Conditioning Cold Storage	Feng, G.; Li, W.; Chen, X.	
ESL-IC-06-11-47	State-of-the-Art and Outlook: Thermal Properties of Phase Change Wallboard Rooms	Feng, G.; Liang, R.; Li, G.	
ESL-IC-06-11-48	An Application of Phase Change Technology in a Greenhouse	Liu, Y.; Chen, C.; Guo, H.; Yue, H.	
ESL-IC-06-11-49	Experimental Investigation of Natural Convection in Trombe Wall Systems	Chen, B.; Zhao, J.; Chen, C.; Zhuang, Z.	
ESL-IC-06-11-50	Energy Efficiency Evaluation of Guangzhou West Tower Façade System	Meng, Q.; Zhang, L.	
ESL-IC-06-11-51	The Study on Thermal Performance and Applicability of Energy-saving Wall Materials in Hot Summer and Cold Winter Zones	Ren, W.; Lan, M.; Hao, Y.	
ESL-IC-06-11-52	The Analysis of Dynamic Thermal Performance of Insulated Wall and Building Cooling Energy Consumption in Guangzhou	Zhao, L.; Li, X.; Li, L.; Gao, Y.	
ESL-IC-06-11-53	Solution of Air Conditioning Cooling Load Temperature for New Energy-Saving Walls	Wang, X.; Hong, J.; Deying, L.	
ESL-IC-06-11-54	Measurement of the Equivalent Thermal Resistance of Rooftop Lawns in a Hot-Climate Wind Tunnel	Meng, Q.; Zhang, Y.; Zhang, L.	
ESL-IC-06-11-55	Research on the Effect of a Planting Roof on the Thermal Load of a Business Building	Zhang, W.; Wu, J.; Wei, Y.; Gao, X.	
ESL-IC-06-11-56	Comparison of Building Energy Efficiency and Life Span for Different Envelopes	Li, Z.; Li, D.; Li, L.; Zhang, G.; Liu, J.	
ESL-IC-06-11-57	Study on Energy Saving of the Interlayer Ventilation Wall Used in Clean Operation Rooms	Feng, J.; Lian, Z.; Hou, Z.	
ESL-IC-06-11-58	Analysis and Research on the Thermal Properties of Energy-efficient Building Glass: A Case Study in PVB Laminated Glass	Chen, Z.; Meng, Q.	
ESL-IC-06-11-59	Design Considerations for Double-Skin Facades in Hot and Humid Climates	Haase, M.; Amato, A.	
ESL-IC-06-11-60	Proper Setup of HVAC System in Conjunction with Sound Building 'Skin' Design for Alleviation of IAQ and Energy Performance Problems	Rosenberg, M.	
ESL-IC-06-11-61	Experimental Study of Multi-type Macromolecule Porosity Moisture-Conditioned Material	Huang, X.; Di, Y.; Fan, Y.	
ESL-IC-06-11-62	Analysis of Heat Charging and Discharging on the Phase Change Energy-Storage Composite Wallboard (PCECW) in Building	Yue, H.; Chen, C.; Liu, Y.; Guo, H.	

ESL-IC-06-11-63	Experiment on Residential Ventilation System In Actual House	Tiecheng, L.; Zhenhai, L.	
ESL-IC-06-11-64	Experimental Study of Heat Transfer and Flow Characteristics for a New Type of Air Heater	Zheng, H.; Fan, X.; Li, A.	
ESL-IC-06-11-65	Oil and Gas Air Heaters	Kou, G.; Wang, H.; Zhou, J.	
ESL-IC-06-11-66	An Energy Analysis of the Catalytic Combustion Burner	Dong, Q.; Zhang, S.; Duan, Z.; Zhou, Q.	
ESL-IC-06-11-67	Study of the Heating Load of a Manufactured Space with a Gas-fired Radiant Heating System	Zheng, X.; Dong, Z.	
ESL-IC-06-11-68	Analysis of Heating Systems and Scale of Natural Gas-Condensing Water Boilers in Northern Zones	Wu, Y.; Wang, S.; Pan, S.; Shi, Y.	
ESL-IC-06-11-69	Hot Water Heating System Operation and Energy Conservation	Shao, Z.; Chen, H.; Wei, P.	
ESL-IC-06-11-70	Optimization of the Heating System Operation	Xu, W.; Mao, S.	
ESL-IC-06-11-71	Improving Heating System Operations Using Water Re-circulation	Li, F.; Han, J.	
ESL-IC-06-11-72	Influence of Transfer Efficiency of the Outdoor Pipe Network and Boiler Operating Efficiency on the Building Heat Consumption Index	Fang, X.; Wang, Z.; Liu, H.	
ESL-IC-06-11-73	Experimental Investigation on Thermal Properties of a Steel-jacketed Steam Heating Pipeline with Vacuum Insulation	Na, W.; Zou, P.	
ESL-IC-06-11-74	Application Study of a Single House Horizontal Heating System	Hang, Y.; Ying, D.	
ESL-IC-06-11-75	Dynamic Simulation and Analysis of Heating Energy Consumption in a Residential Building	Liu, J.; Yang, M.; Zhao, X.; Zhu, N.	
ESL-IC-06-11-76	Dynamic Simulation and Analysis of Factors Impacting the Energy Consumption of Residential Buildings	Lian, Y.; Hao, Y.	
ESL-IC-06-11-77	Practical Analysis of a New Type Radiant Heating Technology in a Large Space Building	Feng, G.; Cao, G.; Gang, L.	
ESL-IC-06-11-78	Numerical Simulation of Thermal Performance of Floor Radiant Heating System with Enclosed Phase Change Material	Qiu, L.; Wu, X.	
ESL-IC-06-11-79	Application of the VRV Air-Conditioning System Heat Recovery Series in Interior Zone and Analysis of its Energy Saving	Zhang, Q.; Li, D.; Zhang, J.	
ESL-IC-06-11-80	Module Development and Simulation of the Variable Refrigerant Flow Air Conditioning System under Cooling Conditions in Energyplus	Zhou, Y.; Wu, J.; Wang, R.; Shiochi, S.	
ESL-IC-06-11-81	Impact of the Variable Refrigerant Volume Air Conditioning System on Building Energy Efficiency	Zhu, H.	
ESL-IC-06-11-82	Optimal Design Refrigeration System for a Mucilage Glue Fiber Factory	Tan, C.; Liu, J.; Tang, F.; Liu, Y.	
ESL-IC-06-11-83	Application Availability of Insulation Heat of the Terrace in a Rebuilt Refrigerator	Qu, C.; Sun, Y.; Chen, Z.	
ESL-IC-06-11-84	Economical Analysis of the Cold Air Distribution System: A Case Study	Zhao, J.; Niu, L.; Zhou, Z.; Li, J.; Xu, W.	
ESL-IC-06-11-85	Analysis of Cold Air Distribution System in an Office Building by the Numerical Simulation Method	Jian, Y.; Li, D.; Xu, H.; Ma, X.	
ESL-IC-06-11-86	Numerical Analysis of a Cold Air Distribution System	Zhu, L.; Li, R.; Yuan, D.	
ESL-IC-06-11-87	The Impact of Energy Recovery on Window Air-conditioner Efficiency	Luo, Q.; Tang, C.; Liao, K.	
ESL-IC-06-11-88	Numerical Simulation and Experimental Study on Airflow Characteristics in the Plenum of Underfloor Air Supply	Li, X.; Li, N.; Fang, F.; Zhao, D.	
ESL-IC-06-11-89	Airflow Simulation and Energy Analysis in Ventilated Room with a New Type of Air Conditioning	Liu, D.; Tang, G.; Zhao, F.	
ESL-IC-06-11-90	CFD Simulation and Analysis of the Combined Evaporative Cooling and Radiant Ceiling Air-conditioning System	Xiang, H.; Yinming, L.; Junmei, W.	
ESL-IC-06-11-91	More Issues of Building Energy Simulation	Kang, Z.; Zhao, J.	
ESL-IC-06-11-92	Energy Consumption Estimation for Room Air-conditioners Using Room Temperature Simulation with One-Minute Intervals	Wang, F.; Yoshida, H.; Matsumoto, K.	
ESL-IC-06-11-93	Design and Operation of Fan-Coil Units in Using River Water as Chilled Water	Jiang, A.; Chen, H.; Ma, W.; Zhu, H.	
ESL-IC-06-11-94	Analysis of the Energy-Saving Potential of a Three-Rotary Wheel Fresh Air-Handling Unit	Hao, X.; Zhang, G.; Zou, S.; Liu, H.	
ESL-IC-06-11-95	Research on the Integration Characteristics of Cooling Energy Recovery from Room Exhausting Cool Air in Summer	Zhang, W.; Wu, J.; Wei, Y.	
ESL-IC-06-11-96	Numerical Analysis of the Channel Wheel Fresh Air Ventilator Under Frosting Conditions	Gao, B.; Dong, Z.; Cheng, Z.; Luo, E.	
ESL-IC-06-11-97	Performance Test and Energy Saving Analysis of a Heat Pipe Dehumidifier	Zhao, X.; Li, Q.; Yun, C.	
ESL-IC-06-11-98	Analysis of Energy Saving in a Clean Room Air-conditioning System	Liu, S.; Liu, J.; Pei, J.; Wang, M.	
ESL-IC-06-11-99	Numerical Simulation of Displacement Ventilation in a Gymnasium in a Large Space Building	Wu, X.; Li, X.	
ESL-IC-07-11-01	A Smart Logic for Conference Room Terminal Box of Single Duct VAV System	Yu, Y.; Xu, K.; Cho, Y.; Liu, M.	
ESL-IC-07-11-02	Integrated Demand Controlled Ventilation for Single Duct VAV System with Conference Rooms	Yu, Y.; Liu, M.; Cho, Y.; Xu, K.	
ESL-IC-07-11-03	CCEP Retrofit and Innovative Controls to Achieve 56% Energy Savings for a Luxury Shopping Mall	Wu, L.; Pang, X.; Liu, M.; Wang, J.; Lewis, T. G.	
ESL-IC-07-11-04	Economizer Control Using Mixed Air Enthalpy	Feng, J.; Liu, M.; Pang, X.	
ESL-IC-07-11-05	Supply Fan Control for Constant Air Volume Air Handling Units	Cho, Y.; Wang, G.; Liu, M.	
ESL-IC-07-11-06	Air Handling Unit Supply Air Temperature Optimization During Economizer Cycles	Wang, G.; Wang, Z.; Xu, K.; Liu, M.	
ESL-IC-07-11-07	Impacts of Static Pressure Reset on VAV System Air Leakage, Fan Power and Thermal Energy - Part I: Theoretical Model and Simulation	Liu, M.; Feng, J.; Wang, Z.; Wu, L.; Zheng, K.; Pang, X.	
ESL-IC-07-11-08	Impacts of Static Pressure Reset on VAV System Air Leakage, Fan Power and Thermal Energy - Part 2: Case Demonstration for a Typical Climate System	Liu, M.; Zheng, K.; Wu, L.; Wang, Z.; Johnson, C.	
ESL-IC-07-11-09	Application of Wireless Sensor Network (WSN) Technologies in Optimal Static Pressure Reset in Variable Air Volume (VAV) System	Zheng, K.; Li, H.; Yang, H.	
ESL-IC-07-11-10	Infiltration Investigation of a Radiantly Heated or Cooled Office	Gong, X.; Claridge, D. E.; Archer, D. H.	
ESL-IC-07-11-11	Methodology for the Determination of Potential Energy Savings in Commercial Buildings	Baltazar, J. C.; Claridge, D. E.	
ESL-IC-07-11-12	Optimization of Chilled Water Flow and Its Distribution in Central Cooling System	Maheshwari, G. P.; Hajjah, A. E.; ElSherbini, A. I.	
ESL-IC-07-11-13	Development of a Heat Transfer Model for the Integrated Façade Heating	Claridge, D. E.; Gong, X.; Archer, D. H.	
ESL-IC-07-11-14	Application of Various HVAC Simulation Programs and Visual Tools to Commissioning	Zheng, M.; Pan, S.	
ESL-IC-07-11-15	Application of Risk Analysis to Evaluating M&V Requirement for Energy Efficiency Program	Tan, G.; Gogte, S.; Gowans, D.; Gregoire, C.	
ESL-IC-07-11-16	Application of Multizone HVAC Control Using Wireless Sensor Networks and Actuating Vent Registers	Watts, W.; Koplow, M.; Redfern, A.; Wright, P.	

ESL-IC-07-11-17	Commissioning High Performance Residences in Hot, Humid Climates	Fonow, K.; Chandra, S.; McIlvaine, J.; Colon, C.	
ESL-IC-07-11-18	Using Show Homes (and Sponsorships) to Persuade Commissioning Relevancy and Factory Crafted High Performance Modular Homes	Thomas-Rees, S.; Chasar, D.; Beal, D.; Chandra, S.	
ESL-IC-07-11-19	Integrating Enhanced Building Operations into Municipal Sustainability Programming: A Report from NYC	Bobker, M.	
ESL-IC-07-11-20	Continuous Commissioning of Public Schools	Napper, G.; Wei, G.; Turner, D.; Baltazar-Cervantes, J. C.; Dong, D.; Song, L.; Joo, I. S.	
ESL-IC-07-11-21	Post-Retrocommissioning HVAC Operations Monitoring Using Enterprise-Wide Energy Management System	Amarnani, N.; Roberts, B.; Choy, H.	
ESL-IC-07-11-22	Enhancing the Commissioning Process on Multi-Building Projects with Six Sigma Tools/Techniques	Buck, L.	
ESL-IC-07-11-23	Experiences on the Implementation of the "Energy Balance" Methodology as a Data Quality Control Tool: Application to the Building Energy Consumption of a Large University Campus	Baltazar, J. C.; Sakurai, Y.; Masuda, H.; Feinauer, D.; Liu, J.; Ji, J.; Claridge, D. E.; Deng, S.; Bruner, H.	
ESL-IC-07-11-24	Building HVAC Control System Interaction Issues: Two Case Studies	Toole, C.; Xu, C.; Chen, Q.; Deng, S.	
ESL-IC-07-11-25	Evaluating Equipment Performance Using SCADA/PMS Data for Thermal Utility Plants - Case Studies	Chen, Q.; Xu, C.; Deng, X.	
ESL-IC-07-11-26	Achieving High Chilled Water Delta T Without Blending Station	Wang, Z.; Wang, G.; Xu, K.; Yu, Y.; Liu, M.	
ESL-IC-07-11-27	Energy Conservation Through Demand-Side Management (DSM): A Methodology to Characterize Energy Use Among commercial Market Segments	Grosskopf, K. R.; Oppenheim, P.; Barclay, D.	
ESL-IC-07-11-28	Summary of the 2006 Automated Demand Response Pilot	Piette, M. A.; Kiliccote, S.	
ESL-IC-07-11-29	Computational Study on Thermal Properties of HVAC System with Building Structure Thermal Storage	Sato, Y.; Sagara, N.; Ryu, Y.; Maehara, K.; Nagai, T.	
ESL-IC-07-11-30	The Influence of Air-Conditioning Efficiency in the Peak Load Demand for Kuwait	Ali, A. A.; Maheshwari, G. P.	
ESL-IC-07-11-31	Study on Control Performance of HVAC System or Interior Zone and Perimeter Zone in Office Building-Estimation of Optimal PI Tuning in Cooling Operation	Maehara, K.; Sagara, N.	
ESL-IC-07-11-32	Use of Computational Intelligence in Illumination Systems Searching Energetic Efficiency	Silva, I.; Tostes, M. E.; Silva, R.	
ESL-IC-07-11-33	VAV System Optimization through Continuous Commissioning in an Office Building	Cho, Y.; Pang, X.; Liu, M.	
ESL-IC-07-11-34	Continuous Commissioning of Commercial Kitchen and Dining Facilities - Case Study	Li, H.; Xu, C.; Chen, Q.; Deng, S.	
ESL-IC-07-11-35	Continuous Commissioning of the Reynolds Army Community Hospital, Fort Sill, Oklahoma	Martinez, J. T.; Turner, W. D.; Baltazar, J. C.	
ESL-IC-07-11-36	Continuous Commissioning of A Medical Research Facility	Zeig, G.; Wei, G.; Turner, D.; Baltazar-Cervantes, J. C.	
ESL-IC-07-11-37	CC Retrofits and Optimal Controls for Hot Water Systems	Wu, L.; Liu, M.; Wang, G.	
ESL-IC-07-11-38	Product and Process Modeling for Functional Performance Testing in Low-Energy Building Embedded commissioning Cases	Akin, O.; Lee, K. J.; Akcamete, A.; Akinci, B.; Garrett, J.	
ESL-IC-07-11-39	Commissioning of a Coupled Earth Tube and Natural Ventilation System at the Design Phase	Pan, S.; Zheng, M.; Yoshida, H.	
ESL-IC-07-11-40	The New House of the Region of Hannover: Energy Efficiency in a Public Private Partnership	Plesser, S.; Fisch, M. N.	
ESL-IC-07-11-41	Automatic CX Tool for Electrical Building	Couillaud, N.; Jandon, M.; Viaud, B.; Clemoncon, B.	
ESL-IC-07-11-42	Sustainable Energy Future in China's Building Sector	Li, J.	
ESL-IC-07-11-43	A Methodology for Calculating Emissions Reductions from Renewable Energy Programs and Its Application to the Wind Farms in the Texas ERCOT Region	Liu, Z.; Haberl, J. S.; Baltazar, J. C.; Subbarao, K.; Culp, C.; Yazdani, B.	
ESL-IC-07-11-44	Procedures for the Integration of Complete Year Texas Weather Data Files for eCalc -Emissions Reduction Calculator	Baltazar, J. C.; Haberl, J. S.; Culp, C.; Yazdani, B.; Gilman, D.	
ESL-IC-07-11-45	Will Monetized Carbon Emission Reductions Buy Enhanced Building Operations?	Millhone, J.	
ESL-IC-07-11-46	IPCC WGIII Assessment Report: Chapter 6. Mitigation Options in Buildings	Levine, M. D.; Urge-Vorsatz, D.	
ESL-IC-07-11-47	California Commissioning Collaborative: 2007 Program Plan	Parks, J.	
ESL-IC-07-11-48	Overview of the CCC Retrocommissioning Toolkit	Friedman, H.	
ESL-IC-07-11-49	Case Study of Two MBCx Projects: Using M&V to Track Energy Performance	Jump, D.	
ESL-IC-07-11-50	Keynote Speaker Presentation	Rosenfeld, A. H.	
ESL-IC-11-10-16	Calibration of a Building Energy Model to Energy Monitoring System Data Using an Analytical Optimisation Approach	Coakley, D.	
ESL-IC-11-10-29	A New Web-based Detailed Weather Data System Providing Global Energy Support for Precision Energy Modeling Analyses and Tracking	Keller, J.; Khuen, C.	
ESL-IC-11-10-42	Comprehensive Energy Management and Optimization Program—Alamo Colleges, San Antonio, Texas	Martinez, J.T.	
ESL-IC-11-10-44	Comprehensive Energy Efficiency in City of Austin Facilities	Lilley, D.	
ESL-IC-11-10-47	SmartGrid & Smart Building Convergence—How Will Buildings Respond in a Demand Response Event?	Roberts, J.J.	
ESL-IC-11-10-50	Demand Side Management for Schools and Governmental Buildings in the State of Kuwait	Al-Mulla, A.; Elsherbini, A.; Al-Otaibi, A.; Ishaqali, H.	
ESL-IC-11-10-54	NE Track- Regional Utility Programs for Operational Improvement	Miller, M.	
ESL-IC-11-10-59	Guidelines for Existing Buildings Cx	Miller, M.	
ESL-IC-11-10-62	The Role of the Operating Engineers' Union	Styles, H.	
ESL-IC-11-10-64	The Universities' Role and Response	Daly, A.	
ESL-IE-05-05-01	Baytown Olefins Plant 2003 Energy Efficiency Projects	Reimann, C.	
ESL-IE-05-05-02	Merck Global Energy Management Program	Williams, K.	
ESL-IE-05-05-03	The Results (Lessons Learned) of More than 110 Energy Audits for Manufacturers by the Louisiana Industrial Assessment Center	Kozman, T.; Davies, T.; Reynolds, C.; O'Quin, R.; DaCosta, J.; Galti, T.; Pechon, C.; Stutes, K.	
ESL-IE-05-05-04	Observations of a Building Energy Auditor: 10 Years in Other People's Closets	Houcek, J. K.	
ESL-IE-05-05-05	How to Avoid Overestimating Variable Speed Drive Savings	Maxwell, J. B.	

ESL-IE-05-05-06	Electrical Power Savings in Pump and Compressor Networks via Load Management	Kumana, J. D.; Aseeri, A. S.	
ESL-IE-05-05-07	Using Key Performance Indicators to Manage Energy Costs	Van Gorp, J. C.	
ESL-IE-05-05-08	Interactive Energy Management Tool (IEMT) for Arkansas Companies	Pidugu, S. B.; Menhart, S.; Midturi, S.	
ESL-IE-05-05-09	Demand Response Enabling Technologies and Approaches for Industrial Facilities	Epstein, G.; D'Antonio, M.; Schmidt, C.; Seryak, J.; Smith, C.	
ESL-IE-05-05-10	Modern Compressed Air Piping Selection and Design Can Have a Great Impact on Your Compressed Air Energy Dollars	Van Ormer, H.	
ESL-IE-05-05-11	How to Substantially Reduce the Biggest Energy Wasters in Compressed Air Systems	Kemp, H. L.	
ESL-IE-05-05-12	Compressed Air Load Reduction Approaches and Innovations	D'Antonio, M.; Epstein, G.; Moray, S.; Schmidt, C.	
ESL-IE-05-05-13	Metering Air Compressor Systems for Efficiency: A Progress Report	Joseph, B.	
ESL-IE-05-05-14	Applications of AirMaster+ in Real Industrial Facilities	Moray, S.; D'Antonio, M.; Patil, Y.; MacDougall, A.	
ESL-IE-05-05-15	Reducing Your Leak Rate Without Repairing Leaks	Beals, C.	
ESL-IE-05-05-16	Business Development - Predictive Maintenance Products	Sceiczina, P.	
ESL-IE-05-05-17	Temperature Measurements Through Dust or Steam for Energy-Intensive Industries	Stephan, K. D.; Pearce, J. A.; Wang, L.; Ryza, E.	
ESL-IE-05-05-18	Electrical Equipment Replacement: Energy Efficiency versus System Compatibility	Massey, G. W.	
ESL-IE-05-05-19	Study of Energy and Demand Savings on a High Efficiency Hydraulic Pump System with Infinite Turn Down Technology (ITDT)	Sfeir, R. A.; Kanungo, A.; Liou, S.	
ESL-IE-05-05-20	Use of VFDs on Asphalt Plant Induced Draft Fans	Anderson, G. R.; Case, P. L.; Lowery, J.	
ESL-IE-05-05-21	Voith High Efficiency HM Rotor Energy Data, A Repulper Rotor Design Case Study	Aue, J.; Fineran, B.	
ESL-IE-05-05-22	Innovative Energy Efficient Industrial Ventilation	Litomisky, A.	
ESL-IE-05-05-23	Energy Audit Uncovers Major Energy Savings for Paper Mill	Aue, J.; Pierce, S.	
ESL-IE-05-05-24	Daylighting Application and Effectiveness in Industrial Facilities	McCowan, B.; Birleanu, D.	
ESL-IE-05-05-25	Savings Through Power Quality	Mehrdad, M.	
ESL-IE-05-05-26	Opportunities for Energy Efficiency and Demand Response in Corrugated Cardboard Manufacturing Facilities	Chow, S.; Hackett, B.; Ganji, A. R.	
ESL-IE-05-05-27	BASF's Energy Survey Methodology	Theising, T. R.	
ESL-IE-05-05-28	Integrating Process Unit Energy Metrics into Plant Energy Management Systems	Davis, J. L.; Knight, N.	
ESL-IE-05-05-29	Incremental Implementation of Energy Management at Industrial Facilities	Brown, M.; Key, G.	
ESL-IE-05-05-30	An Innovative Approach to Plant Utility Audits Yields Significant Results	Robinson, J. E.; Moore, D. A.	
ESL-IE-05-05-31	Sustaining Performance Improvements in Energy Intensive Industries	Moore, D. A.	
ESL-IE-05-05-32	Cooling Water System Optimization	Aegerter, R.	
ESL-IE-05-05-33	A Systems Approach to Optimize the Operation of a Refrigeration Unit at a Chemical Plant	Papar, R.; Zugibe, K.; Heitler, J.	
ESL-IE-05-05-34	Improving the Efficiency of Your Process Cooling System	Baker, R.	
ESL-IE-05-05-35	Building a State Industrial Energy Efficiency Network	Ferland, K.	
ESL-IE-05-05-36	A Practical Approach to Energy Management in a Large Petrochemical Manufacturing Facility	Ackley, A.	
ESL-IE-05-05-37	Natural Gas IC Engine Three-Way Catalyst And Control System Good For The Environment And The Bottom Line	LeLeux, C.; Fischer, G.	
ESL-IE-05-05-38	A Zero Emission Mechanical Seal with Integral Micro Heat Exchanger	Khonsari, M.	
ESL-IE-05-05-39	Energy Assessment Protocol for Glass Furnaces	Plodinec, M. J.; Kauffman, B. M.; Norton, O. P.; Richards, C.; Connors, J.; Wishnick, D.	
ESL-IE-05-05-40	Public-Private Partnerships for Energy Efficiency Programming, Successes of the Massachusetts Energy Efficiency Partnership	Winkler, E.	
ESL-IE-05-05-41	Water Hammer Elimination: A Case Study	Venkatesan, V. V.; Harun, S. D.; Karthikeyan, P. S.	
ESL-IE-05-05-42	Simulation of Combustion and Thermal Flow in an Industrial Boiler	Saripalli, R.; Wang, T.; Day, B.	
ESL-IE-05-05-43	Quantifying Energy Savings by Improving Boiler Operation	Carpenter, K.; Kissock, K.	
ESL-IE-05-05-44	10 Strategic Steps to Reducing Your Energy Costs	Swanson, G. A.; Haley, M.	
ESL-IE-05-05-45	Strategies for Enterprise-Wide Energy Management	Victor, A.	
ESL-IE-05-05-46	Global Energy Management System	Eidt, B. D.	
ESL-IE-05-05-47	BC Hydro Industrial Sector: Marketing Sector Marketing Plan (Fiscal 2005/Fiscal 2006)	Willis, P.; Wallace, K.	
ESL-IE-05-05-48	Energy Management Pathfinding: Understanding Manufacturers' Ability and Desire to Implement Energy Efficiency	Russell, C.	
ESL-IE-05-05-49	Energy Conservation Fund: Helping Corporations Develop Energy Conservation Strategies and Reduce Utility Costs	Swanson, G. A.; Houston, W.	
ESL-IE-05-05-50	Understanding Leasing Options for Energy Projects	Davenport, B.	
ESL-IE-05-05-51	U.S. Department of Energy (DOE) Industrial Programs and Their Impacts	Weakley, S. A.; Roop, J. M.	
ESL-IE-05-05-52	Eco-Efficiency in Practice: Aligning Business and Environmental Interests in the Upstream Oil and Gas Sector	Lukacs, J.; Munroe, V.	
ESL-IE-06-05-01	Baytown Energy Project	Porter, J.	
ESL-IE-06-05-02	Reduction of Utility Usage in a Glyphosate Intermediate (GI) Unit	Sander, M. L.	
ESL-IE-06-05-03	Deer Park Chemical Plant Received ACC Award for Energy Efficiency Program	Moon, S.; Heyman, E.	
ESL-IE-06-05-04	Managing Energy Efficiency Improvement	Almaguer, J.	
ESL-IE-06-05-05	Advancing Equipment Reliability via a Natural Disaster Opportunities for Thinking Outside the Box	Stephens, R.	
ESL-IE-06-05-06	A Case Study in Developing Process Unit Energy Metrics	Davis, J. L.; Van Atta, B.	
ESL-IE-06-05-07	Quantifying Energy Savings from Lean Manufacturing Productivity Increases	Seryak, J.; Epstein, G.; D'Antonio, M.	
ESL-IE-06-05-08	Thermal and Economic Analyses of Energy Saving by Enclosing Gas Turbine Combustor Section	Li, X.; Wang, T.; Day, B.	
ESL-IE-06-05-09	Optimization of Industrial Refrigeration Plants: Including a Case Study at Stonyfield Farm Yogurt	D'Antonio, M.; Moray, S.; McCowan, B.; Epstein, G.; Drake, L.; Farms, S.; Dixon, R.	
ESL-IE-06-05-10	Direct-Contact Process Water Heating	Hamann, M. R.	
ESL-IE-06-05-11	Upgrade Your Lighting & Open the Door to Energy Savings	Houcek, J. K.	
ESL-IE-06-05-12	Roof Coating Procedures and Their Productivity Gains	Bonaby, J.; Schaub, D.	

ESL-IE-06-05-13	Taking Another Look at Pumping Systems: Opportunities Go Well Beyond Just Energy Savings	Tutterow, V.; Walters, T.	
ESL-IE-06-05-14	Redesigning Process Cooling Systems in the Plastics Industry	Anderson, G. R.	
ESL-IE-06-05-15	The Many Faces of a Compressed Air Audit	Kemp, H. L.	
ESL-IE-06-05-16	Effects of 'Limited Product Line Audits'	Van Ormer, H.	
ESL-IE-06-05-17	Industrial Ventilation Statistics Confirm Energy Savings Opportunity	Litomisky, A.	
ESL-IE-06-05-18	CIMS: An Integrated US-Canadian Model	Nyboer, J.	
ESL-IE-06-05-19	Distributed Energy: Modeling Penetration in Industrial Sector Over the Long-Term	Greening, L.	
ESL-IE-06-05-20	Detailed Modeling of Industrial Energy Use and Greenhouse Gas Emissions in an Integrated Assessment Model of Long-term Global Change	Sinha, P.; Wise, M.; Smith, S.	
ESL-IE-06-05-21	Integrating Empirical Measures of Energy Efficiency into an Energy Modeling Framework	Boyd, G.	
ESL-IE-06-05-22	Designing and Implementing Monitoring Based Energy Cost Reduction Programs	McMullan, A. S.; Pretty, B. L.; Hart, D.	
ESL-IE-06-05-23	Audits and Implementation of Plant Wide Energy Management and Reporting Systems	Robinson, J.; Moore, D.	
ESL-IE-06-05-24	Real-Time Demand Side Energy Management	Victor, A.; Brodtkorb, M.	
ESL-IE-06-05-25	Industrial Energy Management: Doing More with Less	Sheppard, J.; Tisot, A.	
ESL-IE-06-05-26	U.S. Department of Energy (DOE) Industrial Programs and Their Impacts	Weakley, S. A.; Roop, J. M.	
ESL-IE-06-05-27	Energy Efficiency Opportunities in the Stone and Asphalt Industry	Moray, S.; Throop, N.; Seryak, J.; Schmidt, C.; Fisher, C.; D'Antonio, M.	
ESL-IE-06-05-28	The Role of Emerging Technologies in Improving Energy Efficiency: Examples from the Food Processing Industry	Lung, R. B.; Masanet, E.; McKane, A.	
ESL-IE-06-05-29	Combined Heat and Power: Connecting the Gap Between Markets and Utility Interconnection and Tariff Practices (Part 1)	Brooks, S.; Elswick, B.; Elliott, R. N.	
ESL-IE-06-05-30	Steam Pressure Reduction Opportunities and Issues	Berry, J.; Griffin, B.; Wright, A. L.	
ESL-IE-06-05-31	The Enbridge "Steam Saver" Program: Steam Boiler Plant Efficiency-Update to Year End 2005	Griffin, B.; Johnson, D.	
ESL-IE-06-05-32	Energy Cost Control Strategies: What Do Large Energy Consumers Do and Why?	Russell, C.	
ESL-IE-06-05-33	Creating an Energy Strategy that Delivers Cost Savings While Optimizing Asset Utilization	Sears, A.	
ESL-IE-06-05-34	Reaping Energy Savings from Petroleum Refining	Deng, A.; Cascone, R.	
ESL-IE-06-05-35	Energy and Environmental Footprinting	Severson, D.; Whitaker, C.; James, F.	
ESL-IE-06-05-36	Lost Opportunities in Industrial Energy Efficiency: New Production Lean Manufacturing and Lean Energy	Seryak, J.; Epstein, G.; D'Antonio, M.	
ESL-IE-06-05-37	Energy Workforce Training Future Need and Projections	Midturi, S.; Pidugu, S. B.	
ESL-IE-06-05-38	Multi-Site Energy Reduction Through Teamwork	Tutterow, V.; Walters, T.	
ESL-IE-06-05-39	Impact of Tight Energy Markets on Industrial Energy Planning	Elliott, R. N.	
ESL-IE-06-05-40	Driving Energy Performance with Energy Management Teams	Younghein, M.; Tunnessen, W.	
ESL-IE-06-05-41	Final Flue Gas Cleaning (FFGC)	Stinger, D. H.; Romero, M. H.	
ESL-IE-06-05-42	Cost Assessment of CO2 Sequestration by Mineral Carbonation	Yeboah, F. E.; Yegulaip, T. M.; Singh, H.	
ESL-IE-06-05-43	Developing Solutions for the Energy and Environmental Challenge	McMullan, A. S.; Pretty, B. L.	
ESL-IE-06-05-44	Plant-Wide NOx Reduction Strategies	Baukal, C.; Waibel, D.; Webster, T.	
ESL-IE-06-05-45	Unusual ASD Motor Conversions in a Carpet Yarn Plant	Brown, M.; Meffert, W.	
ESL-IE-06-05-46	Unwinding the Spin on Variable Speed Drive Air Compressors	Beals, C. E.	
ESL-IE-06-05-47	Replacing Motors Counting Savings: Results from a 100 Motor Study	Kaufman, N. M.	
ESL-IE-07-05-04	DuPont Energy Breakout Initiative	Bailey, W. F.	
ESL-IE-07-05-09	U.S. Department of Energy (DOE) Industrial Programs and Their Impacts	Weakley, S. A.; Roop, J. M.	
ESL-IE-07-05-10	Production Scheduling with Energy Efficiency Constraints	Lee, J.; Kozman, T. A.; Wang, X.	
ESL-IE-07-05-11	How to Reduce Energy Supply Costs	Swanson, G.	
ESL-IE-07-05-12	Plant Wide Energy Management and Reporting Systems Provide Sustainable Results	Robinson, J. E.	
ESL-IE-07-05-13	LogTool: A Flexible, Publicly Available Data Analysis Tool Providing Graphical Analysis, Extraction of Data Subsets and Daytyping for Multiple Data Formats	Qualmann, R. L.; Goudge, P.; Baker, M.	
ESL-IE-07-05-15	Industrial Energy Use Indices	Hanegan, A.; Heffington, W. M.	
ESL-IE-07-05-16	Analysis of Energy Savings by Painting a Rotary Kiln Surface	Li, X.; Wang, T.; Tonti, R. T.; Edwards, L.	
ESL-IE-07-05-20	California's Industrial Energy Efficiency Best Practices Technical Outreach and Training Program	Kazama, D. B.; Wong, T.; Wang, J.	
ESL-IE-07-05-22	Industrial Energy Audit Basics by an Energy Auditor	Phillips, J.	
ESL-IE-07-05-23	Use of Utility Interval Meters in an Industrial Energy Audit	Wallace, M.	
ESL-IE-07-05-33	Ontario's Protocols for Evaluating the Energy and Bill Savings from Industrial Energy Efficiency Programs	Messenger, M.	
ESL-IE-07-05-34	World-Class Energy Assessments: Industrial Action Plans for Greater and More Durable Energy Cost Control	Russell, C.	
ESL-IE-07-05-35	Industrial Energy Efficiency as a Risk Management Strategy	Naumoff, C.; Shipley, A. M.	
ESL-IE-07-05-36	The Energy Services Provider as Corporate Engineer: A Partnership in Developing a Productive, Sustainable Energy Management Program	Imel, M.; Gromacki, M.	
ESL-IE-07-05-42	NOx Reduction through Efficiency Gain	Benz, R.; Thompson, R.; Staedter, M.	
ESL-IE-07-05-43	Reducing Energy Costs And Minimizing Capital Requirements: Case Studies of Thermal Energy Storage (TES)	Andrepoint, J. S.	
ESL-IE-07-05-44	Selection and Specification of Combined Heat and Power System for a Carbon Black Manufacturer	Kozman, T. A.; DaCosta, J.; Lee, J.	
ESL-IE-07-05-45	Considerations in Dealing with the Risk of a Compressor Failure	Beals, C. E.	
ESL-IE-07-05-46	Reduce Overhead, Implement Energy Efficiency in Water/Wastewater	Cantwell, J. C.	
ESL-IE-07-05-47	The Relationship between Water and Energy: Optimizing Water and Energy	Finley, T.; Fennessey, K.; Light, R.	
ESL-IE-07-05-48	Optimizing Natural Gas Use: A Case Study	Venkatesan, V. V.; Schweikert, P.	
ESL-IE-07-05-49	Steam and Condensate System Optimization in Converse College, Spartanburg, SC	Cruz, A.; Iordanova, N.; Stevenson, S.	

ESL-IE-09-05-13	A Best Practice Approach: How to Plan, Execute and Thrive in the "Changing" World of Climate Change, Energy Efficiency, and Energy Management	Blue, K. N.; Spates, C. N.	
ESL-IE-10-05-01	A New Approach to Optimizing Fired Heaters	Garg, A.	
ESL-IE-10-05-06	Saving Money with Air and Gas Leak Surveys	Woodruff, D.	
ESL-IE-10-05-08	Emissions and Energy: An Integral Approach Using an Online Energy Management and Optimization Model	Ruiz, D.; Ruiz, C.; Santollani, O.; Reitmeier, T.	
ESL-IE-10-05-10	Industrial Energy Efficiency Programs: Development and Trends	Chittum, A.; Kaufman, N.; Elliot, N.	
ESL-IE-10-05-11	The Results of More Than 250 Industrial Assessments for Manufacturing by the Louisiana Industrial Assessment Center for the Past Ten Years	Kozman, T.; Lee, J.	
ESL-IE-10-05-12	The Role of Benchmarking in Promoting Strong Energy Management Systems	Tunnessen, W.	
ESL-IE-10-05-13	Improved Boiler System Operation with Real-time Chemical Control	Bloom, D.; Jenkins, B.	
ESL-IE-10-05-14	Saving Money with Steam Leak and Steam Trap Surveys	Woodruff, D.	
ESL-IE-10-05-16	Generating Electricity with your Steam System: Keys to Long Term Savings	Bullock, B.; Downing, A.	
ESL-IE-10-05-17	Reducing Safety Flaring through Advanced Control	Hokanson, D.; Lehman, K.; Matsumoto, S.; Takai, N.; Takase, F.	
ESL-IE-10-05-18	The Role of Advanced Process Control in Your Energy Management Solution	Johnson, K.; Van Wyk, L.	
ESL-IE-10-05-19	Achieving Superior Plant Energy Performance Utilizing Real-time Data	Subramanya, S.	
ESL-IE-10-05-20	Saving Megawatts with Voltage Optimization	Wilson, T.; Bell, D.	
ESL-IE-10-05-22	U.S. Department of Energy Industrial Programs and Their Impacts	Weakley, S. A.; Roop, J. M.	
ESL-IE-10-05-23	Achieving Superior Energy Performance	Ferland, K.	
ESL-IE-10-05-24	Retrofit of Tehran City Gate Station C.G.S. No. 2 by Using Turboexpander	Seresht, R. T.; Ja, H. K.	
ESL-IE-10-05-25	Energy Use in Distillation Operation: Nonlinear Economic Effects	Emerson Process Management	
ESL-IE-10-05-26	Use of Statistical Approach to Design an Optimal Duct System for On-demand Industrial Exhaust Ventilation	Litomisky, A.	
ESL-IE-10-05-27	The Role of Incentives in Promoting CHP Development	Kaufman, N.; Elliot, R. N.	
ESL-IE-10-05-28	Federal Support to Energy Efficiency in U.S. Industry: Collaboratively Addressing Energy Management in Small- and Medium-Sized Enterprises (SMEs)	Bostrom, P.; Lung, R. B.; Harris, J.	
ESL-IE-10-05-29	Designing for Sustainability: Houston DOW Center LEED Gold	McCall, H.; McVey, K.; Rash, A.	
ESL-IE-10-05-30	ExxonMobil Beaumont Chemical Plant Steam Integration Project	Long, T.	
ESL-IE-10-05-31	Cyclohexanone 1 Steam Optimization, Freeport Texas	Morales, J. R.	
ESL-IE-10-05-32	Optimizing Production of Hydroquinone Achieves Increased Yield and Energy Efficiency	Gross, S.	
ESL-IE-10-05-33	Dow Freeport PMDI MRU Optimization	Litzinger, J.	
ESL-IE-10-05-34	Reduce Steam Trap Failures at Chambers Works	Kouba, C.	
ESL-IE-10-05-35	Intelligent Radio Frequency (RF) Monitoring	Kimbrough, B.	
ESL-IE-10-05-36	ExxonMobil Baton Rouge Chemicals: Energy Optimization in a Turndown Environment	Geier, E.; Panaev, L.; Waite, R.; Eklor, L.	
ESL-IE-10-05-37	Steam Cracker Furnace Energy Improvements	Gandler, T.	
ESL-IE-12-05-10	What To Do With Cold Traps and Why	Risko, J. R.; Walter, J. P.	
ESL-IE-13-05-01	Foundations for Efficiency: Industrial Energy Efficiency Program Structures in the U.S. and Canada	Trombley, D.; Taylor, B.	
ESL-IE-13-05-01a	Foundations of Efficiency: an Overview of Industrial Program Models	Trombley, D.	
ESL-IE-13-05-02	Industrial Energy Efficiency Technical Review Guidelines and Best Practices	Dalziel, N.	
ESL-IE-13-05-03	Lean, Energy, and Savings: Energy Impacts of Lean Manufacturing	Milward, R.; Gilles, C.; Brown, K.	
ESL-IE-13-05-03a	Lean, Energy, and Savings: Energy Impacts of Lean Manufacturing	Milward, R.; Gilles, C.; Brown, K.	
ESL-IE-13-05-04	Industrial Energy: Counseling the Marriage Between Energy Users and Efficiency Programs	Russell, C.	
ESL-IE-13-05-04a	Industrial Energy: Counseling the Marriage Between Energy Users and Efficiency Programs	Russell, C.	
ESL-IE-13-05-05	Low Temperature Waste Energy Recovery at Chemical Plants and Refineries	Ferland, K.; papar, R.; Quinn, J.; Kumar, S.	
ESL-IE-13-05-05a	Low Temperature Waste Energy Recovery at Chemical Plants and Refineries	Ferland, K.; papar, R.; Quinn, J.; Kumar, S.	
ESL-IE-13-05-06	Innovative Self- Generating Projects	Kelly, L.	
ESL-IE-13-05-07	Wastewater Recycle- A Sustainable Approach Towards Desalination	Mittal, A.	
ESL-IE-13-05-08	Improving Process Cooling Tower Efficiency	Turpish, W.	
ESL-IE-13-05-09	Driving Water and Wastewater Utilities to More Sustainable Energy Management	Ferrel, L.; Liner, B.	
ESL-IE-13-05-09a	Driving Water and Wastewater Utilities to More Sustainable Energy Management	Ferrel, L.; Liner, B.	
ESL-IE-13-05-10	Plant Energy Benchmarking: A Ten Year Retrospective of the ENERGY STAR Energy Performance Indicators (ES-EPI)	Boyd, G.; Tunnessen, W.	
ESL-IE-13-05-10a	Plant Energy Benchmarking: A Ten Year Retrospective of the ENERGY STAR Energy Performance Indicators (ES-EPI)	Boyd, G.; Tunnessen, W.	
ESL-IE-13-05-11	The Role of Visualization Systems in Managing the Energy of Production Systems	Dussault, R.	
ESL-IE-13-05-11a	The Role of Visualization Systems in Managing the Energy of Production Systems	Dussault, R.	
ESL-IE-13-05-12	Energy Results of ISO 50001 Deployment by Program Administrators	Brown, K.; Gilles, C.; Milward, R.	
ESL-IE-13-05-12a	Energy Results of ISO 50001 Deployment by Program Administrators	Brown, K.; Gilles, C.; Milward, R.	
ESL-IE-13-05-13	Industrial Geospatial Analysis Tool for Energy Evaluation	Alkadi, N.; Starke, M.; Ma, O.; Nimbalkar, S.; Cox, D.; Dowling, K.; Johnson, B.; Khan, S.	
ESL-IE-13-05-13a	Industrial Geospatial Analysis Tool for Energy Evaluation	Alkadi, N.; Starke, M.; Ma, O.; Nimbalkar, S.; Cox, D.; Dowling, K.; Johnson, B.; Khan, S.	
ESL-IE-13-05-14	Implementing an Energy Management System at TOTAL Prot Arthur Refinery: The Process to Improving and Sustaining Energy Efficiency Performance at a Facility	Hoyle, A.	
ESL-IE-13-05-15	Empowering Operators to Drive Sustainable Savings	Reitmeier, T.	
ESL-IE-13-05-15a	Empowering Operators to Drive Sustainable Savings	Reitmeier, T.	
ESL-IE-13-05-16	Successful Implementation of a Sustainable Trap Management Program.	Walter, J.	
ESL-IE-13-05-16a	Successful Implementation of a Sustainable Trap Management Program.	Walter, J.	
ESL-IE-13-05-17	ISO 50001: A Global Energy Management System Standard	Chowdhury, N.	
ESL-IE-13-05-17a	ISO 50001	Chowdhury, N.	

ESL-IE-13-05-18	Energy Efficiency Improvements of U.S. Olefins Crackers	Benton, J.	
ESL-IE-13-05-19	Geismar TDI Plant Steam Optimization	Baily, M.	
ESL-IE-13-05-20	Momentive Performance Materials Distillation Interchanger	Boucher, N.; Baisley, T.; Beers, C.; Cameron, R.; Holman, K.; Kotkoskie, T.; Norris, K.	
ESL-IE-13-05-21	Legrand BBBP Implementation Model Designed for Results	Horton, P.	
ESL-IE-13-05-22	Briggs & Stratton Sustainable Energy Efficiency	Feustel, R.	
ESL-IE-13-05-23	Corporate Reporting of Boiler MACT Energy Assessments	McClain, C.	
ESL-IE-13-05-24	Combined Heat and Power: A Technical & Economical Compliance Strategy	McAllister, K.	
ESL-IE-13-05-25	Corporate Energy Management Process	Geiger, T.	
ESL-IE-13-05-26	Alcoa Can't Wait for Tomorrow: Taking Energy Efficiency to the Next Level	Brockway, W.	
ESL-IE-13-05-27	Energy Efficient "the Simplot way"	Sturtevant, D.	
ESL-IE-13-05-28	Energy Reduction Projects to Help Nissan Reach BBBP Goals	Rasmussen, B.	
ESL-IE-13-05-29	Boiler MACT 35000FT: Maximum Achievable Control Technology	Robinson, J.	
ESL-IE-13-05-35	Steam System Data Management	Roberts, D.	
ESL-IE-14-05-01	Finding More Free Steam From Waste Heat	Stremlow, M. D.	
ESL-IE-14-05-02	ExxonMobil Olefins Plant Projects, Maintenance and Optimizations	Neely, M. M.	
ESL-IE-14-05-03	Overview of the Duke University Bass Connections Program in Industrial Energy Efficiency	Boyd, G.	
ESL-IE-14-05-04	Geothermal, Energy Efficiency, and Solar PV Opportunities at Nissan USE	Ford, R.; Ong, J.; Reeder, J.; Sridar, V.; Zhang, R.	
ESL-IE-14-05-05	GM Team Project	Deng, J.; Laveman, J.; MacAdam, K.; Kunyao, Y.	
ESL-IE-14-05-06	Development of Statistical Energy Analysis Tools for Toyota Motor Engineering & Manufacturing	Chen, J.; Collins, Ro.; Gao, G.; Schaffer, D.; Wu, J.	
ESL-IE-14-05-07	Embedding Sustainability into Manufacturing Organizations	Tutterow, V.	
ESL-IE-14-05-07a	Embedding Sustainability into Manufacturing Organizations	Tutterow, V.	
ESL-IE-14-05-08	The Role of Professional Risk in Implementing Industrial Energy Improvements	Russell, C.	
ESL-IE-14-05-08a	The Role of Professional Risk in Implementing Industrial Energy Improvements	Russell, C.	
ESL-IE-14-05-09	Benefits and Barriers of Smart Manufacturing	Trombley, D.; Rogers, E.	
ESL-IE-14-05-09a	Benefits and Barriers of Smart Manufacturing	Trombley, D.; Rogers, E.	
ESL-IE-14-05-10	Big Efficiency for Small Manufacturing	Trombley, D.	
ESL-IE-14-05-11	Development of a New Extended Motor Product Label for Industrial Energy Efficiency	Rogers, E.; Boteler, R.; Elliot, R. N.	
ESL-IE-14-05-12	Introduction to the Boiler MACT Energy Assessment Process	Theising, T. R.	
ESL-IE-14-05-13	ISO 50001- Case Studies and Lessons Learned so Far	Tutterow, V.	
ESL-IE-14-05-13a	ISO 50001- Case Studies and Lessons Learned so Far	Tutterow, V.	
ESL-IE-14-05-14	Superior Energy Performance at Nissan	Rasmussen, B.	
ESL-IE-14-05-15	Superior Energy Performance at Schneider Electric	Willhite, E.	
ESL-IE-14-05-16	Distillation and Dehydro Reactors Advanced Process Control Freeport Texas Plant	Eisele, D.	
ESL-IE-14-05-17	Date Center: Efficiency and Sustainability at Work	Flowers, G.	
ESL-IE-14-05-18	Sustaining Industrial Energy Efficiency in Process Cooling in a Potentially Water-Short Future	Ferland, K.	
ESL-IE-14-05-19	Metrics (and Methodologies) for Evaluating Energy and Water Impacts of Alternative Process Cooling Systems in a Typical Chemical Plant	Carter, T. P.	
ESL-IE-14-05-20	Thermosyphon Cooler Hybrid System Providing Water Resiliency in a typical Chemical Plant	Carter, T. P.	
ESL-IE-14-05-21	The Energy-Water Nexus: Implications for Energy Efficiency	Muller, M. R.; Gardiner, J.; Muller, M. B.; Shrestha, D.	
ESL-IE-14-05-22	Energy Management Working Group: Accelerating Energy Management	Scheihing, P.	
ESL-IE-14-05-22a	Energy Management Working Group: Accelerating Energy Management	Scheihing, P.	
ESL-IE-14-05-23	Perform, Achieve and Trade (PAT): An Innovative Mechanism for Enhancing Energy Efficiency in India's Industrial Sector	Garnik, S. P.; Martin, M.	
ESL-IE-14-05-23a	Perform, Achieve and Trade (PAT): An Innovative Mechanism for Enhancing Energy Efficiency in India's Industrial Sector	Garnik, S. P.; Martin, M.	
ESL-IE-14-05-24	China's Energy Management System Program for Industry	Hedman, B.; Yu, Y.; Friedman, Z.; Taylor, R.	
ESL-IE-14-05-25	Lessons Learned: Guidance based on Early Experiences of Implementing ISO 5001 and SEP	Monaghan, P. F.	
ESL-IE-14-05-26	Energy Optimization Management in a Petrochemical Plant: A Self-Development Case	Magalhaes, E.	
ESL-IE-14-05-27	Standards Development and Deployment of a Comprehensive, Integrated, Open-standard Monitoring and Equipment Control Networking Protocol Infrastructure for Effective Facility Energy Management of a Large-scale Industrial Site in Alberta, Canada	Bernstein, R.	
ESL-IE-14-05-28	Software Tools and Training Program: For the Efficient Design and Operation of Industrial Processes	Soucy, E.	
ESL-IE-14-05-29	Creating Reliable Data and Reporting to Support Strategic Energy Management at Corning Incorporated	Garforth, P.	
ESL-IE-14-05-30	BASF Corporate Energy Management Process	Geiger, T.	
ESL-IE-14-05-31	Continuous Improvement Energy Projects Reduce Energy Consumption	Niemeyer, E.	
ESL-IE-14-05-32	Baton Rouge Complex Steam Real Time Optimization	Iyun, T.	
ESL-IE-14-05-33	Baytown Xylene Fractionation Energy Reduction using Dynamic Matrix Control (DMC)	Hokanson, D.	
ESL-IE-14-05-34	Compressed Air System Analysis and Retrofit for Energy Savings	Harding, C.; Nutter, D.	
ESL-IE-14-05-34a	Compressed Air System Analysis and Retrofit for Energy Savings	Harding, C.; Nutter, D.	
ESL-IE-14-05-35	Using Outside Air for Flooded Oil Screw Compressors at an Industrial Facility	Hunt, D. G.; Terry, S.	
ESL-IE-14-05-35a	Using Outside Air for Flooded Oil Screw Compressors at an Industrial Facility	Hunt, D. G.; Terry, S.	
ESL-IE-14-05-36	A New Approach for Determining Optimal Air Compressor Location in A Manufacturing Facility to Increase Energy Efficiency	Zahlan, J.; Avci, M.; Asfour, S.	
ESL-IE-14-05-36a	A New Approach for Determining Optimal Air Compressor Location in A Manufacturing Facility to Increase Energy Efficiency	Zahlan, J.; Avci, M.; Asfour, S.	
ESL-IE-14-05-37	Recovering Energy with a Compressed Air System Program	Nipper, J.	
ESL-IE-14-05-38	Life Cycle Assessment and Sustainability of Chemical Products	Sahnoun, A.	
ESL-IE-14-05-39	Electrical Analysis Tool Suite for Industrial Energy Audits	Morelli, F.	
ESL-IE-14-05-40	Impact of Control System Technologies on Industrial Energy Savings	Parikh, P.; Pasmussen, B. P.	
ESL-IE-14-05-42	U.S. Manufacturing Energy Use and Loss: The Big Picture	Brueske, S.; Sabouni, R.	
ESL-IE-14-05-42a	U.S. Manufacturing Energy Use and Loss: The Big Picture	Brueske, S.; Sabouni, R.	
ESL-IE-14-05-43	Manufacturing Energy Bandwidth Studies: Chemical, Petroleum Refining, Pulp and Paper, and Iron and Steel Sectors	Brueske, S.; Cresko, J.; Carpenter, A.	
ESL-IE-14-05-43a	Manufacturing Energy Bandwidth Studies: Chemical, Petroleum Refining, Pulp and Paper, and Iron and Steel Sectors	Brueske, S.; Cresko, J.; Carpenter, A.	
ESL-IE-14-05-44	Cognitive Energy Value Chain: Leveraging Big Data to Optimize Energy	Birg, G.; Reitmeier, T.	
ESL-IE-14-05-45	Superior Energy Performance Case Study at 3m Canada, Brockville, Ontario Facility	Hejnar, A.	

ESL-IE-15-06-01	LyndellBasell Completes a Major Plant Workover to Dramatically Improve Energy Intensity in LaPorte, TX	Deole, N. R.; Stam, H.	
ESL-IE-15-06-02	Occidental Chemical Corporation Alters the Geismar EDC Unit and Reduces Energy Usage by 50%	Truver, A.; Fink, L.	
ESL-IE-15-06-03	DuPont Parlin Energy Conservation Team	Derer, R.; Pollock, M.; Mumink, B.; Guidry, V.; Kersch, J.	
ESL-IE-15-06-04	Stabalized Cogeneration	Leavell, B.	
ESL-IE-15-06-04a	Stabalized Cogeneration	Leavell, B.	
ESL-IE-15-06-05	Helping to Relieve Grid Stress	Clark, S.	
ESL-IE-15-06-06	Combined Heat and Power in EPA's Clean Power Plan	Kelly, M.	
ESL-IE-15-06-06a	Combined Heat and Power in EPA's Clean Power Plan	Kelly, M.	
ESL-IE-15-06-07	Energy Savings Opportunities through Combined Heat and Power Systems Optimization Model Case Studies	Owaidh, M.	
ESL-IE-15-06-08	Implementing ISO 50001 and SEP - How ICT Facilitates Implementation	Brogan, M.	
ESL-IE-15-06-09	ISO 50001 Energy Management Standard as a Vehicle to Sustainable Energy Management at 3M Company	Hejnar, A.	
ESL-IE-15-06-10	Wisconsin's SEM Leader's Program: Meeting Industry's Needs for Strategic Energy Management	Dantion, T.	
ESL-IE-15-06-11	Utility Assessments for Real Time Pricing and Demand Response Environments	Robinson, J. E.	
ESL-IE-15-06-12	Facility Scale Energy Storage for Peak Deman Management and Demand Response	Remillard, J.	
ESL-IE-15-06-12a	Facility Scale Energy Storage for Peak Deman Management and Demand Response	Remillard, J.	
ESL-IE-15-06-13	Demand Response and Peak Load Management; Programs, Products and Technology	Barth, A.	
ESL-IE-15-06-14	Smart Grid- You Are Not Alone	Heitzer, D.	
ESL-IE-15-06-15	Comprehensive Energy Efficiency in the Process Industries	Rossiter, A.	
ESL-IE-15-06-15a	Comprehensive Energy Efficiency in the Process Industries	Rossiter, A.	
ESL-IE-15-06-16	Caught Between a Rock and a Hard Place - How Lehigh Hanson Acheives Energy Success at Aggregate Plants	Austin, S. B.	
ESL-IE-15-06-16a	Caught Between a Rock and a Hard Place - How Lehigh Hanson Acheives Energy Success at Aggregate Plants	Austin, S. B.	
ESL-IE-15-06-17	Steinway & Sons Upgrades Its Turn-of-the-Century Brick Kilns to a Quick-Dry Partial Vacuum System	Bossis, R.	
ESL-IE-15-06-17a	Steinway & Sons Upgrades Its Turn-of-the-Century Brick Kilns to a Quick-Dry Partial Vacuum System	Bossis, R.	
ESL-IE-15-06-18	Use of Comprehensive Utility Software for Optimal Energy Management and Electric Grid Failure Assessment in an Oil Refinery	Bedard, S.; Hammache, A.; Poulin, B.; Ayotte-Sauve, A.	
ESL-IE-15-06-19	Lean Analysis of Industrial Energy Assessment	Viera, R. J.; Lee, J.; McInerny, S.	
ESL-IE-15-06-20	Modern Visualization of Industrial Energy Use and Loss	Brueske, S.	
ESL-IE-15-06-20a	Modern Visualization of Industrial Energy Use and Loss	Brueske, S.	
ESL-IE-15-06-21	Energy Savings Opportunity in Manufacturing Lightweight Strcutural Materials	Brueske, S.	
ESL-IE-15-06-22	Developing a Corporate Water Management Strategy	Tutterow, V.	
ESL-IE-15-06-22a	Developing a Corporate Water Management Strategy	Tutterow, V.	
ESL-IE-15-06-23	Identifying Water Savings in Industrial Operations	Theising, T.	
ESL-IE-15-06-23a	Identifying Water Savings in Industrial Operations	Theising, T.	
ESL-IE-15-06-24	Evaluation of Impacts on Energy and Plant Profitability of Responses to Water Curtailment	Ferland, K.	
ESL-IE-15-06-25	Water Savings in Food Processing Plants - Potentials and Case Studies	Trueblood, A.; Ritchie, M.; Chow, S.; Ganji, A.	
ESL-IE-15-06-25a	Water Savings in Food Processing Plants - Potentials and Case Studies	Trueblood, A.; Ritchie, M.; Chow, S.; Ganji, A.	
ESL-IE-15-06-26	The Value Proposition of Industrial Energy Efficiency Programs	Rogers, E.	
ESL-IE-15-06-26a	The Value Proposition of Industrial Energy Efficiency Programs	Rogers, E.	
ESL-IE-15-06-27	Costs and Benefits of Capital Finance Through Energy Service Outsourcing	Russell, C.	
ESL-IE-15-06-27a	Costs and Benefits of Capital Finance Through Energy Service Outsourcing	Russell, C.	
ESL-IE-15-06-28	Overcoming Conservative Payback Rules for Energy Efficiency Projects	de Fontaine, A.	
ESL-IE-15-06-28a	Overcoming Conservative Payback Rules for Energy Efficiency Projects	de Fontaine, A.	
ESL-IE-15-06-29	Employee Based Energy Management Plan	Osho, O.; Lee, J.; McInerny, S. A.;	
ESL-IE-15-06-30	The Impact of Quality Control Scrap and Rework Reduction on Energy Use	Otis, P. T.; Triantis, K. P.	
ESL-IE-15-06-30a	The Impact of Quality Control Scrap and Rework Reduction on Energy Use	Otis, P. T.; Triantis, K. P.	
ESL-IE-15-06-32	Preparing for a Successful Energy Audit	Theising, T.	
ESL-IE-15-06-33	Trending and Tracking Energy Survey	Nipper, J.	
ESL-IE-15-06-34	Progressive Vacuum Degradation Within Pipestills and Vacuum Towers	Kimbrough, B.	
ESL-IE-15-06-35	A Case Study on In-situ Rejuvenation of Degraded Insulation on Industrial Piping in Hot Service	Williams, J.	
ESL-IE-15-06-36	Global Collaboration on Energy Management	Brueske, S.	
ESL-IE-15-06-37	Increase Energy Efficiency by Analyzing Cooling Water Systems	Phelps, P.	
ESL-IE-15-06-38	Development of an Automated Fault Detection System Tool for Unitary Air Conditioners at Undustrial Energy Audits	Parikh, P.; Pasmussen, B. P.	
ESL-IE-15-06-38a	Development of an Automated Fault Detection System Tool for Unitary Air Conditioners at Undustrial Energy Audits	Parikh, P.; Pasmussen, B. P.	
ESL-IE-15-06-39	What Problems can be Encountered when Efficiency Upgrades are Made to Fans and what Should the Approach be to Address Those Problems	Martin, V.	
ESL-IE-15-06-41	MeadWestvaco Specialty Chemicals 'Sons of Energy' Team's Projects Garner Plant Energy Intensity Reductions	Crowell, S.; Pocta, J.	
ESL-IE-15-06-42	BASF Corporate Energy Management Process	Geiger, T.	
ESL-IE-15-06-43	BASF Geismar Site Steam System Optimization	Gathright, J.	
ESL-IE-79-04-11	Evaluation of the Geopressured Resources of the U. S. Gulf Coast	Dorfman, M. H.	
ESL-IE-79-04-117	Economic Thickness Calculations for Thermal Insulation	Barnhart, J. M.	
ESL-IE-79-04-25	Steam and Electric Power Generation from Hot Fueled Boilers	Garr, C. J.	
ESL-IE-79-04-35	Results of Energy Conservation in Refinery Crude Units	Welch, G. B.	
ESL-IE-79-04-40	Steam Distribution Energy Conservation Program	Rogillio, R.	
ESL-IE-79-04-53	The New Economics of Air-To-Air Energy Recovery	Barba, P. D.	
ESL-IE-79-04-54	The Heat Pipe Air Preheater	Polcer, J.	
ESL-IE-79-04-66	Microprocessor Applications in Plant Energy Management Systems	Shah, H.	
ESL-IE-79-04-68	Microprocessor-Based Data Acquisition System for Use in Energy Audits	Russel, D. B.; Heller, R. P.; Goers, W. C.	
ESL-IE-79-04-71	A Contribution to Heat Recovery in Glass Melting Furnaces with Special Consideration Given to Recuperators and Waste Heat Boilers	Kolsch, E.; Meder, S. R.	
ESL-IE-79-04-97	Power Plant and Industrial Fuel Use Act: Impact on Texas Manufacturers	Hutsell, M.	
ESL-IE-79-04-98	Pollution Control in the Aluminum Industry--A Multimedia Approach	Atkins, P.	
ESL-IE-80-04-01	Waste: A Decision Not a Thing	Rollwage, B.	
ESL-IE-80-04-100	Turbines Vs. Motors: Optimizing Steam System Balance in the Chemical Plant	Gaw, E.	

ESL-IE-80-04-103	Electrical Energy Losses in Power Systems	Hickok, H. N.	
ESL-IE-80-04-109	Combustion Analysis for Optimum Efficiency	Maples, D.; Whitehouse, G. D.	
ESL-IE-80-04-122	Fuel Optimization Through Digital Computer Control of Coal Fired Boiler Complexes--Preliminary Reports	Frederickson, R. A.	
ESL-IE-80-04-129	How Energy Companies See Energy Alternatives	Pack, G. A.	
ESL-IE-80-04-135	Specific Programs for Industrial Energy Conservation Education and Problem Solving	Cohen, K.	
ESL-IE-80-04-140	Energy Conservation in New Facilities Design	Frazer, L. W.; Givindan, T. S.	
ESL-IE-80-04-145	Application of 2nd Law Analysis to Industrial Processes	Hedman, B.; Hamel, B.; Brown, H.	
ESL-IE-80-04-146	Energy Accountability Based on Availability	Whitehouse, G. D.; Maples, D.	
ESL-IE-80-04-147	Practical Application of Useful Energy Analysis for Industrial Energy Conservation	Hendrix, W. A.	
ESL-IE-80-04-149	Alternate Energy Sources	Mauk, C.	
ESL-IE-80-04-150	The Memphis Light, Gas and Water Fuel Gas Demonstration Plant	R. W. Gray	
ESL-IE-80-04-154	Efficiency Improvement in Heating Equipment Through Heat Transfer Enhancement	Shesfiek, P.	
ESL-IE-80-04-155	High Efficiency Industrial Furnace Design	Thekdi, A.	
ESL-IE-80-04-16	An Approach to Resolving Fouling of Waste Heat Boilers	El-Mohamad, M. A.	
ESL-IE-80-04-24	Clark Equipment Company Energy Management Program	Pudell, D.	
ESL-IE-80-04-25	Energy Conservation Management Corporate Style	Fressie, D.	
ESL-IE-80-04-27	Energy Management Program at Texas Instruments, Inc	Nelson, K. P.	
ESL-IE-80-04-32	A Review of GRI's Industrial Research Program	Rosenberg, R. B.; Fiore, V. B.; Tabb, E. S.	
ESL-IE-80-04-33	The Role of Electric Utilities in Industrial Energy Management	Looney, Q.	
ESL-IE-80-04-34	Edison Electric Institute's Commercial/Industrial National Energy Watch Program	Greiner, P.	
ESL-IE-80-04-35	The Role of Contract Research and Development in Industry	Gregory, D.	
ESL-IE-80-04-39	Energy Conservation Opportunities in Refining Column Operations	El-Mohamad, M. Z.	
ESL-IE-80-04-41	Drying Operations: Energy Dilemma	Moyers, C. G.	
ESL-IE-80-04-44	Technicians for Energy Conservation--Curriculum and Instructional Materials	Hull, D. M.; Blackmon, M. E.	
ESL-IE-80-04-51	Reradiant Recuperation--In-Plant Operating Experience	Marnell, C. J.	
ESL-IE-80-04-58	Energy Conservation in the Food Distribution System	Wilson, D.	
ESL-IE-80-04-67	Save Power in AC Induction Motors	Wilburn, S.	
ESL-IE-80-04-68	Evaluation of Energy Efficient Motors	Montgomery, D. C.	
ESL-IE-80-04-74	Energy Conservation Through the Use of Economizers	Roethe, L.	
ESL-IE-80-04-76	Industrial Insulation In-Place Performance and Your Energy Budget	Busch, L. J.	
ESL-IE-80-04-80	Potential Impact of Building Energy Performance Standards	Jones, J.	
ESL-IE-80-04-81	External Surfaces Energy Survey	Strattner, L. J.	
ESL-IE-80-04-82	Energy Management and Environmental Control System (EMECS)	Bellomy, W. A.; Travora, C. J.; Armand, A. M.	
ESL-IE-80-04-86	Retrofitting an Evaporator for Energy Conservation	Rugaber, J.	
ESL-IE-80-04-87	The Client's Role in Energy Audits	Jackson, F. M.	
ESL-IE-80-04-92	Efficiency Improvement of Refinery Process Heaters	Baker, D. A.; Smith, L. L.	
ESL-IE-80-04-96	Waste Fuel Combustion	Illian, M. E.	
ESL-IE-80-04-98	How Old Steam Systems Can Perform More Efficiently	Atlas, R. D.	
ESL-IE-81-04-103	Cogeneration Utilizing High Efficiency Turbomachinery	Burton, D. C.; Athearn, F. H.	
ESL-IE-81-04-107	Matching Training and the Trainee	Bishop, D. L.	
ESL-IE-81-04-115	How to Make a Steam Balance	Brinko, J. A.	
ESL-IE-81-04-118	Corrosion in Steam Systems	Hitts, R.	
ESL-IE-81-04-12	Economics and Energy Conservation	Larson, R. J.	
ESL-IE-81-04-21	Planning and Constructing a Refuse Derived Fuel Power Plant	Bernstein, N.	
ESL-IE-81-04-22	Case Studies of Industrial Waste to Energy Conversion	Brumitt, G. A.	
ESL-IE-81-04-25	Industrial Waste Treatment and Energy Recovery for the Bacardi Corporation, San Juan, Puerto Rico	Wahbeh, V. N.; Hardten, R. D.; Gieck, J. F.	
ESL-IE-81-04-28	Energy Conservation RD&D Projects in the Low Temperature and General Manufacturing Industry Sectors	Massey, R.	
ESL-IE-81-04-46	Energy Conservation in Air Pollution Control	Barba, P. D.	
ESL-IE-81-04-60	Excess Air Optimization of Solid Fueled Power Boilers	Frederickson, A. A., Jr.	
ESL-IE-81-04-65	The "Heat Extractor" System	Zacuto, P.	
ESL-IE-81-04-78	The Small Wind Energy Conversion System--A Utility Perspective	Boatwright, A.	
ESL-IE-81-04-79	Nuclear Energy--Uranium to Electricity Part I	Ihms, O. L.	
ESL-IE-81-04-80	Nuclear Energy--Uranium to Electricity Part II	Ihms, O. L.	
ESL-IE-82-04-06	Economic and Design Considerations--Operating Practice	Burns, E. D. Jr.	
ESL-IE-82-04-07	Economic and Design Considerations--Equipment Considerations	Burns, E. D. Jr.	
ESL-IE-82-04-105	The Performance of Plate Heat Exchangers in Moist Hot Air	Gilbert, J.; Spencer, A.	
ESL-IE-82-04-11	Financing Industrial Energy Efficiency Improvements	Klepper, M.	
ESL-IE-82-04-12	The Financial Risks of Synthetic Fuel and Other Large Energy Projects	Hegglund, J. W.	
ESL-IE-82-04-134	Recuperators for Retrofitting Heat Treat Furnaces and Forge Furnaces	Enders, A.	
ESL-IE-82-04-145	Energy Conservation at ESSO Antwerp Refinery	Blancke, L.	
ESL-IE-82-04-146	Improving the Energy Efficiency of Fertilizer Production--What Are The Implications?	Becker, C. L.	
ESL-IE-82-04-18	How to Get Approval for Energy Conservation Projects	Chatterjee, N.	
ESL-IE-82-04-30	Thermal Performance of Piping Systems	McHale, B.	
ESL-IE-82-04-31	How to Conduct an Energy Management Program	Miner, J.	
ESL-IE-82-04-33	Conserving Energy with Refractory Fiber	Parker, W. H.	
ESL-IE-82-04-37	Synthetic Fuels--The Energy Challenge and Opportunity of the Eighties	Homeyer, H. C.	
ESL-IE-82-04-44	Cooling Towers--The Neglected Energy Conservation Machine	Burger, R.	
ESL-IE-82-04-45	Common Cooling Tower Misconceptions	Willa, J.	
ESL-IE-82-04-49	Computer Monitoring and Control of a Fuel Gas System	Perry, R. T.	
ESL-IE-82-04-54	Petroleum Resource Energy Forecasting	Woodruff, R. L.	
ESL-IE-82-04-55	Electric Power, A Potentially Plentiful Resource	Reynolds, S. D.	
ESL-IE-82-04-83	Utilities Monitoring of a Large Petrochemical Complex Utilizing a Dec-Pop-11/40	Truesdale, P. B.	
ESL-IE-82-04-98	Application of Multivariable Combustion Control to Process Furnaces: A Case Study	Tomanek, G. L.	
ESL-IE-84-04-03	Sources of Capital for Alternative Energy Projects, <i>Presentation Only</i>	Fenster, L.	
ESL-IE-84-04-102	Controller-Based Boiler Load Allocation, <i>Presentation Only</i>	Niemeyer, D.	
ESL-IE-84-04-111	What is the Value of Steam, Condensate and Waste Heat, <i>Presentation Only</i>	Campagne, W. V. L.	
ESL-IE-84-04-114	Managing the Steam Trap Population, <i>Presentation Only</i>	Atlas, R. D.	
ESL-IE-84-04-115	Heat Pump Opportunities in Industry, <i>Presentation Only</i>	Gilbert, J. S.	

ESL-IE-84-04-126	Industrial Energy Conservation and Management, <i>Presentation Only</i>	McChesney, H. R.; Sgamboti, C.T.; Obee, T. N.; Rhodes, B. W.; Landerman, A. M.	
ESL-IE-84-04-128	Energy Management Programs for Commercial Electric Customers, <i>Presentation Only</i>	Doli, L. R.	
ESL-IE-84-04-21	Small Industrial Cogeneration (Less than 1000 KW) Identifying Opportunities and Case Study, <i>Presentation Only</i>	Smith, W. P. Jr.	
ESL-IE-84-04-22	Balancing Maintenance Costs Against Energy Savings, <i>Presentation Only</i>	Jackson, F. M.	
ESL-IE-84-04-26	Process Energy Analysis and Process Energy Innovation at Badische Corporation, <i>Presentation Only</i>	Smith, W. P. Jr.	
ESL-IE-84-04-27	Cooling Towers, The Neglected Energy Resource, <i>Presentation Only</i>	Burger, R.	
ESL-IE-84-04-30	Air Movers Save Energy, <i>Presentation Only</i>	Monroe, R. C.	
ESL-IE-84-04-31	Know Your Cooling Tower and the Distinct Cooling Water Temperature, <i>Presentation Only</i>	McDonough, L. J.; Campagne, W. B. L.	
ESL-IE-84-04-40	Abrogation of Fuel Contracts, <i>Presentation Only</i>	Delgado, R. M.	
ESL-IE-84-04-58	Critical Fluid Extraction Processes for High-Volume Organic Chemicals, <i>Presentation Only</i>	Moses, J. M.; de Filippie, R. F.	
ESL-IE-84-04-70	Steam Generation Efficiency, <i>Presentation Only</i>	Sylva, D. M.	
ESL-IE-84-04-71	Comparative Assessment of Potential Cogeneration Technologies, <i>Presentation Only</i>	Kusik, C. L.; Fox, L. K.; Little, A. D.; Pietsch, A.; Hamm, R.	
ESL-IE-84-04-94	High Power High Speed Electric Drives: A New Way of Energy Saving and Major Reduction in Production Costs, <i>Presentation Only</i>	Malherbe, J.	
ESL-IE-85-05-06	Analysis of Training Requirements to Support Industrial Cogeneration	Alfred, R. W.	
ESL-IE-85-05-101	Sources of Capital for Energy Projects	Weinress, J. B.	
ESL-IE-85-05-122	The Personal Computer on the Industrial Floor with Remote I/O, G.	Morgan, W.	
ESL-IE-85-05-52	Upgrading Thermal Performance Through Building Insulation	Dunlop, R.	
ESL-IE-86-06-71	Advances in Absorption Cycle Technology	Fallek, M.	
ESL-IE-86-06-76	Potential for Electric Heat Pumps in the Process Industries	Witherell, D.	
ESL-IE-86-06-83	Power Generation and Power Use Within Industrial Plants	Gilbert, J.	
ESL-IE-87-09-70	Industrial Energy Conservation Potentials in North Carolina	Mallik, A.; Barakat, M.; Singh, H.	
ESL-IE-92-04-48	Electrochemical Ozone Production Technology for Industrial Wastewater Treatment	Goodwin, M.	
ESL-IE-93-03-53	The Zero-Net Emission Boiler Concept, <i>Presentation Only</i>	Karnitz, M.	
ESL-IE-93-03-54	Demand-Side Management--Creative Ways to Reduce Peak Load for Industrial Customers, <i>Presentation Only</i>	Trobaugh, J.	
ESL-IE-93-03-55	Liquid Fuel from Recovered Paper, <i>Presentation Only</i>	Nicholson, W.	
ESL-IE-93-03-56	Energy in the Paper Industry, <i>Presentation Only</i>	Metz, J.	
ESL-IE-93-03-57	Burning Non-Recyclable Paper for Fuel, <i>Presentation Only</i>	Modi, D.	
ESL-IE-93-03-58	Cogeneration in the Paper Industry, <i>Presentation Only</i>	Single, T.	
ESL-IE-93-03-59	Electrically Driven Gas Pipeline Compressor, <i>Presentation Only</i>	Fagg, J.	
ESL-IE-93-03-60	An Improved Process for MTBE Unit Feed Pretreatment, <i>Presentation Only</i>	Byseda, J.	
ESL-IE-93-03-61	Application of a High Lift Absorption Heat Pump in a Refinery, <i>Presentation Only</i>	Halsell, C.	
ESL-IE-94-04-06	New Technology in Unidirectional Ultrasonic Washing Systems to Greatly Reduce Required Water Temperatures, <i>Presentation Only</i>	Evans, D.	
ESL-IE-94-04-09	Environmental Permitting for Cogeneration Facilities: Potential Impediments to Timely Completion of Projects or, Get to Know Your Neighbors, <i>Presentation Only</i>	Hamilton, J.	
ESL-IE-94-04-10	Industrial-Utility Partnership Strategies: Winning the Energy Cost Battle Without Waging a War, <i>Presentation Only</i>	Fry, T.; Lowe, E.	
ESL-IE-94-04-13	Emerging Efforts By Utilities to Target Industrial Energy Efficiency, and Better Meet Customer Needs, <i>Presentation Only</i>	Wood, B.; Faruqui, A.	
ESL-IE-94-04-14	Rapid Heating of Metals, <i>Presentation Only</i>	Chan, I.; Sikirica, S.	
ESL-IE-94-04-15	Development and Demonstration of a Low-NOx Burner for High Temperature Industrial Furnaces, <i>Presentation Only</i>	Thijssen, J.; Benson, C.	
ESL-IE-94-04-16	High Performance, Infra-Red Burners	Singh, S.	
ESL-IE-94-04-17	Gas-Fired Smelting for Metals Recovery from Hazardous Solid Wastes, <i>Presentation Only</i>	Clark, R.; Pusateri, J.; Lherbier, J.	
ESL-IE-94-04-18	An Innovative Gas-Based NOx Compliance Option, <i>Presentation Only</i>	Brooks, D.	
ESL-IE-94-04-33	Methodology for Estimating the Potential for Energy Savings in Industry, <i>Presentation Only</i>	Abou-Seido, E.; Shapiro, H.	
ESL-IE-94-04-41	Cooling Towers Make Money, <i>Presentation Only</i>	Burger, R.	
ESL-IE-94-04-45	Correlation of Viscosity of Black Liquor and Its Relation to Fundamental Solution Behavior, <i>Presentation Only</i>	Fricke, A.	
ESL-IE-94-04-48	Impulse Drying of Paper, <i>Presentation Only</i>	Orloff, D.	
ESL-IE-94-04-49	Gasification of Black Liquor, <i>Presentation Only</i>	Mansour, M.	
ESL-IE-94-04-52	Installation and Operation of Sorbathene Solvent Vapor Recovery Units to Recover and Recycle Volatile Organic Compounds at Operating Sites Within the Dow Chemical Company	Hall, T.; Larrinaga, L.	
ESL-IE-94-04-53	Wastewater Treatment and Product Recovery by Vibrational Shear Enhanced Processing (VSEP), <i>Presentation Only</i>	Culkin, B.; Armando, A.	
ESL-IE-98-04-41	The Radiance Process: Water and Chemical Free Cleaning	Robison, J. H.	
ESL-KT-15-12-01	Evaluation, Measurement & Verification in Texas	Osterloh, P.	
ESL-KT-15-12-02	Texas-New Mexico Power (TNMP)	Mitchell, A.	
ESL-KT-15-12-03	CenterPoint Energy Houston Electric	Dzierski, D.	
ESL-KT-15-12-04	VRF in Schools - A Smarter Way of Doing It	Reilly, B.	
ESL-KT-15-12-05	Resilient Micro-Grids 101	Leavell, B.	
ESL-KT-15-12-06	Workshop on the Continuous Commissioning Process	Martinez, J.; Yagua, C.	
ESL-KT-15-12-07	Starting a PACE Program - Houston	Dillingham, G.	
ESL-KT-15-12-08	PACE in Texas	Blackburn, J.	
ESL-KT-15-12-09	Model Legal Forms Essential to Local PACE Programs	Block, S.; Robins, D.	
ESL-KT-15-12-10	Keeping PACE at CATEE	Heydinger, C.	
ESL-KT-15-12-11	Creating a Dallas PACE Program	Lepeska, H.	
ESL-KT-15-12-12	Key Decisions and Required Actions for Adoption of a Texas PACE Program	Smith, C.	
ESL-KT-15-12-13	Model Legal Forms Essential to Local PACE Programs	Block, S.; Robins, D.	
ESL-KT-15-12-14	Texas Solar Schools	Cotney, E.	
ESL-KT-15-12-15	Energy Efficiency & Comfort in K-12 Schools	Watt, J.	
ESL-KT-15-12-16	Achieving High Performance Building Through Integrated Project Delivery	Simonsen, T.	
ESL-KT-15-12-17	LoanSTAR Revolving Loan Program	Trevino, E.	
ESL-KT-15-12-18	Welcome	Abbey, J.	
ESL-KT-15-12-19	Collaborative Efforts to Support Adoption of New Building Energy Efficiency Codes	Yebara, F.	

ESL-KT-15-12-20	2015 Energy Code Collaboration	Herbert, C.	
ESL-KT-15-12-21	2015 International Energy Conservation Code	Ellis, S.	
ESL-KT-15-12-22	Collaborative Efforts to Support Code Adoption	Taylor, K.	
ESL-KT-15-12-23	Texas Emissions Reduction Plan (TERP)	Dayton, S.	
ESL-KT-15-12-24	Mobility Transformation	Rucks, G.	
ESL-KT-15-12-25	Reimagining the Bus	Spieler, C.	
ESL-KT-15-12-26	Dallas Fort Worth International Airport	Crites, J.	
ESL-KT-15-12-27	The 2005 Energy Policy Act	Volker, W.	
ESL-KT-15-12-28	LoanSTAR Revolving Loan Program	Trevino, E.	
ESL-KT-15-12-29	Residential Energy & Water Financing	Bishopp, C.	
ESL-KT-15-12-30	Welcome	Claridge, D.	
ESL-KT-15-12-31	Energy Efficiency and Renewable Energy Impacts on Emission Reductions	Haberl, J.; Yazdani, B.	
ESL-KT-15-12-32	Overview of the Clean Power Plan (With a Focus on Energy Efficiency)	Lewin, D.	
ESL-KT-15-12-33	Well Within Reach: How Texas Can Comply with and Benefit from the Clean Power Plan	Hall, J.; Ryan, S.; Sopher, P.	
ESL-KT-15-12-34	Solar Energy's Road to Grid Parity in Texas	Shirley, L.	
ESL-KT-15-12-35	Solar: Grid Parity Beyond 2016?	Shah, V.	
ESL-KT-15-12-36	Distributed Solar Pilot Programs	Luna, R.	
ESL-KT-15-12-37	City of Houston: Leading the Charge through Energy Efficiency	Badoian-Kriticos, M.	
ESL-KT-15-12-38	2030 District Model	Herbert, C.	
ESL-KT-15-12-39	Energy-Water Nexus	Zerrenner, K.	
ESL-KT-15-12-40	Water Supply and Drought Risk in the ERCOT Region	Lazarus, D.	
ESL-KT-15-12-41	Alamo Colleges Energy Reduction Measures and Management	Strybos, J.	
ESL-KT-15-12-42	Energy Security on a Barrier Island	Blanchard, M.	
ESL-KT-15-12-43	Power Resilience and Combined Heat and Power	Braddock, C.	
ESL-PA-00-06-01	Effect of Dry-Bulb Temperature on the Prediction Bias of Building Energy Use with the Short-Term Monitoring Long-Term Prediction Method, <i>Proceedings of the ASME International Solar Energy Conference Madison, Wisconsin, June 16-21, 2000.</i>	Abushakra, B.; Claridge, D. E.	
ESL-PA-00-06-02	The Effects of PV Glazing on the Energy Consumption of High Rise Commercial Buildings, <i>Solar 2000 Conference Proceedings, American Solar Energy Society, June 16-21, Madison, Wisconsin.</i>	Sylvester, K. E.; Haberl, J. S.	
ESL-PA-00-06-03	Semi-Transparent PV Glazing: Development of Window Properties for Input With the DOE-2 Window Library, <i>Solar 2000 Conference Proceedings, American Solar Energy Society, June 16-21, Madison, Wisconsin.</i>	Sylvester, K., Haberl, J.	
ESL-PA-00-09-01	Function Based 2D Flow Animation, <i>Visual 2000 Conference, Mexico City, Mexico, pp. 100-104.</i>	Akleman, E.; Skaria, S.; Haberl, J. S.	
ESL-PA-01-01-02	3-D Studies of Heat Transfer and Airflow in an Unconditioned Thai Buddhist Temple, <i>Journal of Energy, Heat and Mass Transfer, Vol. 23, pp. 455 – 471.</i>	Sreshthaputra, A.; Haberl, J.; Andrews, M. J.	
ESL-PA-01-06-01	Cutting Heating and Cooling Use Almost in Half Without Capital Expenditure in a Previously Retrofit Building, <i>Proceedings of 2001 ECEEE Summer Study, Mandelieu, France, June 11-16, 2001, Vol. 2, pp. 74-85.</i>	Claridge, D. E., Liu, M., Deng, S., Turner, W. D., Haberl, J. S., Lee, S. U., Abbas, M., Bruner, H., and Veteto, B.	
ESL-PA-13-06-01	Reducing Energy Consumption in Grocery Stores: Calibration of a Grocery Store Model, <i>ASHRAE Transactions-Research, Vol. 119, Pt. 2</i>	Mukhopadhyay, J., Haberl, J.	
ESL-PA-13-07-01	Dynamic Modeling for Vapor Compression Systems: Literature Review and Simulation Tutorial, <i>ASHRAE Conference Proceedings</i>	Rasmussen, B.	
ESL-PA-14-05-02	Automation of a Lighting Analysis and Retrofit Report in an Energy Assessment, <i>Proceedings of the 2014 Industrial Energy Technology Conference</i>	Terrill, T. J.; Bay, C. J.; Rasmussen, B. P.	
ESL-PA-14-05-03	Realizing Real Time Energy Analysis for Industrial Energy Audits, <i>Proceedings of the 2014 Industrial Energy Technology Conference</i>	Morelli, F.; Rasmussen, B.	
ESL-PA-15-10-05	Automated Modeling Method for the Application of Iterative Cooperative Neighbor Communication for Building HVAC Systems, <i>Proceedings of the 2015 Dynamic Systems and Control Conference</i>	Chintala, R.; Bay, C.; Jalal, R.; Rasmussen, B.	
ESL-PA-15-12-07	Development of an HVAC Fault Detection and Diagnostic Tool for Industrial Energy Audits, <i>ASHRAE Transactions</i>	Parikh, P.; Rasmussen, B. P.	
ESL-PA-16-01-06	Development of a Reference Building Information Model (BIM) for Thermal Model Compliance Testing Part II- Detailed Results, <i>HVAC&R Journal</i>	Kota, S.; Stipo, F.; Jeong, W.; Kim, J. B.; Alcocer, J. L. B.; Clayton, M.; Yan, W.; Haberl, J.	
ESL-PA-16-06-02	A Method of Efficacy Estimation for ECM Blowers in Residential Gas Furnaces by Using Blower Rotational Speed, <i>ASHRAE Annual Conference</i>	Pate, M.; Sweeney, J.; Yin, P.	
ESL-PA-16-07-01	Field Investigation of Occupancy-Based Climate Control Technology: IEQ Performance during the Cooling Season, <i>Indoor Air 2016, Conference of the International Society of Indoor Air Quality and Climate, Ghent, Belgium</i>	Kim, H.; Oldham, E.; Haberl, J.	
ESL-PA-19-06-01	Consumer-driven shaving of grid demand using a strategically limited incentive	Rogers, A., Rasmussen, B.	
ESL-PA-79-05-01	Slipforming: Some Concrete Facts, <i>Colorado Engineer</i>	Haberl, J.	
ESL-PA-79-06-01	Application of the Hittman Methodology, <i>University of Colorado at Boulder</i>	Haberl, J. S.; Dow, John O.; Gawf, Ed; Feng, Chuan C.	
ESL-PA-80-08-01	Watt's Up With Wind Energy? Energy storage will help make wind generation a reliable source of power, <i>Colorado Engineer</i>	Haberl, J.	
ESL-PA-84-01-01	Effect of Ventilated Trombe Wall Airflow, <i>Proceedings of the 1984 American Solar Energy Society.</i>	Haberl, J. S.; Kreider, J. F.	
ESL-PA-85-10-01	A Modular Microcomputer-Based Data Acquisition System for Monitoring Energy Consumption in Buildings, <i>Proceedings of the USDOE Field Data Acquisition for Building and Equipment Energy Use Monitoring Workshop, Oak Ridge National Laboratory, Oak Ridge, TN, October 1985.</i>	Haberl, J. S.; Volckhausen, T.; Claridge, D. E.	
ESL-PA-87-12-01	An Action-Oriented, Team Approach to Building Energy Conservation Using Regression Techniques and Expert Systems, <i>Proceedings of the ASME Winter Annual Meeting, Solar Energy Division, Boston, MA, Vol. 4, pp. 141-148</i>	Cooney, K.; Stern, F.; Haberl, J. S.	
ESL-PA-89-05-02	Identification of Conservation Opportunities from Analysis of Energy Consumption Data, <i>End-Use Load Information And Application Conference, W. S. Fleming & Associates, Syracuse, N.Y., May 1989.</i>	Haberl, J. S.; Komor, P.	
ESL-PA-90-02-01	The Design of Field Experiments and Demonstrations, <i>IEA Field Monitoring Workshop, April 2 – 5, Othenburg, Sweden, Vol. 1, pp. 33–58</i>	Haberl, J. S.; Claridge, D. E.; Harrie, D.	
ESL-PA-90-05-01	The Texas LoanSTAR Monitoring and Analysis Program: A Brief Introduction, <i>IBPSA Newsletter 1990, Vol. 3, No. 2, pp. 7 – 9</i>	Haberl, J. S.; Claridge, D. E.; O'Neal, D. L.; Heffington, W. M.; Turner, W. D.; Verdict, M.	
ESL-PA-90-07-02	Remote Monitoring of a Ground-Coupled Heat Pump, <i>Proceedings of the 2nd Annual Conference on End-Use Load Information and Its Role in DSM, Irvine, CA, July 11-13.</i>	O'Neal, D. L.; Dobson, M.; Fennin, A. J.; Wolfe, M. L.; Aldred, W.	

ESL-PA-90-08-01	Monitoring \$98 Million in Energy Efficiency Retrofits: The Texas LoanSTAR Program, <i>Proceedings of the ACEEE 1990 Summer Study on Energy Efficiency in Buildings</i> , Washington, D.C.; August, pp. 7.261 – 7.271.	Verdict, M. E.; Haberl, J. S.; Claridge, D. E.; O'Neal, D. L.; Heffington, W. M.; Turner, W. D.	
ESL-PA-91-06-03	A Graduate Course in Energy Management Applications, <i>Proceedings of the 1991 ASEE Annual Conference</i> , New Orleans, Louisiana, Vol. 1, pp. 671-674, June 16-19, 1991.	Heffington, W. M.	
ESL-PA-91-07-02	A Toolkit to Help Calibrate the DOE-2 Simulation Program to Non-Weather Dependent Measured Loads, <i>IBPSA Newsletter</i> , December 1991, Vol. 4, No. 3, pp. 5 – 10	Bronson, D.; Hinchey, S.; Haberl, J. S.; O'Neal, D. L.; Claridge, D. E.	
ESL-PA-91-09-01	The Texas LoanSTAR Program: Early Measured Savings, <i>International Symposium of Heating, Ventilation, and Air Conditioning</i> , September 23-25, Beijing, China	Claridge, D. E.; Haberl, J. S.; Kissock, J. K.; Wu, J.	
ESL-PA-92-04-04	Calibration of Flowmeters for Use in HVAC Systems Monitoring, <i>Solar Engineering 1992: Proceedings of the 1992 ASME-JSES-KSES International Solar Energy Conference</i> , Maui, HI, April 5 – 9, Vol. 2, pp. 1277 – 1283	Haberl, J. S.; Turner, W. D.; Finstad, C.; Scott, F.; Bryant, J.; Coonrod, D.	
ESL-PA-92-04-05	Auditing for Energy Retrofits: Results and Lessons from a Major State Program, <i>Solar Engineering 1992: Proceedings of the 1992 ASME-JSES-KSES International Solar Energy Conference</i> , Maui, HI, April 5 – 9, Vol. 1, pp. 291 – 297	Heffington, W. M.; Britton, A. J.; Athar, A.; Nutter, D. W.	
ESL-PA-92-04-08	Data Processing Routines for Monitored Building Energy Data, <i>Solar Engineering 1992: Proceedings of the 1992 ASME-JSES-KSES International Solar Energy Conference</i> , Maui, HI, April 5 – 9, Vol. 1, pp. 329 – 336	López, R. E.; Haberl, J. S.	
ESL-PA-92-04-09	Building Energy Instrumentation for Determining Retrofit Savings: Lessons Learned, <i>Solar Engineering 1992: Proceedings of the 1992 ASME-JSES-KSES International Solar Energy Conference</i> , Maui, HI, April 5 – 9, Vol. 2, pp. 1263-1268	O'Neal, D. L.; Bryant, J.; Boles, K.	
ESL-PA-92-04-10	Testing Data Acquisition Systems for Use in HVAC System Monitoring, <i>Solar Engineering 1992: Proceedings of the 1992 ASME-JSES-KSES International Solar Energy Conference</i> , Maui, HI, April 5 – 9, Vol. 1, pp. 325 – 328	Sparks, R. J.; Haberl, J. S.; Bhattacharyya, S.; Rayaprolu, M.; Wang, J.; Vadlamani, S.	
ESL-PA-92-04-11	Calibration Facility for the LoanSTAR Program, <i>Solar Engineering 1992: Proceedings of the 1992 ASME-JSES-KSES International Solar Energy Conference</i> , Maui, HI, April 5 – 9, Vol. 2, pp. 1269 – 1275	Turner, W. D.; Haberl, J. S.; Bryant, J.; Finstad, C.; Robinson, J.	
ESL-PA-92-06-01	Preparing Students for the Texas Summer Energy Intern Program, <i>Proceedings of the 1992 ASEE Annual Conference</i> , Toledo, Ohio, Vol. 1, pp.797-799, June 21-25, 1992.	W. M. Heffington	
ESL-PA-92-07-01	Examination of Alternate Defrost Strategies for an Air-Source Heat Pump: Multi-Stage Defrost, <i>1992 ASME Winter Annual Meeting</i> , Anaheim, CA, Nov. 2.	Payne, V.; O'Neal, D. L.	
ESL-PA-92-08-02	Importance of Monitoring Air Handler Performance, <i>Proceedings of the ACEEE 1992 Summer Study on Energy Efficiency in Buildings</i> , Vol. 3, American Council for an Energy Efficient Economy, Washington, D.C.; pp. 3.161 – 3.164.	Katipamula, S.; Claridge, D. E.	
ESL-PA-92-08-03	Future Directions: Building Technologies and Design Tools, <i>Proceedings of the 1992 ACEEE Summer Study</i> , pp. 1.269 - 1.290, August 1992.	Selkowitz, S. E.; Haberl, J. S.; Claridge, D. E.	
ESL-PA-92-08-04	Panel 3 Overview: Commercial Performance Analysis and Measurement, <i>Proceedings of the 1992 ACEEE Summer Study</i> , pp. 3.xi-3.xiv, August 1992.	Haberl, J. S.; Anderson, R.	
ESL-PA-93-01-01	Graphical Tools to Help Calibrate the DOE-2 Simulation Program, <i>ASHRAE Journal</i> , January, Vol. 35, No. 1, pp. 27 – 32.	Haberl, J. S.; Bronson, J. D.; Hinchey, S. B.; O'Neal, D. L.	
ESL-PA-93-04-04	Improving the Paradigm for Displaying Complex Building Energy Consumption Data, <i>Proceedings of the ASME-ASES-SED International Solar Energy Conference</i> , Washington D.C., April 25 – 28.	Haberl, J. S.; Kissock, J. K.; Belur, R.; Sparks, R. J.	
ESL-PA-93-04-11	A Calorimetric Method for Heat Transfer Coefficient Measurement of Thermal Envelopes, <i>1993 Proceedings of the ASME-ASES-SED International Solar Energy Conference</i> , April 4-9, Washington, D.C.; pp. 495 – 505.	Liu, M.; Claridge, D. E.	
ESL-PA-93-08-06	Two-Phase Flow of HFC-134a through Short Tube Orifices, <i>Proceedings of the International Conference of Korean Scientists: Mechanical and Aerodynamics</i> , Seoul, Korea, August 20, pp. 1777 – 1781.	Kim, Y.; O'Neal, D. L.	
ESL-PA-93-12-06	The Effects of Outdoor Fan Airflow on the Frost/Defrost Performance of an Air-Source Heat Pump, <i>AES – Volume 29, Heat Pump and Refrigeration Systems Design, Analysis, and Applications ASME 1993</i> , pp. 107 – 115.	Payne, V.; O'Neal, D. L.	
ESL-PA-94-01-02	A Study of the Application of a Monogroove Heat Pipe to Solar Collectors, <i>ASME International Solar Energy Conference and ASME Journal of Solar Energy Engineering 1994</i> .	Kim, B. H.; Haberl, J. S.; Peterson, G. P.	
ESL-PA-94-01-03	Development of Procedures for the Computerized Plotting of a Sun-Path Diagram, and Shading Mask Protractor, <i>ASME International Solar Energy Conference & ASME Journal of Solar Engineering 1994</i> .	McWatters, K.; Haberl, J. S.	
ESL-PA-94-06-04	Savings in the Texas LoanSTAR Program are 119% of Audit Predictions – and Expected to Increase, <i>Inside Building Technologies, USDOE</i> , June, Vol. 1, No. 3, p. 4-7.	Claridge, D. E.; Turner, W. D.; Haberl, J. S.; O'Neal, D. L.; Heffington, W. M.	
ESL-PA-94-06-06	Examination of Variables for Use in Controlling Outdoor Coil Airflow in an Air-Source Heat Pump During Frost Forming Conditions, <i>ASHRAE Transactions: Research</i> , Volume 100, Part 2, pp. 131-139, June, 1994.	Payne, W. V.; O'Neal, D. L.	
ESL-PA-94-06-07	Education of Industrial Plant Personnel About Electrical Rates During Energy Audits, <i>Proceedings of the 1994 ASEE Annual Conference</i> , Edmonton, Alberta, Canada, Vol. 2, pp. 2027-2030, June 26-29, 1994.	Heffington, W. M.	
ESL-PA-94-07-02	Top Papers from “The Great Energy Predictor Shootout I: Measuring Retrofit Energy Savings,” <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2. Papers follow below: PA-94-07-02-1 through PA-94-07-02-6	Mackay, D. J. C.; Ohisson, M. B. O.; Peterson, C. O.; Pi, H.; Rognvaldsson, T. S.; Soderberg, B. P. W.; Feuston, B. P.; Thurtell, J. H.; Stevenson, W. J.; Iijima, M.; Takagi, K.; Takeuchi, R.; Matsumoto, T.; Kawashima, M.	
ESL-PA-94-08-01	Panel 5 Introduction: Commissioning, Operation and Maintenance, <i>Proceedings of the 1994 ACEEE Summer Study on Energy Efficiency in Buildings</i> , pp. 5.153-5.166.	Haberl, J. S.; Nelson, G.	
ESL-PA-95-08-03	Development of Graphical Indices for Displaying Large Scale Building Energy Data Sets, <i>Proceedings of the 30th Intersociety Energy Conversion Engineering Conference</i> , Orlando, Florida, July 31 – August 4, Paper No. 95-92, pp. 349-356.	Abbas, M.; Haberl, J. S.	
ESL-PA-95-09-03	Improved Operation and Maintenance Reduce Energy Costs by \$2,343,000/Yr in LoanSTAR Buildings. <i>Proceedings of the International HVAC Symposium</i> , September 25-27, 1995, Beijing, China.	Liu, M.; Athar, A.; Zhu, Y.; Reddy, A.; Claridge, D. E.; Haberl, J. S.	
ESL-PA-95-12-01	Monitoring, Analysis Help LoanSTAR Plan Succeed, <i>Energy User News</i> , p. 14, 1995.	Athar, A.	

ESL-PA-96-07-03	Top Papers from "The Great Energy Predictor Shootout II: Measuring Retrofit Savings," One paper published in <i>ASHRAE</i> and four papers submitted to <i>ASHRAE Transactions: Papers follow below: PA-96-07-03-1 through PA-96-07-03-5</i>	Haberl, J.; Thamileran, S.; Katipamula, S.; Chonan, Y.; Nishida, K.; Matsumoto, T.; Jang, K. J.; Bartlett, E. B.; Nelson, R. M.; Dodier, R. H.; Henze, G. P.	
ESL-PA-97-04-02	Improving Building Energy System Performance by Continuous Commissioning, <i>Proceedings of the 5th National Conference on Building Commissioning</i> , Huntington Beach, CA, April 28-30.	Liu, M.; Claridge, D. E.; Haberl, J. S.; Turner, W. D.	
ESL-PA-97-04-03	A Continuous Commissioning Case Study of a State-of-the-Art Building, <i>Proceedings of the 5th National Conference on Building Commissioning</i> , Huntington Beach, CA, April 28-30.	Zhu, Y.; Liu, M.; Claridge, D. E.; Feary, D.; Smith, T.	
ESL-PA-97-04-04	Continuous Commissioning: An Operations Management Strategy for Energy Management, <i>Proceedings of the 5th National Conference on Building Commissioning</i> , Huntington Beach, CA, April 28-30.	Bruner, H. L., Jr.; Darnell, C. G.; Liu, M.	
ESL-PA-97-09-02	Overview of LoanSTAR Chiller Monitoring and Analysis of <i>In-Situ</i> Chiller Diagnostics using ASHRAE RP827 Test Method, <i>Proceedings of the PG&E Cool Sense National Integrated Chiller Retrofit Forum</i> , September 23-24, 1997.	Haberl, J. S.; Reddy, T. A.; Figueroa, I.; Medina, M.	
ESL-PA-97-10-01	A Case for System Optimization, <i>Engineered Systems</i> , October, pp. 82-88.	Athar, A.	
ESL-PA-98-01-01	The Great Energy Predictor Shootout II Measuring Retrofit Savings, <i>ASHRAE Journal</i> , Vol. 1, pp. 49-56.	Haberl, J.; Thamileran, S.	
ESL-PA-98-01-02	"Air Conditioning and Distribution Systems" and "Multiple Interior Zone HVAC Systems," 1998 AIA Architect's Graphic Standards Supplement, pp. 321-325 (1998).	Haberl, J. S.	
ESL-TH-01-08-02	Electrical Demand Control in Industrial Facilities, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Liu, Z.	N/A
ESL-TH-02-05-02	A Procedure to Generate Thermal Utility Billings for Auxiliary Buildings on the TAMU Campus, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Nam, Y.	N/A
ESL-TH-02-05-03	Simulation and Calibration of Thermal Energy Consumption for the Large Animal Hospital and Research Laboratory Buildings at Texas A&M, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Lasanta, J. R.	N/A
ESL-TH-02-05-10	Simulation and Calibration of Energy Consumption for the Scott M. Matheson Courthouse Complex, Salt Lake City, Utah, <i>Masters of Engineering, Department of Mechanical Engineering, Texas A&M University</i> .	Tahir, A.	N/A
ESL-TH-03-05-05	Pressure Control Valves for High-Rise Buildings, <i>Masters of Engineering, Department of Mechanical Engineering, Texas A&M University</i> .	Narasimhan, S.	N/A
ESL-TH-03-12-06	Evaluation of Selected Economizer and Cold Deck Reset Strategies for Dual Duct Single Fan AHUs in Hot and Humid Climates, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Giebler, T.	N/A
ESL-TH-07-05-02	The Applicability of Continuous Commissioning to the Coast Guard: A Pilot Project at USCG SFO Galveston, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Kowalczyk, D.	N/A
ESL-TH-15-12-01	Variable-Fidelity Simulation Library for Dynamic Modeling of Thermal Management Systems	Rodriguez, E.; Rasmussen, B.	N/A
ESL-TH-16-05-02	Automated Modeling of Large Scale Interconnected Building Systems	Chintala, R.; Rasmussen, B.	N/A
ESL-TH-16-05-03	Distributed MPC for Optimal Building Energy Efficiency	Bay, C.; Rasmussen, B.	N/A
ESL-TH-16-05-05	Autonomous Navigation of Unmanned Vehicles for Building Energy Assessments	de Deus Vieira Cardoso, L.; Rasmussen, B.	N/A
ESL-TH-17-05-01	Linearizing Control Strategies for HVAC System Components	Price, C.; Rasmussen, B.	N/A
ESL-TH-17-08-03	Predictive Control of Peak Electrical Demand for Industrial Facilities	Rogers, A.; Rasmussen, B.	N/A
ESL-TH-86-12-01	Computer Simulation and Energy Analysis of Two Commercial Buildings in Austin, Texas, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Farzad, M.	N/A
ESL-TH-87-08-02	Methods to Optimize Building Operations Using TRNSYS Simulation Models at Johnson Controls, Inc., <i>Doctor of Engineering, College of Engineering, Texas A&M University</i> .	Songkakul, P.	N/A
ESL-TH-89-12-03	Simulation Modeling of Energy Consumption in the Zachry Engineering Center, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Torres-Nunci, N.	N/A
ESL-TH-98-05-02	Evaluation of the Performance and Emission of a Gas Fired Heat Pump, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Tootle, D.	N/A
ESL-TH-98-05-03	Frost Formation on a Horizontal Plate with Laminar Air Flow, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Zhou, H.	N/A
ESL-TH-98-12-03	The Use of ASEAM 3.0 to Analyze the Potential for Energy Efficiency in Indonesian Commercial Buildings, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Santosa, J.	N/A
ESL-TH-99-08-03	Recalibration of Baseline Models for LoanSTAR Buildings with Deterioration in Savings Using Data from Texas Capitol Complex Buildings, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Camden, H.	N/A
ESL-TR-05-05-01	Literature Review of Displacement Ventilation, <i>Energy Systems Laboratory, Texas A&M University</i> .	Cho, S.; Im, P.; Haberl, J. S.	
ESL-TR-05-05-02	Literature Review on Underfloor Air Distribution (UFAD) System, <i>Energy Systems Laboratory, Texas A&M University</i> .	Im, P.; Cho, S.; Haberl, J. S.	
ESL-TR-05-08-06	Water/Wastewater Engineering Report, (Storm Sewer/Infiltration Sanitary Sewage Separation – M1 Model), Report to the TCEQ, <i>Energy Systems Laboratory, Texas A&M University</i> .	Liu, Z.; Brumbelow, K.; Haberl, J. S.	
ESL-TR-05-08-07	Water/Wastewater Engineering Report, (High Efficiency Pump/Motor Replacement – M2 Model), Report to the TCEQ, <i>Energy Systems Laboratory, Texas A&M University</i> .	Liu, Z.; Brumbelow, K.; Haberl, J. S.	
ESL-TR-05-12-01	Savings Report for the Fort Hood Army Base, <i>Energy Systems Laboratory, Texas A&M University</i> .	Liu, Z.; Cho, S.; Baltazar-Cervantes, J. C.; Song, S.; Haberl, J. S.	
ESL-TR-05-12-05	NOx, SOx, and CO ₂ , Emissions Reduction From Continuous Commissioning® (CC®) Measures at the Rent-A-Car Facility in the Dallas-Fort Worth International Airport, <i>Energy Systems Laboratory, Texas A&M University</i> .	Baltazar-Cervantes, J. C.; Haberl, J. S.; Yazdani, B.	
ESL-TR-06-06-06	TERP Stakeholder's Meeting		
ESL-TR-06-06-07	Energy Efficiency / Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Vol. I – Summary Report, Annual Report to the Texas Commission on Environmental Quality, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J. C.; Degelman, L.; Turner, W. D.	

ESL-TR-06-06-08	Energy Efficiency / Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Vol. II – Summary Report, Annual Report to the Texas Commission on Environmental Quality, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J. C.; Degelman, L.; Turner, W. D.	
ESL-TR-06-06-09	Energy Efficiency / Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Vol. III – Appendix, Annual Report to the Texas Commission on Environmental Quality, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J. C.; Degelman, L.; Turner, W. D.	
ESL-TR-06-08-01	Statewide Air Emissions Calculations from Wind and Other Renewables, Summary Report, A Report to the Texas Commission on Environmental Quality for the Period September 2005 – August 2006, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S.; Culp, C.; Yazdani, B.; Subbarao, K.; Verdict, M.; Liu, Z.; Baltazar-Cervantes, J. C.; Gilman, D.; Fitzpatrick, T.; Turner, W. D.	
ESL-TR-06-10-01	Sustainability Assessment and Roadmap for a Green Campus Initiative, Texas A&M International University, Laredo, Texas, <i>Energy Systems Laboratory, Texas A&M University</i> .	Claridge, D. E.; Verdict, M.; Clingenpeel, K.	
ESL-TR-06-12-02	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Summary Report, <i>Energy Systems Laboratory, Texas A&M University</i>	Baltazar-Cervantes, J. C.; Champeau, K.; Ramirez, E. J.; Haberl, J. S.	
ESL-TR-07-02-01	Comparative Testing of the Combined Radiant Barrier and Duct Models in the ESL's Code-Compliant Simulation Model, <i>Energy Systems Laboratory, Texas A&M University</i>	Haberl, J. S.; Kim, S.	
ESL-TR-07-05-01	Comparative Testing of the ESL's Code-Compliant Simulation Model and the FSEC's EnergyGauge Software, <i>Energy Systems Laboratory, Texas A&M University</i>	Kim, S.; Liu, Z.; Haberl, J. S.	
ESL-TR-07-08-01	Statewide Air Emissions Calculations from Wind and Other Renewables, Summary Report: A Report to the Texas Commission on Environmental Quality for the period September 2006 – August 2007, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S.; Liu, Z.; Baltazar-Cervantes, J. C.; Subbarao, K.; Gilman, D.; Culp, C.; Yazdani, B.; Turner, W. D.	
ESL-TR-07-09-01	Recommendations for 15% Above-Code Energy Efficiency Measures for Residential Buildings, <i>Energy Systems Laboratory, Texas A&M University</i> .	Malhotra, M.; Mukhopadhyay, J.; Liu, Z.; Culp, C.; Haberl, J. S.; Yazdani, B.; Montgomery, C.	
ESL-TR-07-09-02	Recommendations for 15% Above-Code Energy Efficiency Measures for Commercial Office Buildings, Revised November 2008, <i>Energy Systems Laboratory, Texas A&M University</i> .	Cho, S.; Mukhopadhyay, J.; Liu, Z.; Culp, C.; Haberl, J.; Yazdani, B.; Montgomery, C.	
ESL-TR-07-12-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume I – Summary Report, Annual Report to the Texas Commission on Environmental Quality, January 2006 – June 2007, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J. C.; Montgomery, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	
ESL-TR-07-12-02	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume II – Technical Report, Annual Report to the Texas Commission on Environmental Quality, January 2006 – June 2007, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J. C.; Montgomery, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	
ESL-TR-07-12-03	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume III – Appendix, Annual Report to the Texas Commission on Environmental Quality, January 2006 – June 2007, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J. C.; Montgomery, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	
ESL-TR-08-06-01	The Application and Verification of ASHRAE 152-2004 (Method of Test for Determining the Design and Seasonal Efficiencies of Residential Thermal Distribution Systems) to DOE-2.1e Simulation Program, <i>Energy Systems Laboratory, Texas A&M University</i>	Haberl, J. S.; Kim, S.	
ESL-TR-08-08-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Preliminary Report: Integrated NOx Emissions Savings from EE/RE Programs Statewide, Annual Report to the Texas Commission on Environmental Quality, January 2007 – December 2007, <i>Energy Systems Laboratory, Texas A&M University</i>	Haberl, J. S.; Culp, C.; Yazdani, B.; Gilman, D.; Liu, Z.; Baltazar-Cervantes, J. C.; Montgomery, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	

ESL-TR-08-08-02	Statewide Air Emissions Calculations from Wind and Other Renewables, Summary Report: A Report to the Texas Commission on Environmental Quality for the Period September 2007 – August 2008, Summary Report, <i>Energy Systems Laboratory, Texas A&M University</i>	Haberl, J. S.; Liu, Z.; Baltazar-Cervantes, J. C.; Subbarao, K.; Gilman, D.; Culp, C.; Yazdani, B.; Turner, W. D.; Chandrasekaran, V.	
ESL-TR-08-08-03	Lessons Learned from Continuous Commissioning of the Robert E. Johnson State Office Building, Austin, TX, <i>Energy Systems Laboratory, Texas A&M University</i>	Claridge, D. E.; Bynum, J.	
ESL-TR-08-08-04	Lessons Learned from Continuous Commissioning* of a LEED® Gold Building in Texas, <i>Energy Systems Laboratory, Texas A&M University</i> .	Claridge, D. E.; Bynum, J.	
ESL-TR-08-11-02	Recommendations for 15% Above-Code Energy Efficiency Measures on Implementing Houston Amendments to Single-Family Buildings in Houston Texas, <i>Energy Systems Laboratory, Texas A&M University</i> .	Liu, Z.; Mukhopadhyay, J.; Malhotra, M.; Kota, S.; Haberl, J.; Culp, C.; Yazdani, B.	
ESL-TR-10-05-01	Description of the JBC Building and Energy and IEQ Instrumentation for a Field Test of the ASHRAE PMP, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Haberl, J.	
ESL-TR-10-11-02	Comparison of Results using REScheck and IC3 for IECC 2009 Code Compliance	Mukhopadhyay, J.; Baltazar, J. C.; Haberl, J. S.; Lewis, C.; Yazdani, B.	
ESL-TR-11-02-01	Statewide Electrical Energy Cost Savings and Peak Demand Reduction from the IECC Code-Compliant, Single-Family Residences in Texas (2002-2009) Revised June 2012, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Baltazar, J.C.; Haberl, J.	
ESL-TR-11-06-01	Estimation of NOx Reductions and Cost Savings in Texas by CFL Replacement from Incandescent Lamps from 2011 through 2031, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, K.H.; Haberl, J.; Baltazar, J.C.	
ESL-TR-11-07-01	Cost-Effective Energy Efficiency Measure for Above 2003 and 2009 IECC Code-Compliant Residential and Commercial Buildings in the City of Arlington, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Do, S.; Baltazar, J.C.; Haberl, J.; Lewis, C.	
ESL-TR-11-09-01	Dallas/Fort Worth International Airport (DFW) Central Utility Plant Hydraulic Systems Analysis, <i>Energy Systems Laboratory, Texas A&M University</i> .	Claridge, D.; Martinez, J.; Urgursal, A.; Li, N.	
ESL-TR-11-10-05	DFW Energy Plaza (CUP) System Wide Hydraulic, Capacity, and Energy Study – Final Report, <i>Energy Systems Laboratory, Texas A&M University</i> .	Claridge, D.; Martinez, J.; Yazdani, B.; Urgursal, A.; Li, N.	
ESL-TR-11-12-05-a	Comparison of Building Energy Code Stringency: 2009 IECC Versus 2012 IECC for Single-Family Residences in Texas	Kim, H.; Baltazar, J.C.; Haberl, J.S.; Yazdani, B.	
ESL-TR-12-03-02	Review of Methods for Measuring and Verifying Savings from Energy Conservation Retrofits to Existing Buildings Second Edition, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.	
ESL-TR-12-07-02	2012 TERP Stakeholder's Meeting		
ESL-TR-12-07-03	2012 IECC Significant Changes		
ESL-TR-12-12-01	Validation of the International Code Compliant Calculator (IC3) v3.12.4 Using the Resnet Verification Procedures (No. 07-003), <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Baltazar, J.C.; Haberl, J.	
ESL-TR-13-06-02	NOx Emissions Reduction From CPS Energy's "Save For Tomorrow Energy Plan" Within the Alamo Area Council of Governments Report to the Texas Commission of Environmental Quality, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Yazdani, B.; Baltazar, J.C.; Do, S.L.	
ESL-TR-13-07-03	Regional Energy Baseline (1960-2011), <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Baltazar, J.C.; Haberl, J.	
ESL-TR-14-12-01	Validation of the International Code Complaint Calculator (IC3) v3.14.0 Using the Resnet Verification Procedures (NO. 03-014)	Mukhopadhyay, J.; Baltazar, J.C.; Haberl, J. S.	
ESL-TR-15-07-01	TCEQ Report, Statewide Air Emissions Calculations from Wind and Other Renewables	Haberl, J.; Baltazar, J. C.; Yazdani, B.; Claridge, D.; Oh, S.; Mao, C.	
ESL-TR-16-08-01	An Investigation of a New Refrigeration Cycle Based on Membrane Enabled Dehumidification and Cooling	Pate, M.; Prasad, K.	
ESL-TR-16-11-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume I - Technical Report	Haberl, J.; Baltazar, J.C.; Yazdani, B.; Do, S. L.; Mukhopadhyay, J.; Parker, P.; Ellis, S.; Degelman, L.; Zilbertshtein, G.; Claridge, D.	
ESL-TR-16-11-02	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume II - Appendices	Haberl, J.; Baltazar, J.C.; Yazdani, B.; Do, S. L.; Mukhopadhyay, J.; Parker, P.; Ellis, S.; Degelman, L.; Zilbertshtein, G.; Claridge, D.	
ESL-TR-16-12-01	Final Report for the Fort Hood Army Base Project	Shin, M.; Parker, P.; Baltazar, J.C.; Haberl, J.	
ESL-TR-18-02-01	Statewide electricity and demand capacity savings from the iterative energy conservation code (IECC) adoption for single-family residence in Texas (2002-2016)	Kheiri, F.; Baltazar, J.C.; Haberl, J.; Yazdani, B.	
ESL-TR-19-08-04	Application Evaluation of the Market Square Project, Cleveland, Ohio, Report for Technical Support Services for the Ohio Air Quality Development Authority, Columbus, Ohio, <i>Energy Systems Laboratory Report No.</i>	Haberl, J.S., Baltazar, J.C., and Yazdani, B.	