



ENERGY SYSTEMS LABORATORY

TEXAS A&M ENGINEERING EXPERIMENT STATION

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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
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ESL-PA-86-06-02	Experimental Study of Heat Transfer in Attics with a Small-Scale Simulator, <i>ASHRAE Transactions</i> 1986, No. 3020, pp. 122 - 134.	Katipamula, S.; O'Neal, D. L.; Turner, W. D.; Murphy, W. E.	Link
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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, Arlington, TX, November 18-19, 1986</i> .	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
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ESL-HH-86-11-04	Estimation of the Energy and Capacity Savings in Texas from Appliance Efficiency Standards	Verdict, M.	Link
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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
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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.	Schrecengost, 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
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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
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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
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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

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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
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ESL-HH-88-09-02	Cool Storage Economic Feasibility Analysis for a Large Industrial Facility	Fazzolari, R.; Mascorro, J. A.; Ballard, R. H.	Link
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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
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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
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ESL-IE-88-09-71	Why Condensing Steam Turbines are More Efficient than Gas Turbines	Nelson, K.	Link
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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
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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
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ESL-IE-89-09-07	Development of an On-Line Expert System: Heat Rate Degradation Expert System Advisor	Popocy, D.	Link
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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
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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
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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
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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
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ESL-IE-90-06-19	New Clean Coal Cycle Optimized Using Pinch Technology	Rossiter, A. P.; O'Donnell, J. J.	Link
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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
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ESL-IE-90-06-32	Partners for Progress- A Utility Perspective	Pierce, C. S.	Link
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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.; Kiskey, 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

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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
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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
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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.; Kissock, 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-ISME 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.; Kissock, 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
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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
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ESL-IE-91-06-18	Real-Time Pricing - A Flexible Alternative for Electrical Power Supply	Reynolds, S.; Frye, Jr.; A.	Link
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ESL-IE-91-06-20	Evaluating Utility System Operations Using APLUS	Pethe, S.; Singh, R.	Link
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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
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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 Emmissivity 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.; Bhattacharyya, 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
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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
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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.; Athar, A.; Britton, A. J.; Nutter, D. W.	Link
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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
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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
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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
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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
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ESL-HH-92-05-17	The Revised Austin Energy Code and Comparisons with the Texas State Energy Standard	Crow, G. W.	Link
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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
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ESL-HH-92-05-30	Data Management in the LoanSTAR Program	Lopez, R.E.; Haberl, J.	Link
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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, 1992 <i>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, 1992 <i>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 Symposium</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.; Kissock, K.; Campbell, S.	Link

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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
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ESL-IE-93-03-28	Better Bearing Housing Seals Prevent Costly Machinery Failures	Bloch, H.	Link
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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
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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
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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
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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</i> 1993, <i>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</i> 1993, <i>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 (IHFE), 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>AES – 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
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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 Forrester 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/ISES International Solar Energy Conference, San Francisco, CA, March 27 – 30, pp. 307 – 322</i> .	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/ISES International Solar Energy Conference, San Francisco, CA, March 27 – 30</i> .	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/ISES International Solar Energy Conference, San Francisco, CA, March 27 – 30</i> .	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, August 7 – 11, Monterey, CA, Pt. 2, pp. 921 – 926</i> .	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.; Kissock, 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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 2, pp. 741 – 750</i> .	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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 1, pp. 99 – 110</i> .	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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 1, pp. 111 – 123</i> .	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/ISES International Solar Energy Conference, Maui, HI, March 19–24, Vol. 1, pp. 135–144</i> .	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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 1, pp. 145 – 156</i> .	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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 1, pp. 157 – 165</i> .	Kreider, J. F.; Claridge, D. E.; Curtis, 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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 1, pp. 187 – 195</i> .	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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 1, pp. 209 – 217</i> .	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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 1, pp. 219 – 227</i> .	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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 1, pp. 253 – 263</i> .	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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 1, pp. 265 – 271</i> .	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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 1, pp. 295 – 304</i> .	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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 1, pp. 69 – 76</i> .	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/ISES International Solar Energy Conference, Maui, HI, March 19 – 24, Vol. 2, pp. 731 – 740</i> .	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/ISES 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
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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
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ESL-IE-95-04-44	Cooling Towers Make Money	Burger, R.	Link
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ESL-IE-95-04-49	Garnering the Industrial Sector: A Comparison of Cutting Edge Industrial DSM Programs	Kyricopoulos, 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
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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
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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.; Thamilsaran, 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
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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
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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, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	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 1997</i> , 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
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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
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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 : Research</i> , 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
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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
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ESL-HH-98-06-39	Signatures of Heating and Cooling Energy Consumption for Typical AHUs	Wei, G.; Liu, M.; Claridge, D. E.	Link
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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.; Thamilsaran, 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, Baselining 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> .	Thamilsaran, 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
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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 Baselining 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
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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
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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
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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
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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
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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>Proceedings 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
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ESL-IE-01-05-40	Use Spread-sheet Based CHP Models to Identify and Evaluate Energy Cost Reduction Opportunities in Industrial Plants	Kumana, J. D.	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.	Watters, R. J.; O'Neal, D. L.; Yang, J.	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.	Heffington, W. M.; Eggebrecht, J. A.	Link
ESL-TR-01-06-01	HVAC Data Visualization: Past, Present, & Future, <i>ASHRAE Seminar 46, Cincinnati Meeting</i> , 2001.	Haberl, J.	Link
ESL-IC-01-07-01	Continuous Commissioning: A Valuable Partner to Retrofit Projects	Zhu, Y.; Culp, C.; Turner, D.; Yazdani, B.; Athar, A.; Banks, K.	Link
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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).	Haberl, J.; Sreshthaputra, A.; Claridge, D.; Turner, D.; Harmon, K.; Kisselburgh, J.; Mase, R.	Link
ESL-IC-01-07-23	Demand Relief and Weather Sensitivity in Large California Commercial Office Buildings	Kinney, S.; Piette, M. A.; Gu, L.; Haves, P.	Link
ESL-IC-01-07-24	Energy Use in the U.S. Commercial Sector – Energy Information Administration Data, Information and Analyses	Boedecker, E.	Link
ESL-IC-01-07-25	Energy Management Program at Atlanta Postal Distribution Center	Brown, M.; Ansari, A.	Link
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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).	Farouz, S.; Baltazar-Cervantes, J. C.; Haberl, J.; Claridge, D.	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).	Baltazar, J.C.; Lim, C.; Haberl, J.; Turner, W. D.; Claridge, D.	Link
ESL-IC-01-07-29	Accounting for the Occupancy Variable in Inverse Building Energy Baseline Models	Abushakra, B.; Claridge, D.	Link
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ESL-IC-01-07-32	Evaluation of Emerging Diagnostic Tools for Commercial HVAC Systems	Friedman, H.; Piette, M. A.	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>	Dooley, E. S.	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>	Claridge, D. E.; Baltazar, J.C.-C.; Zhu, Y.	Link
ESL-TR-01-10-01	Retrofit Savings Determination for Wichita Falls Independent School District, <i>Energy Systems Laboratory, Texas A&M University</i>	Shao, X.; Baltazar, J.C.-C.; Claridge, D. E.	Link
ESL-TR-01-10-02	Retrofit Savings for Brazos County, <i>Energy Systems Laboratory, Texas A&M University</i>	Baltazar, J.C.-C.; Shao, X.; 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>	Klima, P.; Lockhart, D.; Haberl, J.	Link
ESL-TR-01-12-01	Access and Display of LoanSTAR Data via the Internet, <i>Energy Systems Laboratory, Texas A&M University.</i>	Sweeney, J.; Jr.; 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
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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
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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
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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
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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
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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
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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.; Verdick, 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
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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.	Akteman, 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
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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
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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
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ESL-IE-03-05-19	SteamMaster: Steam System Analysis Software	Wheeler, G.	Link
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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
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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> .	Runghareonrat, 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
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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.	Yearly, 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.	Heubsch, 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
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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
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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
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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
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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
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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
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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-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.	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-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.	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-IE-05-05-41	Water Hammer Elimination: A Case Study	Venkatesan, V. V.; Harun, S. D.; Karthikeyan, P. S.	Link
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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-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.	Link
ESL-IC-05-10-01	Linking Building Commissioning and Operations and Maintenance Towards an Embedded Commissioning Practice	Akin, O.; Gursel, I.	Link
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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-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	Link
ESL-TR-05-12-05	NOx, SOx, and CO2, 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.	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
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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.	Link
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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-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
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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
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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.	Link
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.	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>	MIClak, J. D.	Link
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.	Link
ESL-TH-07-05-03	Whole-Building Commercial HVAC System Simulation for Use in Energy Consumption Fault Detection	Painter, F.	Link
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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.	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-07-09-01	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.	Link
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.	Link
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.	Link
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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
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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
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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
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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-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, Energy Systems Laboratory, Texas A&M University	Haberl, J. S.; Liu, Z.; Baltazar-Cervantes, J. C.; Subbarao, K.; Gilman, D.; Culp, C.; Yazdani, B.; Turner, W. D.; Chandrasekaran, V.	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-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.	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
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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
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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
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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
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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
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ESL-IE-09-05-33	A Texas Refinery Success Story	Kacsur, D.	Link
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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, S.; 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 Usuable 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.; Piette, 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
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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
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ESL-IC-09-11-29	Green Homebuilding By Design- a Systems Approach	Pfeiffer, P.L.	Link
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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	ElSherbini, 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>	Aklemann, 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 Coupling 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
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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
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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
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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.; Shivvers, 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
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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>	Haberl, J.; Culp, C.; Yazdani, B.; Liu, Z.; Baltazar, JC.; Gilman, D.; Lewis, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	Link
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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
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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
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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
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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
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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
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ESL-TR-14-08-01	Comparing the Residential Provisions on the 2015 IECC with the Corresponding Provisions of the 2015 IECC for Single-Family Residential Construction in Texas.	Mukhopadhyay, J.; Baltazar, J.C.; Ellis, S.; Haberl, J.; Yazdani, B.	Link
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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
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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
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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
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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
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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
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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!
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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
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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
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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, JC.; Claridge, D.	Link
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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
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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
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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, JC.; 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, JC.; 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
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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
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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
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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
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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
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ESL-PA-19-11-01	A simplified methodology to optimize the cooling tower approach temperature control schedule in a cooling system, Energy Conversion and Management, 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
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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
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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
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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
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