Acknowledgments

The Uniform Methods Project: Methods for Determining Energy Efficiency Savings for Specific Measures

This report was prepared for the National Renewable Energy Laboratory (NREL) and funded by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy, and the Permitting, Siting and Analysis Division of the Office of Electricity Delivery and Energy Reliability under National Renewable Energy Contract No. DE-AC36-08GO28308. The project was managed by Charles Kurnik of NREL. The Cadmus Group, Inc. managed protocols development with participation from a broad cross section of experts.

The project engaged a steering committee to provide industry insight and intelligence. We would like to thank all of the individuals who participated in the steering committee (see list below) for their contribution and for engaging their organization's staff in the reviews.

Uniform Methods Project Steering Committee		
Michael Brandt	Commonwealth Edison	
Niko Dietsch	U.S. Environmental Protection Agency	
Linda Ecker	AEP Ohio	
Tom Eckman	Regional Technical Forum	
Donald Gilligan	National Association of Energy Service Companies	
Brian Granahan	Illinois Commerce Commission	
Kevin Gunn	Missouri Public Service Commission	
Miles Keogh	National Association of Regulatory Utility Commissioners	
Steve Kromer	Efficiency Valuation Organization	
Marty Kushler	American Council for an Energy-Efficient Economy	
Julie Michals	Northeast Energy Efficiency Partnerships	
William Miller	Lawrence Berkeley National Laboratory	
William Newbold Jr.	Detroit Edison	
Mary Ann Ralls	National Rural Electric Cooperative Association	
Chuck Rea	MidAmerican Energy Company	
Phyllis Reha	Minnesota Public Utility Commission	
Gene Rodrigues	Southern California Edison	
Steve Rosenstock	Edison Electric Institute	
Amy Royden-Bloom	National Association of Clean Air Agencies	
Steven R. Schiller	on behalf of Lawrence Berkeley National Laboratory	
Doug Scott	Illinois Commerce Commission	
Nancy Seidman	Massachusetts Department of Environmental Protection	
Rodney Sobin	Alliance to Save Energy	
Dub Taylor	Texas State Energy Conservation Office	
Lisa Wood	Institute for Electric Efficiency	
Malcolm Woolf	Maryland Energy Administration	
Carla Frisch	DOE Office of Energy Efficiency and Renewable Energy	
Michael Li	DOE Office of Energy Efficiency and Renewable Energy	
Lawrence Mansueti	DOE Office of Electricity Delivery and Energy Reliability	

Uniform Methods Project Steering Committee

NREL would also like to thank the industry members that provided feedback on the early drafts of the protocols. Their enduring commitment and the contributions of their staffs greatly enhanced the protocols.

Official Methods Project reclinical Advisory Group		
Kevin Cooney, Navigant	Technical Advisory Group	
Terry Fry, Nexant	Technical Advisory Group	
Pete Jacobs, BuildingMetrics, Inc.	Technical Advisory Group	
M. Sami Khawaja, Cadmus	Technical Advisory Group	
Feitau Kung, National Renewable Energy Laboratory	Technical Advisory Group	
Michael Rufo, Itron	Technical Advisory Group	
Dick Spellman, GDS Associates	Technical Advisory Group	
Kevin Warren, Warren Energy	Technical Advisory Group	
Tom Eckman, Regional Technical Forum	Net-to-Gross Technical Advisory Group	
Val Jensen, Commonwealth Edison	Net-to-Gross Technical Advisory Group	
Steve Schiller, Schiller Consulting	Net-to-Gross Technical Advisory Group	
Elizabeth Titus, Northeast Energy Efficiency Partnerships	Net-to-Gross Technical Advisory Group	

Uniform Methods Project Technical Advisory Group

Special thanks goes out to the following organizations for allowing their staff to dedicate many hours to reading the draft protocols and providing constructive feedback: Commonwealth Edison; Northwest Power and Conservation Council's Regional Technical Forum; National Association of Energy Service Companies; Illinois Commerce Commission; Efficiency Valuation Organization; Northeast Energy Efficiency Partnerships; Detroit Edison; National Rural Electric Cooperative Association; MidAmerican Energy Company; Southern California Edison; National Association of Clean Air Agencies; Schiller Consulting; Commonwealth of Massachusetts; Alliance to Save Energy; Navigant; BuildingMetrics, Inc.; Itron; and Warren Energy.

The authors below would like to thank some additional individuals for their significant contributions to their sections:

Small Commercial and Residential Unitary and Split System HVAC Cooling Equipment-Efficiency Upgrade Evaluation Protocol by David Jacobson

The author would like to thank Jarred Metoyer of DNV KEMA, whose work for NEEP the protocol was largely based on.

Residential Furnaces and Boilers Evaluation Protocol by David Jacobson

The author would like to thank Ken Agnew and Jeremiah Robinson, of DNV KEMA, and Arlis Reynolds and Matei Perussi of The Cadmus Group.

Whole-Building Retrofit with Consumption Data Analysis Evaluation Protocol by Ken Agnew and Mimi Goldberg

The author would like to thank Michael Blasnik.

Assessing Persistence and Other Evaluation Issues Cross-Cutting Protocol by Daniel M. Violette

The author would like to thank Hossein Haeri of The Cadmus Group, Brent Barkett of Navigant, and the Stakeholder Review participants.

The authors would like to thank the editors for improving the organization and wording of each chapter. This includes JP Christy of The Cadmus Group, and Maureen McIntyre of NREL.

Finally, NREL also thanks the dozens of individuals and organizations that provided constructive technical feedback during the stakeholder review period. These efforts dramatically improved the quality of the final product.