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(0.10) 420 0170	San Ramon, CA 94583		Niagara Mohawk Power Corporation 300 Erie Blvd. West Syracuse, NY 13202	
			(0.0) 120 0770	

Fleury, Fredrick J. Electrical Load Characteristics of Superinsulated Multifamily Housing: A Case Study	2.175	Gadsby, Kenneth Research on Radon Movement in Buildings in Pursuit of Optimal Mitigation	1.42
Orchard Park Management Apt. H 1253 Orchard Ave. Springfield, IL 62702 (217) 787 2288		Center for Energy and Environmental Studies Engineering Quad Princeton University Princeton, NJ 08544 (609) 452 6424	
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Consolidated Edison Company of New York, Inc. 4 Irving Place New York, NY 10003		Northeast Utilities Service Company P.O. Box 270 Hartford, CT 06141-0270 (203) 721 2658	
(212) 460 6256 Flora, Denlse An Algorithm to Disaggregate Commercial Whole-Building Hourly Electrical Load into End Uses	10.13	Gamble, Joan Energy Efficiency as the Center of an Electric Utility's Corporate Marketing Plan	8.184
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901 18th Street Los Alamos, NM 87544 (505) 662 0054		Gardner, Carol Advanced Energy Design and Operation Technologies	3.32
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Gardner, Margaret		Goett, Andrew A.
A Review of Conservation Experience in the Pacific Northwest and Some Policy Issues Raised	8.26	Customer Participation and Load Im- 6.55 pacts of the PG&E Voluntary Residential Time-Of-Use Experiment
Northwest Power Planning Council Suite 1100 851 S.W. Sixth Ave. Portland, OR 97204 (503) 222 5161		Cambridge Systematics Suite 305 2855 Telegraph Avenue Berkeley, CA 94705 (415) 843 9390
Geller, Howard Lessons from Utility Experimentation with Appliance Efficiency Incentive Pro- grams American Council for an Energy Efficient Economy Suite 535 1001 Conn. Ave. N.W. Washington, DC 20006 (202) 429 8873	6.50	Goldberg, Mirlam L. Ghosts of NBECS Past, Present and Fu- 10.135 ture: The Evolution of the Nonresidential Buildings Energy Consumption Survey U.S. Energy Information Administration EI-651 1000 Independence Ave SW Washington, DC 20585 (202) 586 1129 Golden, Philip J.
George, Stephen S. What are the Net Impacts of Residential Rebate Programs? XENERGY, Inc. Suite 1100 1970 Broadway Oakland, CA 94612 (415) 891 0446 Gettings, Michael	9.71	Equipment Submetering to Verify 3.126 Demand Reduction Claims of Selected Measures of a Commercial Rebate Program: Four Case Studies ANCO of Wisconsin, Inc. P-226 231 W. Michigan Milwaukee, WI 53203 (414) 221 4801
Military EMCS: Implications for Utilities, Cities, and Energy Services Oak Ridge National Laboratory Bldg. 5500A P.O. Box 2008 Oak Ridge, TN 37831-6366 (615) 574 4506 Gladhart, Peter M.	3.157	Goldman, Charles A. An Updated Compilation of Measured Energy Savings in Retrofitted Multifamily Buildings Lawrence Berkeley Laboratory B90H One Cyclotron Rd. Berkeley, CA 94720 (415) 486 7287
The Takeback Effect in Low-Income Weatherization: Fact or Fiction?	9.199	Goldstein, David
Reported Versus Actual Thermostat Set- tings: A Management Perspective Michigan State University Institute for Family & Child Study College of Human Ecology East Lansing, MI 48824 (517) 353 6617	11.15	Deriving Power Budgets for Energy- Efficient Lighting in Non-Residential Buildings National Resources Defence Council Suite 620 90 New Montgomery San Francisco, CA 94102 (415) 777 0220

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Pacific Energy Assoc. 3333 N.E. 18th Ave. Portland, OR 97212 (503) 282 6543		Haberl, Jeff Use of Metered Analyis Data to Improve Building Operation and Maintenance:	3.98
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Lawrence Berkeley Laboratory B90H One Cyclotron Rd. Berkeley, CA 94720		Princeton University Princeton, NJ 08544 (609) 452 5677	
(415) 486 7287		Hackett, Bruce	
Griffin, Karen How Insulated are California's Homes? Field Inspection and Survey Data on	9.84	Social and Engineering Models of Residential Energy Consumption: An Empirical Examination	11.71
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1516 Ninth Street Sacramento, CA 95814 (916) 324 3104		(916) 752 0782 Hagan, Daniel A. A Monthly Audit Procedure for Appliance	10.139
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Occupant Use Factors Influencing Optimal Results from Energy Conservation Strategies		Engineering Studios Suite 10	
North Carolina A & T State University Housing Research		109 East Main Bozeman, MT 59715 (406) 587 2988	
154 Carver Hall Greensboro, NC 27411 (919) 334 7759		Hall, Nicholas P. A Residential High Efficiency Furnace Replacement Program in Illinois: An Ex- amination of Energy Savings and Relat- ed Consumer Behavior	9.22
		Illinois Department of Energy and Natural Resources 325 West Adams, Room 300 Springfield, IL 62704 (217) 785 3445	

Hallin, Per-Olof Hanlen, Richard C. Households and the Changing Energy Comparison of the Performance and En-4.11 Situation ergy Savings Potential of Heat Pump, Solar, and Conventional Water Heaters Department of Social & Economic Geography in the Pacific Northwest University of Lund Solvegatan 13 Pacific Northwest Laboratory S-223 62 LUND, P.O. Box 999 **SWEDEN** Richland, WA 99352 46 46 108406 (509) 376 0776 Halverson, Mark A. Harris, Jeffrey P. Dealing with Data in Large End-Use 10.151 An Updated Compilation of Measured 2.75 Load Metering Projects: Data Quality Energy Savings in Retrofitted Multifamily and Data Access Buildings The Experience of Energy Conservation 5.124 Pacific Northwest Laboratory Programs with New Commercial Build-P.O. Box 999 Richland, WA 99352 ings (509) 375 2108 The Sum of Megabytes Equals 3.181 Gigawatts: Energy Consumption and Hamzawi, Ednan Efficiency of Office PC's and Related Energy Consumption by Computers and 3.169 Equipment Miscellaneous Equipment in Commercial Lawrence Berkeley Laboratory **Buildings B90H** California Energy Commission One Cyclotron Road MS 22 Berkeley, CA 94720 1516 9th Street (415) 486 4362 Sacramento, CA 95814 (916) 324 3109 Harris, Louis R. Case Study of the North Carolina Alter-5.58 Han, Insook native Energy Corporation (NCAEC) Economic and Policy Implications of In-8.264 U.S. Dept. of Energy tegrated Resource Planning in the Utility **CE-222** Sector Forrestal Building University of Delaware Washington, DC 20585 Center for Energy and (202) 586 9794 Urban Policy Research Newark, DE 19716 Harrje, David (302) 451 1706 Research on Radon Movement in Build-1.42 ings in Pursuit of Optimal Mitigation Hanauer, Scott Center for Energy and Modeling the Residential Sector Using 10.264 **Environmental Studies** Conditional Demand Analysis and Inno-**Engineering Quad** vative End Use Metering: An Integrated **Princeton University** Approach Princeton, NJ 08544 City Water Light & Power (609) 452 6424 **Room 100** Municipal Building Springfield, IL 62757

(217) 789 2070

Hartnett, John W.		Heller, Jonathan
Assessing Demand-Side Program Strategies Niagara Mohawk Power	8.82	Methodology and Results of Blower 2.11 Door Testing in Small Multi-Family Buildings
Corporation 300 Erie Blvd. West Syracuse, NY 13202 (315) 428 5280		Ecotope, Inc. 2812 East Madison Seattle, WA 98112 (206) 322 3753
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Lawrence Berkeley Laboratory Bldg 90H One Cyclotron Road Berkeley, CA 94720 (415) 486 4890		Establishment Bldg. Research Station Garson Watford WD2 7JR, UNITED KINGDOM (923) 664517
Hawley, Thomas E. Wisconsin Electric and the Smart Money Energy Program	6.70	Hewett, Martha J. Non-Heating Electric Use and Conservation Potential Among Energy Assistance
Wisconsin Electric Power Room A415 P.O. Box 2046 Milwaukee, WI 53201 (414) 449 3030		Program Recipients in Minneapolis Minneapolis Energy Office 330 City Hall Minneapolis, MN 55415 (612) 348 4835
Heidell, James A.		Hewltt, David
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Synergic Resources Corp. Suite 1018 1511 Third Ave. Seattle, WA 98101 (206) 624 8508		Portland Energy Office Room 545 1120 S.W. Fifth Ave. Portland, OR 97204 (503) 796 7222
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Lawrence Berkeley Laboratory Bldg 90H One Cyclotron Road Berkeley, CA 94720 (415) 486 5137		Berkeley, CA 94720 (415) 486 6493

Hicks, Elizabeth Holt, Edward A. Using the New England Electric System 8.97 A Commercial Lighting Education and 3.112 Least Cost Planning Model for Planning Research Facility for the Pacific and Evaluating Conservation and Load Northwest Management Programs Seattle City Light **New England Power Service Company** Room 804 25 Research Drive 1015 Third Avenue Westboro, MA 01582 Seattle, WA 98104 (617) 366 9011 (206) 684 3703 Hirst, Eric Hopkins, Mark Incorporating Uncertainty into Electric Applying the Best Technology to Assist 5.62 Utility Long-Term Planning and Decision Low-Income Households: Program Making Results. Research, Findings, Recommendations Oak Ridge National Laboratory MS 206 Alliance to Save Energy Bldg. 4500N, P.O. Box 2008 Suite 206 Oak Ridge, TN 37831 1925 K Street N.W. (615) 574 6304 Washington, DC 20006 (202) 857 0666 Hobbie, Lynn Hopkins, Mary Ellen F. Plan, Do, Check, Act: Integrated Plan- 8.116 ning at Two Wisconsin Utilities Gas Cooling vs. Thermal Energy 4.61 Storage: Peak-Shaving Options Madison Gas & Electric MEUS Dept. American Gas Association P.O. Box 1231 1515 Wilson Blvd. Madison, WI 5370I-1231 Arlington, VA 22209 (608) 252 4760 (703) 841 8495 Hobson, Claire A. Hornstein, Karin Energy Efficiency Decision-Making in Technology Transfer for Energy Efficient 3.140 6.75 Chains and Franchises Design of Midsize Buildings Bonneville Power Admin. University of Minnesota **RMCC** 110 Architecture Blda. 905 N.E. 11th Ave. 89 Church St. S.E. Portland, OR 97232 Minneapolis, MN 55455 (503) 230 7513 (612) 624 5236 Hoeschele, Marc A. Horowitz, Marvin J. Three-Function Thermal Storage Heat 1.55 A Comparison of Methodologies and 9.34 Pumps Applied to Single Family Homes Their Impact on Results From Two in Sacramento: Parametric Sizing Weatherization Programs: The Pacific Evaluations and Utility Economics Northwest and Wisconsin Davis Energy Group, Inc. **ERC Portland Division** 123 C Street Suite 520 Davis, CA 95616 621 S.W. Alder (916) 753 1100 Portland, OR 97205 (503) 241 0858

Huang, Yu Joe The Impact of Summer Heat Islands on Cooling Energy Consumption and CO2 Emmissions	5.11	Ivey, Dlana L. Influences of Energy Conservation in Three Multi-Family Buildings in the Pa- cific Northwest	2.102
Computer Analysis of the Energy Performance of Unbalanced Single-Pipe Steam Heating Systems in Older Multi-Family Buildings	2.89	Seattle City Light Room 818 1015 Third Ave Seattle, WA 98104-1198	
The Cost-Effectiveness of Foundation Insulation Measures: Results from the Building Foundation Design Handbook Lawrence Berkeley Laboratory	1.29	(206) 684 3762 Jackson, Mark Results from Long-Term Monitoring of Energy-Efficient and Current Practice	9.46
Bldg. 90-3125 One Cyclotron Road Berkeley, CA 94720 (415) 486 7082		Housing in Montana Montana Department of Natural Resources 1520 E. Sixth Ave.	
Hubbard, Lynn Research on Radon Movement in Build- ings in Pursuit of Optimal Mitigation	1.42	Helena, MT 59620 (406) 444 6697 Jacobson, Bonnie Brown	
Center for Energy and Environmental Studies Engineering Quad Princeton University Princeton, NJ 08544 (609) 452 6424		Demand Management Development Decision Matrix for Low-Income/Special Needs Customers: A Program Ranking and Marketing Tool Northeast Utilities Service Co. P.O. Box 270	6.89
Hurwitch, Jonathan W. Battery Storage: A Novel Approach to Building Electricity Management	3.120	Hartford, CT 06141-0270 (203) 665 5030	
Energetics, Inc. 9210 Route 108 Columbia, MD 21045 (301) 992 4000		Jacobson, Dave An Integrated Approach for Evaluating DSM Programs Northeast Utilities 100 Corporate Place Rocky Hill, CT 06067	8.233
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Ninety Projects in Oregon Bonneville Power Admin. LCB		Designing the Least Cost/Most Effective Financial Incentives in the Commercial Sector	6.101
P.O. Box 3621 Portland, OR 97208 (503) 230 4212		Bonneville Power Admin. RMCC P.O. Box 3621 Portland, OR 97208 (503) 230 7502	

Jaske, Michael		Karnitz, Michael A.	
Changing Needs in Electricity Demand Forecasting: A California Perspective California Energy Commission MS 22 1516 Ninth St. Sacramento, CA 95814	8.70	Energy Measurements of Attic Radiant Barriers Installed in Single-Family Houses Oak Ridge National Laboratory Bldg. 5500 P.O. Box 2008	1.81
(916) 324 3094		Oak Ridge, TN 37831-6291	
Jolin, Stephen		(615) 574 5150	
Hybrids: New Generation of ESCOS? Pacific Energy Assoc. 4823 S.W. Barbur Blvd.	7.70	Katrakis, John Measured Results of Energy Retrofits in Buildings of Non-Profit Agencies	3.201
Portland, OR 97201 (503) 227 0422		Chicago's Residential Energy Conserva- tion Loan Fund: A Preliminary Evalua- tion of Its Impact on Multifamily Buildings	2.38
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Measures of a Commercial Rebate Program: Four Case Studies ANCO of Wisconsin, Inc.		Center for Neighborhood Technology 2125 W. North Avenue Chicago, IL 60647 (312) 278 4800	
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231 W. Michigan Milwaukee, WI 53203 (414) 221 4847		Katz, Arnie The "Self-Help" Approach to Energy Efficiency in Small Nonprofit Agencies	7.92
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Sacramento Municipal Utility District P.O. Box 15830		Katz, Gail Energy Efficiency Decision-Making in Chains and Franchises	6.75
Sacramento, CA 95813 (916) 732 5477		Seton, Johnson, & Odell 133 S.W. Second Ave.	
Kammerud, Ronald C. An Estimate of Aggregate Energy Sav-	9.9	Portland, OR 94204 (503) 226 3921	
ings due to the DOE Institutional Con- servation Program		Katz, Martin	
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One Cyclotron Road Berkeley, CA 94720 (415) 486 4890		Cost Efficiency Analysis of Design Op- tions to Improve the Energy Efficiency of Refrigerator-Freezers and Freezers	4.119
		ADM Associates, Inc. 3299 Ramos Circle Sacramento, CA 95827 (916) 363 8383	

Development of Uniform Testing Pro-	4.70	Kerwin, Joyce J. Hybrids: New Generation of ESCOS?	7.70
cedures for Commercial Cooking Appliances - Phase I: Griddles Pacific Gas & Electric 3400 Crow Canyon Rd. San Ramon, CA 94583	4.70	Building Resources Management Corp. Suite 100 1956 Webster Oakland, CA 94612	7.70
(415) 866 5529		(415) 446 1949	
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Bonneville Power Adm. Program Eval. Section-RPEB P.O. Box 3621 Portland, OR 97208 (503) 230 5857		Synergic Resources Co. Suite 1018 1511 Third Avenue Seattle, WA 98101 (206) 624 8508	
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Kempton, Willett		(202) 586 9111	
The Consumer's Energy Information Environment	11.50	Kolb, James O. Infiltration Testing of Homes Construct-	1.68
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Center for Energy and Environmental Studies Engineering Quad Princeton University Princeton, NJ 08544 (609) 452 5234		Oak Ridge National Laboratory Bldg. 3550 X-10 P.O. Box 2008 Oak Ridge, TN 37831-6291 (616) 574 5179	

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Princeton, NJ 08544 (609) 452 4684 Koomey, Jonathan		Kroner, Walter M. An Energy Conservation Design Guide	3.228
Promoting Efficiency Investments in New Buildings Lawrence Berkeley Laboratory	8.129	for Commercial Office Buildings Center for Architectural Research Rensselaer Polytechnic Troy, NY 12180	
Bldg. 90-3125 One Cyclotron Road Berkeley, CA 94720 (415) 486 5974		(518) 266 6461 Kunka, JIII Utility Interest in Economic Development: An Opportunity to Promote Effi-	6.116
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What are the Net Impacts of Residential Rebate Programs? Combining DSM Cost-Effectiveness Methods into an Integrated Resource Planning Context: Implementation Is-	9.71 8.142	American Public Power Assoc. Energy Services Exchange 2301 M St. N.W. Washington, DC 20037 (312) 257 6702	
sues		Kunkle, Rick	
Xenergy, Inc. 964 Leo Way Oakland, CA 94611 (415) 428 0763		Costing Analysis of Design Options for Residential Appliances and Space Con- ditioning Equipment	4.66
Krabacher, Shirlee The Takeback Effect in Low-Income	9.199	Cost Efficiency Analysis of Design Op- tions to Improve the Energy Efficiency of Refrigerator-Freezers and Freezers	4.119
Weatherization: Fact or Fiction?	=	Lawrence Berkeley Laboratory	
Reported Versus Actual Thermostat Set- tings: A Management Perspective Michigan State University Institute for Family & Child Study	11.15	Bidg. 90-3125 One Cyclotron Road Berkeley, CA 94720 (415) 486 6493	
College of Human Ecology East Lansing, MI 48824 (517) 485 7513		Kushler, Martin A Case Study in Program Improvement: The Development and Evaluation of a	9.58
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Field Investigation of Residential Heat- ing Duct Leakage	1.157	An Estimate of Aggregate Energy Savings due to the DOE Institutional Con-	9.9
Lambert Engineering, Inc. 601 N.W. Harmon Bend, OR 97701 (503) 388 2623		servation Program Lawrence Berkeley Laboratory Bldg 90H One Cyclotron Road	
Langston, Vicky C. Changing Housing Needs with Age: Lifestyle and Attitude Implications for Elec-	11.67	Berkeley, CA 94720 (415) 486 4890 LeConlac, Patrick	
tricity Use and Management Lower Colorado River Authority		An Algorithm to Disaggregate Commercial Whole-Building Hourly Electrical	10.13
P.O. Box 220, AD 203 Austin, TX 78767		Load into End Uses Lawrence Berkeley Laboratory	
(512) 473 4007		Bidg 90H One Cyclotron Road	
LaVine, Lance Technology Transfer for Energy Efficient Design of Midsize Buildings	3.140	Berkeley, CA 94720 (415) 486 4740	
University of Minnesota 110 Architecture Bldg. 89 Church St. S.E.		Lee, Allen D. Evaluation of DOE's Partners in Low- Income Residential Retrofit Program	5.37
Minneapolis, MN 55455 (612) 624 5236		Pacific Northwest Laboratory P.O. Box 999	
Layne, Linda The Consumer's Energy Information En-	11.50	Richland, WA 99352 (509) 230 7584	
vironment		Lent, Tom	
New York University Department of Anthropology 25 Waverly Place		Quick Savings Estimates with GSTEAM: The GRASP Short Term Energy Analysis Method	10.42
New York, NY 10003 (201) 420 7983		Cutting Cool Watts: Helping Low Income Philadelphians Reduce Non Heating Electricity Use	7.73
Le Baron, B. A. Comparison of the Performance and Energy Savings Potential of Heat Pump, Solar, and Conventional Water Heaters in the Pacific Northwest Pacific Northwest Laboratory P.O. Box 999 Richland, WA 99352 (509) 375 3898	4.11	Energy Coordinating Agency of Philadelphia 1501 Cherry St. Philadelphia, PA 19102 (215) 854 8030	
		Lerman, David An Analysis of Comparative Efficiencies of Domestic Water Heaters in the Pacific Northwest	4.104
		Pacific Energy Assoc. 3333 N.E. 18th Ave. Portland, OR 97212 (503) 282 6543	

Levin, Per		Lubliner, Michael	
Air Infiltration and Ventilation Systems Royal Institute of Technology EHUB S-100, Box X	2.121	The Residential Construction Demons- tration Project Air-To-Air Heat Ex- changers Performance Monitoring Washington State Energy Office	1.92
44 Stockholm, SWEDEN 468-790 84 23		FA-11 809 Legion Way S.E. Olympia, WA 98504-1211	
Levins, William P.		(206) 586 5022	
Energy Measurements of Attic Radiant Barriers Installed in Single-Family Houses	1.81	Lucas, Robert Adjustment of Residential Heating Loads Predicted by Degree Day Models Across Climate Zones in the Pacific Northwest	10.96
Oak Ridge National Laboratory Bldg. 5500 P.O. Box 2008 Oak Ridge, TN 37831-6291 (615) 574 2018		Battelle Pacific Northwest Laboratories P.O. Box 999 Richland, WA 99352	
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Evaluating Options for the Conversion of Two Pipe Steam Heating Systems to Hot Water Heat: A Bidding and Specifi-	2.132	Luster, Susan The "Self-Help" Approach to Energy Efficiency in Small Nonprofit Agencies	7.92
cation Guide Minneapolis Energy Office 330 City Hall Minneapolis, MN 55415 (612) 348 6234		North Carolina Alternative Energy Corp. P.O. Box 12699 Research Triangle Park, NC 27709 (919) 549 9046	
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North Carolina Alternative Energy Corp. P.O. Box 12699 Research Triangle Park, NC 27709		Department of Sociology University of California Davis, CA 95616 (916) 752 0782	
(919) 549 9046		MacDonald, Michael	
Lovell, Anthony M. Research on Radon Movement in Build-	1.42	Military EMCS: Implications for Utilities, Cities, and Energy Services	3.157
ings in Pursuit of Optimal Mitigation		Oak Ridge National Laboratory Bldg. 3147	
Center for Energy and Environmental Studies		P.O. Box 2008	
Engineering Quad Princeton University Princetori, NJ 08544		Oak Ridge, TN 37831-6366 (615) 574 5187	
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Matthews, Barbara An Analysis of Heat Pump Performance in Seattle	4.37	McKeller, Barbara Demand-Side Planning Program Evaluation: Wisconsin Power and Light's Ex-	6.129
Synergic Resources Co. Suite 1018 1511 Third Avenue Seattle, WA 98101 (206) 624 8508		perience Plan, Do, Check, Act: Integrated Plan- ning at Two Wisconsin Utilities Modeling Considerations for Integrated Planning	8.116 8.162
McBride, John R. Events The Third Variable in Daily Household Energy Consumption The Critical Needs Weatherization	11.11 5.81	Wisconsin Power & Light 222 West Washington Ave P.O. Box 192 Madison, WI 53701 (608) 252 3311	
Research Project National Center for Appropriate Technology 3040 Continental Dr. Butte, MT 59702 (406) 494 4572		McMahon, James E. Cost Efficiency Analysis of Design Options to Improve the Energy Efficiency of Refrigerator-Freezers and Freezers Lawrence Berkeley Laboratory	4.119
McDonald, Craig Integrated Evaluation of Costs and Benefits of Demand-Side Management Programs	8.147	Bldg. 90-3125 One Cyclotron Road Berkeley, CA 94720 415 486 6049	
Synergic Resources Corp. Suite 127 111 Presidential Blvd. Bala Cynwyd, PA 19004 (215) 667 2160		McRae, Marjorle Use of Commercial Energy Efficiency Measure Service Life Estimates in Program and Resource Planning	3.83
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Positioning for Success in Multi-Sector Energy Campaigns: Community Selec- tion Techniques North Carolina Alternative Energy Corp. P.O. Box 12699 Research Triangle Park, NC 27709	7.77	Xenergy, Inc. Suite 1100 1970 Broadway Oakland, CA 94612 (415) 891 0446	
(919) 549 9046			

Meier, Alan		Miller, Peggy	
A Comparison of Field and Laboratory Measurements of Residential Refrigera- tor Energy Use	4.50	How Insulated are California's Homes? Field Inspection and Survey Data on Residential Insulation	9.84
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Lawrence Berkeley Laboratory B90H One Cyclotron Road Berkeley, CA 94720 (415) 486 4740		Misuriello, Harry Evaluation of Seven Home Energy Rating Programs for Existing Single-Family Homes	6.191
Michaels, Harvey G. Bulk Purchase of Conservation by Competitive Bid Xenergy, Inc.	6.140	WS Fleming & Assoc. 537 Fifth St SE Washington, DC 20003 (202) 543 7212	
60 Mall Road Burlington, MA 01803 (617) 273 5700		Modera, Mark Jacket and Stack Losses from Multifami- ly Boilers	2.148
Miller, Barbara A Study of Ventilation in an Energy- Efficient Home Using the Perfluorocar- bon Tracer Technique National Center for	1.105	Lawrence Berkeley Laboratory Bldg. 90-3074 One Cyclotron Road Berkeley, CA 94720 (415) 486 4678	
Appropriate Technology P.O. Box 3838 Butte, MT 59702 (406) 494 4572		Moen, Jan Energy Conservation (ECON) Modelling Oslo Electricity Works Energy Conservation	9.97
Miller, Eric Policy Implications of Relying on Energy Conservation as an Acid Rain Control Strategy	5.42	P.O. Box 2481 Solli N-0202 Oslo 2, NORWAY 47 2 43 59 50	
AES Environmental Services, Inc. 1925 N. Lynn St. Suite 1200 Arlington, VA 22209		Molodetz, Stephen C. Assessing Demand-Side Program Strategies Niagara Mohawk Power Corp.	8.82
(703) 522 1315 Miller, Nancy Thermal Characterization Based on High Time Resolution End-Use Metered Data	10.219	300 Erie Blvd. West Syracuse, NY 13202 (315) 428 5776	
Pacific Northwest Laboratory P.O. Box 999 Richland, WA 99352 (509) 375 2804		Monts, Ken System Load Impacts of Demand-Side Management at a Municipal Utility City of Austin Electric Utility Dept. P.O. Box 1088 Austin, TX 78767 (512) 322 6367	8.168

Mulder, Dave Modeling Considerations for Integrated 8.162 Planning Wisconsin Power & Light 222 West Washington Ave P.O. Box 192 Madison, WI 53701 (608) 252 5064	Neumeyer, Don Effectiveness of Boiler Control Retrofits on Small Multifamily Buildings in Wisconsin Wisconsin Power & Light Company 7617 Mineral Point Rd Madison, WI 53717-1699 (608 252 3238	2.51
Mystakides, Elizabeth The Massachusetts Electric Refrigerator 9.109 Rebate Program: Accomplishments and Planning Guides	Nevitt, Robert Evaluating the Performance of a New High Efficiency Commercial Tank Water Heater	2.155
New England Power Service Company 25 Research Drive Westborough, MA 01582 (617) 366 9011	Evaluation of Front-End Boiler Retrofits in Two Multifamily Buildings Energy Resource Center 427 St. Clair Avenue	2.159
Nadel, Steven Utility Commercial/Industrial Lighting In- 6.153 centive Programs: A Comparative Evaluation of Three Different Approaches Used by the New England Electric System	St Paul, MN 55102 (612) 227 7847 Newcomb, Tim M. Seattle City Light's Industrial Retrofit Demonstration Project Uses Quasi- Experimental Research Design and Me-	9.122
New England Power Service Co. 25 Research Dr. Westboro, MA 01582 (617) 366 9011 Neal, Leon	tering to Measure Savings Seattle City Light Room 804 1015 Third Avenue Seattle, WA 98104	
Residential Air-Conditioning Field Per- formance Status and Future Priorities North Carolina Alternative Energy Corp. P.O. Box 12699 Research Triangle Park, NC 27709	(206) 684 3296 Newman, Paul C. Reinventing the WHEEL: An Integrated Approach to Energy Efficiency in the Rental Housing Sector Public Service Commission	5.28
(919) 549 9046 Nelson, Gary D. Evaluation of Front-End Boiler Retrofits 2.159 in Two Multifamily Buildings	of Wisconsin P.O. Box 7854 Madison, WI 53704 (608) 267 5112	
Minneapolis Blower Door 4723 Upton Ave South Minneapolis, MN 55410 (612) 929 6949	Nguyen, H. Dan Energy Consumption by Computers and Miscellaneous Equipment in Commercial Buildings California Energy Commission MS 22 1516 9th Street	3.169

Sacramento, CA 95814 (916) 324 3109

Nicholson, W. L. Norland, Douglas Comparison of the Performance and En-4.11 Comprehensive Assessment of a Con-6.166 ergy Savings Potential of Heat Pump. servation and Load Reduction Program: Solar, and Conventional Water Heaters Results of the General Public Utilities in the Pacific Northwest Case Study Pacific Northwest Laboratory Alliance to Save Energy P.O. Box 999 Suite 206 Richland, WA 99352 1925 K Street N.W. (509) 375 3898 Washington, DC 20006 (202) 857 0666 Nickel, Judy Development of Uniform Testing Pro-Norton, Rita 4.70 cedures for Commercial Cooking Appli-Energy Master Planning for Local 3.197 ances - Phase I: Griddles Government Projects PG&E Learning Center Office of Environmental Management 2211 Camino Ramon City of San Jose San Ramon, CA 94583 801 N. First St Rm 460 (415) 838 7561 San Jose, CA 95110 (408) 277 5538 Nordman, Bruce The Incremental Value of Monitored 10.169 Nortz, William Building Energy Data Measured Results of Energy Retrofits in **Buildings of Non-Profit Agencies** Outdoor-Indoor Temperature Relation- 10.173 ships Center for Neighborhood Technology Lawrence Berkeley Laboratory 2125 W. North Ave. 90-H Chicago, IL 60647 One Cyclotron Road (312) 278 4800 Berkeley, CA 94720 (415) 486 7089 Ogden, Joan Accounting for Uncertainty in Technolo-Norford, Leslie K. 4.99 gy Assessment: The Case of Cooling Fan Energy Savings: Analysis of a Vari-3.51 **Technologies** able Speed Drive Retrofit Sum of Megabytes Equals The Center for Energy and 3.181 Gigawatts: Energy Consumption and **Environmental Studies** Efficiency of Office PC's and Related **Engineering Quad Equipment** Princeton University Princeton, NJ 08544 Center for Energy and (609) 452 5470 **Environmental Studies Engineering Quad** Oliver, Bruce **Princeton University** Economic and Policy Implications of In-8.264 Princeton, NJ 08544 tegrated Resource Planning in the Utility (609) 452 5164 Sector University of Delaware Center for Energy and

Urban Policy Research Newark, DE 19716 (302) 451 1706 Oisen, Karen Parker, Danny S. The Cost-Effectiveness of Foundation 1.29 Development of a Data Base to Charac- 10.188 Insulation Measures: Results from the terize the Small Commercial Sector: A New Jersey Example Building Foundation Design Handbook Northwest Power Planning Council Center for Energy and **Environmental Studies** Capitol Station **Engineering Quad** Helena, MT 59620 (406) 444 3952 Princeton University Princeton, NJ 08544 Parti, Michael (609) 452 6260 A Comparison of Conditional Demand 10.203 O'Neill, Maura L. Estimates of Residential End-Use Load Energy Efficiency as the Center of an Shapes with Load Shapes Derived from 8.184 Electric Utility's Corporate Marketing End-Use Meters Plan **Applied Econometrics** O'Neill & Company, Inc. 331 Ninth Street Del Mar, CA 92014 2020 East Galer Seattle, WA 98112 (619) 755 1266 (206) 323 0377 Patel, Rusi F. Palermini, Debbi 4.24 Gas-Fired Cooling Systems Create En-Understanding What Motivates Multi-7.57 ergy Cost Savings in Commercial Build-Family Property Owners ings Portland Energy Office Arthur D. Little, Inc. Room 545 20 Acorn Park Cambridge, MA 02140 1120 S.W. Fifth Ave. Portland, OR 97204 (617) 864 5770 (503) 796 7222 Pearson, Eric W. Palmborg, Christer Thermal Characterization Based on High 10.219 Time Resolution End-Use Metered Data Energy Related Social Habits - Com- 11.100 parisons Between Households Living in Pacific Northwest Laboratory Single-Family and Multi-Family Homes P.O. Box 999 **Energy Economizing** Richland, WA 99352 Box 4042 (509) 375 2285 S-182 04 Enebyberg, Pedersen, Preben Buhl SWEDEN Possibilities for Electricity Conservation 5.86 Palmiter, Larry in the Public Sector in Denmark Analysis of Agreement Between Predict-10.71 Technical University of ed and Monitored Annual Space Heat Denmark Use for a Large Sample of Homes in the Build 309 C Pacific Northwest DK-2800 Lyngby, A Study of Ventilation in an Energy-1.105 DENMARK Efficient Home Using the Perfluorocar-02 88 16 11 bon Tracer Technique

Ecotope, Inc. 2812 E. Madison St. Seattle, WA 98112 (206) 322 3753

Peters, Jane S.		Pirkey, Diane B.	
Lessons in Industrial Conservation Program Design	6.177	Energy Conservation Potential: A Review of Eight Studies	5.99
ERC Portland Division Suite 520 621 S.W. Alder Portland, OR 97205		U.S. Dept. of Energy PE-40 1000 Independence Ave SW Washington, DC 20585	
(503) 241 0858		(202) 586 4447	
Peterson, George A. Evaluating Options for the Conversion of Two Pipe Steam Heating Systems to Hot Water Heat: A Bidding and Specifi- cation Guide	2.132	Plunkett, John The Role of Revenue Losses in Evaluating Demand-Side Resources: An Economic Re-Appraisal	8.197
Building Resources Management Corp. Suite 475		Komanoff Energy Assoc. 38 South Main Street Wallingford, VT 05773 (802) 446 2400	
1956 Webster Street Oakland, CA 94612 (415) 446 2949		Potter, Thomas F. Vacuum Insulating Window R & D: An Update	3.21
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Situation Deparment of Social and Economic Geography University of Lund Solvegatan 13 S-223 62 Lund,		Solar Energy Research Institute 1617 Cole Blvd. Golden, CO 80401 (303) 231 1083	
SWEDEN 46 46 108406		Prahl, Ralph Evaluation for PUCs	9.126
Plette, Mary Ann Measured Energy Performance of Cool Storage in Commercial Buildings: An Update of BECA-LM	3.214	Public Service Commission of Wisconsin 4802 Sheboygan Avenue Madison, WI 53707 (608) 266 7407	
Lawrence Berkeley Laboratory B90H One Cyclotron Road Berkeley, CA 94720 (415) 486 4557		Pratt, Jeff Understanding What Motivates Multi-Family Property Owners Portland Energy Office	7.57
Plgg, Scott Effectiveness of Boiler Control Retrofits on Small Multifamily Buildings in Wisconsin	2.51	Room 545 1120 S.W. Fifth Ave. Portland, OR 97204 (503) 796 7222	
Wisconsin Energy Conservation Suite 117 1045 E. Dayton St. Madison, WI 53703 (608) 256 1680			

Pratt, Robert G. The Effects of Model Simplifications on Equivalent Thermal Parameters Calculated from House Building References	10.268	Rabl, Ari Accounting for Uncertainty in Technology Assessment: The Case of Cooling	4.99
Pacific Northwest Laboratory P.O. Box 999 Richland, WA 99352		Technologies The Sum of Megabytes Equals Gigawatts: Energy Consumption and Efficiency of Office PC's and Related Equipment	3.181
(509) 375 3648 Prindle, William "Pooled" Performance Contracting for Nonprofit Agencies Alliance to Save Energy Suite 206	7.96	Centre d'Energetique Ecoles des Mines 60 Bd Saint Michel 75272 Paris, CEDEX 06 FRANCE 42 34 9I 52	
1925 K Street N.W. Washington, DC 20006 (202) 857 0666		Rainer, Leo The Impact of Summer Heat Islands on Cooling Energy Consumption and CO2 Emmissions	5.11
Puckett, Curt D. End-Use Metering at Consumers Power Company Consumers Power Company Room M425A	10.231	Lawrence Berkeley Laboratory Bldg. 90-H One Cyclotron Road Berkeley, CA 94720 (415) 486 7473	
212 W. Michigan Ave Jackson, MI 49201 (517) 788 1536		Reed, John H. Patterns of Electric Water Heater Use	11.113
Pultz, Ross Policy Implications of Relying on Energy Conservation as an Acid Rain Control Strategy Office of the Consumers' Council 137 East State Street	5.42	and the Effects of Water Heater Load Control on Customers Oak Ridge National Laboratory Bldg. 4500N MS-207 P.O. Box 2008 Oak Ridge, TN 37831 (615) 576 5042	
Columbus, OH 43266-0550 (614) 466 9479		Reld, Michael W. "Pooled" Performance Contracting for	7.96
Quald, Maureen A. Non-Heating Electric Use and Conserva- tion Potential Among Energy Assistance Program Recipients in Minneapolis	11.33	Nonprofit Agencies Conservation in the Rate Base: A Review of Regulatory Practices and Implications	8.215
Measured Energy Savings from Founda- tion Insulation in Minneapolis Single Family Homes	1.118	Alliance to Save Energy Suite 206 1925 K Street N.W.	
Minneapolis Energy Office 330 City Hall Minneapolis, MN 55415 (612) 348 8821		Washington, DC 20006 (202) 857 0666	

Reis, Christopher J. Rizzuto, Joe State/Utility/Community Group Partner-7.107 Residential Applications of Real-Time 6.27 ships Pricina Ohio Dept. of Development An Investigation of Infiltration and Indoor 1.141 Air Quality in New York State Homes **Energy Conservation** P.O. 1001 New York State Energy Research Columbus, OH 43266-0101 & Development Authority (614) 466 6797 2 Rockefeller Plaza Albany, NY 12223 Reynolds, Cathy (518) 465 6251 Reliability Criteria for Weather Adjust- 10.236 ment of Energy Billing Data Robertson, Chris Modeling the Residential Sector Using 10.264 Center for Energy and Conditional Demand Analysis and Inno-**Environmental Studies** vative End Use Metering: An Integrated **Engineering Quad Princeton University** Approach Princeton, NJ 08544 Electrical Load Characteristics of Super-2.175 (609) 452 4774 insulated Multifamily Housing: A Case Study Rich, Daniel City Water, Light & Power Economic and Policy Implications of In-8.264 **Room 100** tegrated Resource Planning in the Utility Municipal Bldg. Sector Springfield, IL 62757 University of Delaware (217) 789 2070 Center for Energy and Urban Policy Research Robinson, David A. Newark, DE 19716 Impact of Envelope Efficiency, Heating 2.57 (302) 451 1706 System Type and Domestic Hot Water System Type Riewer, Shella Evaluation of Front-End Boiler Retrofits 2.159 Model Demonstrating Conservation 1.130 in Two Multifamily Buildings Standards in Manufactured Housing **Robinson Technical Services** Bonneville Power Admin. Suite 151S Conservation Office 1821 University Avenue P.O. Box 3621-RPEB St. Paul, MN 55104 Portland, OR 97208-3621 (612) 646 1695 (503) 230 5473 Robinson, Michael Ritschard, Ronald Conservation and Appliance Technology 3.15 Computer Analysis of the Energy Perfor-2.89 Options for Commercial Buildings mance of Unbalanced Single-Pipe Steam Heating Systems in Older Multi-Pacific Gas & Electric Family Buildings Rm 1180 77 Beale Street Lawrence Berkeley Laboratory San Francisco, CA 94106 Bldg. 90-3125 (415) 972 7524 One Cyclotron Road Berkeley, CA 94720 (415) 486 6328

Robison, David		Ruderman, Henry	
Field Investigation of Residential Heat- ing Duct Leakage	1.157	Cost Efficiency Analysis of Design Options to Improve the Energy Efficiency of	4.119
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(503) 655 4186		Lawrence Berkeley Laboratory	
Rosenfeld, Arthur H. Promoting Efficiency Investments in New Buildings	8.129	Bldg. 90-3125 One Cyclotron Rd. Berkeley, CA 94720 (415) 486 6286	
The Impact of Summer Heat Islands on Cooling Energy Consumption and CO2	5.11	Rufo, Michael W.	
Emmissions		Use of Commercial Energy Efficiency	3.83
Lawrence Berkeley Laboratory 90-3034		Measure Service Life Estimates in Program and Resource Planning	
1 Cycltron Road Berkeley, CA 94720 (415) 486 4834		Performance of Cooling-Only and Heating-Only PRISM Models in Extreme Climates	10.252
Rothstein, Eric P.		XENERGY,Inc.	
System Load Impacts of Demand-Side	8.168	Suite 1100 1970 Broadway	
Management at a Municipal Utility Institutional Barriers to Data Collection	9.139	Oakland, CA 94612	
and Demand-Side Management Pro-	3.103	(415) 891 0446	
gram Evaluation: Practical Lessons in		Scanlon, Timothy	4 404
Political Economy City of Austin		An Analysis of Comparative Efficiencies of Domestic Water Heaters in the Pacific Northwest	4.104
Resource Management Dept. P.O. Box 1088		Bonneville Power Admin.	
Austin, TX 78767		DRES	
(512) 462 6281		P.O. Box 3621 Portland, OR 97208	
Roturier, Jaques The Sum of Megabytes Equals	3.181 A	(503) 230 7489	
Gigawatts: Energy Consumption and		Scheer, Richard M.	
Efficiency of Office PC's and Related Equipment		Energy Conservation Potential: A Review of Eight Studies	5.99
Institut Universitaire de Technologie A University de Bordeaux I 3 Av. de Thouars Talence 33400 CEDEX		Energetics, Inc. 9210 Route 108 Columbia, MD 21045 (301) 992 4000	
FRANCE		Schenck, Ingrid N.	
56 80 76 47		Positioning for Success in Multi-Sector Energy Campaigns: Community Selec- tion Techniques	7.77
		North Carolina Alternative Energy Corp. P.O. Box 12699	
		Research Triangle Park, NC 27709 (919) 549 9046	

Schlegel, Jeffrey

Effectiveness of Boiler Control Retrofits 2.51 on Small Multifamily Buildings in Wisconsin

Blower Door Guided Procedures for Improving the Cost-Effectiveness of Low-Income Weatherization

Wisconsin Energy Conservation Corp. 1045 E. Dayton St., #117 Madison, WI 53703 (608) 256 1620

Schoch, Karen

Predictors of Inefficient Retrofits in Hood 9.213 River Homes

> Pacific Power & Light Room 440 PFFC 920 S.W. Sixth Avenue Portland, OR 97204 (503) 464 5987

Schuldt, Marc

Influences of Energy Conservation in 2.102 Three Multi-Family Buildings in the Pacific Northwest

Conservation Opportunities in Commercial Buildings: Utilizing End-Use Load Data to Simulate and Measure Conservation Savings

United Industries Corp. Suite 120 12835 Bell-Red Rd. Bellevue, WA 98004 (206) 453 8995

Schultz, Don

Combining DSM Cost-Effectiveness Methods into an Integrated Resource Planning Context: Implementation Issues

> California Public Utilities Commission Suite 170 1107 9th Street Sacramento, CA 95814 (916) 324 5835

Schultz, Robert William

Trends in Household Energy Conserva- 11.127 tion Attitudes and Behaviors in the Northwest: 1983-1987

Pacific Northwest Laboratory P.O. Box 999 Richland, WA 99352 (509) 376 1939

Schwartz, Donald

Do Capacity Surpluses and New Utility 8.228 Rates Imperil Conservation?

California Energy Commission 1516 9th Street Sacramento, CA 95814 (916) 324 3488

Sebald, Anthony V.

A Comparison of Conditional Demand 10.203 Estimates of Residential End-Use Load Shapes with Load Shapes Derived from End-Use Meters

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Sharp, W. Conn

State/Utility/Community Group Partner- 7.107 ships

Columbia Gas of Ohio P.O. Box 117 200 Civic Center Drive Columbus, OH 43216-0117 (614) 460 4617

Shaten, Jessica

Impact of Envelope Efficiency, Heating 2.57 System Type and Domestic Hot Water System Type

University of Minnesota 110 Architecture Bldg. 89 Church Street S.E. Minneapolis, MN 55455 (612) 624 5236

8.142

Shen, Lester S. Skumatz, Lisa A. Energy-Related Differences in Residen- 11.131 1.29 The Cost-Effectiveness of Foundation tial Target-Group Customers: Analysis Insulation Measures: Results from the of Energy Usage, Appliance Holdings, Building Foundation Design Handbook Housing, and Demographic Characteris-University of Minnesota tics of Residential Customers 790 C.M.E. Bldg. City of Seattle 500 Pillsbury Dr. S.E. Room 750 Dexter Horton Bldg. Minneapolis, MN 55455 710 Second Ave. (612) 624 9501 Seattle, WA 98104 Sherman, Max (206) 684 7654 ASHRAE's Air Tightness Standard for 1.167 Smith, Gayland Single-Family Houses Refrigeration Energy Savings with Float-4.123 Lawrence Berkeley Laboratory ing Head Pressure Blds. 90-3074 Oregon Dept. of Energy One Cyclotron Rd. 625 Marion Street, NE Berkeley, CA 94720 Salem, OR 97310 (415) 486 4022 (503) 378 6044 Shinn, Robert Smith, Linda K. Marketing Efforts by Gas Utilities to Pro-4.135 4.86 Impacts of Advanced Refrigerator Insumote Cogeneration and Gas Airlation Conditioning 291 Karlann Dr. O'Brien Energy Systems Inc. Black Hawk, CO 80422 225 S. 8th Street (303) 582 5198 Philadelphia, PA 19106 (215) 627 5500 Socolow, Robert H. Research on Radon Movement in Build-1.42 Shorrock, L.D. ings in Pursuit of Optimal Mitigation Energy Efficiency and Consumption in 10.165 the UK Housing Stock Center for Energy and **Environmental Studies Building Research Establishment Engineering Quad** Bldg. Research Station Princeton University Garson Watford WD2 7JR Princeton, NJ 08544 UNITED KINGDOM (609) 452 5446 0923 674040 Spiro, Andrew J. Sinha, Jayant Modeling the Residential Sector Using 10.264 An Integrated Approach for Evaluating 8.233 Conditional Demand Analysis and Inno-DSM Programs vative End Use Metering: An Integrated Synergic Resources Corp. Approach Suite 127 City Water Light & Power 111 Presidential Blvd. Room 100 Bala Cynwyd, PA 19004 Municipal Bldg.

Springfield, IL 62757 (217) 789 2070

(215) 667 2160

Statt, Terry G.		Stokes, Gerald M.	
Energy Impacts of Technical Alterna- tives for Chlorofluorocarbons Used in	4.108	Thermal Characterization Based on High Time Resolution End-Use Metered Data	
Refrigeration, Insulation and Mobile Air Conditioning Applications		Where are the Controls on the Conservation Power Plant?	8.238
U.S. Dept. of Energy CE-132 1000 Independence Ave SW Washington, DC 20585 (202) 586 9130		Pacific Northwest Laboratory P.O. Box 999 Richland, WA 99352 (509) 375 3816	
Stefanson, Valdi		Stovall, Therese K.	0.400
Evaluating the Performance of a New High Efficiency Commercial Tank Water Heater	2.155	The Effect of House Indoor Temperature on Measured and Predicted Energy Savings	9.169
Energy Resource Center 427 St. Clair Avenue St. Paul, MN 55102 (612) 227 7847		Oak Ridge National Laboratory Bldg. 3550 P.O. Box 2008 Oak Ridge, TN 37831-6291 (615) 547 0749	
Stephens, Robert R.		Stukes, Clarence	
Electrical Load Characteristics of Super- insulated Multifamily Housing: A Case	2.175	Montgomery County One-Stop Energy Services Center	7.114
Study City Water Light & Power Room 100 Municipal Bldg. Springfield, IL 62757 (217) 789 2014		Montgomery County, Maryland Dept. of Environmental Protection 6th Floor 101 Monroe Street Rockville, MD 20850 (301) 217 2380	
Stevens, James F.		Sumi, David	
Washington State's Energy Code for Commercial Buildings: Training and Enforcement	5.112	Evaluation of the Seattle Energy Code's Major Projects Requirement for New Commercial Buildings	5.46
Stevens Engineering 17213 N.E. 14th Street Bellevue, WA 98008		Longitudinal Evaluation of Energy Sav- ings from Seattle City Light's Home En- ergy Loan Program	9.156
(206) 643 7088		Seattle City Light	
Stoft, Steve Cost Efficiency Analysis of Design Options to Improve the Energy Efficiency of Refrigerator-Freezers and Freezers	4.119	Room 804 1015 Third Ave. Seattle, WA 98104-1198 (206) 684 3871	
Lawrence Berkeley Laboratory Bldg. 90-3075 One Cyclotron Road Berkeley, CA 94720		Taha, Halder The Impact of Summer Heat Islands on Cooling Energy Consumption and CO2 Emmissions	5.11
415 486 6851		Lawrence Berkeley Laboratory Building 90-2024 1 Cyclotron Road Berkeley, CA 94720 (415) 486 4932	

Taylor, Harold E. Tooze, David Non-Intrusive Pipe Flow Measurement Understanding What Motivates Multi-7.57 2.62 by Cross Correlation of Temperature Family Property Owners **Variations** Portland Energy Office **Room 545** Stockton State College 1120 S.W. Fifth Ave. NAMS Pomona, NJ 08240 Portland, OR 97204 (609) 652 4471 (503) 796 7222 Townsely, Mike Taylor, Z. Todd The Effects of Model Simplifications on 10.268 An Integrated Approach for Evaluating 8.233 Equivalent Thermal Parameters Calcu-DSM Programs lated from Hourly Building Performance Northeast Utilities Data Department of Conservation Pacific Northwest Laboratory & Load Management P.O. Box 999 100 Corporate Place Richland, WA 99352 Rocky Hill, CT 06067 (509) 375 2676 (203) 721 2280 Ternes, Mark P. Toyama, Nathan Estimating Residential Appliance Load 10.46 The Effect of House Indoor Temperature 9.169 Shapes from Household Load Profile on Measured and Predicted Energy Sav-Data ings Pacific Gas and Electric Oak Ridge National Laboratory 77 Beale Street Bldg. 3550 San Francisco, CA 94106 P.O. Box 2008 Oak Ridge, TN 37831-6291 (415) 972 7000 (615) 574 0749 Train, Kenneth E. Thompson, Jeffery A Comparison of Energy End-Use Allo- 10.123 Patterns of Electric Water Heater Use 11.113 cations and Metered Data and the Effects of Water Heater Load Correcting Self-Selection Bias in the Es- 9.182 Control on Customers timation of Audit Program Impacts Center for Electric Power Studies Cambridge Systematics Tennessee Tech University Suite 305 Po Box 5032 2855 Telegraph Avenue Cookeville, TN 38505 Berkeley, CA 94705 (615) 372 3615 (415) 843 9390 Tonn, Bruce E. Treadway, Nat Energy Savings Due to Model Conser-2.180 Tackling Demand-Side Management 8.251 vation Standards in Multifamily Buildings Regulation in Texas Under Fiscal

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		Suite 620	
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P.O. Box 2008 Oak Ridge, TN 37831-6207		Berkeley's Energy Rebate Program - A Case Study	7.15	
(615) 574 5940 Wigington, Linda M. Blower Door Guided Procedures for Improving the Cost-Effectiveness of Low-Income Weatherization	1.161	University of Pennsylvania Energy Management & Policy 127 Meyerson Hall 210 S. 34th Street Philadelphia, PA 19104-6311 (215) 898 7185		
ACTION-Housing, Inc. Two Gateway Center Pittsburgh, PA 15222 (412) 391 1958		Witte, Patti A Case Study in Program Improvement: The Development and Evaluation of a	9.58	
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02 37 02 88 Williams, Monte		Wolcott, David R. Competitive Bidding of Demand-Side	6.11	
Changing Housing Needs with Age: Lifestyle and Attitude Implications for Electricity Use and Management Lower Colorado River Authority P.O. Box 220, AD 203 Austin, TX 78767 (512) 473 3200	11.67	Management New York State Energy Research & Development Authority 2 Rockefeller Plaza Albany, NY 12223 (518) 465 6251		
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Zimmerman, Paul W.

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4.11

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