



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 1986</i> , No. 3020, pp. 122 – 134.	Katipamula, S.; O'Neal, D. L.; Turner, W. D.; Murphy, W. E.	Link
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ESL-TH-86-07-01	An Expert System for the Analysis of Building Energy Consumption, Doctoral Dissertation, Department of Civil, Environmental and Architectural Engineering, University of Colorado.	Haberl, J.	Link
ESL-PA-86-08-02	A Statistical Building Energy Usage Prediction Methodology, <i>Proceedings of the 1986 ACEEE Summer Study on Energy Efficiency in Buildings: Panel on Performance Measurement and Analysis</i> , Vol. 9, pp. 9.128 – 9.131.	Haberl, J.; Claridge, D. E.	Link
ESL-TR-86-08-01	An Analysis of Efficiency Improvements in Residential Sized Heat Pumps and Central Air Conditioners, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	O'Neal, D. L.; Boecker, C. L.; Penson, S.	Link
ESL-TR-86-09-03	Energy Analysis and Energy Conservation Option for the Warehouse Facility at the Human Services Center Complex, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Farzad, M.; O'Neal, D. L.	Link
ESL-TR-86-10-01	An Energy and Peak Loads Analysis of the Texas Department of Health Building, Final Report, <i>Prepared for the Energy Efficiency Division, Texas Public Utility Commission by The Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Katipamula, S.; O'Neal, D. L.	Link
ESL-PA-86-11-01	An Evaluation of the Placement of Radiant Barriers on their Effectiveness in Reducing Heat Transfer in Attics, <i>Proceedings of the 3rd Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , Arlington, TX, November 18-19, 1986.	O'Neal, D.; Garibay, Y.	Link
ESL-PA-86-11-02	A Computer Analysis of Energy Use and Energy Conservation Options for a Twelve Story Office Building In Austin, TX	Katipamula, S.; O'Neal, D. L.; Farrad, M.	Link
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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.	Schreengost, R. C.; Lum, S. K.; Notman, J. R.; Sattler, D. R.; Heffington, W. M.	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
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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
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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-IE-88-09-70	Testimony of the Council on Superconductivity for American Competitiveness before Texas A&M University	Ott, K.	Link
ESL-IE-88-09-71	Why Condensing Steam Turbines are More Efficient than Gas Turbines	Nelson, K.	Link
ESL-IE-88-09-72	Current Practical Applications of the Second Law of Thermodynamics	Kenney, W.	Link
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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
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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
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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-90-06-35	Southern California Edison's (SCE) Research Program for Industrial Volatile Organic Compound (VOC) Emissions Control	Sung, R. D.; Cascone, R.; Reese, J.	Link
ESL-TR-90-07-01	Texas LoanSTAR Monitoring and Analysis Program Progress Report	Britton, A. J.; Heffington, W. M.; Nutter, D. W.	Link
ESL-PA-90-08-02	An Evaluation of Institutional Energy Audits Performed for the Texas LoanSTAR Program, <i>Proceedings of the ACEEE 1990 Summer Study on Energy Efficiency in Buildings</i> , Vol. 6, pp. 6.43-6.45.	Haberl, J.; Doruk, Z. B.; Heffington, W. M.	Link
ESL-PA-90-08-03	Improving Energy Audits: How Annual and Monthly Consumption Data Can Help, <i>ASHRAE Journal 1990 (Part 1 of 2)</i> , Vol. 32, No. 8, pp. 26-33.	Haberl, J.; Komor, P. S.	Link
ESL-TH-90-08-01	Development of Improvements to the ASHRAE TC4.7 Simplified Energy Analysis Procedure, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Balasubramanya, R.	Link
ESL-TH-90-08-04	Modeling the Effects of Refrigerant Charging on Air Conditioner Performance Characteristics for Three Expansion Devices, <i>Doctoral Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Farzad, M.	Link
ESL-PA-90-09-01	Improving Energy Audits: How Daily and Hourly Consumption Data Can Help, <i>ASHRAE Journal 1990 Pt. 2</i> , Vol. 32, No. 9, pp. 26-36.	Haberl, J.; Komor, P. S.	Link
ESL-PA-90-10-01	Overview of the Texas LoanSTAR Monitoring Program, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 28-34.	Turner, W.D.	Link
ESL-PA-90-10-02	LoanSTAR Energy Conservation Audits: January 1989-August 1990, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 35-40.	Nutter, D. W.; Britton, A. J.; Muraya, N. K.; Heffington, W. M.	Link
ESL-PA-90-10-03	Metering and Calibration in LoanSTAR Buildings, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 41-46	O'Neal, D. L.; Bryant, J. A.; Turner, W. D.; Glass, M. G.	Link
ESL-PA-90-10-04	The Texas LoanSTAR Program: Acquiring and Archiving LoanSTAR Data, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 47-52.	Haberl, J.; Katipamula, S.; Willis, E. D.; Weber, K.; Matson, J.; Rayaprolu, M.; Subramanian, U.	Link
ESL-PA-90-10-05	Analysis of Texas LoanSTAR Data, <i>Proceedings of the 7th Annual Symposium on Improving Building Systems in Hot and Humid Climates 1990</i> , October 9-10, Ft. Worth, TX, pp. 53-60.	Claridge, D. E.; Haberl, J.; Katipamula, S.; O'Neal, D. L.; Ruch, D.; Chen, L.; Heneghan, T.; Hinchey, S.; Kissock, J. K.; Wang, J.	Link
ESL-HH-90-10-01	Conducting Successful Programs to Increase the Energy-Efficiency of Manufactured Housing	Lee, A. D.; Riewer, S. M.; Volke, S. M.	Link
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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
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ESL-PA-90-11-01	ITPE Technique Applications to Time-Varying Three-Dimensional Ground-Coupling Problems, <i>Journal of Heat Transfer</i> 1990, Vol. 112, pp. 849 – 856.	Krarti, M.; Claridge, D. E.; Kreider, J. F.	Link
ESL-PA-90-12-01	The Impact of AI Technology Within the HVAC Industry, <i>ASHRAE Journal</i> , December 1990, Vol. 32, No. 12, pp. 12 – 22	Culp, C.; Haberl, J.; Norford, L.; Brothers, P.; Hall, J. D.	Link
ESL-TR-90-12-02	Improved Analysis Methods for Retrofit Savings and Energy Accounting (ERAP #227), <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Claridge, D. E.; Haberl, J.; Kiskoock, J. K.; Ruch, D.; Katipamula, S.; Chen, L.; Wang, J.	Link
ESL-TR-91-01-01	Texas LoanSTAR Monitoring and Analysis Program—Monitoring Advisory and Review Committee (January 1991), <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Turner, W. D.; Heffington, W. M.; Bryant, J.; Haberl, J.; Willis, E. D.; Sparks, R. J.; López, R. E.; Claridge, D. E.	Link
ESL-PA-91-01-02	Effect of Short-Tube Orifice Size on the Performance of an Air Source Heat Pump During the Reverse-Cycle Defrost, <i>International Journal of Refrigeration</i> , January 1991, Vol. 14, Issue 1, pp. 52 – 57	O'Neal, D. L.; Peterson, K.; Anand, N. K.	Link
ESL-PA-91-03-04	A Methodology to Identify Diurnal Load Shapes for Non-Weather Dependent Electric End-Uses, <i>ASME Solar Engineering</i> 1991, pp. 457 – 467.	Katipamula, S.; Haberl, J.	Link
ESL-PA-91-03-05	A Change-Point Principal Component Analysis (CP/PCA) Method for Predicting Energy Usage in Commercial Buildings: The PCA Model, <i>Solar Engineering 1991: Proceedings of the ASME-JSES-JSME International Solar Energy Conference</i> , Reno, Nevada, March 1991, pp. 441 – 448.	Ruch, D.; Chen, L.; Haberl, J.; Claridge, D. E.	Link
ESL-TR-91-03-01	Prairie View A&M University Whole Campus Energy Analysis, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Haberl, J.; Claridge, D. E.; Turner, W. D.	Link
ESL-TR-91-03-05	Use of Energy Management and Control Systems for Performance Monitoring of Retrofit Projects: Preliminary Engineering Survey, USDOE Forrestal Building and Germantown Facility, <i>USDOE Office of Conservation and Energy, Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Claridge, D. E.; Haberl, J.; Bryant, J.; Poyner, B.; McBride, J.	Link
ESL-PA-91-04-01	Exploring an Integrated Data Base Structure for Building Energy Monitoring Data, <i>Proceedings of the IBPSA Building Simulation 1991 Conference</i> , Nice, FR, pp. 587 – 591.	Haberl, J.; Jagannathan, V.; López, R. E.; Sparks, R. J.; Kiskoock, J. K.; Willis, E. D.; Claridge, D. E.	Link
ESL-TH-91-05-02	An Experimental and Analytical Study of the Transient Behavior of Vertical U-Tube Ground-Coupled Heat Pumps in the Cooling Mode, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Dobson, M. K.	Link
ESL-TH-91-05-03	The Measured Energy Impact of Air Leakage on Frame Wall Systems, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Bhattacharyya, S.	Link
ESL-TH-91-05-04	Developing a Change-Point Principal Component Predictive Model for Energy Use in a Supermarket, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Chen, L.	Link
ESL-PA-91-06-01	Performance Degradation During On-Off Cycling of Single-Speed Air Conditioners and Heat Pumps: Model Development and Analysis, <i>ASHRAE Transactions</i> 1991, Vol. 97, pp. 316 – 323.	Katipamula, S.; O'Neal, D. L.	Link
ESL-PA-91-06-02	Performance Degradation During On-Off Cycling of Single-Speed Heat Pumps Operating in the Cooling Mode: Experimental Results, <i>ASHRAE Transactions</i> 1991, Vol. 97, Pt. 2, pp. 331 – 339.	Katipamula, S.; O'Neal, D. L.	Link
ESL-IE-91-06-01	Turbine Steam Path Audits for Improved Performance and Profitability	Babson, P.	Link
ESL-IE-91-06-02	Automatic Tube Cleaning Systems for Condensers and Heat Exchangers	Someah, K.	Link
ESL-IE-91-06-03	Process Integration Study of a Food Plant	Chao, P.; Tripathi, P.	Link
ESL-IE-91-06-04	Optimum Temperature Difference and Pressure Drop in Heat Exchangers	Steinmeyer, D.	Link
ESL-IE-91-06-05	A Fluidized Bed Chiller: A New Approach in Making Slush-Ice	Klaren, D.; van der Meer, J.	Link
ESL-IE-91-06-06	Retrofit for Plastic Resin Driers	Joseph, B.; Thuro, G.	Link
ESL-IE-91-06-07	Process Design and Operation for Energy Efficiency	Rossiter, A.; Nath, R.; Yell, M.	Link
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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-91-06-32	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.; Bhattacharyya, S.; Rayaprolu, M.; Wang, J.; Vadlamani, S.	Link
ESL-TH-91-12-01	Influence of Dust on the Emissivity of Radiant Barriers, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Noboa, H. L.	Link
ESL-TH-91-12-04	Analysis and Optimized Design of Airlocks for Fluidized Bed Gasifier Fuel Feed Systems, <i>Masters of Engineering, College of Engineering, Texas A&M University</i> .	Nuboer, B.	Link
ESL-TR-91-12-02	Simulation of the Post-Retrofit Thermal Energy Use for the Perry-Castaneda Library Building with the Use of Simplified System Models, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Katipamula, S.; Claridge, D. E.	Link
ESL-TR-91-12-03	Simulation of the Post-Retrofit Thermal Energy Use for the University Teaching Center (UTC) Building with the Use of Simplified System Models, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Katipamula, S.; Claridge, D. E.	Link
ESL-PA-92-01-01	Comparing Monitoring Protocols for Energy Retrofits, <i>ASHRAE Transactions</i> , 1992, Vol. 98, Pt. 1, pp. 1081 – 1096	Haberl, J.; Athar, A.; Abbas, M.; Claridge, D. E.	Link
ESL-PA-92-01-02	Monitored Commercial Building Energy Data: Reporting the Results, <i>ASHRAE Transactions</i> , 1992, Vol. 98, Pt. 1, pp. 881 – 889	Claridge, D. E.; Haberl, J.; Sparks, R. J.; López, R. E.; Kissock, J. K.	Link
ESL-PA-92-01-03	A Procedure for Calibrating the DOE-2 Simulation Program to Non-Weather Dependent Measured Loads, <i>ASHRAE Transactions</i> , 1992, Vol. 98, Pt. 1, pp. 636 – 652	Bronson, D. J.; Hinchey, S. B.; Haberl, J.; O'Neal, D. L.	Link
ESL-PA-92-02-01	The Effect of Void Fraction Model on Estimation of Air Conditioner System Performance Variables under a Range of Refrigerant Charging Conditions, <i>International Journal of Refrigeration</i> , 1994, Vol. 17, No. 2, pp. 85 – 93	Farzad, M.; O'Neal, D. L.	Link
ESL-PA-92-02-02	Graphical Tools to Help Calibrate the DOE-2 Simulation Program to Measured Loads, <i>The DOE-2 User News</i> , January 1993, Vol. 13, No. 1, pp. 5 – 14	Haberl, J.; Bronson, D.; Hinchey, S.; O'Neal, D. L.; Claridge, D. E.	Link
ESL-PA-92-02-03	Texas LoanSTAR Monitoring & Analysis Program- Characterizing LoanSTAR Buildings and Energy Consumption	Abbas, M.; Ather, A.; Challa, V.; Haberl, J.; Claridge, D. E.	Link
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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
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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-92-02-16	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
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ESL-PA-92-02-19	LoanSTAR Energy Auditing: Update and Changes	Heffington, W. M.; Ather, 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
ESL-IE-92-04-04	Hoechst Celanese Energy Model	Fitzpatrick, B.; Gangadhar, K.	Link
ESL-IE-92-04-05	Industrial Energy Auditing: An Opportunity for Improving Energy Efficiency and Industrial Competitiveness	Glaser, C.	Link
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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
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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-92-05-13	The Measured Energy Impact of Infiltration under Dynamic Conditions	Liu, M.; Claridge, D. E.	Link
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ESL-HH-92-05-33	Calibration of Relative Humidity Transducers for Use in the Texas LoanSTAR Program	Bryant, J. A.; O'Neal, D. L.	Link
ESL-HH-92-05-34	A Methodology for Identifying Retrofit Energy Savings in Commercial Buildings	Kissock, K.; Reddy, T. A.; Claridge, D. E.	Link
ESL-HH-92-05-35	Disaggregating Cooling Energy Use of Commercial Buildings Into Sensible and Latent Fractions from Whole-Building Monitored Data: Methodology and Advantages	Katipamula, S.; Reddy, T. A.; Claridge, D. E.	Link

ESL-TR-92-06-02	LoanSTAR Monitoring and Analysis Program Building Energy Monitoring Workbook Submitted to the Texas Governor's Energy Office by the Improved Energy Audit Process Task (Aug. 1992), <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Haberl, J.; Lopez, R.; Sparks, R.	Link
ESL-PA-92-07-02	A Thermal Mass Treatment for the TC 4.7 Simplified Energy Analysis Procedure, <i>1992 ASHRAE Transactions: Research</i> , pp. 320 – 327.	Claridge, D. E.; Norford, L. K.; Balasubramanya, R.	Link
ESL-PA-92-07-03	A Multiclimatic Comparison of the Improved TC 4.7 Simplified Energy Analysis Procedure with DOE 2, <i>1992 ASHRAE Transactions: Research</i> , pp. 305 – 319.	Balasubramanya, R.; Claridge, D. E.; Norford, L. K.; Kreider, J. F.	Link
ESL-TH-92-08-05	A Quasi-Steady State Model to Predict Heat Transfer and Energy Savings in Residences Using Radiant Barriers, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Winiarski, D. W.	Link
ESL-TH-92-08-06	Study of Air Infiltration Energy Consumption, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.	Link
ESL-TR-92-08-04	A Field Study on Residential Air Conditioning Peak Loads During Summer in College Station, Texas, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Reddy, T. A.; Vaidya, S.; Griffith, L.; Bhattacharyya, S.; Claridge, D. E.	Link
ESL-PA-92-09-02	Effect of Attic Ventilation on the Performance of Radiant Barriers, <i>Journal of Solar Energy Engineering, ASHRAE Transactions</i> , pp. 234 – 239.	Medina, M. A.; O'Neal, D. L.; Turner, W. D.	Link
ESL-TH-92-11-01	Monitoring the Performance of a Residential Central Air Conditioner under Reduced Evaporator Air Flow on a Test Bench, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Palani, M.	Link
ESL-PA-92-12-01	A Part Load Factor for a Heat Pump Derived from Laboratory Measurements, <i>Energy and Buildings</i> , 19, pp. 125 – 132.	Katipamula, S.; O'Neal, D. L.	Link
ESL-TH-92-12-04	Development of a Transient Heat and Mass Transfer Model of Residential Attics to Predict Energy Savings Produced by the Use of a Radiant Barrier, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Medina, M. A.	Link
ESL-TH-92-12-05	An Experimental Study of Heating Performance and Seasonal Modeling of Vertical U-Tube Ground Coupled Heat Pumps, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Margo, R. E.	Link
ESL-TH-92-12-06	The Effects of Airflow Modulation and Multi-Stage Defrost on the Performance of an Air Source Heat Pump, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Payne, W. V.; II	Link
ESL-TR-92-12-02	Calculating Energy and Demand Retrofit Savings for Stroman High School: Interim Report, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, Y.; Reddy, T. A.; Katipamula, S.; Claridge, D. E.	Link
ESL-TR-92-12-03	Calculating Energy and Demand Retrofit Savings for Victoria High School: Interim Report, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, Y.; Reddy, T. A.; Katipamula, S.; Claridge, D. E.	Link
ESL-TR-92-12-07	A Comprehensive Review of the Tests Completed on the Flowloop at the Energy Systems Laboratory (Draft), <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Robinson, J.	Link
ESL-PA-92-12-09	The Energy Impact of Combined Solar Radiation/Infiltration/Conduction Effects in Walls and Attics, <i>Proceedings of the ASHRAE/DOE/BTECC Conference</i> , Clearwater Beach, Florida.	Liu, M.; Claridge, D. E.	Link
ESL-PA-93-01-02	A Study of Energy Use in Grocery Stores, <i>ASHRAE Transactions</i> , January, Vol. 99, Pt. 1.	Cox, R. L.; Haberl, J.; Claridge, D. E.	Link
ESL-PA-93-01-03	Influence of the Expansion Device on Air-Conditioner System Performance Characteristics under a Range of Charging Conditions, <i>ASHRAE Transactions</i> , January, Vol. 99, Pt. 1.	Farzad, M.; O'Neal, D. L.	Link
ESL-PA-93-01-04	A Simplified Model of Pin Fin Heat Exchangers under Frosting Conditions, <i>ASHRAE Transactions</i> , January, Vol. 99, Pt. 1.	Kondepudi, S. N.; O'Neal, D. L.	Link
ESL-PA-93-01-05	Characterizing Steam and Chilled-Water Use for a Large Campus in Central Texas, <i>ASHRAE Transactions Symposia</i> , Vol. 99, Pt. 2, June, pp. 465 – 476.	Haberl, J.; Beasley, R. C.; Thompson, D. L.	Link
ESL-PA-93-01-06	Defrost Cycle Performance for an Air-Source Heat Pump Operating with a Scroll and a Reciprocating Compressor, <i>Proceedings of the 28th InterSociety Energy Conversion Engineering Conference: Energy, Environment, Economics</i> , August, Vol. 1, pp. 1.903 – 1.907.	Payne, V.; O'Neal, D. L.	Link
ESL-TR-93-01-07	Potential Operation and Maintenance (O&M) Savings at the State Capitol Complex, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University</i> .	Houcek, J. K.; Liu, M.; Claridge, D. E.; Haberl, J.; Katipamula, S.; Abbas, M.	Link
ESL-PA-93-03-01	Exploring New Data Displays for Facility Energy Data	Haberl, J.; Belur, R.; Sparks, R.; Kiscock, K.; Campbell, S.	Link
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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-93-03-50	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 (IHEE), Submitted to the Texas Higher Education Coordination Board Energy Research Application Program Project #227, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Claridge, D. E.	Link
ESL-PA-93-10-01	An Energy Delivery Efficiency Index to Evaluate Simultaneous Heating and Cooling Effects in Large Commercial Buildings, <i>Journal of Solar Energy Engineering, ASME Transactions</i> , Vol. 116, pp. 79 – 87.	Reddy, T. A.; Kissock, J. K.; Katipamula, S.; Claridge, D. E.	Link
ESL-PA-93-10-02	Using Synthetic Data to Evaluate Multiple Regression and Principal Component Analyses for Statistical Modeling of Daily Building Energy Consumption, <i>Energy and Buildings</i> , Vol 21, pp. 35 – 44.	Reddy, T. A.; Claridge, D. E.	Link
ESL-TR-93-10-03	Summary of UTMB O&M Project: Energy Conservation Potential in Five Buildings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Athar, A.; Reddy, T. A.; Claridge, D. E.; Haberl, J.	Link
ESL-TR-93-10-04	Potential Operation and Maintenance (O&M) Savings in the Basic Science Building at UTMB, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Athar, A.; Claridge, D. E.; Reddy, T. A.; Haberl, J.	Link
ESL-TR-93-10-05	Potential Operation and Maintenance (O&M) Savings in the Clinical Science Building at UTMB, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Athar, A.; Claridge, D. E.; Reddy, T. A.; Haberl, J.	Link
ESL-TR-93-10-06	Potential Operation and Maintenance (O&M) Savings in the John Sealy South Building at UTMB, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Athar, A.; Reddy, T. A.; Houcek, J. K.; Claridge, D. E.; Haberl, J.	Link
ESL-TR-93-10-07	Potential Operation and Maintenance (O&M) Savings in the John Sealy North Building at UTMB, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Athar, A.; Reddy, T. A.; Claridge, D. E.; Haberl, J.	Link
ESL-TR-93-10-08	Potential Energy Savings from Optimized Schedule and Economizer Cycles in the Moody Library Building at UTMB, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, M.; Athar, A.; Reddy, T. A.; Claridge, D. E.; Haberl, J.	Link
ESL-TR-93-11-01	Using Fourier Series to Model Hourly Energy Use in Commercial Buildings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Dhar, A.; Reddy, T. A.; Claridge, D. E.	Link
ESL-TH-93-12-01	An Analysis of Grocery Store Energy Use, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Cox, R. L.; III	Link
ESL-TH-93-12-02	Development of Graphical Indices for Building Energy Data, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Abbas, M.	Link
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ESL-TH-93-12-08	Measuring Retrofit Savings in Commercial Buildings with Pre-Retrofit Utility Billing Data and Post-Retrofit Sub-Metered Data, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Liu, Y.	Link
ESL-TR-93-12-04	Pre-Retrofit Lighting Study at the University of Texas at Arlington, Texas, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Houcek, J. K.; Claridge, D. E.; Haberl, J.	Link
ESL-TR-93-12-09	Analysis of Energy Conservation Options for USDOE Child Development Center, Draft, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Bou-Saada, T. E.; Haberl, J.	Link
ESL-PA-93-04-01	The Effect of Short Data Periods on the Annual Prediction Accuracy of Temperature-Dependent Regression Models of Commercial Building Energy Use, <i>Proceedings of the ASME-ASES-SED International Solar Energy Conference</i> , Washington D.C.; April 25 – 28, pp. 455 – 463.	Kissock, J. K.; Reddy, T. A.; Fletcher, D.; Claridge, D. E.	Link
ESL-PA-93-04-02	A Generalized Preliminary Assessment of No-Storage Solar and Wind Grid-Intertie Systems, <i>Proceedings of the ASME-ASES-SED International Solar Energy Conference</i> , Washington D.C.; April 25 – 28.	Reddy, T. A.	Link
ESL-PA-93-04-03	Model Identification and Prediction Uncertainty of Linear Building Energy Use Models with Autocorrelated Residuals, <i>Proceedings of the ASME-ASES-SED International Solar Energy Conference</i> , Washington D.C.; April 25 – 28.	Ruch, D. K.; Kissock, J. K.; Reddy, T. A.	Link
ESL-PA-93-12-07	An Experimental Study of Two-Phase Flow of HFC-134a Through Short Tube Orifices, <i>ASME – Volume 29, Heat Pump and Refrigeration Systems Design, Analysis, and Applications ASME 1993</i> , pp. 1 – 8.	Kim, Y.; O'Neal, D. L.	Link
ESL-PA-94-01-01	A Model of the Effect of Dust on the Emissivity of Radiant Barriers, <i>ASHRAE Transactions 1994</i> , Vol. 100, Pt. 2, No. 3786, pp. 23-30.	Noboa, H.; O'Neal, D. L.; Turner, W. D.	Link
ESL-PA-94-01-04	The Functional Basis of Thermal Energy Use in Air-Side HVAC Equipment, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 117, pp. 31-39.	Reddy, T. A.; Katipamula, S. K.; Claridge, D. E.	Link
ESL-PA-94-01-05	Two-Phase Flow of R-22 through Short-Tube Orifices, <i>ASHRAE Transactions: Research</i> , Vol. 100, Pt. 1.	Kim, Y.; O'Neal, D. L.	Link
ESL-PA-94-02-01	The Effect of Void Fraction Model on Estimation of Air Conditioner System Performance Variables Under a Range of Charging Conditions, <i>International Journal of Refrigeration</i> , Volume 17, No. 2, pp. 85-93, February, 1994.	Farzad, M.; O'Neal, D.	Link
ESL-TR-94-02-01	Phase A: Initial Development of an Advanced Diagnostic Procedure for Air-Side Retrofits in Commercial Buildings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Reddy, T. A.; Kissock, J. K.; Katipamula, S.; Claridge, D. E.	Link
ESL-TR-94-03-04	An Overview of Measured Energy Retrofit Savings Methodologies Developed in the Texas LoanSTAR Program, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Reddy, T. A.; Kissock, J. K.; Katipamula, S.; Ruch, D. K.; Claridge, D. E.	Link
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ESL-HH-94-05-35	Designing a Thermal Energy Storage Program for Electric Utilities	Niehus, T. L.	Link
ESL-HH-94-05-36	A Successful Cool Storage Rate	Ahrens, A. C.; Sobey, T. M.	Link
ESL-HH-94-05-37	Thermal Storage with Conventional Cooling Systems	Kieninger, R. T.	Link
ESL-HH-94-05-38	Model Code for the Prevention of Residential HAC Distribution System Leakage and HAC-Induced Building Leakage, 1994 Edition	Wemhoff, P.	Link
ESL-HH-94-05-39	Measured Natural Cooling Enhancement of a Whole House Fan	Parker, D. S.	Link
ESL-PA-94-06-01	Predicting Hourly Building Energy Use: The Great Energy Predictor Shootout – Overview and Discussion of Results, <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2, pp. 1104-1118.	Kreider, J. F.; Haberl, J.	Link
ESL-PA-94-06-02	Predicting Hourly Building Energy Usage: The Results of the 1993 Great Energy Predictor Shootout Identify the Most Accurate Method for Making Hourly Energy Use Predictions, <i>ASHRAE Journal</i> , Vol. 35, No. 3, pp. 72 – 81.	Kreider, J. F.; Haberl, J.	Link
ESL-PA-94-06-03	Generalization of the Fourier Series Approach to Model Hourly Energy Use in Commercial Buildings, <i>ASME Journal of Solar Energy Engineering</i> , Vol 121, pp. 54-62, 1994.	Dhar, A.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-94-06-05	Two-Phase Flow of HFC-134a and CFC-12 Through Short-Tube Orifices, <i>ASHRAE Transactions: Symposia</i> , Vol. 100, Pt. 2.	Kim, Y.; O'Neal, D. L.; Yuan, X.	Link
ESL-PA-94-07-02-1	Bayesian Nonlinear Modeling for the Prediction Competition, from "The Great Energy Predictor Shootout I: Measuring Retrofit Energy Savings," <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2.	MacKay, D. J. C.	Link
ESL-PA-94-07-02-2	Predicting System Loads with Artificial Neural Networks – Methods and Results from "The Great Energy Predictor Shootout: Measuring Retrofit Energy Savings," <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2.	Ohlsson, M. B. O.; Peterson, C. O.; Pi, H.; Rognvaldsson, T. S.; Soderberg, B. P. W.	Link
ESL-PA-94-07-02-3	Generalized Nonlinear Regression with Ensemble of Neural Nets: "The Great Energy Predictor Shootout: Measuring Retrofit Energy Savings," <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2.	Feuston, B. P.; Thurtell, J. H.	Link
ESL-PA-94-07-02-4	Using Artificial Neural Nets to Predict Building Energy Parameters, from "The Great Energy Predictor Shootout I: Measuring Retrofit Energy Savings," <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2.	Stevenson, W. J.	Link
ESL-PA-94-07-02-5	A Piecewise-Linear Regression on the ASHRAE Time-Series Data, from "The Great Energy Predictor Shootout I: Measuring Retrofit Energy Savings," <i>ASHRAE Transactions</i> , Vol. 100, Pt. 2.	Iijima, M.; Takagi, K.; Takeuchi, R.; Matsumoto, T.	Link

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

ESL-PA-95-02-01	The Functional Basis of Steady-State Thermal Energy Use in Air-Side HVAC Equipment, <i>Journal of Solar Energy Engineering, ASHRAE Transactions</i> , Vol. 117, pp. 31 – 39.	Reddy, T. A.; Katipamula, S.; Kisoock, J. K.; Claridge, D. E.	Link
ESL-PA-95-03-01	Thermal Energy Measurement with Tangential Paddlewheel Flow Meters: Summary of Experimental Results and In-Situ Diagnostics, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 2, pp. 741 – 750.	Haberl, J.; Watt, J.	Link
ESL-TR-95-03-01	Cool Storage Applications in the Texas LoanStar Program: Overview and Preliminary Results, <i>Energy Systems Laboratory, Texas A&M University</i> .	Abbas, M.; Haberl, J.; Turner, W. D.	Link
ESL-PA-95-04-01	Bias in Predicting Annual Energy Use in Commercial Buildings with Regression Models Developed from Short Data Sets, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 99 – 110.	Katipamula, S.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-95-04-02	A Bin Method for Calculating Energy Conservation Retrofit Savings in Commercial Buildings, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 111 – 123.	Thamilseran, S.; Haberl, J.	Link
ESL-PA-95-04-03	Empirical Correlations Between Annual Cost Savings and Implementation Costs for Various Categories of Energy Conservation Retrofit Projects in Commercial Buildings, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19–24, Vol. 1, pp. 135–144.	Saman, N. F.; Britton, A. J.; Reddy, T. A.; Heffington, W. M.	Link
ESL-PA-95-04-04	An Artificial Neural Network with Wavelet Basis Functions to Predict Hourly Heating and Cooling Energy Use in Commercial Buildings with Temperature as the Only Weather Variable, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 145 – 156.	Dhar, A.; Claridge, D. E.; Ruch, D.	Link
ESL-PA-95-04-05	Recurrent Neural Networks for Building Energy Use Prediction and System Identification – a Progress Report, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 157 – 165.	Kreider, J. F.; Claridge, D. E.; Curtiss, P.; Dodier, R.; Haberl, J.; Krarti, M.	Link
ESL-PA-95-04-06	Cool Storage Applications in the Texas LoanSTAR Program: Overview and Preliminary Results, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 187 – 195.	Abbas, M.; Haberl, J.; Turner, W. D.	Link
ESL-PA-95-04-07	Application of Calibrated HVAC System Models to Identify Component Malfunctions and to Optimize the Operation and Control Schedules, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 209 – 217.	Liu, M.; Claridge, D. E.	Link
ESL-PA-95-04-08	Heat Flux Error of Steady-State Method for Building Components under Dynamic Conditions, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 219 – 227.	Liu, M.; Claridge, D. E.	Link
ESL-PA-95-04-09	Development of a Transient Heat and Mass Transfer Model of Residential Attics Used to Simulate Radiant Barrier Retrofits, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 253 – 263.	Medina, M. A.; O’Neal, D. L.; Turner, W. D.	Link
ESL-PA-95-04-10	Modeling the Delay Hot/Cold Water Problem, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 265 – 271.	Saman, N. F.; Mahdi, H.	Link
ESL-PA-95-04-11	The USDOE Forrestal Building Lighting Retrofit: Preliminary Analysis of Electricity Savings, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 295 – 304.	Haberl, J.; Bou Saada, T. E.; Vajda, E. J.; Shincovich, M.; D’Angelo III, L. A.; Harris, L.	Link
ESL-PA-95-04-12	A Modified Analytical Method for Simulating Cyclic Operation of Vertical U-Tube Ground-Coupled Heat Pumps, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 69 – 76.	Dobson, M. K.; O’Neal, D. L.; Aldred, W.	Link
ESL-PA-95-04-13	Effect of a Ninety Degree Elbow on the Accuracy of a Non-Magnetic, Insertion Paddle Wheel Flowmeter, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 2, pp. 731 – 740.	Parker, B.; O’Neal, D. L.	Link
ESL-PA-95-04-15	A Fourier Series Model to Predict Hourly Heating and Cooling Energy Use in Commercial Buildings with Outdoor Temperature as the Only Weather Variable, <i>Solar Engineering 1995: Proceedings of the 1995 ASME/JSME/JSES International Solar Energy Conference</i> , Maui, HI, March 19 – 24, Vol. 1, pp. 125 – 134.	Dhar, A.; Reddy, T. A.; Claridge, D. E.	Link
ESL-IE-95-04-01	Energy Purchasing/Marketing Strategies - Energy Service Agreement	Filak, J. J.; Jr.	Link
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ESL-IE-95-04-12	Applications of Mechanical Vapor Recompression to Evaporation and Crystallization	Outland, J.	Link
ESL-IE-95-04-13	First Year Analysis of Industrial Energy Conservation/Management of The Texas A&M University - Kingsville Energy Analysis and Diagnostic Center	Medina, M. A.; Elkassabgi, Y.	Link
ESL-IE-95-04-14	Impact of the Texas A&M University Industrial Assessment Center on Energy Conservation Behavior of Small to Medium-Sized Manufacturing Firms	Eggebrecht, J. A.	Link
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ESL-IE-95-04-44	Cooling Towers Make Money	Burger, R.	Link
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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 1995</i> , 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 1995</i> , 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 1995</i> , 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
ESL-IE-97-04-02	Case Study: Georgia-Pacific Reduces Outside Fuel Costs and Increases Process Efficiency with Insulation Upgrade Program	Jackson, D.	Link
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ESL-IE-97-04-05	Capturing Energy Savings with Steam Traps	Bockwinkel, R.; French, S.	Link
ESL-IE-97-04-06	The US Motor Systems Market Assessment: Baseline and Survey Methods	Rosenberg, M.	Link
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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, Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.	Payne, W. V.	Link
ESL-TR-97-06-01	Lighting Survey Results at the Langford Architecture Center and Estimated Savings by Delamping, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&M University.</i>	Soebarto, V. I.; Haberl, J.; Degelman, L. O.	Link
ESL-PA-97-07-01	Baselining Methodology for Facility-Level Monthly Energy Use – Part 1: Theoretical Aspects, <i>ASHRAE Transactions</i> 1997, Vol. 103, Pt. 1	Reddy, T. A.; Haberl, J.; Saman, N. F.; Turner, W. D.; Claridge, D. E.; Chalifoux, A. T.	Link
ESL-PA-97-07-02	Baselining Methodology for Facility-Level Monthly Energy Use – Part 2: Application to Eight Army Installations, <i>ASHRAE Transactions</i> 1997, Vol. 103, Pt. 2.	Reddy, T. A.; Haberl, J.; Saman, N. F.; Turner, W. D.; Claridge, D. E.; Chalifoux, A. T.	Link
ESL-TH-97-08-01	A Methodology for in-situ Calibration of Steam Boiler Instrumentation, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Wei, Guanghua	Link
ESL-PA-97-09-01	New Educational Software for Teaching the Sunpath Diagram and Shading Mask Protractor, <i>Proceedings of the 1997 IBPSA Building Simulation Conference</i> , Prague, Czech Republic, September.	Oh, J. K. W.; Haberl, J.	Link
ESL-PA-97-09-03	The Influence of Orifice Size on the Mass Flow During Flash Boiling of HCFC-22 from a Small Vessel, <i>ASME Journal of Energy Resources Technology</i> , Vol. 119, No. 3, pp. 193-199, September 1997.	Nutter, D.W.; O'Neal, D. L.	Link
ESL-TR-97-09-01	Task #3: Audit of Lone Star Gas Invoices and Billing Procedures, <i>Energy Systems Laboratory, Texas A&M University.</i>	Turner, W. D.; Liu, M.	Link
ESL-PA-97-11-01	Experimental Investigation of Steel Spheres as a Passive Enhancement Technique for Flash Boiling of HCFC-22, <i>Experimental Thermal and Fluid Science</i> , Vol. 15, No. 4, pp. 336-346, Nov. 1997.	Nutter, D.W.; O'Neal, D. L.	Link
ESL-TR-97-11-01	Determining Long-Term Performance of Cool Storage Systems from Short-Term Tests, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Claridge, D. E.; Reddy, T. A.; Elleson, J.	Link
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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</i> : Research, Vol. 104, Pt.1, pp. 197-209, January 1998.	Payne, V. W.; O'Neal, D. L.	Link
ESL-TR-98-03-01	Determining Long-Term Performance of Cool Storage Systems from Short-Term Tests, <i>Energy Systems Laboratory, Texas A&M University.</i>	Reddy, T. A.; Elleson, J.; Haberl, J. S.; Claridge, D. E.	Link
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ESL-PA-98-05-01	Use of Calibrated HVAC System Models to Optimize System Operation, <i>J. Solar Energy Engineering</i> , May, Vol. 120, pp. 131-138.	Liu, M.; Claridge, D. E.	Link
ESL-TH-98-05-01	Development of Pre-Screening Indices to Improve Energy Analysis of Public K-12 Schools, <i>Masters Thesis, Department of Mechanical Engineering, Energy Systems Laboratory, Texas A&M University.</i>	Landman, D. S.	Link
ESL-TH-98-05-04	Sources of Error in Chilled and Hot Water Metering at Shared Sites: Differential Pressure Transmitters and Flowmeter Installation, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Corley, M.	Link
ESL-PA-98-06-01	Development of an Equivalent Diameter Expression for Vertical U-Tubes Used in Ground-Coupled Heat Pumps, <i>ASHRAE Transactions: Research</i> , Vol. 104, Pt. 2, June 1998.	Gu, Y.; O'Neal, D.L.	Link
ESL-PA-98-06-02	Modeling the Effect of Backfills on U-Tube Ground Coil Performance, <i>ASHRAE Transactions: Research</i> , Vol. 104, Pt. 2, June 1998.	Gu, Y.; O'Neal, D.L.	Link
ESL-PA-98-06-03	Program Overview: The Texas LoanSTAR Program; 1989-August 1997	Turner, W. D.; Claridge, D. E.; O'Neal, D. L.; Haberl, J.; Heffington, W. M.; Harvey, T.; Sifuentes, T.	Link
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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.; Thamiseran, S.; Reddy, T. A.; Claridge, D. E.; O'Neal, D. L.; Turner, W. D.	Link
ESL-PA-98-08-01	Modeling Hourly Energy Use in Commercial Buildings with Fourier Series Functional Forms, <i>Journal of Solar Energy Engineering</i> , Vol. 120, pp. 217-223.	Dhar, A.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-98-08-02	Ambient-Temperature Regression Analysis for Estimating Retrofit Savings in Commercial Buildings, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 120, pp. 168-176.	Kissock, J. K.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-98-08-03	A Perspective on Methods for Analysis of Measured Energy Data from Commercial Buildings, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 120, pp. 150-155.	Claridge, D. E.	Link
ESL-PA-98-08-04	Development of Graphical Indices for Viewing Building Energy Data: Part I, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 120, pp. 156-161.	Haberl, J.; Abbas, M.	Link
ESL-PA-98-08-05	Development of Graphical Indices for Viewing Building Energy Data: Part II, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 120, pp. 162-167.	Haberl, J.; Abbas, M.	Link
ESL-PA-98-08-06	Procedures for Calibrating Hourly Simulation Models to Measured Building Energy and Environmental Data, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 120, pp.193-204.	Haberl, J.; Bou-Saada, T. E.	Link
ESL-PA-98-08-07	Multivariate Regression Modeling, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 120, pp. 177-184.	Katipamula, S.; Reddy, T. A.; Claridge, D. E.	Link
ESL-PA-98-08-08	An Evaluation of Residential Energy Conservation Options Using Side-by-Side Measurements of Two Habitat for Humanity Houses in Houston, Texas, <i>Proceedings of the 1998 ACEEE Summer Study on Energy Efficiency in Buildings</i> , pp. 1.115-1.134.	Haberl, J.; Bou-Saada, T.; Reddy, A.; Soebarto, V.	Link
ESL-PA-98-11-01	A Case Study of an Industrial Assessment Center Extended Assessment, <i>Proceedings of the 21st World Energy Engineering Congress</i> , Atlanta, GA, pp. 13-21, November 1998.	Heffington, W. M.; Eggebrecht, J. A.; Gafford, G. D.; Farouz, H. E.	Link
ESL-TR-98-11-01	Rebuild America Program – Brazos Valley Energy Conservation Coalition – Quarterly Progress Report for July – September 1998, <i>Energy Systems Laboratory, Texas A&M University</i> .	Yazdani, B.; Haberl, J.; Turner, W. D.; Claridge, D. E.	Link

ESL-TH-98-12-01	A Methodology to Develop Monthly Energy Use Models from Utility Billing Data for Seasonally Scheduled Buildings: Application to Schools, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Wang, W.	Link
ESL-TR-98-12-01	Energy Analysis, Baseline and Modeling of Prairie View A&M University Campus, <i>Energy Systems Laboratory, Texas A&M University.</i>	Abushakra, B.; Haberl, J.; Claridge, D. E.; Eggebrecht, J.; Carlson, K.	Link
ESL-PA-98-01-04	Visualization Study of Enhanced Flash Boiling of HCFC-22 with 5 mm Steel and Glass Spheres, <i>ASHRAE Transactions: Research</i> , Vol. 104, Pt. 1, pp. 734-741, January 1998.	Nutter, D.W.; O'Neal, D. L.	Link
ESL-PA-98-02-01	A Transient Heat and Mass Transfer Model of Residential Attics Used to Simulate Radiant Barrier Retrofits - Part I: Development, <i>ASME Journal of Solar Energy Engineering</i> , Vol 120, No. 1, pp. 32-38, Feb. 1998.	Medina, M. A.; O'Neal, D. L.; Turner, W. D.	Link
ESL-TR-99-01-01	Development of Energy-Efficient Housing for Low-Income Texas Residents, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Kootin-Sanwu, V.	Link
ESL-TR-99-03-01	Sample M&V Plan from the Texas Workshop "Preparing and Evaluating Measurement and Verification Plans for Energy Performance Contracts in Texas", <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.	Link
ESL-PA-99-04-02	Modeling the transient outlet pressure and mass flow during flashing of HCFC-22 in a small non-adiabatic vessel, <i>Mathematical and Computer Modeling</i> , Vol. 29, pp. 105-116, No. 2, 1999.	D. W. Nutter, and D.L. O'Neal, D. L.	Link
ESL-PA-99-05-02	An Analysis of Two Industrial Assessment Center Extended Assessments	Farouz, H. E.; Gafford, G. D.; Eggebrecht, J. A.; Heffington, W. M.	Link
ESL-TH-99-05-02	An Inverse Bin Methodology to Measure the Savings from Energy Conservation Retrofits in Commercial Buildings, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Thamilseran, S.	Link
ESL-TR-99-05-01	Compilation of Diversity Factors and Schedules for Energy and Cooling Load Calculations, ASHRAE Research Project 1093, Preliminary Report, Literature Review and Database Search, <i>Energy Systems Laboratory, Texas A&M University.</i>	Abushakra, B.; Haberl, J.; Claridge, D. E.	Link
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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
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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
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ESL-IE-99-05-50	Motor Energy Saving Opportunities in an Industrial Plant	Kumar, B.	Link
ESL-PA-99-06-01	Multiphase Flow of Refrigerant 410A through Short Tube Orifices, <i>ASHRAE Transactions</i> : Research, Vol. 105, Pt. 2, pp. 66-74, June, 1999.	Payne, V. W.; O'Neal, D. W.	Link
ESL-PA-99-07-01	Engineering Uncertainty Analysis in the Evaluation of Energy and Cost Savings of Cooling System Alternatives Based on Field-Monitored Data, <i>ASHRAE Transactions</i> 1999 , Vol. 105, Pt. 2.	Reddy, T. A.; Haberl, J.; Elleson, J. S.	Link
ESL-TH-99-08-01	A Methodology for Baselineing the Energy Use at Large Campus Utility Plants for the Purpose of Measuring Energy Savings from Energy Conservation Retrofits, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Beasley, R. C.	Link
ESL-TH-99-08-02	A Real Time Self-Tuning Algorithm for PI Control of the Heating and Cooling Coils of Buildings, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Zhou, Q.	Link
ESL-TH-99-12-01	An Analysis of the Benefits of Photovoltaic-Coated Glazing on Owning and Operating Costs of High Rise Commercial Buildings, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University.</i>	Sylvester, K. E.	Link
ESL-TH-99-12-02	Rehabilitating Missing Energy Use and Weather Data When Determining Retrofit Energy Savings in Commercial Buildings, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Chen, H.	Link
ESL-TH-99-12-03	The Research and Development of Damage Tolerant Carbon Fiber Composites Masters Thesis, <i>Department of Mechanical Engineering, Texas A&M University.</i>	Miranda, J.	Link
ESL-TR-99-12-01	Compilation of Diversity Factors and Schedules for Energy and Cooling Load Calculations -- Identified Relevant Data Sets, Methods, and Variability Analysis, ASHRAE Research Project 1093, Phase II Report, <i>Energy Systems Laboratory, Texas A&M University</i> .	Abushakra, B.; Haberl, J.; Claridge, D. E.	Link
ESL-TR-99-12-02	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation At Tarleton State University (TSU), Stephenville, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Bryant, J.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-03	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at Texas A&M International University (TAMU) Laredo, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-04	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at Texas A&M University - Corpus Christi (TAMU-CC) Corpus Christi, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-05	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at Texas A&M University at Galveston (TAMU-G) Galveston, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-06	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at the West Texas A&M University (WTAM-U) Canyon, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Bryant, J.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-07	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at the Texas A&M University -- Kingsville (TAMU-K) Kingsville, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Bryant, J.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-08	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at the Texas A&M University -- Texarkana (TAMU-T) Texarkana, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Turner, W. D.; Claridge, D. E.	Link
ESL-TR-99-12-09	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at the Texas A&M University at Commerce (TAMU-Commerce) Commerce, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Wei, G.; Campbell, C.; Claridge, D. E.; Turner, W. D.	Link
ESL-TR-99-12-10	Report of Energy Efficiency Study and Metering/Utilities Profile for Electricity Deregulation at Prairie View A&M University (PVAMU) Prairie View, Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Zhu, Y.; Claridge, D. E.; Giebler, T.; Abushakra, B.; Turner, W. D.	Link
ESL-TR-99-12-11	Determining Long-Term Performance of Cool Storage Systems from Short-Term Tests, Progress Report, 6-99, Revised 12-99, <i>Energy Systems Laboratory, Texas A&M University.</i>	Reddy, A.; Elleson, J.; Haberl, J.; Claridge, D. E.	Link
ESL-PA-00-01-01	Architectural Graphic Standards 10th Edition pp. 711-736	Hoke, J. R.	Link
ESL-TR-00-01-01	An Exploratory Initiative for Improving Low-Cost Housing in Texas, <i>Energy Systems Laboratory, Texas A&M University.</i>	McKittrick, T. L.; Haberl J. S.; Graham, C. W.; Claridge, D. E.; Swain, W. B.	Link
ESL-TR-00-01-02	Determining Long-Term Performance of Cool Storage Systems from Short-Term Tests, Case Study #1: Application of the Lumped Model Approach to a Large Hotel in San Francisco, 1-00, Revised 3-00, Final Revision 8-00, <i>Energy Systems Laboratory, Texas A&M University.</i>	Reddy, A.; Elleson, J.; Haberl, J.	Link
ESL-TR-00-02-01	Program Overview: The Texas LoanSTAR Program; 1989-October 1999, A 10-Year Experience, <i>Energy Systems Laboratory, Texas A&M University</i> .	Turner, W. D.; Claridge, D. E.; O'Neal, D. L.; Haberl, J.; Heffington, W. M.	Link
ESL-TR-00-03-01	Data Visualization for Quality-Check Purposes of Monitored Electricity Consumption in All Office Buildings in the ESL Database, <i>Energy Systems Laboratory, Texas A&M University.</i>	Sreshthaputra, A.; Abushakra, B.; Haberl, J.; Claridge, D. E.	Link
ESL-PA-00-04-01	Energy and Demand Savings from Implementation Costs in Industrial Facilities	Razinha, J. A.; Heffington, W. M.	Link
ESL-PA-00-04-02	Building Integrated Photovoltaics: An Analysis of the Benefits of Photovoltaic Coated Glazing in Commercial Buildings, <i>Proceedings of the 36th Conference of the Associated Schools of Construction</i> , Purdue University, West Lafayette, Indiana, pp. 307-319.	Sylvester, K. E.; Haberl, J.	Link
ESL-IE-00-04-01	Freeze Concentration Applied to Hazardous Waste Management	Ruemekorf, R.	Link
ESL-IE-00-04-02	A Novel New Approach to VOC and HAPS Emission Control	McGinness, M.	Link
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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
ESL-HH-00-05-17	ASHRAE's Residential Ventilation Standard: Exegesis of Proposed Standard 62.2	Sherman, M.	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
ESL-HH-00-05-29	Best Practice Upgrades for New Energy Efficient Homes in Hot and Humid Climates	Meisegeier, D.; Hall, J.	Link
ESL-HH-00-05-30	Enhanced Software for Displaying Orthographic, Stereographic, Gnomonic and Cylindrical Projections of the Sunpath Diagram and Shading Mask Protractor, <i>Proceedings of the 12th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Texas Building Energy Institute, San Antonio, Texas (May), pp. 234-247.	Oh, K. W.; Haberl, J.; Degelman, L. O.	Link
ESL-HH-00-05-31	Development of Simplified Calculations for a Multipyranometer Array for the Measurement of Direct and Diffuse Solar Radiation, <i>Proceedings of the 12th Symposium on Improving Building Systems in Hot and Humid Climates</i> , Texas Building Energy Institute, San Antonio, Texas (May), pp. 248-259.	Munger, B. K.; Haberl, J.	Link
ESL-HH-00-05-32	Below Canopy Meteorological Measurements at Three Florida Sites with Varying Tree Cover and Development	Sonne, J. K.; Vieira, R. K.	Link
ESL-HH-00-05-33	Development of a High Efficiency Ceiling Fan	Parker, D. S.; Callahan, M. P.; Sonne, J. K.; Su, G. H.; Hibbs, B. D.	Link
ESL-HH-00-05-34	Optimization Control Strategies for HVAC Terminal Boxes	Zhu, Y.; Batten, T.; Noboa, H.; Claridge, D. E.; Turner, W. D.; Liu, M.; Zhou, J.; Cameron, C.; Keeble, D.; Hirschak, R.	Link
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ESL-HH-00-05-48	A Sustainable Medical Center in Texas	Pfeiffer, P. L.; Miller, B.	Link
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ESL-HH-00-05-52	Lessons Learned From the Continuous Commissioning of a Multi-Functional Commercial Building	Liu, C.; Deng, S.; Claridge, D. E.; Turner, W. D.	Link
ESL-TR-00-06-01	Compilation of Diversity Factors and Schedules for Energy and Cooling Load Calculations, ASHRAE Research Project 1093, Phase III Draft Report, Compilation of Diversity Factors and Load Shapes, <i>Energy Systems Laboratory, Texas A&M University</i> .	Abushakra, B.; Haberl, J.; Claridge, D. E.; Sreshthaputra, A.	Link
ESL-PA-00-08-01	Program Overview: The Texas LoanSTAR Program, 1989 – October 1999, A 10-Year Experience, <i>Proceedings of the 2000 ACEEE Summer Study on Energy Efficiency in Buildings</i> , Vol. 4, pp. 4.365 – 4.376.	Turner, W. D.; Claridge, D. E.; O'Neal, D. L.; Haberl, J.; Heffington, W. M.; Taylor, D.; Sifuentes, T.	Link

ESL-PA-00-08-02	Rebuild America Program in Texas: Update on the Brazos Valley Energy Conservation Coalition, <i>Proceedings of the 2000 ACEEE Summer Study on Energy Efficiency in Buildings</i> , Vol. 4, pp. 4.117 – 4.130.	Haberl, J.; Yazdani, B.; Culp, C.; Turner, D.; Claridge, D.; Meyers, M.	Link
ESL-TH-00-08-02	The Effect of a 90° Elbow on the Accuracy of Liquid Flow Measurement with an Insertion Flowmeter, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Woo, S.	Link
ESL-TH-00-08-03	Modeling of Refrigerant Flow Through Flexible Short Tube Orifices, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Abdel Ghani, R.	Link
ESL-TR-00-08-01	Determining Long-Term Performance of Cool Storage Systems from Short-Term Tests, Final Report, <i>Energy Systems Laboratory, Texas A&M University</i> , Revised January 2001.	Reddy, T. A.; Elleson, J.; Haberl, J.	Link
ESL-TR-00-11-01	Vending Machine Energy Consumption and VendingMiser Evaluation, <i>Energy Systems Laboratory, Texas A&M University</i> .	Ritter, J.; Huggins, J.	Link
ESL-TH-00-12-01	Improving the Reliability and Accuracy of A Multipyranometer Array Measuring Solar Radiation, <i>Masters Thesis, Department of Architecture, Texas A&M University</i> .	Klima, P. M.	Link
ESL-TH-00-12-03	Study of Cubic Splines and Fourier Series as Interpolation Techniques for Filling in Short Periods of Missing Building Energy Use and Weather Data, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Baltazar-Cervantes, J. C.	Link
ESL-PA-01-01-01	Handbook of Heating, Ventilation and Air Conditioning, <i>CRC Press LLC</i> , New York, N.Y., pp. 6.53-6.99 .	Huang, J.; Haberl, J.; Kreider, J. F.	Link
ESL-TR-01-02-02	Air-Side Energy Use Calculations for Four HVAC Systems: Dual Duct Constant Volume (DDCAV), Dual Duct Variable Volume (DDVAV), Constant Volume with Reheat (CAVRH), Variable Volume with Reheat (VAVRH), Four Pipe Fan Coil Unit (FC), Four Pipe Induction Unit (FI), and Single Zone (SZ) Systems, Revised June 2002, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S., Saman, N.; Bou-Saada, T.	Link
ESL-TR-01-03-01	Air-Side Energy Use Calculations for Four HVAC Systems: Dual Duct Constant Volume (DDCAV), Dual Duct Variable Volume (DDVAV), Constant Volume with Reheat (CAVRH0), Variable Volume with Reheat (VAVRH), March 2001, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.	Link
ESL-PA-01-04-01	Development of a Computer Model for Solar Simulation and Shaded Fenestration Design, <i>Procedings of the ASME Solar Engineering Conference</i> , April 21-25, 2001, Washington, DC.	Kie-Whan Oh, J.; Haberl, J.; Degelman, L. O.	Link
ESL-TR-01-04-01	Compilation of Diversity Factors and Schedules for Energy and Cooling Load Calculations, ASHRAE Research Project 1093-RP, Final Report, <i>Energy Systems Laboratory, Texas A&M University</i> .	Abushakra, B.; Sreshthaputra, A.; Haberl, J.; Claridge, D. E.	Link
ESL-TH-01-05-01	Short-Term Monitoring, Long-Term Prediction of Building Energy Use, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Abushakra, B.	Link
ESL-TH-01-05-02	Evaluation of Fin Staging Methods for Minimizing Coil Frost Accumulation, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Watters, R.	Link
ESL-TH-01-05-03	Simulation and optimization of cogeneration power plant operation using an Energy Optimization Program, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Zhou, J.	Link
ESL-TR-01-05-01	Development of a Toolkit for Calculating Linear, Change-Point Linear and Multiple-Linear Inverse Building Energy Analysis Models, ASHRAE Research Project 1050-RP, Detailed Test Results, <i>Energy Systems Laboratory, Texas A&M University</i> .	Sreshthaputra, A.; Haberl, J.; Claridge, D. E.	Link
ESL-IE-01-05-01	The Steam System Scoping Tool: Benchmarking Your Steam Operations Through Best Practices	Wright, A.; Hahn, G.	Link
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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	Russell, C.	Link
ESL-PA-01-06-02	Effect of Fin Staging on Frost/Defrost Performance of a Two-Row Heat Pump Evaporator under Heavy Frosting Conditions, <i>ASHRAE Transactions: Research</i> , Vol. 107, Pt. 2, June 2001.	Kumana, J. D.	Link
ESL-PA-01-07-01	Extended Industrial Energy Assessments Supported by Monitoring, <i>American Council for an Energy Efficient Economy Summer Study</i> , Tarrytown, New York, Vol. 2, pp. 339-350.	Watters, R. J.; O'Neal, D. L.; Yang, J.	Link
ESL-TR-01-06-01	HVAC Data Visualization: Past, Present, & Future, <i>ASHRAE Seminar 46, Cincinnati Meeting</i> , 2001.	Heffington, W. M.; Eggebrecht, J. A.	Link
ESL-IC-01-07-01	Continuous Commissioning: A Valuable Partner to Retrofit Projects	Haberl, J.	Link
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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).	Wang, G.; Liu, M.	Link
ESL-IC-01-07-23	Demand Relief and Weather Sensitivity in Large California Commercial Office Buildings	Haberl, J.; Sreshthaputra, A.; Claridge, D.; Turner, D.; Harmon, K.; Kisselburgh, J.; Mase, R.	Link
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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).	Bryant, J. A.; Perez, R.	Link
ESL-IC-01-07-28	Development of Load Forecasting Procedures for the Texas A&M University System, <i>Proceedings of the 1st International Conference for Enhanced Building Operation</i> , Austin, Texas, pp. 247-254 (July).	Farouz, S.; Baltazar-Cervantes, J. C.; Haberl, J.; Claridge, D.	Link
ESL-IC-01-07-29	Accounting for the Occupancy Variable in Inverse Building Energy Baseline Models	Baltazar, J.C.; Lim, C.; Haberl, J.; Turner, W. D.; Claridge, D.	Link
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ESL-IC-01-07-32	Evaluation of Emerging Diagnostic Tools for Commercial HVAC Systems	Joo, I. S.; Liu, M.	Link
ESL-TH-01-08-01	A Study of Industrial Equipment Energy Use and Demand Control, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Friedman, H.; Piette, M. A.	Link
ESL-TR-01-09-01	Energy Savings Report For Dallas County July 2000 – June 2001, <i>Energy Systems Laboratory, Texas A&M University</i>	Dooley, E. S.	Link
ESL-TR-01-10-01	Retrofit Savings Determination for Wichita Falls Independent School District, <i>Energy Systems Laboratory, Texas A&M University</i>	Claridge, D. E.; Baltazar, J.C.-C.; Zhu, Y.	Link
ESL-TR-01-10-02	Retrofit Savings for Brazos County, <i>Energy Systems Laboratory, Texas A&M University</i>	Shao, X.; Baltazar, J.C.-C.; Claridge, D. E.	Link
ESL-TR-01-11-01	Internet Polling Development Report, <i>Energy Systems Laboratory, Energy Systems Laboratory, Texas A&M University</i> .	Baltazar, J.C.-C.; Shao, X.; Claridge, D. E.	Link
ESL-TR-01-12-01	Access and Display of LoanSTAR Data via the Internet, <i>Energy Systems Laboratory, Texas A&M University</i> .	Klima, P.; Lockhart, D.; Haberl, J.	Link

ESL-TR-01-12-02	Internet Datalogging and Display, <i>Energy Systems Laboratory, Texas A&M University.</i>	Sweeney, J.; Jr.; Culp, C.; Haberl, J.	Link
ESL-TH-01-12-01	The Effects of Galvanic Corrosion on Air Conditioner Performance, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Grisham, P.	Link
ESL-PA-01-07-03	Functional-based Flow Modeling and Animation, <i>Journal of Visualization and Computer Animation</i> , Vol. 12, pp. 181-189.	Akleman, E.; Melek, Z.; Haberl, J. S.	Link
ESL-PA-02-01-01	Field Monitoring and Data Validation for Evaluating the Performance of Cool Storage Systems, <i>ASHRAE Transactions-Research</i> , 2002, Vol. 108, Pt. 1, pp. 1072-1084	Elleson, J. S.; Haberl, J.; Reddy, T. A.	Link
ESL-PA-02-01-02	Methodology Development for Determining Long-Term Performance of Cool Storage Systems from Short-Term Tests, <i>ASHRAE Transactions-Research</i> , 2002, Vol.108, Pt. 1. pp. 1085-1103	Reddy, T. A.; Elleson, J. S.; Haberl, J.	Link
ESL-PA-02-01-03	Development of a Methodology for Baselineing the Energy Use of Large Multi-Building Central Plants, <i>ASHRAE Transactions-Research</i> , Vol.108, Pt. 1. pp. 251-259.	Beasley, R.; Haberl, J.; Turner, W. D.; Claridge, D. E.	Link
ESL-PA-02-01-04	A Numerical Study of Pressure Distribution and Flow through Rigid Short-tube Orifices, <i>ASHRAE Transactions: Research</i> , Vol. 108, Pt. 1, pp. 128-133, January, 2002.	Bassiouny, R.; O'Neal, D. L.	Link
ESL-PA-02-01-05	Control-Oriented Modeling and Analysis of Automotive Transcritical AC System Dynamics, <i>American Control Conference</i>	Rasmussen, B.; Alleyne, A.; Bullard, C.; Hrnjak, P.; Miller, N.	Link
ESL-PA-02-01-06	A Control-Oriented Model of Transcritical Air-Conditioning System Dynamics, <i>Society of Automotive Engineers 2002 World Congress</i>	Rasmussen, B.; Musser, A.; Alleyne, A.; Bullard, C.; Hrnjak, P.; Miller, N.	Link
ESL-TR-02-01-01	Chilled Water System Hydraulic Study for The University of Texas at San Antonio, <i>Energy Systems Laboratory, Texas A&M University.</i>	Xu, C.; Chen, Q.; Deng, S.; Turner, D.	Link
ESL-TR-02-01-02	Sustainability Assessment of the Robert E. Johnson State Office Building, Final Report, Revised April 2002, <i>Energy Systems Laboratory, Texas A&M University.</i>	Sylvester, K. E.; Song, S.; Haberl, J.; Turner, W. D.	Link
ESL-PA-02-02-01	Return Air Leakage Impact on Air Conditioner Performance in Humid Climates, <i>ASME Journal of Solar Energy Engineering</i> , Vol. 124, No. 1, pp. 63-69, February, 2002.	D. L. O'Neal, A. Rodriguez, M. Davis, and S. Kondepudi	Link
ESL-TR-02-02-01	Automated Data Quality Analysis Research and Development, <i>Energy Systems Laboratory, Texas A&M University.</i>	Sweeney, J.; Jr.; Haberl, J.	Link
ESL-PA-02-04-01	Refrigerant Flow through Flexible Short-tube Orifices, <i>International Journal of HVAC&R Research</i> , Vol. 8, No. 2, pp. 179-190, April, 2002.	Y.C. Kim, D.L. O'Neal, W.V. Payne, and M. Farzad	Link
ESL-TR-02-04-01	Texas' Se91-12-02nate Bill 5 Legislation for Reducing Pollution in Non-Attainment and Affected Areas: Procedures for Measuring Electricity Savings from the Adoption of the International Energy Conservation Code (IRC/IECC 2001) in New Residences, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Turner, W. D.	Link
ESL-TR-02-04-03	Proposed Metering and Instrumentation Monitoring and Analysis Plan and Budget: Alamo Community College District, <i>Energy Systems Laboratory, Texas A&M University.</i>	O'Neal, D. L.; Carlson, K. A.; Sweeney, J.; Jr.; Milligan, K.	Link
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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
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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
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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
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ESL-IC-02-10-16	Rehabilitation of Secondary Heating and Cooling Systems - Case Study	Chen, H.; Deng, S.; Huggins, J.; Brundige, T.; Turner, W. D.; Claridge, D.; Bruner, H.; Jr.	Link
ESL-IC-02-10-17	LoanSTAR After 11 Years: A Report on the Successes and Lessons Learned from the LoanSTAR Program, <i>Proceedings of the 2nd International Conference for Enhanced Building Operation</i> , Richardson, Texas, pp. 131-138	Haberl, J.; Turner, W. D.; Claridge, D. E.; O'Neal, D.; Heffington, W.; Bryant, J.; Verdict, M.; Liu, Z.	Link
ESL-IC-02-10-18	The Revision of the UK Pipe Insulation Standard: - Its Likely Effect on Building Energy Efficiency and the Uptake of Highly Efficient Insulation Materials	Ashford, P.	Link
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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.	Akleman, 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
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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
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ESL-IE-03-05-14	Electric Power Interruption Cost Estimates for Individual Industries, Sectors, and the U.S. Economy	Balducci, P. J.; Roop, J. M.; Schienbein, L. A.; DeSteele, J. G.; Weimar, M. R.	Link
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ESL-IE-03-05-21	A Case Study of Steam System Evaluation in a Petroleum Refinery	Iordanova, N.; Venkatesan, V. V.	Link
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ESL-IE-03-05-33	Build, Own, Operate and Maintain (BOOM) Boiler Systems	Henry, T.	Link
ESL-PA-03-07-01	Benefits of Multi-day Industrial Center Assessments for Large Energy-Intensive Facilities, <i>Proceedings of the American Council for an Energy Efficient Economy Summer Study</i> , Tarrytown, New York, Vol. 2, pp. 339-350, July 2003.	Heffington, W. M.; Eggebrecht, J. A.	Link
ESL-PA-03-07-02	Inverse Model Toolkit: Application and Testing, <i>ASHRAE Transactions</i> , Vol. 109, Pt. 2.	Haberl, J.; Sreshthaputra, A.; Claridge, D. E.; Kissock, J. K.	Link
ESL-PA-03-07-03	Inverse Modeling Toolkit: Numerical Algorithms for Best-Fit Variable-Base Degree Day and Change Point Models, <i>ASHRAE Transactions</i> , Vol. 109, Pt. 2.	Kissock, J. K.; Haberl, J.; Claridge, D. E.	Link
ESL-TR-03-07-01	Procedure to Calculate NOx Reductions Using the Emissions & Generation Resource Integrated Database (E-Grid) Spreadsheet, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S.; Im, P.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Verdict, M.; Turner, W. D.	Link
ESL-TH-03-08-01	An Analysis of Energy Reductions from the Use of Daylighting in Low-Cost Housing, <i>Masters Thesis, Department of Architecture, Texas A&M University</i> .	Rungchareonrat, N.	Link
ESL-TH-03-08-02	Systematic Time-Based Study for Quantifying the Uncertainty of Uncalibrated Models in Building Energy Simulations, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Ahmad, M.	Link
ESL-TH-03-08-03	A Study of the Heat Pump Fin Staged Evaporators Under Frosting Conditions, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Yang, J.	Link
ESL-PA-03-09-01	Calculation of NOx Emissions Reduction from Implementation of the 2000 IECC/IRC Conservation Code in Texas	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Bryant, J.; Verdict, M.; Turner, D.; Im, P.	Link
ESL-TR-03-09-01	Review of Methods for Measuring and Verifying Savings from Energy Conservation Retrofits to Existing Buildings, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C. H.	Link
ESL-TR-03-09-02	Detailed Analysis of Thermal Mass Effects in a Code-traceable DOE-2 Simulation of the 2000 IECC for a Single-Family Residence in Texas: A Project for Texas' Senate Bill 5 Legislation for Reducing Pollution in Nonattainment and Affected Areas, Revised July 2007, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Kim, S.	Link
ESL-IC-03-10-01	How Much Can a Campus Save on Utility Bills by Turning a 5-Workday Week Into a 4-Workday Week	Zhou, J.; Giebler, T.; Wei, G.; Turner, D.	Link
ESL-IC-03-10-02	Prison Industries Metering at the Texas Department of Criminal Justice: Two Years of Operational Experience	Bryant, J. A.; McBride, J. R.; Merka, T.	Link
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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
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ESL-TH-03-12-07	Use of Auto-Associative Neural Networks for Sensor Diagnostics, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Najafi, M.	Link
ESL-TR-03-12-01	U. S. Army Measurement and Verification (M&V) Costing Toolkit, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Powell, T.; Carlson, K.; Im, P.; Turner, W. D.	Link
ESL-TR-03-12-02	Baseline Report for the Fort Hood Army Base: Sept. 1, 2002 – Aug. 31, 2003, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Baltazar-Cervantes, J. C.; Liu, Z.; Claridge, D. E.; Turner, W. D.	Link
ESL-TR-03-12-03	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume I – Summary Report, Annual Report to the Texas Commission on Environmental Quality September 2002 – August 2003, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Bryant, J.; Turner, W. D.	Link
ESL-TR-03-12-04	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Volume II – Technical Report, Annual Report to the Texas Commission on Environmental Quality September 2002 – August 2003, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Bryant, J.; Turner, W. D.	Link
ESL-TR-03-12-06	Test for Modeling Windows in DOE 2.1E for Comparing the Window Library with the Shading Coefficient Method for a Single-Family Residence in Texas: Project for Texas' Senate Bill 5 Legislation for Reducing Pollution in Nonattainment and Affected Areas, <i>Energy Systems Laboratory, Texas A&M University.</i>	Haberl, J.; Kim, S.	Link
ESL-PA-04-01-01	Overview of Existing Literature On Diversity Factors and Schedules for Energy and Cooling Load Calculations, <i>ASHRAE Transactions</i> , Vol. 110, Pt. 1, January 2004.	Abushakra, B.; Haberl, J.; Claridge, D. E.	Link
ESL-PA-04-01-02	A Mass Flow Rate Correlation for Refrigerants and Refrigerant Mixtures Flowing Through Short Tubes, <i>International Journal of HVAC&R Research</i> , Vol. 10, No. 1, pp. 73-87, Jan. 2004.	Payne, V.; O'Neal, D. L.	Link
ESL-PA-04-01-03	A Comparative Study of Shell-side Condensation on Integral-fin Tubes with R-114 and R-236ea, <i>ASHRAE Transactions</i> , Jan 2004, Vol 110 (1), pp 40-52.	Heusch, W.; Pate, M. B.	Link
ESL-PA-04-01-04	Iterative Modeling and Identification of a CO2 Air Conditioning System, <i>ASME International Mechanical Engineering Congress</i>	Alleyne, A.; Musser, A.; Rasmussen, B.	Link
ESL-PA-04-01-05	Evaluation of Control Strategies for Compressor Rapid Cycling, <i>Society of Automotive Engineers 2004 World Congress</i>	Rasmussen, B.; Uribe, T.; Alleyne, A.; Bullard, C.	Link
ESL-PA-04-02-01	Electricity Diversity Profiles for Energy Simulation of Office Buildings, <i>ASHRAE Transactions</i> , Vol. 110, Pt. 1, pp. 365 – 377.	Claridge, D. E.; Abushakra, B.; Haberl, J.; Sreshtaputra, 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
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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
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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-TH-05-05-02	Effect of Daylighting on Energy Consumption and Daylight Quality in an Existing Elementary School, <i>Master's Thesis, Department of Architecture, Texas A&M University</i> .	Atre, U. V.	Link
ESL-TH-05-05-03	First Law Energy Balance as a Data Screening Tool, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Shao, X.	Link

ESL-TH-05-05-04	Numerical Simulation of Mixed Convection over a Three-Dimensional Horizontal Backward- Facing Step, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University.</i>	Barbosa Saldana, J. G.	Link
ESL-TH-05-05-05	Developing Standards for Undergraduate University Construction Education Internship Programs, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University.</i>	Hager, C. J.	Link
ESL-TH-05-05-06	An advanced vapor-compression desalination system, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Lara Ruiz, J.	Link
ESL-PA-05-06-01	Accuracy Tests for Simulations of Constant Volume, Dual Duct and Variable Volume Air Handling Systems (4796), <i>ASHRAE Transactions-Research</i> , Vol. 111, Pt. 2, pp. 137-153.	Yuill, G.; Haberl, J.	Link
ESL-PA-05-06-02	An Experimental Evaluation of Duct-Mounted Relative Humidity Sensors: Part 2 – Accuracy Results, <i>ASHRAE Transactions</i> , June 2005, Vol 111 (2), pp167-176.	Joshi, S.N. ; Pate, M. B. ; Nelson, R. M. ; House, J. H. ; Klaassen, C.J.	Link
ESL-PA-05-06-03	An Experimental Evaluation of Duct-Mounted Relative Humidity Sensors: Part 3 – Repeatability, Hysteresis and Linearity Results, <i>ASHRAE Transactions</i> , June 2005, Vol 111 (2), pp 177-184.	Joshi, S.N. ; Pate, M. B. ; Nelson, R. M. ; House, J. H. ; Klaassen, C.J.	Link
ESL-TH-05-08-01	Analysis of Improved Fenestration for Code-Compliant Residential Buildings in Hot and Humid Climates, <i>Master's Thesis, Department of Architecture, Texas A&M University.</i>	Mukhopadhyay, J.	Link
ESL-TH-05-12-01	An Analysis of Maximum Residential Energy-Efficiency in Hot and Humid Climates, <i>Master's Thesis, Department of Architecture, Texas A&M University.</i>	Malhotra, M.	Link
ESL-TH-05-12-02	A Methodology to Pre-Screen Commercial Buildings for Potential Energy Savings Using Limited Information, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Zhu, Y.	Link
ESL-PA-05-02-02	An Experimental Evaluation of Duct-Mounted Relative Humidity Sensors: Part 1 – Test and Evaluation Procedures, <i>ASHRAE Transactions</i> , February 2005, Vol 111 (1), pp165-175.	Joshi, S.N. ; Pate, M. B. ; Nelson, R. M. ; House, J. H. ; Klaassen, C.J.	Link
ESL-PA-05-10-01	Evaluation of Mixing Elements in an L-Shaped Configuration for Application to Single Point Aerosol Sampling in Ducts, <i>International Journal of HVAC&R Research</i> , Vol. 11, No. 4, pp. 657-677.	Han, T.; O'Neal, D.; McFarland, A.; Ortiz, C.	Link
ESL-PA-06-01-01	Accuracy Tests for Simulation for Single Zone, Two Pipe, Four Pipe and Induction Air Handling Systems, <i>ASHRAE Transactions-Research</i> , Vol. 112, Pt. 1.	Yuill, G.; Haberl, J.	Link
ESL-PA-06-01-02	The Effects of Elbows on the Accuracy of Liquid Flow Measurement with an Insertion Flowmeters, <i>ASHRAE Transactions: Research</i> , Vol. 112, Pt. 1, January 2006.	Woo, S.; O'Neal, D. L.	Link
ESL-PA-06-04-01	Automotive Vapor Compression Cycles: Validation of Control-Oriented Models, <i>Society of Automotive Engineers 2006 World Congress</i> , Detroit, Michigan, 2006, SAE Paper 2006-01-1452.	Eldredge, B.D.; Rasmussen, B.P.; Alleyne, A.	Link
ESL-PA-06-04-02	Improving Energy Efficiency in Automotive Vapor Compression Cycles through Advanced Control Design, <i>Society of Automotive Engineers 2006 World Congress</i> , Detroit, Michigan, 2006, SAE Paper 2006-01-0267.	Keir, M. C.; Rasmussen, B.P.; Alleyne, A.	Link
ESL-TH-06-05-01	Hydraulic Modeling of Large District Cooling Systems for Master Planning Purposes	Xu, C.	Link
ESL-TH-06-05-02	Development of Models for Series and Parallel Variable Air Volume Terminal Units, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Furr, J.	Link
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ESL-TH-06-12-01	Development of an Automated Methodology for Calibration of Simplified Air-Side HVAC System Models and Estimation of Potential Savings from Retrofit/Commissioning Measures, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i>	Baltazar-Cervantes, J. C.	Link
ESL-PA-06-07-01	Mixing in a Square and a Rectangular Duct Regarding Selection of Location of Extractive Sampling of Gaseous Contaminants, <i>Health Physics</i> , Vol. 91, No. 1, pp. 47-57, July 2006.	Seo, Y.; McFarland, A. R.; Ortiz, C. A.; O'Neal, D. L.	Link
ESL-PA-06-08-04	Quantification of NOx Emissions Reductions for SIP Credits from Energy Efficiency and Renewable Energy Projects in Texas, <i>2006 ACEEE Summer Study on Energy Efficiency in Buildings</i> , American Council for an Energy Efficient Economy, Washington, D.C.	Verdict, M.; Haberl, J.; Culp, C.; Yazdani, B.; Fitzpatrick, T.; Gilman, D.; Ahmed, M.; Liu, B.; Baltazar, J.C.; Muns, S.; and Turner, D.	Link
ESL-PA-06-08-05	Development of a New ASHRAE Protocol for Measuring and Reporting the Onsite Performance of Buildings Except Low-Rise Residential Buildings, <i>2006 ACEEE Summer Study on Energy Efficiency in Buildings</i> , American Council for an Energy Efficient Economy, Washington, D.C.	Haberl, J.; Case, M.; Kettler, G.; Hunn, B.	Link
ESL-TH-07-05-01	Simulation of Three –Dimensional Laminar Flow and Heat Transfer in an Array of Parallel Micro-channels, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	MIClaj, J. D.	Link
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ESL-TH-07-08-03	Investigation of a Radiantly Heated and Cooled Office with an Integrated Desiccant Ventilation Unit, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University</i> .	Gong, X.	Link
ESL-TH-07-08-04	Development and Testing of an Automated Building Commissioning Analysis Tool (ABCAT), <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Curtin, J.	Link
ESL-TH-07-08-06	Framework for a Visual Energy Use System, <i>Masters Thesis, Department of Architecture, Texas A&M University</i> .	McDonald, C. E.	Link
ESL-TR-07-12-07	Recommendations for 15% Above-Code Energy Efficiency Measures for Commercial Office Buildings, <i>Energy Systems Laboratory, Texas A&M University</i> .	Cho, S.; Mukhopadhyay, J.; Culp, C.; Haberl, J.; Yazdani, B.	Link

ESL-TR-07-12-08	Recommendations for 15% Above-Code Energy Efficiency Measures for Single Family Residences, <i>Energy Systems Laboratory, Texas A&M University.</i>	Malhotra, M.; Mukhopadhyay, J.; Liu, B.; Haberl, J.; Culp, C.; Yazdani, B.	Link
ESL-TH-07-12-01	Implicit Runge-Kutta Methods to Simulate Unsteady Incompressible Flows, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Ijaz, M.	Link
ESL-TH-07-12-02	Numerical Simulation of Three-Dimensional Combined Convective Radiative Heat Transfer in Rectangular Channels, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&M University.</i>	Ko, M. S.	Link
ESL-TH-07-12-03	Evaluation of Selected Energy Options for a Sustainable Campus in Texas, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Clingenpeel, K.	Link
ESL-TH-07-12-06	Industrial Energy Use Indices, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University.</i>	Hanegan, A.	Link
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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
ESL-HH-07-12-08	CHP: It's Time for Combined Heat and Power	Herweck, R.	Link
ESL-HH-07-12-09	Sustaining Long-Term Energy Savings for a Major Texas State Agency Performance Contracting Initiative, <i>15.5 Annual Symposium on Improving Building Energy Efficiency in Hot and Humid Climates</i> , San Antonio, December 17-18, 2007.	Bou-Saada, T.; Culp, C.	Link
ESL-HH-07-12-10	Converting 15-Minute Interval Electricity Load Data into Reduced Demand, Energy Reduction and Cash Flow	Herrin, D. G.	Link
ESL-PA-07-01-01	An Experimental Evaluation of the Time Response of a Duct-Mounted Relative Humidity Sensors, <i>ASHRAE Transactions</i> , January 2007, Vol 113 (1).	Joshi, S.N. ; Pate, M. B.; Nelson, R. M. ; House, J. H. ; Klaassen, C.J.	Link
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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-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
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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
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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
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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
ESL-TR-09-01-01	Retrospective Testing of an Automated Building Commissioning Analysis Tool (ABCAT), <i>Energy Systems Laboratory, Texas A&M University</i> .	Claridge, D. C.; Lin, G.	Link
ESL-TR-09-02-01	Regional Energy Baselines and Measurement and Verification Protocols: Subtask 3.1 for the Southern Energy Efficiency Center (SEEC) <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Haberl, J.; Verdict, M.	Link
ESL-TR-09-02-02	Analysis of Emissions Calculations for the National Center of Excellence on Displaced Emission Reductions (CEDER), 2008 Annual Report to the US EPA, <i>Energy Systems Laboratory, Texas A&M University</i> .	Yazdani, B.; Culp, C.; Haberl, J.; Do, S. L.; Baltazar-Cervantes, J. C.	Link
ESL-PA-09-03-01	Reliability Design and Case Study of a Refrigerator Compressor Subjected to Repetitive Loads, <i>International Journal of Refrigeration</i> , Vol. 32, No. 3, pp. 478-486, March 2009.	Woo, S.; O'Neal, D. L.; Pecht, M.	Link
ESL-TR-09-03-01	SEEC- Regional Energy Baselines and Measurement and Verification Protocols, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Haberl, J.; Verdict, M.	Link
ESL-TR-09-04-01	Review and Recommendations of Existing Methods and Tools for Building Energy Analysis: Subtask 2.4 for the Southern Energy Efficiency Center (SEEC), <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Haberl, J.; Verdict, M.	Link
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ESL-PA-09-06-01	A Model-Based Predictive Supervisory Controller for Multi-Evaporator HVAC Systems, <i>2009 American Control Conference</i> , St. Louis, MO, June 2009, pp. 3669 – 3674.	Elliott, M.S.; Rasmussen, B.P.	Link
ESL-PA-09-07-01	Development of a Web-based, Code-compliant 2001 IECC Residential Simulator for Texas, <i>2009 Building Simulation Conference</i> , International Building Performance Simulation Association (IBPSA), University of Strathclyde, Glasgow, Scotland.	Haberl, J.; Culp, C.; Yazdani, B.	Link
ESL-PA-09-07-02	Development of A High-Performance Office Building Simulation Model for a Hot and Humid Climate, <i>2009 Building Simulation Conference</i> , International Building Performance Simulation Association (IBPSA), University of Strathclyde, Glasgow, Scotland.	Cho, S.; Haberl, J.	Link
ESL-PA-09-07-03	Development of a Web-Based, Code-Compliant ASHRAE 90.1-1999 Commercial Simulation for Texas, <i>2009 Building Simulation Conference</i> , International Building Performance Simulation Association (IBPSA), University of Strathclyde, Glasgow, Scotland.	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Ahmad, M.; Kim, S.	Link
ESL-PA-09-07-04	Improving the Reliability of a Water Dispenser Lever in a Refrigerator Subjected to Repetitive Stresses, <i>Engineering Failure Analysis</i> , Vol. 16, Issue 5, pp. 1597 1606, July 2009.	Woo, S.; O'Neal, D. L.; Pecht, M.	Link

ESL-TH-09-08-05	Methodology to Develop and Test an Easy-To-Use Procedure for the Preliminary Selection of High-Performance Systems for Office Buildings in Hot and Humid Climates, <i>Doctoral Dissertation, Energy Systems Laboratory, Texas A&M University.</i>	Cho, Sooyeon	Link
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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
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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
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ESL-IE-10-05-05	Energy Efficiency in Compressed Air Systems	Hingorani, A.; Pavlov, A.	Link
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ESL-IE-10-05-09	Integrated Energy and Greenhouse Gas Management System	Spates, C. N.	Link
ESL-IE-10-05-15	"Greening" Industrial Steam Generation via On-demand Steam Systems	Smith, J. P.	Link
ESL-IE-10-05-21	Energy Efficiency in BP's PTA Manufacturing Plants	Clark, F.	Link

ESL-PA-10-06-01	Reliability Design of a Reciprocating Compressor Suction Reed Valve in a Common Refrigerator Subjected to Repetitive Pressure Loads, <i>Engineering Failure Analysis</i> , Vol. 17, Issue 4, pp. 979-991, June 2010.	Woo, S.; O'Neal, D.; Pecht, M.	Link
ESL-PA-10-06-02	A Control Architecture Solution to Superheat Nonlinearity, <i>2010 American Control Conference</i> , Baltimore, MD, 2010.	Elliott, M.S.; Shenoy, B.; Rasmussen, B.P.	Link
ESL-PA-10-06-03	Parameter Estimation of HVAC Model with Limited Sensors, <i>2010 American Control Conference</i> , Baltimore, MD, 2010.	Hariharan, N.; Rasmussen, B.P.	Link
ESL-TR-10-06-01	2010 Texas Jurisdiction Energy Code Adoption Survey, <i>Energy Systems Laboratory, Texas A&M University</i> .	Energy Systems Laboratory	Link
ESL-TR-10-07-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP) Preliminary Report: Integrated NOx Emissions Savings from EE/RE Programs Statewide, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Gilman, D.; Liu, Z.; Baltazar, J.C.; Lewis, C.; McKelvey, K.; Mukhopadhyay, J.; Degelman, L.	Link
ESL-PA-10-08-01	Identification of Parameters for Embodied Energy Measurement: A Literature Review, <i>Energy and Buildings</i> , Volume 42, pp. 1238-1247.	Dixit, M. K.; Fernández-Solís, J. L.; Lavy, S.; Culp, C. H.	Link
ESL-PA-10-08-02	AIM: Web-Based, Residential Energy Calculator for Homeowners, <i>Proceedings of the 4th SimBuild 2010, IBPSA-USA National Conference</i> , August 2010.	Marshall, K.; Moss, M.; Malhotra, M.; Liu, B.; Culp, C.; Haberl, J.; Herbert, C.; Good Company Associates Inc.	Link
ESL-PA-10-08-03	Energyplus Vs DOE-2: The Effects of Ground Coupleing on Heating and Cooling Energy Consumption of a Slab-On-Grade Code House in a Cold Climate, <i>Proceedings of the 4th SimBuild 2010, IBPSA-USA National Conference</i> August 2010.	Andolsun, S.; Culp, C.; Haberl, J.	Link
ESL-PA-10-08-04	Integrating Solar Thermal and Photovoltaic Systems in Whole Building Energy Simulation, <i>Proceedings of the 4th SimBuild 2010, IBPSA-USA National Conference</i> , August 2010.	Cho, S.; Haberl, J.	Link
ESL-PA-10-08-05	Analysis of the Energy Savings Potential in K-5 Schools in Hot and Humid Climates: Application of High Performance Measures and Renewable Energy Systems, <i>Proceedings of the 4th SimBuild 2010, IBPSA-USA National Conference</i> , August 2010.	Im, P.; Haberl, J.	Link
ESL-PA-10-08-06	Going Beyond RESNET Certification for Code-Compliant Simulations: A Comparison of Detailed Results of Three RESNET-Certified, Code-Compliant Residential Simulation Programs, <i>Proceedings of the 4th SimBuild 2010, IBPSA-USA National Conference</i> , August 2010.	Liu, Z.; Kim, H.; Malhotra, M.; Mukhopadhyay, J.; Baltazar, J.C.; Haberl, J.; Culp, C.; Yazdani, B.; Montgomery, C.	Link
ESL-PA-10-08-07	Simulated Building Energy Performance of Single Family Detached Residences Designed for Off-Grid, Off-Pipe Operation, <i>Proceedings of the 4th SimBuild 2010, IBPSA-USA National Conference</i> , August 2010.	Malhotra, M.; Haberl, J.	Link
ESL-PA-10-08-08	An Economic Survey of Hydrogen Production from Conventional and Alternative Energy Sources, <i>International Journal of Hydrogen Energy</i>	Bartels, J.; Olson, N.; Pate, M.	Link
ESL-TH-10-08-01	Improvements and Applications of the Methodology For Potential Energy Savings Estimation from Retro-Commissioning/Retrofit Measures, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Liu, J.	Link
ESL-TH-10-08-02	Modeling of ECM Controlled Series Fan-Powered VAV Terminal Units, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Yin, P.	Link
ESL-TR-10-08-01	Energy Efficiency, Cost Effectiveness, and Air Pollutant Reduction Analysis from Energy Efficiency and Renewable Energy (EE/RE) Projects in Texas Public Schools, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Liu, Z.; Mukhopadhyay, J.; Do, S.; Kim, K.; Baltazar, J.C.; Haberl, J.; Culp, C.; Yazdani, B.	Link
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ESL-PA-10-09-01	Gain Scheduled Control of an Air Conditioning System Using the Youla Parameterization, <i>IEEE Transactions on Control Systems Technology</i> , vol. 18, No. 5, pp. 1216-1225, Sept. 2010.	Rasmussen, B.P.; Alleyne, A.	Link
ESL-TR-10-09-01	Description and Comparison of the Results of the Proposed House: Habitat for Humanity at Frazier Court, Dallas, Texas with the 2004 IECC Standard Reference House, <i>Energy Systems Laboratory, Texas A&M University</i> .	Mukhopadhyay, J.; Zi Liu, Z.; Baltazar, J.C.; Haberl, J.; Culp, C.; Yazdani, B.	Link
ESL-TR-10-09-02	Energy Consumption Analysis of the Habitat For Humanity Homes at Frazier Court Dallas, Texas, Presentation	Mukhopadhyay, J.; Liu, Z.; Baltazar, J.C.; Haberl, J.; Lewis, C.; Yazdani, B.	Link
ESL-TR-10-09-03	Procedure for Packing Weather Files for DOE-2e, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, K.H.; Baltazar, J.C.	Link
ESL-TR-10-10-01	NOx Emissions Reduction From CPS Energy's "Save For Tomorrow Energy Plan" Within the Alamo Area Council of Governments Report to the Texas Commission of Environmental Quality, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Yazdani, B.; Lok D.; S.; Baltazar, J.C.	Link
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ESL-TH-10-12-03	Thermal Comfort Under Transient Metabolic and Dynamic Localized Airflow Conditions Combined with Neutral and Warm Ambient Temperatures, <i>Doctoral Dissertation, Department of Architecture, Texas A&M University</i> .	Urgursal, A.	Link
ESL-TR-10-12-01	Energy Efficiency/Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP) Volume I-Summary Report, Annual Report to the Texas Commission on Environmental Quality, January 2009-December 2009, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J.; Culp, C.; Yazdani, B.; Lewis, C.; Liu, Z.; Baltazar-Cervantes, J. C.; Mukhopadhyay, J.; Gilman, D.; Degelman, L.; McKelvey, K.; Claridge, D.	Link
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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
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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.; Shivers, S.	Link
ESL-TR-11-01-01	Estimates of Energy Cost Savings Achieved from 2009 IECC Code-Compliant, Single Family Residences in Texas, <i>Energy Systems Laboratory, Texas A&M University</i> .	Kim, H.; Baltazar, J.C.; Haberl, J.	Link
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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
ESL-PA-14-02-02	The Effect of High Ambient Temperature on the Performance of an R410a Air Conditioner, <i>First International Conference on Energy and Indoor Environment for Hot Climates</i>	Pate, M.; Sweeney, J.; Yin, P.; Kading, J.	Link
ESL-PA-14-05-01	Impact of Controls-Energy Saving Strategies in Industries, <i>Proceedings of the 2014 Industrial Energy Technology Conference</i>	Parikh, P.; Rasmussen, B. P.	Link
ESL-TH-14-05-01	Development and Application of a Ground-Coupled Heat Pump Simulation Model for Residential Code-Compliant Simulation in Texas	Do, S. L.; Haberl, J.	Link
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ESL-PA-14-06-01	Verification of Energy Savings from the Implementation of the Residential Building Codes in Texas, <i>ASHRAE Conference Paper</i>	Balthazar, J.C.; Mao, C.; Haberl, J.	Link
ESL-PA-14-06-02	Distributed Model Predictive Control for Networks with Limited Control Communication, <i>Proceedings of the 2014 American Control Conference</i>	Jalal, R.; Rasmussen, B.	Link
ESL-PA-14-06-03	The Impact of an ECM Blower on the System Performance of a 5-ton Air Conditioner, <i>ASHRAE Annual Conference</i>	Pate, M.; Sweeney, J.; Yin, P.	Link
ESL-PA-14-06-04	Evaluation of Meteorological Base Models for Estimating Hourly Global Solar Radiation in Texas, <i>Energy Procedia: 2013 ISES Solar World Conference</i> , Vol. 57, pp. 1189 – 1198	Kim, K.; Baltazar, J.C.; Haberl, J.S.	Link
ESL-PA-14-06-05	Verification of the Energy Savings From the Implementation of the Residential Building Codes in Texas, <i>ASHRAE Transactions-Research</i> , Vol. 120, Pt. 2	Baltazar, J.C.; Mao, C.; Haberl, J.	Link
ESL-TR-14-07-01	Statewide Air Emissions Calculations from Wind and Other Renewables. Summary Report, Energy Systems Laboratory, Texas A&M University.	Haberl, J.; Baltazar, J.C.; Yazdani, B.; Clardige, D.; Do, S. L.; Oh, S.	Link
ESL-PA-14-07-01	Residential Bathroom Exhaust Fan Energy Performance Evaluations Conducted in a Well-Instrumented Laboratory Environment, <i>Indoor Air</i>	Pate, M.; Sweeney, J.; Yin, P.	Link
ESL-TR-14-08-01	Comparing the Residential Provisions on the 2015 IECC with the Corresponding Previsions of the 2015 IECC for Single-Family Residential Construction in Texas.	Mukhopadhyay, J.; Baltazar, J.C.; Ellis, S.; Haberl, J.; Yazdani, B.	Link
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ESL-PA-14-09-02	Impact of External Static Pressure on Residential Heating and Cooling Energy Use in Hot Climates, <i>ASHRAE/IPSA-USA Building Simulation Conference</i>	Pate, M.; Sweeney, J.; Yin, P.	Link

ESL-TR-14-09-01	Energy Efficiency/ Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP) Preliminary Report: Integrated Nox Emissions Savings From EE/RE Programs Statewide	Haberl, J.;Yazdani, B.; Baltazar-Cervantes, J. C.; Parker, P.; Ellis, S.; Mukhopadhyay, J; Do, S.; Zilbertstein, G.; Claridge, D.	Link
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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

ESL-PA-14-11-01	Developing a Physical BIM Library for Building Thermal Energy Simulation, <i>Automation in Construction</i>	Kim, J. B.; Jeong, W.; Clayton, M.; Yan, W.; Rasmussen, B.	Link
ESL-TR-14-11-01	2013 TCEQ Annual Report Volume I. Energy Systems Laboratory, Texas A&M University	Haberl, J.; Yazdani, B.; Baltazar, J.C.; Do, S. L.; Ellis, S.; Mukhopadhyay, J.; Parker, P.; Degelman, L.; Zilbertstein, G.; Claridge, D.	Link
ESL-TR-14-11-02	2013 TCEQ Annual Report Volume II. Energy Systems Laboratory, Texas A&M University	Haberl, J.; Yazdani, B.; Baltazar, J.C.; Do, S. L.; Ellis, S.; Mukhopadhyay, J.; Parker, P.; Degelman, L.; Zilbertstein, G.; Claridge, D.	Link
ESL-TR-14-11-03	Detailed Stringency Analysis of Suggested Amendments to Chapter 11 of the 2015 IRC and the 2015 IECC that were Submitted to the Texas State Energy Conservation Office (SECO) during March 30-April 30, 2014 Comment Period	Mukhopadhyay, J.; Zilbertstein, G.; Ellis, S.; Baltazar, J.C.; Haberl, J.; Yazdani, B.	Link
ESL-TR-14-11-04	Comparing the Commercial Provisions for the 2015 IECC with the Corresponding Provisions in the 2012 IECC for Commercial Construction in Texas.	Mukhopadhyay, J.; Baltazar, J.C.; Ellis, S.; Haberl, J.; Yazdani, B.	Link
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ESL-PA-15-02-02	Developing a Physical BIM Library for Building Thermal Energy Simulation, <i>Automation in Construction</i> , Elsevier, Volume 50	Kim, J.; Jeong, W.; Clayton, M.; Haberl, J.; and Yan, W.	Link
ESL-PA-15-02-03	Methodology for Adjusting Residential Cooling and Heating Seasonal Performance Ratings to Exclude Supply Fan Energy, <i>ASHRAE HVAC&R Journal</i>	Kim, H.; Haberl, J.; Baltazar, JC	Link
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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-15-06-02	Development of an Automated Fault Detection Tool for Unitary Air Conditioners at Industrial Energy Audits, <i>Proceedings of the 2015 Industrial Energy Technology Conference</i>	Parikh, P.; Pasmussen, B. P.	Link
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ESL-IE-15-06-31	How to Avoid Danger, Damage, and Dollars Lost in Steam Systems	Risko, J. R.	Link
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ESL-PA-15-07-03	Simulation and Validation of Interior and Exterior Navigational Strategies for Autonomous Robotic Assessments of Energy, <i>Proceedings of the 2015 American Control Conference</i>	Bay, C.; Rasmussen, B.	Link
ESL-PA-15-07-04	Neighbor-Communication Distributed Model Predictive Control for Coupled and Constrained Subsystems in Networks, <i>Proceedings of the 2015 American Control Conference</i>	Jalal, R.; Rasmussen, B.	Link
ESL-PA-15-08-01	Limited-Communication Distributed Model Predictive Control for Coupled and Constrained Linear Systems, <i>IEEE Trans. Control Systems Technology</i>	Jalal, R.; Rasmussen, B.	Link
ESL-PA-15-08-02	Enhanced Opportunities for Energy Savings in Industrial Facilities through Long-term Monitoring, <i>Proceedings of the 2015 ACEEE Summer Study on Energy Efficiency in Industry</i>	Terrill, T.; Rasmussen, B.	Link
ESL-PA-15-08-03	Methodology to Develop the Airport Terminal Building Energy Use Intensity (ATB-EUI) Benchmarking Tool	Haberl, J.; Zilbershtein, G.; Baltazar, JC.; Mao, C.; Ugursal, A.; Nelson, I.; Parker, P.; Yazdani, B.; Martinez, J.; Cho, S.; Sratakes, T.; Jiang, A.; Dong, L.; Hussain, M.	Link
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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
ESL-PA-15-10-04	Effective Tuning of Cascaded Control Loops for Nonlinear HVAC Systems, <i>Proceedings of the 2015 Dynamic Systems and Control Conference</i>	Price, C.; Rasmussen, B.	Link
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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-15-12-10	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
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ESL-TR-16-06-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of May 2016	Li, X.; Sun, Y.; Jone, K.; Hongxiang; Baltazar, J.C.; Claridge, D.	Link
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ESL-PA-16-11-01	Influence of Reduced VAV Flow Settings on Indoor Thermal Comfort in an Office Space,” <i>Building Simulation</i> , Vol. 9, pp. 101-111	Gangiseti, K.; Claridge, D.E.; Srebric, J. and Paulus, M.T.	Link
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ESL-TR-17-03-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of February 2017	Li, X.; Jone, K.; Hongxiang; Ruffin, A.; Baltazar, J.C.; Claridge, D.	Link
ESL-TR-17-04-01	TAMU Project - Energy Consumption Data Quality Assurance/Quality Control Assessment Report for the Month of March 2017	Li, X.; Jone, K.; Hongxiang; Ruffin, A.; Baltazar, J.C.; Claridge, D.	Link
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ESL-KT-15-12-42	Energy Security on a Barrier Island	Blanchard, M.	
ESL-KT-15-12-43	Power Resilience and Combined Heat and Power	Braddock, C.	
ESL-PA-00-06-01	Effect of Dry-Bulb Temperature on the Prediction Bias of Building Energy Use with the Short-Term Monitoring Long-Term Prediction Method, <i>Proceedings of the ASME International Solar Energy Conference Madison, Wisconsin, June 16-21, 2000.</i>	Abushakra, B.; Claridge, D. E.	
ESL-PA-00-06-02	The Effects of PV Glazing on the Energy Consumption of High Rise Commercial Buildings, <i>Solar 2000 Conference Proceedings, American Solar Energy Society, June 16-21, Madison, Wisconsin.</i>	Sylvester, K. E.; Haberl, J. S.	
ESL-PA-00-06-03	Semi-Transparent PV Glazing: Development of Window Properties for Input With the DOE-2 Window Library, <i>Solar 2000 Conference Proceedings, American Solar Energy Society, June 16-21, Madison, Wisconsin.</i>	Sylvester, K., Haberl, J.	
ESL-PA-00-09-01	Function Based 2D Flow Animation, <i>Visual 2000 Conference, Mexico City, Mexico, pp. 100-104.</i>	Akleman, E.; Skaria, S.; Haberl, J. S.	
ESL-PA-01-01-02	3-D Studies of Heat Transfer and Airflow in an Unconditioned Thai Buddhist Temple, <i>Journal of Energy, Heat and Mass Transfer, Vol. 23, pp. 455 – 471.</i>	Sreshthaputra, A.; Haberl, J.; Andrews, M. J.	
ESL-PA-01-06-01	Cutting Heating and Cooling Use Almost in Half Without Capital Expenditure in a Previously Retrofit Building, <i>Proceedings of 2001 ECEEE Summer Study, Mandelieu, France, June 11-16, 2001, Vol. 2, pp. 74-85.</i>	Claridge, D. E., Liu, M., Deng, S., Turner, W. D., Haberl, J. S., Lee, S. U., Abbas, M., Bruner, H., and Veteto, B.	
ESL-PA-13-06-01	Reducing Energy Consumption in Grocery Stores: Calibration of a Grocery Store Model, <i>ASHRAE Transactions-Research, Vol. 119, Pt. 2</i>	Mukhopadhyay, J., Haberl, J.	
ESL-PA-13-07-01	Dynamic Modeling for Vapor Compression Systems: Literature Review and Simulation Tutorial, <i>ASHRAE Conference Proceedings</i>	Rasmussen, B.	
ESL-PA-14-05-02	Automation of a Lighting Analysis and Retrofit Report in an Energy Assessment, <i>Proceedings of the 2014 Industrial Energy Technology Conference</i>	Terrill, T. J.; Bay, C. J.; Rasmussen, B. P.	
ESL-PA-14-05-03	Realizing Real Time Energy Analysis for Industrial Energy Audits, <i>Proceedings of the 2014 Industrial Energy Technology Conference</i>	Morelli, F.; Rasmussen, B.	
ESL-PA-15-10-05	Automated Modeling Method for the Application of Iterative Cooperative Neighbor Communication for Building HVAC Systems, <i>Proceedings of the 2015 Dynamic Systems and Control Conference</i>	Chintala, R.; Bay, C.; Jalal, R.; Rasmussen, B.	
ESL-PA-15-12-07	Development of an HVAC Fault Detection and Diagnostic Tool for Industrial Energy Audits, <i>ASHRAE Transactions</i>	Parikh, P.; Rasmussen, B. P.	
ESL-PA-16-01-06	Development of a Reference Building Information Model (BIM) for Thermal Model Compliance Testing Part II- Detailed Results, <i>HVAC&R Journal</i>	Kota, S.; Stipo, F.; Jeong, W.; Kim, J. B.; Alcocer, J. L. B.; Clayton, M.; Yan, W.; Haberl, J.	
ESL-PA-16-06-02	A Method of Efficacy Estimation for ECM Blowers in Residential Gas Furnaces by Using Blower Rotational Speed, <i>ASHRAE Annual Conference</i>	Pate, M.; Sweeney, J.; Yin, P.	
ESL-PA-16-07-01	Field Investigation of Occupancy-Based Climate Control Technology: IEQ Performance during the Cooling Season, <i>Indoor Air 2016, Conference of the International Society of Indoor Air Quality and Climate, Ghent, Belgium</i>	Kim, H.; Oldham, E.; Haberl, J.	
ESL-PA-19-06-01	Consumer-driven shaving of grid demand using a strategically limited incentive	Rogers, A., Rasmussen, B.	
ESL-PA-79-05-01	Slipforming: Some Concrete Facts, <i>Colorado Engineer</i>	Haberl, J.	
ESL-PA-79-06-01	Application of the Hittman Methodology, <i>University of Colorado at Boulder</i>	Haberl, J. S.; Dow, John O.; Gawf, Ed; Feng, Chuan C.	
ESL-PA-80-08-01	Watt's Up With Wind Energy? Energy storage will help make wind generation a reliable source of power, <i>Colorado Engineer</i>	Haberl, J.	
ESL-PA-84-01-01	Effect of Ventilated Trombe Wall Airflow, <i>Proceedings of the 1984 American Solar Energy Society.</i>	Haberl, J. S.; Kreider, J. F.	
ESL-PA-85-10-01	A Modular Microcomputer-Based Data Acquisition System for Monitoring Energy Consumption in Buildings, <i>Proceedings of the USDOE Field Data Acquisition for Building and Equipment Energy Use Monitoring Workshop, Oak Ridge National Laboratory, Oak Ridge, TN, October 1985.</i>	Haberl, J. S.; Volckhausen, T.; Claridge, D. E.	
ESL-PA-87-12-01	An Action-Oriented, Team Approach to Building Energy Conservation Using Regression Techniques and Expert Systems, <i>Proceedings of the ASME Winter Annual Meeting, Solar Energy Division, Boston, MA, Vol. 4, pp. 141-148</i>	Cooney, K.; Stern, F.; Haberl, J. S.	
ESL-PA-89-05-02	Identification of Conservation Opportunities from Analysis of Energy Consumption Data, <i>End-Use Load Information And Application Conference, W. S. Fleming & Associates, Syracuse, N.Y., May 1989.</i>	Haberl, J. S.; Komor, P.	
ESL-PA-90-02-01	The Design of Field Experiments and Demonstrations, <i>IEA Field Monitoring Workshop, April 2 – 5, Othenburg, Sweden, Vol. 1, pp. 33–58</i>	Haberl, J. S.; Claridge, D. E.; Harrie, D.	
ESL-PA-90-05-01	The Texas LoanSTAR Monitoring and Analysis Program: A Brief Introduction, <i>IBPSA Newsletter 1990, Vol. 3, No. 2, pp. 7 – 9</i>	Haberl, J. S.; Claridge, D. E.; O'Neal, D. L.; Heffington, W. M.; Turner, W. D.; Verdict, M.	
ESL-PA-90-07-02	Remote Monitoring of a Ground-Coupled Heat Pump, <i>Proceedings of the 2nd Annual Conference on End-Use Load Information and Its Role in DSM, Irvine, CA, July 11-13.</i>	O'Neal, D. L.; Dobson, M.; Fennin, A. J.; Wolfe, M. L.; Aldred, W.	

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

ESL-PA-96-07-03	Top Papers from "The Great Energy Predictor Shootout II: Measuring Retrofit Savings," One paper published in <i>ASHRAE</i> and four papers submitted to <i>ASHRAE Transactions: Papers follow below: PA-96-07-03-1 through PA-96-07-03-5</i>	Haberl, J.; Thamileran, S.; Katipamula, S.; Chonan, Y.; Nishida, K.; Matsumoto, T.; Jang, K. J.; Bartlett, E. B.; Nelson, R. M.; Dodier, R. H.; Henze, G. P.	
ESL-PA-97-04-02	Improving Building Energy System Performance by Continuous Commissioning, <i>Proceedings of the 5th National Conference on Building Commissioning</i> , Huntington Beach, CA, April 28-30.	Liu, M.; Claridge, D. E.; Haberl, J. S.; Turner, W. D.	
ESL-PA-97-04-03	A Continuous Commissioning Case Study of a State-of-the-Art Building, <i>Proceedings of the 5th National Conference on Building Commissioning</i> , Huntington Beach, CA, April 28-30.	Zhu, Y.; Liu, M.; Claridge, D. E.; Feary, D.; Smith, T.	
ESL-PA-97-04-04	Continuous Commissioning: An Operations Management Strategy for Energy Management, <i>Proceedings of the 5th National Conference on Building Commissioning</i> , Huntington Beach, CA, April 28-30.	Bruner, H. L., Jr.; Darnell, C. G.; Liu, M.	
ESL-PA-97-09-02	Overview of LoanSTAR Chiller Monitoring and Analysis of <i>In-Situ</i> Chiller Diagnostics using ASHRAE RP827 Test Method, <i>Proceedings of the PG&E Cool Sense National Integrated Chiller Retrofit Forum</i> , September 23-24, 1997.	Haberl, J. S.; Reddy, T. A.; Figueroa, I.; Medina, M.	
ESL-PA-97-10-01	A Case for System Optimization, <i>Engineered Systems</i> , October, pp. 82-88.	Athar, A.	
ESL-PA-98-01-01	The Great Energy Predictor Shootout II Measuring Retrofit Savings, <i>ASHRAE Journal</i> , Vol. 1, pp. 49-56.	Haberl, J.; Thamileran, S.	
ESL-PA-98-01-02	"Air Conditioning and Distribution Systems" and "Multiple Interior Zone HVAC Systems," 1998 AIA Architect's Graphic Standards Supplement, pp. 321-325 (1998).	Haberl, J. S.	
ESL-TH-01-08-02	Electrical Demand Control in Industrial Facilities, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Liu, Z.	N/A
ESL-TH-02-05-02	A Procedure to Generate Thermal Utility Billings for Auxiliary Buildings on the TAMU Campus, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Nam, Y.	N/A
ESL-TH-02-05-03	Simulation and Calibration of Thermal Energy Consumption for the Large Animal Hospital and Research Laboratory Buildings at Texas A&M, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Lasanta, J. R.	N/A
ESL-TH-02-05-10	Simulation and Calibration of Energy Consumption for the Scott M. Matheson Courthouse Complex, Salt Lake City, Utah, <i>Masters of Engineering, Department of Mechanical Engineering, Texas A&M University</i> .	Tahir, A.	N/A
ESL-TH-03-05-05	Pressure Control Valves for High-Rise Buildings, <i>Masters of Engineering, Department of Mechanical Engineering, Texas A&M University</i> .	Narasimhan, S.	N/A
ESL-TH-03-12-06	Evaluation of Selected Economizer and Cold Deck Reset Strategies for Dual Duct Single Fan AHUs in Hot and Humid Climates, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Giebler, T.	N/A
ESL-TH-07-05-02	The Applicability of Continuous Commissioning to the Coast Guard: A Pilot Project at USCG SFO Galveston, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Kowalczyk, D.	N/A
ESL-TH-15-12-01	Variable-Fidelity Simulation Library for Dynamic Modeling of Thermal Management Systems	Rodriguez, E.; Rasmussen, B.	N/A
ESL-TH-16-05-02	Automated Modeling of Large Scale Interconnected Building Systems	Chintala, R.; Rasmussen, B.	N/A
ESL-TH-16-05-03	Distributed MPC for Optimal Building Energy Efficiency	Bay, C.; Rasmussen, B.	N/A
ESL-TH-16-05-05	Autonomous Navigation of Unmanned Vehicles for Building Energy Assessments	de Deus Vieira Cardoso, L.; Rasmussen, B.	N/A
ESL-TH-17-05-01	Linearizing Control Strategies for HVAC System Components	Price, C.; Rasmussen, B.	N/A
ESL-TH-17-08-03	Predictive Control of Peak Electrical Demand for Industrial Facilities	Rogers, A.; Rasmussen, B.	N/A
ESL-TH-86-12-01	Computer Simulation and Energy Analysis of Two Commercial Buildings in Austin, Texas, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Farzad, M.	N/A
ESL-TH-87-08-02	Methods to Optimize Building Operations Using TRNSYS Simulation Models at Johnson Controls, Inc., <i>Doctor of Engineering, College of Engineering, Texas A&M University</i> .	Songkakul, P.	N/A
ESL-TH-89-12-03	Simulation Modeling of Energy Consumption in the Zachry Engineering Center, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i>	Torres-Nunci, N.	N/A
ESL-TH-98-05-02	Evaluation of the Performance and Emission of a Gas Fired Heat Pump, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Tootle, D.	N/A
ESL-TH-98-05-03	Frost Formation on a Horizontal Plate with Laminar Air Flow, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Zhou, H.	N/A
ESL-TH-98-12-03	The Use of ASEAM 3.0 to Analyze the Potential for Energy Efficiency in Indonesian Commercial Buildings, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Santosa, J.	N/A
ESL-TH-99-08-03	Recalibration of Baseline Models for LoanSTAR Buildings with Deterioration in Savings Using Data from Texas Capitol Complex Buildings, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&M University</i> .	Camden, H.	N/A
ESL-TR-05-05-01	Literature Review of Displacement Ventilation, <i>Energy Systems Laboratory, Texas A&M University</i> .	Cho, S.; Im, P.; Haberl, J. S.	
ESL-TR-05-05-02	Literature Review on Underfloor Air Distribution (UFAD) System, <i>Energy Systems Laboratory, Texas A&M University</i> .	Im, P.; Cho, S.; Haberl, J. S.	
ESL-TR-05-08-06	Water/Wastewater Engineering Report, (Storm Sewer/Infiltration Sanitary Sewage Separation – M1 Model), Report to the TCEQ, <i>Energy Systems Laboratory, Texas A&M University</i> .	Liu, Z.; Brumbelow, K.; Haberl, J. S.	
ESL-TR-05-08-07	Water/Wastewater Engineering Report, (High Efficiency Pump/Motor Replacement – M2 Model), Report to the TCEQ, <i>Energy Systems Laboratory, Texas A&M University</i> .	Liu, Z.; Brumbelow, K.; Haberl, J. S.	
ESL-TR-05-12-01	Savings Report for the Fort Hood Army Base, <i>Energy Systems Laboratory, Texas A&M University</i> .	Liu, Z.; Cho, S.; Baltazar-Cervantes, J. C.; Song, S.; Haberl, J. S.	
ESL-TR-05-12-05	NO _x , SO _x , and CO ₂ , Emissions Reduction From Continuous Commissioning® (CC®) Measures at the Rent-A-Car Facility in the Dallas-Fort Worth International Airport, <i>Energy Systems Laboratory, Texas A&M University</i> .	Baltazar-Cervantes, J. C.; Haberl, J. S.; Yazdani, B.	
ESL-TR-06-06-06	TERP Stakeholder's Meeting		
ESL-TR-06-06-07	Energy Efficiency / Renewable Energy Impact in the Texas Emissions Reduction Plan (TERP), Vol. I – Summary Report, Annual Report to the Texas Commission on Environmental Quality, <i>Energy Systems Laboratory, Texas A&M University</i> .	Haberl, J. S.; Culp, C.; Yazdani, B.; Gilman, D.; Fitzpatrick, T.; Muns, S.; Verdict, M.; Ahmed, M.; Liu, Z.; Baltazar-Cervantes, J. C.; Degelman, L.; Turner, W. D.	

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

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