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NUMBER	TITLE	AUTHOR(S)	HANDLE
ESL-PA-78-10-01	Medieval Joints - How did they do it, <i>Colorado Engineer</i> , Vol. 75, No. 1, College of Engineering, University of Colorado (October).	Haberl, J. S.	NYP
ESL-PA-79-05-01	Slipforming: Some Concrete Facts, <i>Colorado Engineer</i> , Vol. 75, No. 4, College of Engineering, University of Colorado (May).	Haberl, J. S.	NYP
ESL-PA-79-06-01	Application of the Hittman Methodology, <i>Energy Auditing, Association of Energy Engineers</i> , Atlanta, GA.	Haberl, J. S.; Dow, J. O.; Gawf, E.; Feng, C. C.	NYP
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<b>ESL-PA-84-04-01</b>	Energy Management Degree Specialization at Texas A&M University, <i>Proceedings of the 1984 Industrial Energy Technology Conservation Conference</i> , April 15-18, Houston, TX, Vol. 1, pp. 332 – 335.	Murphy, W. E.; O'Neal, D. L.; Heffington, W. M.; Turner, W. D.; Somasundaram, S.; Holmes, R. E.	<a href="#">2180</a>
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<b>ESL-TH-92-08-05</b>	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&amp;M University</i>	Winiarski, David Walter	NYP
<b>ESL-TH-92-08-06</b>	Study of Air Infiltration Energy Consumption, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&amp;M University</i>	Liu, Mingsheng	<a href="#">6463</a>
<b>ESL-PA-92-09-02</b>	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.	NYP
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<a href="#">ESL-TR-92-12-03</a>	Calculating Energy and Demand Retrofit Savings for Victoria High School: Interim Report, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Liu, Y.; Reddy, T. A.; Katipamula, S.; Claridge, D. E.	<a href="#">2110</a>
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<a href="#">ESL-TH-92-12-06</a>	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&amp;M University</i>	Payne, II, William Vance	NYP
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<a href="#">ESL-TR-93-04-08</a>	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&amp;M University</i>	Liu, M.; Houcek, J. K.; Claridge, D. E.; Haberl, J. S.	<a href="#">2114</a>
<a href="#">ESL-PA-93-04-09</a>	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.	NYP
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<a href="#">ESL-TH-93-05-02</a>	Two-Phase Flow of HCFC-22 and HFC-134a Through Short Tube Orifices, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&amp;M University</i>	Kim, Yongchan	<a href="#">6314</a>
<a href="#">ESL-PA-93-05-03</a>	Calculation of the Shape Factor from a Small Rectangular Plane to a Triangular Surface Perpendicular Plane without a Common Edge, <i>Journal of Solar Energy Engineering 1993, ASHRAE Transactions, Vol. 115, pp. 117 – 119</i>	Noboa, H. L.; O'Neal, D. L.; Turner, W. D.	NYP
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<a href="#">ESL-PA-93-05-04</a>	A Change-Point Principal Component Analysis (CP/PCA) Method for Predicting Energy Usage in Commercial Buildings: the PCA Model, <i>Journal of Solar Energy Engineering, ASHRAE Transactions, May, Vol. 115, pp. 77 – 84.</i>	Ruch, D.; Chen, L.; Haberl, J. S.; Claridge, D. E.	NYP
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<a href="#">ESL-TR-93-06-01</a>	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&amp;M University</i>	Turner, W. D.; Houcek, J. K.; Liu, M.; Claridge, D. E.	<a href="#">2117</a>
<a href="#">ESL-TR-93-06-02</a>	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&amp;M University</i>	Heinemeier, K. E.; Akbari, H.	<a href="#">2118</a>
<a href="#">ESL-TR-93-06-03</a>	Texas LoanSTAR Monitoring and Analysis Program: Report to the Monitoring and Analysis Review Committee, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Turner, W. D.; Heffington, W. M.; O'Neal, D. L.; Claridge, D. E.; Haberl, J.; S.	<a href="#">2120</a>
<a href="#">ESL-PA-93-06-04</a>	A Development and Comparison of NAC Estimates for Linear and Change-Point Energy Models for Commercial Buildings, <i>Energy and Buildings, Vol. 20, pp. 87 – 95.</i>	Ruch, D. K.; Claridge, D. E.	NYP
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<a href="#">ESL-TH-93-08-01</a>	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&amp;M University</i>	Phillips, Michael Lee	PDF/NYP
<a href="#">ESL-TH-93-08-02</a>	The Influence of Dust on the Absorptivity of Radiant Barriers, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&amp;M University</i>	Noboa, Homero Luis	<a href="#">6425</a>
<a href="#">ESL-TH-93-08-04</a>	A Simplified Methodology for Sizing Ground-Coupled Heat Pump Heat Exchangers in Cooling Dominated Climates, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&amp;M University</i>	Gonzales, Jose A.	PDF/NYP

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<b>ESL-TH-93-08-08</b>	Investigations in Cool Thermal Storage, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&amp;M University</i>	Abraham, Michaela Marie	PDF/NYP
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<b>ESL-PA-93-09-03</b>	Improving Heat Pumps and Air Conditioning, <i>Mechanical Engineering</i> , September, 1993, Vol. 115, No. 9, pp. 98 – 102	Den-Braven, K.; Harold, K.; Mei, V.; O’Neal, D. L.; Penoncello, S.	NYP
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<b>ESL-TR-93-10-03</b>	Summary of UTMB O&M Project: Energy Conservation Potential in Five Buildings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Liu, M.; Athar, A.; Reddy, T. A.; Claridge, D. E.; Haberl, J. S.	<a href="#">2123</a>
<b>ESL-TR-93-10-04</b>	Potential Operation and Maintenance (O&M) Savings in the Basic Science Building at UTMB, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Liu, M.; Athar, A.; Claridge, D. E.; Reddy, T. A.; Haberl, J. S.	<a href="#">2124</a>
<b>ESL-TR-93-10-05</b>	Potential Operation and Maintenance (O&M) Savings in the Clinical Science Building at UTMB, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Liu, M.; Athar, A.; Claridge, D. E.; Reddy, T. A.; Haberl, J. S.	<a href="#">2125</a>

<a href="#">ESL-TR-93-10-06</a>	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&amp;M University</i>	Liu, M.; Athar, A.; Reddy, T. A.; Houcek, J. K.; Claridge, D. E.; Haberl, J. S.	<a href="#">2126</a>
<a href="#">ESL-TR-93-10-07</a>	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&amp;M University</i>	Liu, M.; Athar, A.; Reddy, T. A.; Claridge, D. E.; Haberl, J. S.	<a href="#">2127</a>
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<a href="#">ESL-TR-93-11-01</a>	Using Fourier Series to Model Hourly Energy Use in Commercial Buildings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Dhar, A.; Reddy, T. A.; Claridge, D. E.	<a href="#">2129</a>
<a href="#">ESL-TH-93-12-01</a>	An Analysis of Grocery Store Energy Use, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&amp;M University</i>	Cox, III, Ralph Luther	PDF/NYP
<a href="#">ESL-TH-93-12-02</a>	Development of Graphical Indices for Building Energy Data, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&amp;M University</i>	Abbas, Mustafa	PDF/NYP
<a href="#">ESL-TH-93-12-03</a>	A Methodology to Measure Retrofit Energy Savings in Commercial Buildings, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&amp;M University</i>	Kissock, John Kelly	<a href="#">6310</a>
<a href="#">ESL-TR-93-12-04</a>	Pre-Retrofit Lighting Study at the University of Texas at Arlington, Texas, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Houcek, J. K.; Claridge, D. E.; Haberl, J. S.	<a href="#">2131</a>
<a href="#">ESL-TH-93-12-05</a>	The Measured Energy Impact of Air Leakage on a House, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&amp;M University</i>	Vaidya, Shilpa Arvind	NYP
<a href="#">ESL-PA-93-12-06</a>	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.	NYP
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<b>ESL-PA-94-01-03</b>	Development of Procedures for the Computerized Plotting of a Sun-Path Diagram, and Shading Mask Protractor, <i>ASME International Solar Energy Conference &amp; ASME Journal of Solar Engineering 1994</i>	McWatters, K.; Haberl, J. S.	NYP
<b>ESL-PA-94-01-04</b>	The Functional Basis of Steady-State 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.	NYP
<b>ESL-PA-94-01-05</b>	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.	NYP
<b>ESL-TR-94-02-01</b>	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&amp;M University</i>	Reddy, T. A.; Kissock, J. K.; Katipamula, S.; Claridge, D. E.	<a href="#">2133</a>
<b>ESL-PA-94-03-01</b>	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.	NYP
<b>ESL-PA-94-03-02</b>	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.	NYP
<b>ESL-PA-94-03-03</b>	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.	NYP
<b>ESL-TR-94-03-04</b>	An Overview of Measured Energy Retrofit Savings Methodologies Developed in the Texas LoanSTAR Program, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Reddy, T. A.; Kissock, J. K.; Katipamula, S.; Ruch, D. K.; Claridge, D. E.	<a href="#">2134</a>
<b>ESL-PA-94-04-02</b>	Flow Measurement with Tangential Paddlewheel Flow Meters: Analysis of Experimental Results and <i>In-Situ</i> Diagnostics, <i>Proceedings of the 16<sup>th</sup> Annual Industrial Energy Technology Conference 1994</i> , Houston, TX, pp. 252-260.	Watt, J.; Haberl, J. S.	<a href="#">2476</a>
<b>ESL-PA-94-04-03</b>	Energy Conservation Through Industrial Ventilation in Small and Medium-Sized Industrial Plants, <i>Proceedings of the 16<sup>th</sup> Annual Industrial Energy Technology Conference 1994</i>	Saman, N. F.; Nutter, D.	<a href="#">2477</a>
<b>ESL-PA-94-04-04</b>	Electrical Energy Monitoring in an Industrial Plant, <i>Proceedings of the 16<sup>th</sup> Annual Industrial Energy Technology Conference 1994</i> , pp. 269 – 274	Dorhofer, F.; Heffington, W. M.	<a href="#">2478</a>
<b>ESL-PA-94-04-05</b>	Maintaining Space Temperature and Humidity in the Digital Switch Environment, <i>Proceedings of the 16<sup>th</sup> Annual Industrial Energy Technology Conference 1994</i>	Saman, N. F.; Johnson, H.	<a href="#">2479</a>

<b>ESL-TR-94-04-06</b>	Test Report for Two Low Water Consumption Stainless Steel Toilets, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Claridge, D. E.; Boecker, C. L.	<a href="#">2135</a>
<b>ESL-TR-94-04-07</b>	Predictive Maintenance Programs (PMP's) in Small HVAC Applications: Analysis of Available Products and Technology, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Watt, J. B.	<a href="#">2136</a>
<b>ESL-PA-94-05-02</b>	Development of Graphical Indices for Displaying Large Scale Building Energy Data Sets, <i>Proceedings of the 9<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates 1994</i> , May 19-20, Arlington, TX	Abbas, M.; Haberl, J. S.	NYP
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<b>ESL-PA-94-05-05</b>	A Bin Method for Calculating Energy Conservation Retrofit Savings in Commercial Buildings, <i>Proceedings of the 9<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates 1994</i> , May 19-20, Arlington, TX	Thamilseran, S.; Haberl, J. S.	NYP
<b>ESL-PA-94-05-06</b>	Cooling-Only PRISM Analysis of Eleven College Station Homes and Interpretation of Building Physical Parameters, <i>Proceedings of the 9<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates 1994</i> , May 19-20, Arlington, TX.	Griffith, L.; Reddy, T. A.; Claridge, D. E.	NYP
<b>ESL-PA-94-05-07</b>	A Simplified Procedure for Sizing Vertical Ground Coupled Heat Pump Heat Exchangers for Residences in Texas, <i>Proceedings of the 9<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates 1994</i> , May 19-20, Arlington, TX.	O'Neal, D. L.; Gonzalez, J. A.; Aldred, W.	NYP
<b>ESL-PA-94-05-08</b>	Field Performance of a Ground-Coupled Heat Pump in Abilene, Texas, <i>Proceedings of the 9<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates 1994</i> , May 19-20, Arlington, TX.	Dobson, M.; O'Neal, D. L.; Aldred, W.; Margo, R.	NYP
<b>ESL-PA-94-05-09</b>	Identifying and Implementing Improved Operation and Maintenance Measures in Texas LoanSTAR Buildings, <i>ACEEE 1994 Summer Study</i> , pp. 5.153 – 5.165	Liu, M.; Houcek, J.; Athar, A.; Reddy, T. A.; Claridge, D. E.; Haberl, J. S.	NYP
<b>ESL-PA-94-05-10</b>	Reducing Building Energy Costs using Improved Operation Strategies for Constant-Volume Air-Handling Systems, <i>Proceedings of the 9<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates 1994</i> , May 19-20, Arlington, TX.	Liu, M.; Athar, A.; Reddy, T. A.; Claridge, D. E.; Haberl, J. S.; Plant, E.	NYP
<b>ESL-PA-94-05-12</b>	Economic Evaluation of Insulation/Radiant Barrier Systems for the State of Texas, <i>Proceedings of the 9<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates 1994</i> , May 19-20, Arlington, TX, pp. 116 – 120.	Medina, M. A.; Turner, W. D.; O'Neal, D. L.	NYP

<b>ESL-PA-94-05-13</b>	Effect of Radiant Barrier Technology on Summer Attic Heat Load in South Texas, <i>Proceedings of the 9<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates 1994</i> , May 19-20, Arlington, TX, pp. 121 – 124	Ashley, R.; Garcia, O.; Medina, M. A.; M. A.; Turner, W. D.	NYP
<b>ESL-PA-94-05-14</b>	Pre-Retrofit Lighting Study at The University of Texas at Arlington, <i>Proceedings of the 9<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates 1994</i> , May 19-20, Arlington, TX, pp. 13-22.	Houcek, J. K.; Claridge, D. E.; Haberl, J. S.	NYP
<b>ESL-PA-94-06-01</b>	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. S.	NYP
<b>ESL-PA-94-06-02</b>	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. S.	NYP
<b>ESL-PA-94-06-03</b>	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.	NYP
<b>ESL-PA-94-06-04</b>	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.	NYP
<b>ESL-PA-94-06-05</b>	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.	NYP
<b>ESL-TR-94-07-01</b>	Instructions for “The Great Energy Predictor Shootout II: Measuring Retrofit Energy Savings,” <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Haberl, J. S.; Kreider, J. F.	<a href="#">2137</a>
<b>ESL-PA-94-07-02</b>	Top Papers from “The Great Energy Predictor Shootout I: Measuring Retrofit Energy Savings,” <i>ASHRAE Transactions, Vol. 100, Pt. 2</i> . Papers follow below: PA-94-07-02-1 through PA-94-07-02-6	1) MacKay, D. J. C.; 2) Ohisson, M. B. O.; Peterson, C. O.; Pi, H.; Rögnvaldsson, T. S.; Söderberg, B. P. W.; 3) Feuston, B. P.; Thurtell, J. H.; 4) Stevenson, W. J.; 5) Iijima, M.; Takagi, K.; Takeuchi, R.; Matsumoto, T.; 6) Kawashima, M.	NYP
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<b>ESL-PA-94-07-02-2</b>	Predicting System Loads with Artificial Neural Networks – Methods and Results from “The Great Energy Predictor Shootout: Measuring Retrofit Energy Savings,” <i>ASHRAE Transactions, Vol. 100, Pt. 2</i>	Ohisson, M. B. O.; Peterson, C. O.; Pi, H.; Rögnvaldsson, T. S.; Söderberg, B. P. W.	NYP
<b>ESL-PA-94-07-02-3</b>	Generalized Nonlinear Regression with Ensemble of Neural Nets: “The Great Energy Predictor Shootout: Measuring Retrofit Energy Savings,” <i>ASHRAE Transactions, Vol. 100, Pt. 2</i>	Feuston, B. P.; Thurtell, J. H.	NYP

<b>ESL-PA-94-07-02-4</b>	Using Artificial Neural Nets to Predict Building Energy Parameters, from “The Great Energy Predictor Shootout I: Measuring Retrofit Energy Savings,” <i>ASHRAE Transactions, Vol. 100, Pt. 2</i>	Stevenson, W. J.	NYP
<b>ESL-PA-94-07-02-5</b>	A Piecewise-Linear Regression on the ASHRAE Time-Series Data, from “The Great Energy Predictor Shootout I: Measuring Retrofit Energy Savings,” <i>ASHRAE Transactions, Vol. 100, Pt. 2</i>	Iijima, M.; Takagi, K.; Takeuchi, R.; Matsumoto, T.	NYP
<b>ESL-PA-94-07-02-6</b>	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, Vol. 100, Pt. 2</i>	Kawashima, M.	NYP
<b>ESL-PA-94-07-04</b>	A Procedure for Plotting the Sun-Path Diagram, and Shading Mask Protractor, <i>Journal of Solar Energy Engineering, ASME Transactions</i> , May 1995, Vol. 117, pp. 153–156.	McWatters, K.; Haberl, J. S.	NYP
<b>ESL-PA-94-07-05</b>	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.	NYP
<b>ESL-PA-94-07-06</b>	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.	NYP
<b>ESL-PA-94-07-07</b>	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.	NYP
<b>ESL-TR-94-07-08</b>	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&amp;M University</i>	Liu, M.; Zhu, Y.; Claridge, D. E.; Haberl, J. S.	<a href="#">2138</a>
<b>ESL-PA-94-08-01</b>	Panel 5 Overview: 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.	NYP
<b>ESL-PA-94-08-04</b>	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 29<sup>th</sup> Intersociety Energy Conversion Engineering Conference</i> , August 7 – 11, Monterey, CA, Pt. 2, pp. 921 – 926	Farzad, M.; O’Neal, D. L.	NYP
<b>ESL-PA-94-08-05</b>	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. S.; Liu, M.; Houcek, J.; Athar, A.	NYP
<b>ESL-PA-94-08-06</b>	Energy Retrofits Can Cut Use and Costs, <i>Mechanical Engineering</i> , August, pp. 64 – 67	Claridge, D. E.; Haberl, J. S.; Turner, W. D.; and O’Neal, D. L.	NYP
<b>ESL-TR-94-10-01</b>	Texas LoanSTAR Monitoring and Analysis Program: Monitoring Equipment Installation Manual (October 1994), <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Bohmer, C.; Lippman, R.; McBride, J.; Casebolt, C.; Prepared by NCAT Development Corporation	<a href="#">2139</a>

<a href="#">ESL-TR-94-12-01</a>	Advanced DOE-2 Calibration Procedures: A Technical Reference Manual, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University.</i>	Bou-Saada, T. E.	<a href="#">2140</a>
<a href="#">ESL-TH-94-12-01</a>	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&amp;M University</i>	Bou-Saada, Tarek E.	<a href="#">86260</a>
<a href="#">ESL-TR-94-12-03</a>	Thermal Energy Measurement with Tangential Paddlewheel Flow Meters: Summary of Experimental Results and <i>in-situ</i> Diagnostics, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University.</i>	Haberl, J. S.; Watt, J.	<a href="#">2142</a>
<a href="#">ESL-TR-94-12-04</a>	Cool Storage Applications in the Texas LoanSTAR Program: Overview and Preliminary Results, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University.</i>	Abbas, M.; Haberl, J. S.; Turner, W. D.	<a href="#">2143</a>
<a href="#">ESL-TH-94-12-05</a>	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&amp;M University</i>	Nutter, Darin Wayne	<a href="#">6426</a>
<a href="#">ESL-TR-94-12-06</a>	The USDOE Forrestal Building Lighting Retrofit: Preliminary Analysis of Electricity Savings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University (in preparation)</i>	Haberl, J. S.; Bou-Saada, T. E.; Vajda, E. J.; Shincovich, M.; D'Angelo III, L.; Harris, L.	<a href="#">2144</a>
<a href="#">ESL-TR-94-12-07</a>	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&amp;M University</i>	Katipamula, S.; Reddy, T. A.; Claridge, D. E.	<a href="#">2145</a>
<a href="#">ESL-TR-94-12-08</a>	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&amp;M University.</i>	Dobson, M. K.; O'Neal, D. L.; Aldred, W.	<a href="#">2146</a>
<a href="#">ESL-TR-94-12-11</a>	Analysis of Energy Conservation Options for USDOE Child Development Center, Final Summary Report, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University.</i>	Bou-Saada, T. E.; Haberl, J. S.	<a href="#">2147</a>
<a href="#">ESL-TH-94-12-12</a>	An Experimental Investigation of the Effect of Oil on Convective Heat Transfer and Pressure Drop of a HFC-32/HRC-125 Mixture, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&amp;M University</i>	McJimsey, Bert Ashford	<a href="#">6423</a>
<a href="#">ESL-TR-94-12-12</a>	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&amp;M University</i>	Payne, W. V.; O'Neal, D. L.	<a href="#">2148</a>
<a href="#">ESL-TH-94-12-13</a>	Numerical Modeling of the Transient Thermal Interference of Vertical U-Tube Heat Exchangers, <i>Doctoral Dissertation, Department of Mechanical Engineering, Texas A&amp;M University</i>	Muraya, Norman Kaguma	<a href="#">6422</a>

<b>ESL-PA-95-01-01</b>	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.; Nicoutin, C.V.; Kreider, J. F.	NYP
<b>ESL-PA-95-01-02</b>	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.	NYP
<b>ESL-PA-95-01-03</b>	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.	NYP
<b>ESL-TR-95-01-04</b>	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&amp;M University</i>	Liu, M.; Athar, A.; Zhu, Y.; Claridge, D. E.	<a href="#">2149</a>
<b>ESL-PA-95-02-01</b>	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.; J. K. Kissock, Claridge, D. E.	NYP
<b>ESL-PA-95-03-01</b>	Thermal Energy Measurement with Tangential Paddlewheel Flow Meters: Summary of Experimental Results and <i>In-Situ</i> 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. S.; Watt, J.	NYP
<b>ESL-PA-95-04-01</b>	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.	NYP
<b>ESL-PA-95-04-02</b>	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. S.	NYP
<b>ESL-PA-95-04-03</b>	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.	NYP
<b>ESL-PA-95-04-04</b>	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.	NYP
<b>ESL-PA-95-04-05</b>	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. S.; Krarti, M.	NYP

<b>ESL-PA-95-04-06</b>	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. S.; Turner, W. D.	NYP
<b>ESL-PA-95-04-07</b>	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.	NYP
<b>ESL-PA-95-04-08</b>	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.	NYP
<b>ESL-PA-95-04-09</b>	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.	NYP
<b>ESL-PA-95-04-10</b>	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.	NYP
<b>ESL-PA-95-04-11</b>	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. S.; Bou-Saada, T. E.; Vajda, E. J.; Shincovich, M.; D’Angelo III, L. A.; Harris L.	NYP
<b>ESL-PA-95-04-12</b>	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.	NYP
<b>ESL-PA-95-04-13</b>	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.	NYP
<b>ESL-PA-95-04-15</b>	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.	NYP
<b>ESL-PA-95-05-01</b>	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.	NYP
<b>ESL-PA-95-05-02</b>	Analytical Model to Predict Nonhomogeneous Soil Temperature Variation, <i>Journal of Solar Energy Engineering</i> , ASME Transactions, Vol. 117, pp. 100 – 107	Krarti, M.; Claridge, D. E.; Kreider, J. F.	NYP
<b>ESL-PA-95-05-03</b>	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. S.	NYP

<b>ESL-TH-95-05-03</b>	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&amp;M University</i>	Dhar, Amitava	PDF/NYP
<b>ESL-TH-95-05-04</b>	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&amp;M University</i>	Parker, Brandon Dewayne	PDF/NYP
<b>ESL-TH-95-05-05</b>	A Prediction of Energy Savings Resulting from Building Infiltration Control, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&amp;M University</i>	McWatters, Kenneth Rob	PDF/NYP
<b>ESL-PA-95-07-01</b>	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 30<sup>th</sup> Intersociety Energy Conversion Engineering Conference, July 30 – August 4.</i>	Bou-Saada, T. E.; Haberl, J. S.	NYP
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<b>ESL-PA-95-08-02</b>	Effect of Time Resolution on Statistical Modeling of Cooling Energy Use in Large Commercial Buildings, <i>ASHRAE Transactions 1995, Vol. 101, Pt. 2</i>	Katipamula, S.; Reddy, T. A.; Claridge, D. E.	NYP
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<b>ESL-TH-95-08-01</b>	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&amp;M University</i>	Rodriguez, Angel Gerardo	<a href="#">6163</a>
<b>ESL-TH-95-08-02</b>	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&amp;M University</i>	Bain, Joel Alan	PDF/NYP
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<b>ESL-TR-95-08-04</b>	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&amp;M University.</i>	Wei, G.; Eggebrecht, J.; Saman, N. F.; Claridge, D. E.	<a href="#">2150</a>

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<a href="#">ESL-PA-95-08-06</a>	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. S.; Krarti, M.	NYP
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<a href="#">ESL-PA-95-08-08</a>	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. S.; Krarti, M.	NYP
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<a href="#">ESL-TR-95-09-02</a>	The Great Building Energy Predictor Shootout II: Measuring Retrofit Energy Savings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University.</i>	Thamilseran, S.; Haberl, J. S.	<a href="#">2153</a>
<a href="#">ESL-PA-95-09-03</a>	Improved Operation and Maintenance Reduce Energy Costs by \$2,343,000/yr in LoanSTAR Buildings. <i>Proceedings of the International HVAC Symposium 1995</i> , Beijing, China.	Liu, M.; Athar, A.; Zhu, Y.; Reddy, T. R.; Claridge, D. E.; Haberl, J. S.	NYP
<a href="#">ESL-TR-95-10-01</a>	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&amp;M University.</i>	Saman, N. F.; Reddy, T. A.; Haberl, J. S.; Claridge, D. E.; Turner, W. D.	<a href="#">2154</a>
<a href="#">ESL-PA-95-11-01</a>	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.	NYP
<a href="#">ESL-TR-95-11-01</a>	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&amp;M University</i>	Abbas, M.; Turner, W. D.; Claridge, D. E.; Haberl, J. S.; Saman, N. F.	<a href="#">2155</a>
<a href="#">ESL-TH-95-12-01</a>	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&amp;M University</i>	Wang, Jinrong	PDF/NYP
<a href="#">ESL-PA-95-12-01</a>	Monitoring, Analysis Help LoanSTAR Plan Succeed, <i>Energy User News</i> , p. 14	Athar, A.	NYP
<a href="#">ESL-TR-95-12-02</a>	The USDOE Forrester Lighting Retrofit: Analysis of Electricity and Thermal Savings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Haberl, J. S.; Bou-Saada, T. E.	<a href="#">2156</a>

<a href="#">ESL-TR-96-01-01</a>	Preliminary Study of Advanced Diagnostic Prescreening Methods Volume 1: Summary, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Landman, D. S.; Haberl, J. S.	<a href="#">2157</a>
<a href="#">ESL-TR-96-02-01</a>	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&amp;M University</i>	Haberl, J. S.; Reddy, T. A.; Claridge, D. E.; Turner, W. D.; O'Neal, D. L.; Heffington, W. M.	<a href="#">2484</a>
<a href="#">ESL-TR-96-03-01</a>	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&amp;M University</i>	Reddy, T. A.; Saman, N. F.; Claridge, D. E.; Haberl, J. S.; and Turner, W. D.	<a href="#">2158</a>
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<a href="#">ESL-TR-96-04-01</a>	Data Polling Routine (PlotHood) to Generate Weekly Inspection Plots for Fort Hood, Texas, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Saman, N. F.; Reddy, T. A.; Haberl, J. S.; Claridge, D. E.; Turner, W. D.	<a href="#">2159</a>
<a href="#">ESL-PA-96-04-03</a>	Generalization of the Fourier Series Approach to Model Hourly Energy Use in Commercial Buildings, <i>Transactions of the ASME, February 1999, Volume 121, pages 54-62</i>	Dhar, A.; Reddy, T. A.; Claridge, D. E.	NYP
<a href="#">ESL-PA-96-05-02</a>	Impacts of Static Pressure Set Level on the HVAC Energy Consumption and Indoor Conditions, <i>Proceedings of the 10<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates, May 13-14, Radisson Plaza Hotel, Ft. Worth, TX, pp. 11 – 18</i>	Liu, M.; Zhu, Y.; Claridge, D. E.; White, E.	NYP
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<a href="#">ESL-PA-96-05-04</a>	A Calibration Methodology for Retrofit Projects Using Short-Term Monitoring and Disaggregated Energy Use Data, <i>Proceedings of the 10<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates, May 13-14, Radisson Plaza Hotel, Ft. Worth, TX, pp. 38 – 47</i>	Soebarto, V. I.; Degelman, L. O.	NYP
<a href="#">ESL-PA-96-05-05</a>	Effect of a 90° Elbow on the Accuracy of an Insertion Flowmeter, Results and Comparisons for 4- and 6-Inch Diameter PVC Pipe, <i>Proceedings of the 10<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates, May 13-14, Radisson Plaza Hotel, Ft. Worth, TX, pp. 48 – 58</i>	Bryant, J. A.; O'Neal, D. L.	NYP

<b>ESL-PA-96-05-06</b>	Effect of Return Air Leakage on Air Conditioner Performance in Hot/Humid Climates, <i>Proceedings of the 10<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates</i> , May 13-14, Radisson Plaza Hotel, Ft. Worth, TX, pp. 78 – 87	O’Neal, D. L.; Davis, M.; Rodriguez, A.; Kondepudi, S.	NYP
<b>ESL-PA-96-05-07</b>	An Advanced Economizer Controller for Dual Duct Air Handling Systems – with a Case Application, <i>Proceedings of the 10<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates</i> , May 13-14, Radisson Plaza Hotel, Ft. Worth, TX, pp. 156 – 163	Liu, M.; Claridge, D. E.	NYP
<b>ESL-PA-96-05-08</b>	Computer Energy Modeling Techniques for Simulating Large Scale Correctional Institutes in Texas, <i>Proceedings of the 10<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates</i> , May 13-14, Radisson Plaza Hotel, Ft. Worth, TX, pp. 193 – 204	Bou-Saada, T.; Haberl, J. S.; Saman, N.; Heneghan, T.	NYP
<b>ESL-PA-96-05-09</b>	Monitoring and Analysis Program of Prison Sites for the Texas Department of Criminal Justice, <i>Proceedings of the 10<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates</i> , May 13-14, Radisson Plaza Hotel, Ft. Worth, TX, pp. 205 – 211	Eggebrecht, J. A.; Heneghan, T.	NYP
<b>ESL-PA-96-05-10</b>	A Prediction of Energy Savings Resulting from Building Infiltration Control, <i>Proceedings of the 10<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates</i> , May 13-14, Radisson Plaza Hotel, Ft. Worth, TX, pp. 228 – 237	McWatters, K.; Claridge, D. E.; Liu, M.	NYP
<b>ESL-PA-96-05-11</b>	New MS-Windows-Based Educational Software for Teaching the Sunpath Diagram and Shading Mask Protractor, <i>Proceedings of the 10<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates</i> , May 13-14, Radisson Plaza Hotel, Ft. Worth, TX, pp. 262 – 268	Oh, J. K. W.; Haberl, J. S.	NYP
<b>ESL-PA-96-05-12</b>	Data Quality Requirements for Determining Energy Savings in the Weatherization Assistance Program (WAP), <i>Proceedings of the 10<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates</i> , May 13-14, Radisson Plaza Hotel, Ft. Worth, TX, pp. 305 – 315	Wang, J.; Reddy, T. A.; Claridge, D. E.; Haberl, J. S.	NYP
<b>ESL-PA-96-05-13</b>	Development of Baseline Monthly Utility Models for Fort Hood, Texas, <i>Proceedings of the 10<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates</i> , May 13-14, Radisson Plaza Hotel, Ft. Worth, TX, pp. 337 – 353	Reddy, T. A.; Saman, N. F.; Claridge, D. E.; Haberl, J. S.; Turner, W. D.	NYP
<b>ESL-PA-96-05-14</b>	Use of DOE-2 to Evaluate Evaporative Cooling in Texas Correctional Facilities, <i>Proceedings of the 10<sup>th</sup> Symposium on Improving Building Systems in Hot and Humid Climates</i> , May 13-14, Radisson Plaza Hotel, Ft. Worth, TX, pp. 359 – 368	Saman, N. F.; Bou-Saada, T.; Heneghan, T.	NYP
<b>ESL-TR-96-07-01</b>	Improving Building Energy System Performance by Continuous Commissioning, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Turner, W. D.; Liu, M.; Claridge, D. E.; Haberl, J. S.	<a href="#">2160</a>
<b>ESL-TR-96-07-02</b>	An Evaluation of Energy-Saving Retrofits from the Texas LoanSTAR Program, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Haberl, J. S.; Claridge, D. E.; Heneghan, T.; Sieggreen, R.; Sims, J.	<a href="#">2161</a>
<b>ESL-PA-96-07-03</b>	Top Papers from “The Great Energy Predictor Shootout II: Measuring Retrofit Energy Savings,” One paper published in <i>ASHRAE</i> and four papers submitted to <i>ASHRAE Transactions</i> :  Papers follow below: PA-96-07-03-1 through PA-96-07-03-5	1) Haberl, J. S.; Thamilsaran, S.; 2) Katipamula, S.; 3) Chonan, Y.; Nishida, K.; Matsumoto, T.; 4) Jang, K. J.; Bartlett, E. B.; Nelson, R. M.; 5) Dodier, R. H.; Henze, G. P.	NYP

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<b>ESL-PA-96-07-03-2</b>	Great Energy Predictor Shootout II: Modeling Energy Use in Large Commercial Buildings, <i>ASHRAE Transactions 1996</i> , Vol. 102, Pt. 2	Katipamula, S.	NYP
<b>ESL-PA-96-07-03-3</b>	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.	NYP
<b>ESL-PA-96-07-03-4</b>	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.	NYP
<b>ESL-PA-96-07-03-5</b>	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.	NYP
<b>ESL-PA-96-08-01</b>	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.	NYP
<b>ESL-PA-96-08-02</b>	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. S.; Vajda, E. J.; Shincovich, M.; D’Angelo, L.; Harris, L.	NYP
<b>ESL-PA-96-08-03</b>	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. S.	NYP
<b>ESL-PA-96-08-04</b>	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.	NYP
<b>ESL-TR-96-09-01</b>	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&amp;M University</i>	Wei, G.; Veteto, B.; Liu, M.	<a href="#">2162</a>
<b>ESL-TR-96-09-02</b>	Monthly Variable-based Degree Day Template: A Spreadsheet Procedure Calculating a 3 Parameter Change-point Model for Residential or Commercial Buildings, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Landman, D. S.; Haberl, J. S.	<a href="#">2164</a>
<b>ESL-PA-96-10-01</b>	Exploring New Techniques for Displaying Complex Building Energy Consumption Data, <i>Energy and Buildings</i> , Vol. 24, pp. 27-38	Haberl, J. S.; Sparks, R.; Culp, C.	NYP
<b>ESL-TR-96-10-01</b>	Assessment and Suggestions to Improve the Commercial Building Module of EIA-NEMS, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	O’Neal, D. L.; Reddy, T. A.; Sucher, B.	<a href="#">2165</a>

<a href="#">ESL-TR-96-10-02</a>	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&amp;M University</i>	Landman, D. S.; Haberl, J. S.	<a href="#">2166</a>
<a href="#">ESL-TR-96-10-03</a>	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&amp;M University</i>	Soebarto, V. I.; Haberl, J. S.; Degelman, L. O.	<a href="#">2167</a>
<a href="#">ESL-TR-96-11-02</a>	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&amp;M University</i>	Landman, D. S.; Haberl, J. S.	<a href="#">2168</a>
<a href="#">ESL-TR-97-01-01</a>	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&amp;M University</i>	Soebarto, V. I.; Haberl, J. S.; Degelman, L. O.	<a href="#">2169</a>
<a href="#">ESL-TR-97-03-01</a>	Analysis of the HVAC System at the Willow Branch Intermediate School, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Wei, G.	<a href="#">2170</a>
<a href="#">ESL-PA-97-04-01</a>	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, Washington, D.C., April.</i>	Deng, S.; Reddy, T. A.; Claridge, D. E.	NYP
<a href="#">ESL-PA-97-04-02</a>	Improving Building Energy System Performance by Continuous Commissioning, <i>Proceedings of the 5<sup>th</sup> National Conference on Building Commissioning, Huntington Beach, CA, April 28-30.</i>	Liu, M.; Claridge, D. E.; Haberl, J. S.; Turner, W. D.	NYP
<a href="#">ESL-PA-97-04-03</a>	A Continuous Commissioning Case Study of a State-of-the-Art Building, <i>Proceedings of the 5<sup>th</sup> National Conference on Building Commissioning, Huntington Beach, CA, April 28-30.</i>	Zhu, Y.; Liu, M.; Claridge, D. E.; Feary, D.; Smith, T.	NYP
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<a href="#">ESL-TH-97-05-01</a>	Simplified Thermoeconomic Approach to Cost Allocation in a Combined Cycle Cogeneration and District Energy System, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&amp;M University.</i>	Fleming, Jason Graham	PDF/NYP
<a href="#">ESL-TH-97-05-02</a>	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&amp;M University.</i>	Deng, Song	<a href="#">6428</a>
<a href="#">ESL-TR-97-06-01</a>	Lighting Survey Results at the Langford Architecture Center and Estimated Savings by Delamping, <i>Energy Systems Laboratory, Department of Mechanical Engineering, Texas A&amp;M University</i>	Soebarto, V. I.; Haberl, J. S.; Degelman, L. O.	<a href="#">2171</a>

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<b>ESL-TH-97-12-01</b>	Development of a Simplified Model for Cooling and Dehumidifying Coils, <i>Masters Thesis, Department of Mechanical Engineering, Texas A&amp;M University</i>	Maldonado, Eliezer	PDF/NYP
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<a href="#">ESL-TH-08-09-01</a>	Methodology to Develop an Easy-to-Use Tool for the Selection of High-Performance Systems for Office Buildings in Hot and Humid Climates, <i>Doctoral Dissertation, Energy Systems Laboratory, Texas A&amp;M University</i> .	Cho, Sool Yeon	NYP
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<a href="#">ESL-TR-08-10-01</a>	Recommendations for 15% Above-Code Energy Efficiency Measures on Implementing Houston Amendments to Multi-Family Buildings in Houston, Texas	Liu, Z.; Mukhopadhyay, J.; Malhotra, M.; Kota, S.; Haberl, J.; Culp, C.; Yazdani, B.	NYP
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<a href="#">ESL-TR-08-11-02</a>	Recommendations for 15% Above-Code Energy Efficiency Measures on Implementing Houston Amendments to Single-Family Buildings in Houston, Texas	Liu, Z.; Mukhopadhyay, J.; Malhotra, M.; Kota, S.; Haberl, J.; Culp, C.; Yazdani, B.	NYP
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