



**NORTH AMERICAN ENERGY STANDARDS BOARD**

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April 30, 2011

Filed Electronically

Ms. Kimberly Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street N.E., Room 1A  
Washington, D.C. 20585

RE: Submittal for "Measurement and Verification of Demand Response Products" (Docket No. RM05-5-000)

Dear Ms. Bose:

The North American Energy Standards Board ("NAESB") submits this report to the Federal Energy Regulatory Commission ("FERC" or "Commission") regarding the second phase of measurement and verification of demand response products and services and the measurement and verification of energy efficiency products and services administered in wholesale electricity markets. This NAESB report is voluntarily submitted by NAESB in response to Docket No. RM05-5-000. The phase 2 NAESB standards related to the measurement and verification of demand response products and services were ratified by NAESB membership on March 21, 2011 and became available as final actions. The NAESB standards related to the measurement and verification of energy efficiency products and services are to complete the ratification process on May 13, 2011, after which we will provide a supplemental filing. We very much appreciate the time, knowledge and industry leadership provided by all participants, both members and non-members and look forward to the further development of demand side management and energy efficiency business practice standards, if directed to do so by the Commission.

The report is being filed electronically in Adobe Acrobat® Print Document Format (.pdf). All of the documents are also available on the NAESB web site (www.naesb.org). Please feel free to call me at (713) 356-0060 or refer to the NAESB website (www.naesb.org) should you have any questions or need additional information regarding the NAESB DSM-EE standards or any other NAESB work products.

Respectfully submitted,

*Rae McQuade*

Ms. Rae McQuade  
President & COO, North American Energy Standards Board



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cc with enclosures:

Chairman Jon Wellinghoff, Federal Energy Regulatory Commission  
Commissioner Philip D. Moeller, Federal Energy Regulatory Commission  
Commissioner John R. Norris, Federal Energy Regulatory Commission  
Commissioner Marc Spitzer, Federal Energy Regulatory Commission  
Commissioner Cheryl LaFleur, Federal Energy Regulatory Commission

Mr. Michael Bardee, General Counsel of the Commission, Federal Energy Regulatory Commission

Mr. Joseph McClelland, Director, Office of Electric Reliability, Federal Energy Regulatory Commission

Ms. Jamie L. Simler, Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. Michael Goldenberg, Senior Attorney, Office of General Counsel, Federal Energy Regulatory Commission

Mr. Mason Emmett, Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. William E. Murrell, Deputy Director, Division of Economic and Technical Analysis, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. David Kathan, Economist, OEMR-Policy, Federal Energy Regulatory Commission

Ms. Valerie Crockett, Chairman and CEO, North American Energy Standards Board

Mr. William P. Boswell, General Counsel, North American Energy Standards Board

Mr. Michael D. Desselle, Vice Chairman – WEQ, North American Energy Standards Board

Ms. Kathy York, Chairman WEQ Executive Committee, North American Energy Standards Board

Enclosures (all documents noted in the appendices are available publicly on the NAESB web site – [www.naesb.org](http://www.naesb.org)):

Appendix A DSM-EE Distribution List

Appendix B WEQ/Retail DSM-EE Subcommittee Meeting Minutes Links

Appendix C Executive Committee Meeting Minutes, Comments, Voting Records Links and Availability of Transcripts

Appendix D Ratification Ballots and Results Links

Appendix E 2009 Wholesale Electric Quadrant Annual Plan

Appendix F 2010 Wholesale Electric Quadrant Annual Plan

Appendix G NAESB Process for Standards Development



## NORTH AMERICAN ENERGY STANDARDS BOARD

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### UNITED STATES OF AMERICA FEDERAL ENERGY REGULATORY COMMISSION

**Standards for Business Practice and  
 Communication Protocols for Public Utilities** )  
 )  
 )

**Docket No. RM05-5-000**

### REPORT OF THE NORTH AMERICAN ENERGY STANDARDS BOARD

The North American Energy Standards Board ("NAESB") is voluntarily submitting this report in accordance with the Commission's orders in the above referenced docket. This report is intended solely as a status report from NAESB regarding the Demand Side Management and Energy Efficiency ("DSM-EE") subcommittee process, issues and standards. NAESB does not advocate that the Commission take a particular position on any of the issues presented.

#### **Phase 2 Wholesale Electric Demand Response**

Following the adoption of the phase 1 Wholesale Electric Quadrant ("WEQ") Demand Response ("DR") standards by the WEQ Executive Committee ("EC") on February 10, 2009, the WEQ DR work group began meeting to develop more technical standards that would apply in the Independent System Operators and Regional Transmission Organizations ("ISO-RTO") regions. The work group met from April 16, 2009 to January 26, 2011 to draft the second phase of standards for the measurement and verification of demand response programs in the wholesale market. There were eight subcommittee meetings and various work group meetings focused solely on DSM-EE issues, including the second phase development effort. All meetings were publicly noticed and open to all interested parties, and were available by phone and web cast for those unable to travel. The meetings were held in various locations, diverse geographically. Any interested party was encouraged to submit comments if their schedules would not permit them to participate either in person or over the phone/web cast. Appendix A includes the DSM-EE distribution list sorted by organization and participant name. The minutes of these meetings are provided as links in Appendices B (for the wholesale and retail DSM-EE subcommittee) and C (for the WEQ EC), which include the voting record of the WEQ EC, and include all comments filed as part of the formal comment period for the proposed DSM standards. The ratification ballots and member ratification voting record results are also included as links in Appendix D. The 2009 and 2010 WEQ Annual Plans are contained in Appendices E and F, respectively. An abbreviated review of the NAESB process by which the standards were drafted, considered and adopted is provided in Appendix G. More detailed process descriptions can be accessed from the NAESB web site.

During the development of the phase 2 standards, the WEQ DR work group discussed the level of detail that would be included in the recommendation. Most participants agreed that the standards developed should not duplicate efforts undertaken in the stakeholder process of the ISO/RTOs, which vetted the adopted programs extensively. The ISO-RTO Council matrix was developed during the creation of the first phase of standards development and updated during the development process of the phase 2 standards. This matrix contains every ISO/RTO demand response program and all measurement and verification data points of those programs. The language in the matrix is referenced in the phase 2 standards. The majority of the WEQ DR work group agreed that impacting the stakeholder process would require guidance from the FERC. With the determination not to consider standards

development that would duplicate efforts undertaken in the ISO-RTO stakeholder process, a benchmark was created that guided the extent to which more detailed technical standards could be developed.

On December 1, 2010, the DSM-EE subcommittee voted out the recommendation with support from all segments of the wholesale electric quadrant<sup>1</sup>. The recommendation was sent out for a thirty-day industry comment period on December 8, 2010 and nine comments were received.<sup>2</sup> The comments were considered by the WEQ EC on February 1, 2011<sup>3</sup> and the DSM-EE subcommittee chairs provided a review that gave additional context to the standards. The WEQ EC vote on February 1, 2011 during the WEQ EC meeting was inconclusive, so a notational ballot was sent out to those EC members that did not vote during the meeting. With the completion of the notational balloting period on February 18, 2011 the EC approved the recommendation, with the needed super-majority threshold of 67% and a minimum of 40% affirmative votes from each segment. No negative votes were received. The recommendation was then ratified by the WEQ members on March 21, 2011<sup>4</sup> after a thirty-day ratification period. It garnered 100% approval, clearly exceeding the super-majority threshold of 67%.

The WEQ phase 2 demand response standards<sup>5</sup> address the measurement and verification characteristics of demand response products and services administered for application in the wholesale electricity market. The standards address four product/service categories (energy service, capacity service, reserve service and regulation service), and establish criteria for the use of equipment, technology and procedures to quantify the demand reduction value delivered. The second phase of the standards include additional granularity in the definitions and business practice standards, most notably in the following areas: Meter Data Reporting Deadline, Advanced Notification, Telemetry Interval, Meter Accuracy for After-The-Fact Metering, Meter Data Reporting Interval and Adjustment Window. The standards replaced the references to the "System Operator" with the term "Governing Documents," which is defined in the glossary. The standards are now considered a final action<sup>6</sup> and are accessible as a final action from the NAESB web site.

In October of 2009, the Retail Electric EC held a conference call to review the formal comments received and vote on the Retail DR model business practices. Several of the formal comments were substantive in nature. Rather than delay approval of the model business practices, the EC approved them and sent the formal comments to the Retail DR work group for consideration on its phase 2 efforts. The second phase effort included a great deal of coordination with the WEQ DR work group to ensure consistency between the two recommendations. Following the approval of the phase 1 Retail DR model business practices, the Retail DR work group met in early 2010 to review the formal comments that were submitted to them by the Retail Electric EC. The DSM-EE subcommittee voted to approve the phase 2 Retail DR model business practices on December 1, 2010. The Retail Electric EC approved them on February 2, 2011 and they were ratified on March 21, 2011<sup>7</sup>. They are included for informational purposes.

### **Wholesale Electric Energy Efficiency**

The NAESB DSM-EE subcommittee also completed the Wholesale Energy Efficiency ("EE") recommendation. The DSM-EE meetings and WEQ EC meetings where these standards were drafted, discussed and adopted took place from July 2009 to December 2010. The work began with a scoping task force for both the wholesale and retail energy efficiency efforts. The task force met twice and sent out a request for informal comments for industry feedback on the scope of the energy efficiency work product. There were thirteen work group and subcommittee meetings that focused solely on DSM/EE issues. Following the development of its recommendation, the wholesale energy efficiency work group sent out a request for informal comments and four sets of comments were received. The comments were discussed over two meetings, to allow all commenters time to discuss their comments and allow the work group to provide feedback on those comments. Included in the informal comments was a comment from

<sup>1</sup> NAESB DSM-EE Subcommittee Meeting Minutes, available at <http://www.naesb.org/pdf4/dsmee120110dm.doc>, December 1, 2010, (Motion to adopt the recommendation made by Paul Wattles of ERCOT and seconded by Josh Phillips of Southwest Power Pool, both of whom voted in support of the recommended standards).

<sup>2</sup> WEQ Request for Comments, available at [http://www.naesb.org/weq\\_request.asp](http://www.naesb.org/weq_request.asp). The comments are located in the row titled, WEQ 2010 Annual Plan Items 4a and 4b.

<sup>3</sup> NAESB WEQ Executive Committee Meeting Minutes, available at [http://www.naesb.org/pdf4/weq\\_ec020111dm.doc](http://www.naesb.org/pdf4/weq_ec020111dm.doc), February 1, 2011.

<sup>4</sup> WEQ Member Ratification of the wholesale M&V standards, available at <http://www.naesb.org/ratification.asp>. The ratification tally is located on the row dated February 18, 2011.

<sup>5</sup> NAESB 2010 WEQ Annual Plan 4(a) and (b) Final Action: Review and develop business practice standards to support DR and DSM-EE programs, Ratified March 21, 2011, available at [http://www.naesb.org/member\\_login\\_check.asp?doc=fa\\_2010\\_weq\\_api\\_4a\\_4b.doc](http://www.naesb.org/member_login_check.asp?doc=fa_2010_weq_api_4a_4b.doc).

<sup>6</sup> *Id.*

<sup>7</sup> NAESB 2010 Retail Annual Plan 3(c) Final Action: Review and develop business practice standards to support DR and DSM-EE programs, Ratified March 21, 2011, available at [http://www.naesb.org/member\\_login\\_check.asp?doc=fa\\_2010\\_retail\\_api\\_3\\_c.doc](http://www.naesb.org/member_login_check.asp?doc=fa_2010_retail_api_3_c.doc).

the Northeast Energy Efficiency Partnerships (“NEEP”) to remove NAESB Proposed Standard WEQ-021-3.11.1.9 for two reasons: (1) the prescribed accuracy for “the overall accuracy of the calculated value” extends beyond the hardware-specific scope of Section WEQ.021.3.11 and into methodological and bias issues addressed elsewhere in the Draft Manual; and (2) the accuracy criteria for “any” measured data used in the development of demand impacts would exclude many essential resources of undocumented accuracy such as TMY2 temperature, manufacturing production, and energy management system (EMS) temperature and flow data. The wholesale energy efficiency work group disagreed with the removal of the language because it would lower the standards for accepting proxy variables. After discussion, the language of the proposed standard was changed to read, “Any measurement or monitoring equipment for proxy variables that do not directly measure electrical demand, including but not limited to voltage, current, temperature, flow rates and operating hours, shall have an accuracy of  $\pm 2\%$ , unless otherwise provided in the Governing Documents,” which received unanimous support from the work group as it was drafted on November 18, 2010<sup>8</sup>. There were seven EC meetings where the DSM-EE standards development effort was discussed as one of the agenda topics. Again, all meetings were open to all interested parties and were publicly noticed, and were available by phone and web cast for those unable to travel.

During the development of the wholesale energy efficiency request, the group understood that the standards would reflect the efforts of multiple quadrants and market interests. During the development, the wholesale energy efficiency work group worked to ensure that the standards developed complemented the model business practices created in the retail energy efficiency work group. The retail work group continues to draft its work product, which should be completed in the second quarter of 2011. All interested parties regardless of membership in NAESB were encouraged to participate, as they are in all NAESB meetings, to provide the broadest possible input from the industry, as work products are prepared.

On December 1, 2010, the DSM-EE subcommittee voted out its recommendation<sup>9</sup> with significant support from all segments of the wholesale electric quadrant, and no votes in opposition. The recommendation was sent out for a thirty-day industry comment on December 8, 2010 and four sets of comments were received. The wholesale energy efficiency work group met on February 15 to review the informal comments. At that time, NEEP once again raised the issue of deleting 021-3.11.1.9, but had not submitted formal comments for the DSM-EE subcommittee to consider. The wholesale energy efficiency work group, having already addressed the comment in the informal comment period, suggested NEEP submit late formal comments for the WEQ EC to consider. NEEP submitted late comments along with ten other companies in support of NEEP’s change, only two of which had any earlier participation in the development of the standard. The comments were considered by the WEQ EC on March 21, 2011 and the proposed change was not adopted. The WEQ EC voted on March 21, 2011, with notational ballots due on April 8, 2011 for absent EC members, to approve the recommendation, passing the EC with the needed super-majority threshold of 67% and a minimum of 40% affirmative votes from each segment, receiving 69.4% affirmative votes overall including meeting the segment threshold. One negative vote and one abstention were received. The recommendation has been sent out for ratification, due May 13, 2011. Once the recommendation has been ratified, the NAESB office will file a supplemental filing, informing the Commission of the ratification results.

The WEQ EE standards include six new definitions and 63 business practice standards. The purpose of the energy efficiency standards was to create a standardized method for quantifying the energy reduction for energy efficiency measures; lighting, appliances, industrial process improvements and building management. The standards contain energy efficiency use criteria in wholesale markets, the general requirements for the structure of a measurement and verification (M&V) plan and detailed criteria for accepted M&V methodologies. The standards are built upon the current M&V manuals vetted by stakeholders in PJM and ISO New England, the Federal Energy Management Program M&V standards, the International Performance Measurement and Verification Protocol and other state protocols. Once ratified, the standards will be considered a final action and will be accessible as a final action from

<sup>8</sup> NAESB DSM-EE Wholesale Energy Efficiency Work Group meeting minutes, available at [http://www.naesb.org/pdf4/dsmee\\_wholesale\\_ee\\_111810mn.doc](http://www.naesb.org/pdf4/dsmee_wholesale_ee_111810mn.doc), November 18, 2010.

<sup>9</sup> NAESB 2010 WEQ Annual Plan 4(d) Recommendation: Business Practice Standards for Measurement and Verification of Energy Efficiency Products as approved by the WEQ Executive Committee via notational ballot on April 8, 2011, available at [http://www.naesb.org/member\\_login\\_check.asp?doc=weq\\_rat041311\\_2010\\_weq\\_api\\_4d\\_rec.doc](http://www.naesb.org/member_login_check.asp?doc=weq_rat041311_2010_weq_api_4d_rec.doc) WEQ member ratification ends May 13, 2011.

the NAESB website. They will be included in our next publication, WEQ Version 2.2, currently slated for completion and publication in third quarter 2011.

Report of the North American Energy Standards Board – Enclosures  
NAESB Wholesale Electric Quadrant DSM-EE Standards

Appendix A: DSM-EE Distribution List  
April 30, 2011

**DISTRIBUTION LIST SORTED BY ORGANIZATION**

Jeb Bartley, Accenture  
Amadou Fall, ACES Power Marketing, LLC  
Roy True, ACES Power Marketing  
H. Neal Allen, Alabama Power Company  
Judy W. Ray, Alabama Power Company  
David P. Johnson, Allegheny Energy, Inc.  
Terri Grabiak Knupp, Allegheny Power  
Teri Lutz, Allegheny Power  
Ed Miller, Allegheny Power  
Gary Musgrave, Allegheny Power  
Cassandra Robinson, Allegheny Power  
Thomas Rone, Allegheny Power  
Steve Capanna, Alliance to Save Energy  
Tom Simchak, Alliance to Save Energy  
Rodney Sobin, Alliance to Save Energy  
Patrick Eynon, Ameren  
Denise Simpson, Ameren  
Heather Takle, Ameresco  
Lonni Dieck, American Electric Power  
Sherri Monteith, American Electric Power  
Mariam Arnaout, American Gas Association (AGA)  
J.P. Blackford, American Public Power Association  
Allen Mosher, American Public Power Association  
S Balakrishnan, ANB Enterprises, Inc.  
Bob Gray, Arizona Corporation Commission  
Gary Duede, Arizona Public Service  
Kent Walter, Arizona Public Service  
Meg Matt, Association of Energy Services Professionals (AESP)  
Ralph Martinez, Balance Energy  
Linh Tran, Balance Energy  
Bob Rowe, Balhoff & Rowe, LLC  
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David Kelly, Baltimore Gas and Electric  
Ruth Kiselewich, Baltimore Gas and Electric  
Jeanie Nathaniel, Baltimore Gas and Electric  
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Mary Straub, Baltimore Gas and Electric  
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William Wolf, Baltimore Gas and Electric  
Yolanda Mason, Bayboro EC, Inc.  
Brett A. Perlman, Bector Consultant  
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Jason Salmi Klotz, Bonneville Power Administration  
Pamela Sporborg, Bonneville Power Administration  
Ken Keating, Bonneville Power Administration  
Josh Warner, Bonneville Power Administration  
Rodereck Kelley, Bonneville Power Authority  
Philip Q. Hanser, Brattle Group, The  
Owen J. Kopon, Brickfield, Burchette, Ritts & Stone, PC  
Shaun Moher, Brickfield, Burchette, Ritts & Stone, PC  
Damon Xenopoulos, Brickfield, Burchette, Ritts & Stone, PC  
Kevin Colmer, California ISO  
Sean Crimmins, California ISO  
Heather Sanders, California Independent System Operator Corporation  
Kevin Galligan, Cape Light Compact  
The Honorable Dian Grueneich, Commissioner, California Public Utilities Commission  
Tom Olinger, CenterPoint Energy  
James P. Cargas, City of Houston  
Kerry Meade, CLEAResult Consulting  
Eric Stern, CLEAResult Consulting  
Melissa Culbertson, CLEAResult Incorporated  
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Jonathan Kleinman, CLEAResult Incorporated  
John Oyhenart, CLEAResult Incorporated  
Dan Ellis, Climate Master  
Robert Sallee, Climate Master  
Dixon Yee, City of Palo Alto Utilities  
Jeff Hein, Colorado Public Utilities Commission  
Jim Templeton, Comprehensive Energy Services  
Carlos Lamas-Babbini, Comverge  
Wendell Miyaji, Comverge  
Brad Swalwell, Comverge  
Chris Fan, Con Edison  
Elizabeth Fennell, Con Edison  
Elena Futoryan, Con Edison  
Steven Mysholowsky, Con Edison  
Norberto Rivera, Con Edison  
Andre Wellington, Con Edison  
Nelson Yip, Con Edison  
Tess Pierluissi, Consolidated Edison  
Marc Hoffman, Consortium for Energy Efficiency  
Monica Nevius, Consortium on Energy Efficiency  
Cheryl Hindes, BGE Constellation Energy  
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NAESB Wholesale Electric Quadrant DSM-EE Standards

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April 30, 2011

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Peter Dotson-Westphalen, Constellation NewEnergy	Cade Burks, EC Power
Brett Feldman, Constellation NewEnergy	Eric Ackerman, Edison Electric Institute
Teri Van Sumeren, Consumers Energy	James P. Fama, Edison Electric Institute
Janette Dudley, CPower, Inc.	Diane Munns, Edison Electric Institute
Murtaza Kapadia, CPower, Inc.	Steven Rosenstock, Edison Electric Institute
Dirk Mahling, CPower, Inc.	Grace Soderberg, Edison Electric Institute
Nicholas Justice Planson, CPower, Inc.	Steve Kromer, Efficiency Valuation Organization
Katherine George, Demand Response Coordinating Committee	Abraham Raher, Efficiency Valuation Organization
Marie Pieniazek, Demand Response & Energy Consulting, LLC	Bob Enriken, Electric Power Research Institute
Paul M. Pietsch, Demand Response Coordinating Committee	Krish Gomatom, Electric Power Research Institute
Michael R. Flores, Direct Energy	Jennifer Robinson, Electric Power Research Institute
Chuck Moore, Direct Energy	Nancy Bagot, Electric Power Supply Association
Jamie Wimberly, Distributed Energy Financial Group LLC	Jack Cashin, Electric Power Supply Association
Ben Boyd, Distribution Control Systems, Inc.	John Shelk, Electric Power Supply Association
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Robert Burnette, Dominion	Steve Krein, Electric Reliability Council of Texas
Ed Hall, Dominion	Joel Mickey, Electric Reliability Council of Texas
Deanna Kesler, Dominion	Ken Monts, Electric Reliability Council of Texas
David Koogler, Dominion	Susan Munson, Electric Reliability Council of Texas
Sharon Neidert, Dominion	Paul Wattles, Electric Reliability Council of Texas
Ripley Newcomb, Dominion	Phil Bisesi, ElectricCities of North Carolina
Anne B. Rhoades, Dominion	Greg Locke, ElectricCities of North Carolina
Shannon Venable, Dominion	John Hughes, Electricity Consumers Resource Council (ELCON)
Kathy W. Johnson, Dominion Resources	James Tillett, Endeavor Engineering, Inc.
Anne B. Rhoades, Dominion Resources	Ren Orans, Energy and Environmental Economics, Inc.
Mike Jesensky, Dominion Resources	Bruce Campbell, EnergyConnect
Richard Zelenko, Dominion Retail Inc.	Jacob Dobscha, EnergyConnect
Mary Edwards, Dominion Virginia Power	Daniel Perez, Energy Curtailment Specialists, Inc.
Clayton Crouch, Dominion Virginia Power/North Carolina Power	Glen E. Smith, Energy Curtailment Specialists, Inc.
Rob Rice, Dominion Virginia Power	Paul Tyno, Energy Curtailment Specialists, Inc.
Clifford Grimm, DTE Energy	Marjorie Perlman, Energy East Management
Debbie Hayes, DTE Energy	Tom Gianneschi, Energy Regulatory Affairs, Alcoa, Inc.
Mark R. Williamson, DTE Energy	George Behr, Energy Services Group
Bruce Sailors, Duke Energy	Fred Gordon, Energy Trust of Oregon
Walt Yeager, Duke Energy Americas, LLC	David Clarke, Energy Washington Week
Ollie Frazier, Duke Energy Corporation	Tom Atkinson, EnerNOC
Dan Jones, Duke Energy Corporation	Aaron Breidenbaugh, EnerNOC
Ashlie Ossege, Duke Energy Corporation	Kristin Brief, EnerNOC
	Phil Giudice, EnerNOC
	Tim Healy, EnerNOC
	Rick Paradis, EnerNOC



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NAESB Wholesale Electric Quadrant DSM-EE Standards

Appendix A: DSM-EE Distribution List  
April 30, 2011

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Ed Davis, Entergy	TD Smith, Institute for Electric Efficiency
Floyd Galvan, Entergy	Rhonda Ferguson, Integrys
Karen Radosevich, Entergy	Bill Bourbonnais, Integrys Energy Services, Inc.
Narinder Saini, Entergy	Dennis M. Derricks, Integrys Group
John N. Moore, Environmental Law and Policy Center	Jim Beyer, Integrys
Denise Mulholland, EPA	Melissa Lauderdale, Integrys Energy
Bernie Neenan, EPRI	Ilze Rukis, Integrys Energy Group
Marc Tannenbaum, Evergreen Software Inc.	Steve Schiller, International Program Measurement and Verification Protocol (IPMVP)
Scott Brown, Exelon Corporation	Robert Burke, ISO New England Inc.
Audrey Lyke, Exelon Corporation	Matthew F. Goldberg, ISO New England, Inc.
Stephen Bennett, Exelon Power Team	David LaPlante, ISO New England Inc.
Ryan Irwin, Federal Energy Regulatory Commission	Robert Laurita, ISO New England Inc.
David Kathan, Federal Energy Regulatory Commission	Eric Winkler, ISO New England Inc.
Bill Lohrman, Federal Energy Regulatory Commission	Henry Yoshimura, ISO New England Inc.
Mary Beth Tighe, Federal Energy Regulatory Commission	Chris Haslund, Itron, Inc.
Sandra Waldstein, Federal Energy Regulatory Commission	Dave Hanna, Itron – Consulting & Analysis
The Honorable Jon Wellinghoff, Commissioner, Federal Energy Regulatory Commission	Joe Loper, Itron, Inc.
Robert Martinko, FirstEnergy Corp.	P G (Bud) Para, JEA
Dennis Brandt, Florida Power and Light Company	Kelly R. Smith – Johnson Controls
Dan Haywood, Florida Power & Light	Jason Jones, Kansas City Power & Light
Paul N. Smolen, Fox, Smolen & Associates	Dan Barbieri, KEMA
Phil Audet, Frontier Associates	Tim Hennessy, KEMA
Ed Garcia, Frontier Associates	Daniel Waitroob, KEMA Services
John McClain, Frontier Associates	Mimi Goldberg, Kema/Xnergy
Greg Landreth, Frontier Association	Liz Hicks, Kema/Xnergy
Jay Zarnikau, Frontier Associates	Bruce Johnson, KeySpan Corporation
Earl Fair, Gainesville Regional Utilities	Christopher Kotting, Kottage Industries, LLC
Richard Spellman, GDS Associates, Inc.	Girish Ghatikar – Lawrence Berkeley National Laboratory
Greg Ewing, Good Company Associates	Chuck Goldman, Lawrence Berkeley National Laboratory
Robert King, Good Company Associates	June Han, Lawrence Berkeley National Laboratory
Bill Bland, GoodCents	Grayson Heffner, Lawrence Berkeley National Laboratory
Robert Mason, GoodCents	Sila Kiliccote, Lawrence Berkeley National Laboratory
Liza Thompson, GoodCents	David Watson, Lawrence Berkeley National Laboratory
Michael Chen-Young, GreenSmith Energy Management Systems	Mark R. Bowen, Lockheed Martin Information Technology
Marija Zivanovic Smith, Gridpoint	Rebecca A. Klein, Loeffler Tuggey Pauerstein Rosenthal, LLP
Donna Harper, Honeywell	Joel Cordero, Los Angeles Dept. of Water and Power
Thomas McMahon, Honeywell Utility Solutions	Richard Davies, Maine Office of Public Advocate
Val Jensen, ICF International	Denis Bergeron, Maine Public Utilities Commission
David Meisegeier, ICF International	Katherine Johnson, Market Development Group
David Pickles, ICF International	Huilan Li, Maryland Public Service Commission

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Appendix A: DSM-EE Distribution List  
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**DISTRIBUTION LIST SORTED BY ORGANIZATION**

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The Honorable Alan M. Freifeld, Commissioner, Maryland Public Service Commission	Timothy Douek, Navigant Consulting
The Honorable James Y Kerr III, McGuire Woods LLP & McGuire Woods Consulting LLC	James Manning, NCEMCS
Huilan Li, Maryland Public Service Commission	Jack Floyd, NC Utilities Commission – Public Staff
Grey Staples, Mendota Group, LLC	Bob Hinton, NC Utilities Commission – Public Staff
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Alicia Ward, Midwest Energy Efficiency Alliance	Alice Miller, New York Department of Public Service
Robert Borlick, Midwest ISO	Lisa Rosi, New York Department of Public Service
Vijaya Ganugula, Midwest ISO	Sigmund Peplowski, New York State Dept. of Public Service
Marie Knox, Midwest ISO	Stacey Harwood, New York State Dept. of Public Service
Ted Kuhn, Midwest ISO	William (Bill) Saxonis, New York State Dept. of Public Service
Rob Lamoureux, Midwest ISO	Bruce Ellsworth, New York State Reliability Council
Mike Robinson, Midwest ISO	Greg Clendenning, Nexus Market Research, Inc.
Ed Skiba, Midwest ISO	Tim Pettit, Nexus Market Research, Inc.
Mark Westendorf, Midwest ISO	Andrew Rodriguez, North American Electric Reliability Corporation
Li Zhang, Midwest ISO	Mark Lauby, North American Electric Reliability Corporation
Gary Kajander, Monsanto	David R. Nevius, North American Electric Reliability Corporation
Jonathan Booe, NAESB	Stephanie Monzon, North American Electric Reliability Corporation
Rae McQuade, NAESB	John Moura, North American Electric Reliability Corporation
Denise Rager, NAESB	Julia Souder, North American Electric Reliability Corporation
Angela Gonzales, NAESB	Clay Norris, North Carolina Municipal Power Agency #1
Veronica Thomason, NAESB	The Honorable Samuel Ervin IV, Commissioner, North Carolina Utilities Commission
Chuck Gray, National Association of Regulatory Utility Commissioners	Julie Michals, Northeast Energy Efficiency Partnerships, Inc.
Charles A. Acquard, National Association of State Utility Consumer Advocates	Elizabeth Titus, Northeast Energy Efficiency Partnerships, Inc.
John McCarthy, National Energy Board	Sue Coakley, Northeast Energy Efficiency Project
Craig G. Goodman, National Energy Marketers Association	Michael F. Ahern, Northeast Utilities
Stacey Rantala, National Energy Marketers Association	Calvin Bowie, Northeast Utilities
Mike Novak, National Fuel Gas Distribution Corporation	Dave Dobratz, Northeast Utilities
David Jacobson, National Grid	
Doug Smith, National Grid	
Jim Stanzione, National Grid	
Tim Stout, National Grid	
Carol White, National Grid	
John Holt, National Rural Electric Cooperative Association	

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**DISTRIBUTION LIST SORTED BY ORGANIZATION**

Gene Fry, Northeast Utilities	Clifford Garner, Portland General Electric
Sanda O'Neil, Northeast Utilities	Emilie Witkowski, Portland General Electric
Dave Scott, Northeast Utilities	Michele Greening, PPL EnergyPlus, LLC
John Scricca, Northeast Utilities	Jim Minneman, PPL Solutions
Thomas A. Adams, Northrop Grumman, Tech. Services	David Meade, Praxair
Robert Russell, Northwest Energy Efficiency Alliance	Michael Jacob, Progress Energy Carolinas, Inc.
Tom Eckman, Northwest Power and Conservation Council	Nina McLaurin, Progress Energy
Paul McCurley, NRECA	John Masiello, Progress Energy Florida
David Olivier, NSTAR Electric & Gas	Charles Thomas, Progress Energy Florida
Dave Weber, NSTAR Electric	Steven Maestas, Public Service Co. of New Mexico
Lisa Shea, NSTAR Electric & Gas	Susanna Chiu, Public Service Electric and Gas
Michelle D'Antuono, Occidental Energy Ventures Corp	Fred Lynk, Public Service Electric and Gas
Scott Wardle, Occidental Chemical	Terry Moran, Public Service Electric and Gas
Faith S. Lambert, Office of Weatherization and Intergovernmental Program, EE-2K	Shawnee Claiborn-Pinto, Public Utility Commission of Texas
The Honorable Donald L. Mason, All American Energy Partners LLC	Cliff Crouch, Public Utility Commission of Texas
Thom Pearce, Public Utilities Commission of Ohio	Ernest Garcia, Public Utility Commission of Texas
Deborah McKeever, Oncor	Theresa Gross, Public Utility Commission of Texas
Terry Bates, Oncor Electric Delivery	Voiteh Yaroshevich, Public Utility Commission of Texas
Jeff Reed, Oncor Electric Delivery	Laura Feinstein, Puget Sound Energy
Neil Hutchings, Ontario Power Authority	Syd H. France, Puget Sound Energy
Brent Leith, Oracle	Shannon McCormick, Puget Sound Energy
Heidi Konynenbelt, Otter Tail Power Company	Kevin Gresham, Reliant Energy
Kim Pederson, Otter Tail Power Company	Ross Malme, RETX
Rebecca Wentler, Otter Tail Power Company	Bob Schwermann, Sacramento Municipal Utility District
Robert Kasman, Pacific Gas & Electric	Vikki Wood, Sacramento Municipal Utility District
Don Peterson, Pacific Gas and Electric	Stephen Pelcher, Santee Cooper
Bill Marek, PacifiCorp	Joseph Lynch, SCANA
Elliott Boardman, Peak Load Management Association (PLMA)	Sonya Green-Sumpter, SCANA
Craig Boice, Peak Load Management Association (PLMA)	Erin Erben, Salt River Project
John J. McCawley, PECO	Bill Lawton, Seminole Electric
Paul Miles, PECO Energy	Lane Mahaffey, Seminole Electric
Kurt Sontag, PECO Energy	Herb Emmrich, Sempra Utilities
Mickealia Wilson, PECO Energy	Andrey Komissarov, Sempra Utilities
Murty Bhavaraju, PJM Interconnection, LLC	Kelly Ross Gillespie, Southeast Energy Efficiency Alliance c/o Alliance to Save Energy
Sarah Burlew, PJM Interconnection, LLC	Ryn Hamilton, Southern California Edison
Susan Covino, PJM Interconnection, LLC	Joe Marone, Southern California Edison
Adrien Ford, PJM Interconnection, LLC	Mark S. Martinez, Southern California Edison
Leanne Harrison, PJM Interconnection, LLC	Joe McCawley, Southern California Edison
Susan Kenney, PJM Interconnection, LLC	Lee Stewart, Southern California Gas Company
Pete Langben, PJM Interconnection, LLC	John Ciza, Southern Company
Alex Ma, PJM Interconnection, LLC	Wilbur Johnson, Southern Company
Serhan Ogur, PJM Interconnection, LLC	Daryl McGee, Southern Company
Anne Arquit Niederberger, Policy Solutions	Dean Ulch, Southern Company
	Kyle Leach, Southern Company

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Appendix A: DSM-EE Distribution List  
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**DISTRIBUTION LIST SORTED BY ORGANIZATION**

Kenneth Shiver, Southern Company Services	Christopher Freitas, U S Department of Energy
Howard Geller, Southwest Energy Efficiency Alliance	Lawrence Mansueti, U S Department of Energy
Michael Desselle, Southwest Power Pool	Lew W. Pratsch, U S Department of Energy
Dowell Hudson, Southwest Power Pool	Stacy Angel, U S Environmental Protection Agency
Carl Monroe, Southwest Power Pool	Nikolaas Dietsch, U S Environmental Protection Agency
Katy Onnen, Southwest Power Pool	Dan Delurey, U.S. Demand Response Coordinating Committee
Joshua H. Phillips, Southwest Power Pool	Daniel Adamo, UGI Utilities, Inc.
Mark Robinson, Southwest Power Pool	William McAllister, UGI Utilities
Mark Rogers, Southwest Power Pool	Scott Coe, UISOL
Mary Klos, Summit Blue Consulting	Michelle Michot Foss, University of Texas at Austin Center for Energy Economics
Daniel Violette, Summit Blue Consulting	Ron Russell, University of Texas MD Anderson Cancer Center
Kevin Coney, Summit Blue Consulting	David R. Eichenlaub, VA State Corporation Commission
Can Yentur, SunGard Consulting Services, LLC	Patricia Banet, Vectren
Curt Bryan, SunGard Consulting Services, LLC	Amanda Eades, Vectren
Linda Gee, SunGard Consulting Services, LLC	Marlene Parsley, Vectren
Ross Lucas, SunGard Consulting Services, Inc.	Robbie Sears, Vectren
Paul Peterson, Synapse Energy Economics	Colleen Orsburn, Vermont Energy Investment Corp.
Vladlena Sabodash, Synapse Energy Economics	Pam Stonier, Vermont Public Service Board
Dave Darnell, Systrends	Diane Jenkins, Virginia State Corporation Commission
Gail McKaig, Tampa Electric Company	Allen M. Freifeld, Viridity Energy, Inc.
Nick Hall, TecMarket Works	Kenneth Laughlin, Viridity Energy
John D. Varnell, Tenaska Power Services	Alain P. Steven, Viridity Energy, Inc.
Joshua Brister, Tennessee Valley Authority	David Nightingale – WA Utilities and Transportation Commission
Matthew Mitchell, Tennessee Valley Authority	Andrew Horstman, Wabash Valley Power
Howard Bryant, TECO Energy	Kevin Warren, Warren Energy Engineering, LLC
Matt Brown, Tennessee Valley Authority	Barb Kedrowski, We Energies
David Chamberlain, Tennessee Valley Authority	Shah Hossain, Westar Energy
Edward Colston, Tennessee Valley Authority	Ismael Aguayo, Western Electricity Coordinating Council
Valerie Crockett, Tennessee Valley Authority	Michelle Mizumori, Western Electricity Coordinating Council
Jason Haile, Tennessee Valley Authority	Mike Wells, Western Electricity Coordinating Council
Kyle Lawson, Tennessee Valley Authority	Christopher Burden, Williams Gas Pipeline
Kathy York, Tennessee Valley Authority	Ronda Ferguson, Wisconsin Public Service Corporation
Carrie Voss, Tennessee Valley Authority	Valy Goepfrich, WPPI Energy
Robert W. Gee, The Gee Strategies Group	Cynthia M. Henry, Xcel Energy
Richard Sedano, The Regulatory Assistance Project	Carolyn Brouillard, Xcel Energy
Kevin Dunlap, The Structure Group	Liam Noailles, Xcel Energy
Karen Wei, The Structure Group	
Roddy Diotalevi, The United Illuminating Co.	
Megan Pomeroy, The United Illuminating Co.	
Mack Wallace, TXU Energy	

Public posting on the NAESB web site for any interested party

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Appendix A: DSM-EE Distribution List  
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**DISTRIBUTION LIST SORTED BY NAME**

Eric Ackerman, Edison Electric Institute	Mark Bruckner, Entergy
Charles A. Acquard, National Association of State Utility Consumer Advocates	Curt Bryan, SunGard Consulting Services, LLC
Daniel Adamo, UGI Utilities	Howard Bryant, TECO Energy
Thomas A. Adams, Northrop Grumman, Tech. Services	Christopher Burden, Williams Gas Pipeline
Ismael Aguayo, Western Electricity Coordinating Council	Robert Burke, ISO New England Inc.
Michael F. Ahern, Northeast Utilities	Cade Burks, EC Power
H. Neal Allen, Alabama Power Company	Sarah Burlew, PJM Interconnection, LLC
Stacy Angel, U S Environmental Protection Agency	Robert Burnette, Dominion
Mariam Arnaout, American Gas Association (AGA)	Bruce Campbell, EnergyConnect
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Phil Audet, Frontier Associates	Ernie Cardone, New York ISO
Nancy Bagot, Electric Power Supply Association	James P. Cargas, City of Houston
Vicky A. Bailey, BHMM Energy Services, LOC	Jack Cashin, Electric Power Supply Association
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Patricia Banet, Vectren	John W. Charlton, New York ISO
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Diane Barney, New York Public Service Commission	Susanna Chiu, Public Service Electric and Gas
Terry Bates, Oncor Electric Delivery	John Ciza, Southern Company
Jeb Bartley, Accenture	Shawnee Claiborn-Pinto, Public Utility Commission of Texas
George Behr, Energy Services Group	David Clarke, Energy Washington Week
Stephen Bennett, Exelon Power Team	Greg Clendenning, Nexus Market Research, Inc.
Denis Bergeron, Maine Public Utilities Commission	Daniel Cleverdon, District of Columbia Public Service Commission
Jim Beyer, Integrys	Sue Coakley, Northeast Energy Efficiency Project
Murty Bhavaraju, PJM Interconnection, LLC	Scott Coe, UISOL
Phil Bisesi, ElectricCities of North Carolina	Yvonne Coleman, Bonneville Power Administration
J.P. Blackford, American Public Power Association	Kevin Colmer, California ISO
Bill Bland, GoodCents	Edward Colston, Tennessee Valley Authority
Elliott Boardman, Peak Load Management Association (PLMA)	Kevin Cooney, Summit Blue Consulting
Craig Boice, Peak Load Management Association	Joel Cordero, Los Angeles Dept. of Water and Power
Tara Bolduc, Constellation NewEnergy	Susan Covino, PJM Interconnection, LLC
Jonathan Booe, NAESB	Sean Crimmins, California ISO
Robert Borlick, Midwest ISO	Valerie Crockett, Tennessee Valley Authority
Bill Bourbonnais, Integrys Energy Services, Inc.	Clayton Crouch, Dominion Virginia Power/North Carolina Power
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Calvin Bowie, Northeast Utilities	Melissa Culbertson, CLEAResult Incorporated
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Dennis Brandt, Florida Power and Light Company	Dave Darnell, Systrends USA
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Kristin Brief, EnerNOC	Dan Delurey, U.S. Demand Response Coordinating Committee
Joshua Brister, Tennessee Valley Authority	Dennis M. Derricks, Integrys Group
Carolyn Brouillard, Xcel Energy	Michael Desselle, Southwest Power Pool
Matt Brown, Tennessee Valley Authority	
Scott Brown, Exelon Corporation	

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Appendix A: DSM-EE Distribution List  
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**DISTRIBUTION LIST SORTED BY NAME**

Lonni Dieck, American Electric Power	Gene Fry, Northeast Utilities
Nikolaas Dietsch, U S Environmental Protection Agency	Elena Futoryan, Con Edison
Roddy Diotalevi, The United Illuminating Co.	Cory Galik, NAESB
Philip DiPastena, Electric Reliability Council of Texas	Kevin Galligan, Cape Light Compact
Jacob Dobscha, EnergyConnect	Floyd Galvan, Entergy
Peter Dotson-Westphalen, Constellation NewEnergy	Vijaya Ganugula, Midwest ISO
Timothy Douek, Navigant Consulting	Ed Garcia – Frontier Associates
Janette Dudley, CPower, Inc.	Ernest Garcia, Public Utility Commission of Texas
Gary Duede, The Structure Group	Glenn Garland, CLEAResult Incorporated
Kevin Dunlap, The Structure Group	Clifford Garner, Portland General Electric
Amanda Eades, Vectren	Linda Gee, SunGard Consulting Services, LLC
Tom Eckman, Northwest Power and Conservation Council	Robert W. Gee, The Gee Strategies Group
Mary Edwards, Dominion Virginia Power	Howard Geller, Southwest Energy Efficiency Alliance
Troy R. Eichenberger, Tennessee Valley Authority	Katherine George, Demand Response Coordinating Committee
David R. Eichenlaub, VA State Corporation Commission	Girish Ghatikar – Lawrence Berkeley National Laboratory
Dan Ellis, Climate Master	Tom Gianneschi, Energy Regulatory Affairs, Alcoa, Inc.
Bruce Ellsworth, New York State Reliability Council	Kelly Ross Gillespie, Southeast Energy Efficiency Alliance c/o Alliance to Save Energy
Herb Emmrich, Sempra Utilities	Phil Giudice, EnerNOC
Robert Enriken, Electric Power Research Institute	Valy Goepfrich, WPPI Energy
Patrick Eynon, Ameren	Matthew Goldberg, ISO New England
Erin Erben, Salt River Project	Mimi Goldberg, Kema/Xnergy
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Greg Ewing, Good Company Associates	Krish Gomatam, Electric Power Research Institute
Earl Fair, Gainesville Regional Utilities	Angela Gonzales, NAESB
Amadou Fall, ACES Power Marketing, LLC	Craig G. Goodman, National Energy Marketers Association
James P. Fama, Edison Electric Institute	Biju Gopi, IESO
Chris Fan, Con Edison	Fred Gordon, Energy Trust of Oregon
Chris Farmer, Pacificorp	Terri Grabiak Knupp, Allegheny Power
Laura Feinstein, Puget Sound Energy	Bob Gray, Arizona Corporation Commission
Brett Feldman, Constellation NewEnergy	Chuck Gray, National Association of Regulatory Utility Commissioners
Elizabeth Fennell, Con Edison	Michele Greening, PPL EnergyPlus, LLC
Rhonda Ferguson, Integrys	Sonya Green-Sumpter, SCANA
Ronda Ferguson, Wisconsin Public Service Corporation	Theresa Gross, Public Utility Commission of Texas
Dan Flaherty, Duquesne Light Company	Kevin Gresham, Reliant Energy
Kristy Fleischmann, Baltimore Gas and Electric	Clifford Grimm, DTE Energy
Michael R. Flores, Direct Energy	The Honorable Dian Grueneich, Commissioner, California Public Utilities Commission
Jack Floyd, NC Utilities Commission – Public Staff	Jason Haile, Tennessee Valley Authority
Adrien Ford, PJM Interconnection, LLC	Ed Hall, Dominion
Michelle Michot Foss, University of Texas at Austin Center for Energy Economics	Leah Hall, TransCanada
Syd H. France, Puget Sound Energy	Nick Hall, TecMarket Works
Ollie Frazier, Duke Energy Corporation	Ryn Hamilton, Southern California Edison
The Honorable Alan M. Freifeld, Commissioner, Maryland Public Service Commission	June Han, Lawrence Berkeley National Laboratory
Allen M. Freifeld, Viridity Energy, Inc.	Dave Hanna, Itron – Consulting & Analysis
Christopher Freitas, U S Department of Energy	

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NAESB Wholesale Electric Quadrant DSM-EE Standards

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**DISTRIBUTION LIST SORTED BY NAME**

Philip Q. Hanser, Brattle Group, The	David Kelly, Baltimore Gas and Electric
Donna Harper, Honeywell	Susan Kenney, PJM Interconnection, LLC
Leanne Harrison, PJM Interconnection, LLC	The Honorable James Y Kerr III, McGuire Woods LLP & McGuire Woods Consulting LLC
Stacey Harwood, NYSDPS	Deanna Kesler, Dominion
Chris Haslund, Itron, Inc.	Sila Kiliccote, Lawrence Berkeley National Laboratory
Debbie Hayes, DTE Energy	Jeff King, Metropolitan Washington Council of Governments
Dan Haywood, Florida Power & Light	Robert King, Good Company Associates
Tim Healy, EnerNOC	Ruth Kiselewich, Baltimore Gas and Electric
Grayson Heffner, Lawrence Berkeley National Laboratory	Rebecca A. Klein, Loeffler Tuggey Pauerstein Rosenthal, LLP
Jeff Hein, Colorado Public Utilities Commission	Jonathan Kleinman, CLEAResult Incorporated
Tim Hennessy, KEMA	Mary Klos, Summit Blue Consulting
Cynthia M. Henry, Xcel Energy	Jason Salmi Klotz, Bonneville Power Administration
Liz Hicks, Kema/Xnergy	Stephen Knapp, Constellation Energy Commodities Group, Inc.
Cheryl Hindes, BGE Constellation Energy	Marie Knox, Midwest ISO
Bob Hinton, NC Utilities Commission – Public Staff	Andrey Komissarov, Sempra Utilities
Marc Hoffman, Consortium for Energy Efficiency	Heidi Konynenbelt, Otter Tail Power Company
Annette Holst, MidAmerican Energy	David Koogler, Dominion
John Holt, National Rural Electric Cooperative Association	Owen J. Kopon, Brickfield Burchette Ritts & Stone, PC
Andrew Horstman, Wabash Valley Power	Christopher Kotting, Kottage Industries, LLC
Shah Hossain, ELCON	Steve Krein, Electric Reliability Council of Texas
Dowell Hudson, Southwest Power Pool	Steve Kromer, Efficiency Valuation Organization
John Hughes, Electricity Consumers Resource Council (ELCON)	Ted Kuhn, Midwest ISO
Neil Hutchings, Ontario Power Authority	Carlos Lamas-Babbini, Comverge
Ryan Irwin, Federal Energy Regulatory Commission	Faith S. Lambert, Office of Weatherization and Intergovernmental Program, EE-2K
Michael Jacob, Progress Energy Carolinas, Inc.	Rob Lamoureux, Midwest ISO
David Jacobson, National Grid	Greg Landreth, Frontier Associates
Diane Jenkins, Virginia State Corporation Commission	Pete Langben, PJM Interconnection, LLC
Val Jensen, ICF International	David LaPlante, ISO New England Inc.
Mike Jesensky, Dominion Resources	Mark Lauby, North American Electric Reliability Corporation
Bruce Johnson, KeySpan Corporation	Melissa Lauderdale, Integrys Energy
David P. Johnson, Allegheny Energy, Inc.	Kenneth Laughlin, Viridity Energy
Katherine Johnson, Market Development Group	Robert Laurita, ISO New England Inc.
Kathy W. Johnson, Dominion Resources	Kyle Lawson, Tennessee Valley Authority
Wilbur Johnson, Southern Company	Bill Lawton, Seminole Electric
Dan Jones, Duke Energy Corporation	Kyle Leach, Southern Company
Jason Jones, Kansas City Power & Light	Brent Leith, Oracle
Gary Kajander, Monsanto	Rick Leuthauser, MidAmerican Energy Company
Murtaza Kapadia, CPower	Greg Locke, Electricities of North Carolina
Robert Kasman, Pacific Gas & Electric	Bill Lohrman, Federal Energy Regulatory Commission
David Kathan, Federal Energy Regulatory Commission	Joe Loper, Itron, Inc.
Ken Keating, Bonneville Power Administration	Ron Losh, Southwest Power Pool
W. Robert Keating, Mass. Department of Telecommunication & Energy	
Barb Kedrowski, We Energies	
Rodereck Kelley, Bonneville Power Authority	

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**DISTRIBUTION LIST SORTED BY NAME**

Ross Lucas, SunGard Consulting Services, LLC	Ed Miller, Allegheny Power
Teri Lutz, Allegheny Power	Wendell Miyaji, ComVerge
Audrey Lyke, Exelon Corporation	Alice Miller, New York Department of Public Service
Joseph Lynch, SCANA	Jim Minneman, PPL Solutions
Fred Lynk, Public Service Electric and Gas	Matthew Mitchell, Tennessee Valley Authority
Alex Ma, PJM Interconnection, LLC	Michelle Mizumori, Western Electricity Coordinating Council
Steven Maestas, Public Service Co. of New Mexico	Shaun Moher, Brickfield, Burchette, Ritts and Stone
Lane Mahaffey, Seminole Electric	Carl Monroe, Southwest Power Pool
Dirk Mahling, CPower, Inc.	Sherri Monteith, American Electric Power
Ross Malme, RETX	Ken Monts, Electric Reliability Council of Texas
James Manning, NCEMCS	Stephanie Monzon, North American Electric Reliability Corporation
Lawrence Mansueti, U S Department of Energy	Chuck Moore, Direct Energy
Bill Marek, PacifiCorp	John N. Moore, Environmental Law and Policy Center
Craig Markham, Constellation Energy	Terry Moran, Public Service Electric and Gas
Doug Marley	Anna E. Morgan, Tennessee Valley Authority
Joe Marone, Southern California Edison	Jay Morrison, National Rural Electric Cooperative Association
Mark S. Martinez, Southern California Edison	Allen Mosher, American Public Power Association
Ralph Martinez, Balance Energy	John Moura, North American Electric Reliability Corporation
Robert Martinko, FirstEnergy Corp.	Denise Mulholland, EPA
John Masiello, Progress Energy Florida	Diane Munns, Edison Electric Institute
The Honorable Donald L. Mason, All American Energy Partners LLC	Susan Munson, Electric Reliability Council of Texas
Robert Mason, GoodCents	Gary Musgrave, Allegheny Power
Yolanda Mason, Bayboro EC, Inc.	Steven Mysholowsky, Con Edison
Meg Matt, Association of Energy Services Professionals (AESP)	Jeanie Nathaniel, Baltimore Gas and Electric
William McAllister, FERC	Bernie Neenan, EPRI
William McAllister, UGI Utilities	Sharon Neidert, Dominion
John McCarthy, National Energy Board	Monica Nevius, Consortium on Energy Efficiency
Joe McCawley, Southern California Edison	David R. Nevius, North American Electric Reliability Corporation
John J. McCawley, PECO	Ripley Newcomb, Dominion
John McClain, Frontier Associates	Anne Arquit Niederberger, Policy Solutions
Shannon McCormick, Puget Sound Energy, Inc.	David Nightingale, WA Utilities and Transportation Commission
Paul McCurley, NRECA	Dan Norfolk, Maryland Public Service Commission
Daryl McGee, Southern Company	Clay Norris, North Carolina Municipal Power Agency #1
Gail McKaig, Tampa Electric Company	Liam Noailles, Xcel Energy
Deborah McKeever, Oncor	Mike Novak, National Fuel Gas Distribution Corporation
Nina McLaurin, Progress Energy	Serhan Ogur, PJM Interconnection, LLC
Thomas McMahan, Honeywell Utility Solutions	Tom Olinger, CenterPoint Energy
Rae McQuade, NAESB	David Olivier, NSTAR Electric & Gas
David Meade, Praxair	Sanda O'Neil, Northeast Utilities
Kerry Meade, CLEAResult Consulting	Kathy Onnen, Southwest Power Pool
David Meisegeier, ICF International	Ren Orans, Energy and Environmental Economics, Inc.
Julie Michals, Northeast Energy Efficiency Partnerships, Inc.	
Joel Mickey, Electric Reliability Council of Texas	
Paul Miles, PECO Energy	



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NAESB Wholesale Electric Quadrant DSM-EE Standards

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Colleen Orsburn, Vermont Energy Investment Corp.	Mark Robinson, Southwest Power Pool
Ashlie Ossege, Duke Energy Corporation	Mike Robinson, Midwest ISO
Thomas Osterhus, Duke Energy	Andrew Rodriguez, NERC
Ed Overtree, Constellation NewEnergy	Mark Rogers, Southwest Power Pool
John Oyhenart, CLEAResult Incorporated	Thomas Rone, Allegheny Power
P G (Bud) Para, JEA	Marvin Rosenberg, Independent
Rick Paradis, EnerNOC	Steven Rosenstock, Edison Electric Institute
Carol D. Parker, MidAmerican Energy Company	Lisa Rosi, New York State Dept. of Public Service
Marlene Parsley, Vectren	Ilze Rukis, Integrys Group
Thom Pearce, Public Utilities Commission of Ohio	Robert Russell, Northwest Energy Efficiency Alliance
Kim Pederson, Otter Tail Power Company	Ron Russell, University of Texas MD Anderson Cancer Center
Stephen Pelcher, SanteeCooper	Bob Rowe, Balhoff & Rowe, LLC
Sigmund Peplowski, New York State Dept. of Public Service	Ilze Rukis, Integrys Energy Group
Daniel Perez, Energy Curtailment Specialists, Inc.	Vladlena Sabodash, Synapse Energy Economics
Marjorie Perlman, Energy East Management	Bruce Sailors, Duke Energy
Brett A. Perlman, Bector Consultant	Narinder Saini, Entergy
Don Peterson, Pacific Gas and Electric	Robert Sallee, Climate Master
Paul Peterson, Synapse Energy Economics	Heather Sanders, California Independent System Operator Corporation
Tim Pettit, Nexus Market Research, Inc.	William (Bill) Saxonis, New York State Dept. of Public Service
Joshua H. Phillips, Southwest Power Pool	Steve Schiller, International Program Measurement and Verification Protocol (IPMVP)
David Pickles, ICF International	Pete Schimpke, Michigan Public Power Agency
Marie Pieniasek, Demand Response & Energy Consulting, LLC	Bob Schwermann, Sacramento Municipal Utility District
Tess Pierluissi, Consolidated Edison	Dave Scott, Northeast Utilities
Paul M. Pietsch, Demand Response Coordinating Committee	John Scricca, Northeast Utilities
Robb Pike, New York ISO	Robbie Sears, Vectren
Nicholas Justice Planson, CPower, Inc.	Richard Sedano, The Regulatory Assistance Project
Megan Pomeroy, The United Illuminating Co.	Phillip Shafeei, New York ISO
Lew W. Pratsch, U S Department of Energy	Howard H. Shafferman, Ballard Spahr Andrews & Ingersoll, LLP
Donna Pratt, New York ISO	Lisa Shea, NSTAR Electric & Gas
Phil Precht, Baltimore Gas and Electric	John Shelk, Electric Power Supply Association
William (Bill) Prindle, ICF International	Kenneth Shiver, Southern Company Services
Karen Radosevich, Entergy	Terry Sick, EnerNOC
Denise Rager, NAESB	Tom Simchak, Alliance to Save Energy
Abraham Raheer, Efficiency Valuation Organization	Denise Simpson, Ameren
Mary Ann Ralls, National Rural Electric Cooperative Association	Ed Skiba, Midwest ISO
Stacey Rantala, National Energy Marketers Association	Glen E. Smith, Energy Curtailment Specialists, Inc.
Judy W. Ray, Alabama Power Company	Kelly R. Smith – Johnson Controls
Jeff Reed, Oncor Electric Delivery	TD Smith, Institute for Electric Efficiency
Anne B. Rhoades, Dominion	Paul N. Smolen, Fox, Smolen & Associates
Rob Rice, Dominion Virginia Power	Rodney Sobin, Alliance to Save Energy
Norberto Rivera, Con Edison	Grace Soderberg, Edison Electric Institute
Cassandra Robinson, Allegheny Power	Kurt Sontag, PECO Energy
Jennifer Robinson, Electric Power Research Institute	

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NAESB Wholesale Electric Quadrant DSM-EE Standards

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Julia Souder, North American Electric Reliability Corporation	Richard Walker, MidAmerican Energy Company
Rob Southern, EnerNOC	Kent Walter, Arizona Public Service
Richard Spellman, GDS Associates, Inc.	Alicia Ward, Midwest Energy Efficiency Alliance
Pamela Sporborg, Bonneville Power Administration	Scott Wardle, Occidental Chemical
Jim Stanzione, National Grid	Kevin Warren, Warren Energy Engineering, LLC
Grey Staples, Mendota Group, LLC	Josh Warner, Bonneville Power Administration
Gregory Staton, DTE Energy	David Watson, Lawrence Berkeley National Lab
Eric Stern, CLEAResult Consulting	Paul Wattles, Electric Reliability Council of Texas
Alain P. Steven, Viridity Energy, Inc.	Dave Weber, NSTAR Electric
Lee Stewart, Southern California Gas Company	The Honorable Jon Wellinghoff, Commissioner, Federal Energy Regulatory Commission
Pam Stonier, Vermont Public Service Board	Karen Wei, The Structure Group
Tim Stout, National Grid	Andre Wellington, Con Edison
Mary Straub, Baltimore Gas & Electric	Mike Wells, Western Electricity Coordinating Council
Brad Swalwell, Comverge	Rebecca Wentler, Otter Tail Power Company
Sheldon Switzer, Baltimore Gas and Electric	Mark Westendorf, Midwest ISO
Heather Takle, Ameresco	Lou Ann Westerfield, Idaho Public Utility Commission
Marc Tannenbaum, Evergreen Software Inc.	Carol White, National Grid
Jim Templeton, Comprehensive Energy Services	Mark R. Williamson, DTE Energy
Charles Thomas, Progress Energy Florida	James Wilson, MidAmerican Energy Company
Veronica Thomason, NAESB	Mickealia Wilson, PECO
Liza Thompson, GoodCents	Jamie Wimberly, Distributed Energy Financial Group LOC
Mary Beth Tighe, Federal Energy Regulatory Commission	Eric Winkler, ISO New England Inc.
James Tillett, Endeavor Engineering, Inc.	Emilie Witkowski, Puget Sound Energy, Inc.
Elizabeth Titus, Northeast Energy Efficiency Partnerships, Inc.	William Wolf, Baltimore Gas and Electric
Linh Tran, Balance Energy	Vikki Wood, Sacramento Municipal Utility District
Roy True, ACES Power Marketing	Damon Xenopoulos, Brickfield, Burchette, Ritts & Stone, PC
Brianna Tufts – EnerNOC	Voitech Yaroshevich, Public Utility Commission of Texas
Paul Tyno, Energy Curtailment Specialist, Inc.	Walt Yeager, Duke Energy Americas, LLC
Dean Ulch, Southern Company	Dixon Yee, City of Palo Alto Utilities
Teri Van Sumeren, Consumers Energy	Can Yentur, SunGard Consulting Services, LLC
John D. Varnell, Tenaska Power Services	Nelson Yip, Con Edison
Shannon Venable, Dominion	Kathy York, Tennessee Valley Authority
Daniel Violette, Summit Blue Consulting	Henry Yoshimura, ISO New England Inc.
Carrie Voss, Tennessee Valley Authority	Jay Zarnikau, Frontier Associates
Daniel Waitroob, KEMA Services	Richard Zelenko, Dominion Retail Inc.
Steve Waite, NEEP	Li Zhang, Midwest ISO
Rick Walden, Constellation Energy Group	Marija Zivanovic Smith, Gridpoint
Sandra Waldstein, Federal Energy Regulatory Commission	
Mack Wallace, TXU Energy	

Public posting on the NAESB web site for any interested party

Report of the North American Energy Standards Board – Enclosures  
NAESB Wholesale Electric Quadrant DSM-EE Standards  
Appendix B: WEQ/Retail DSM-EE Subcommittee Meeting Minutes Links  
April 30, 2011

APPENDIX B – WEQ/RETAIL DSM EE SUBCOMMITTEE MEETING MINUTES LINKS			
DATE OF MEETING	MEETING LOCATION	MEETING MINUTES	NUMBER OF PARTICIPANTS
April 16, 2009	DSM-EE Working Group 3 Meeting – WEQ, Austin, TX Hosted by ERCOT at the ERCOT Met Center	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_041609mn.doc">http://www.naesb.org/pdf4/dsmee_group3_041609mn.doc</a>	12
May 18, 2009	DSM-EE Working Group 3 Meeting – WEQ Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_051809mn.doc">http://www.naesb.org/pdf4/dsmee_group3_051809mn.doc</a>	11
May 29, 2009	DSM-EE Meeting, Richmond, VA Hosted by Dominion	Meeting Minutes: <a href="http://www.naesb.org/pdf4/dsmee052909fm.doc">http://www.naesb.org/pdf4/dsmee052909fm.doc</a>  Attachment to Minutes: <a href="http://www.nerc.com/filez/drdf.html">http://www.nerc.com/filez/drdf.html</a>	41
June 10, 2009	DSM-EE Working Group 3 Meeting – WEQ, Boston, MA Hosted by EnerNOC	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_061009mn.doc">http://www.naesb.org/pdf4/dsmee_group3_061009mn.doc</a>  Attachments to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_061009a1.doc">http://www.naesb.org/pdf4/dsmee_group3_061009a1.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_group3_061009a2.doc">http://www.naesb.org/pdf4/dsmee_group3_061009a2.doc</a>	15
June 17, 2009	DSM-EE Working Group 3 Meeting – WEQ Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_061709mn.doc">http://www.naesb.org/pdf4/dsmee_group3_061709mn.doc</a>	16
July 1, 2009	DSM-EE Working Group 3 Meeting – WEQ Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_070109mn.doc">http://www.naesb.org/pdf4/dsmee_group3_070109mn.doc</a>  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_070109a1.doc">http://www.naesb.org/pdf4/dsmee_group3_070109a1.doc</a>	12
July 9, 2009	DSM-EE REQ and WEQ Scoping Task Force Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_scoping_070909mn.doc">http://www.naesb.org/pdf4/dsmee_scoping_070909mn.doc</a>	21
July 15, 2009	DSM-EE Working Group 3 Meeting – WEQ Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_071509mn.doc">http://www.naesb.org/pdf4/dsmee_group3_071509mn.doc</a>	14

APPENDIX B – WEQ/RETAIL DSM EE SUBCOMMITTEE MEETING MINUTES LINKS			
DATE OF MEETING	MEETING LOCATION	MEETING MINUTES	NUMBER OF PARTICIPANTS
July 22, 2009	DSM-EE REQ and WEQ Scoping Task Force Request for Comments due August 3, 2009	Request for Comments due August 3, 2009: <a href="http://www.naesb.org/pdf4/dsmee_scoping_072209reqcom.doc">http://www.naesb.org/pdf4/dsmee_scoping_072209reqcom.doc</a> Comments Submitted by Midwest ISO: <a href="http://www.naesb.org/pdf4/dsmee_scoping_072209miso.doc">http://www.naesb.org/pdf4/dsmee_scoping_072209miso.doc</a> Comments Submitted by NEEP <a href="http://www.naesb.org/pdf4/dsmee_scoping_072209neep.doc">http://www.naesb.org/pdf4/dsmee_scoping_072209neep.doc</a>	
July 29, 2009	DSM-EE Meeting, Carmel, IN Hosted by ACES Power	Meeting Minutes: <a href="http://www.naesb.org/pdf4/dsmee072909fm.doc">http://www.naesb.org/pdf4/dsmee072909fm.doc</a>  Attachment to Minutes: <a href="http://www.naesb.org/pdf4/dsmee072909motions.doc">http://www.naesb.org/pdf4/dsmee072909motions.doc</a>	23
August 6, 2009	DSM-EE REQ and WEQ Scoping Task Force Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_scoping_080609mn.doc">http://www.naesb.org/pdf4/dsmee_scoping_080609mn.doc</a>  Attachments to Notes: <a href="http://www.naesb.org/pdf4/dsmee_scoping_080609a1.doc">http://www.naesb.org/pdf4/dsmee_scoping_080609a1.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_scoping_080609a2.doc">http://www.naesb.org/pdf4/dsmee_scoping_080609a2.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_scoping_080609a3.doc">http://www.naesb.org/pdf4/dsmee_scoping_080609a3.doc</a>	21
September 17, 2009	DSM-EE Working Group 3 Meeting – WEQ Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_091709mn.doc">http://www.naesb.org/pdf4/dsmee_group3_091709mn.doc</a>  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_091709a1.pdf">http://www.naesb.org/pdf4/dsmee_group3_091709a1.pdf</a>	12
September 30, 2009	DSM-EE Meeting, Austin, TX Hosted by ERCOT	Meeting Minutes <a href="http://www.naesb.org/pdf4/dsmee093009dm.doc">http://www.naesb.org/pdf4/dsmee093009dm.doc</a>  Attachments to Minutes: <a href="http://www.naesb.org/pdf4/dsmee093009motions.doc">http://www.naesb.org/pdf4/dsmee093009motions.doc</a> <a href="http://www.naesb.org/pdf4/dsmee093009a1.ppt">http://www.naesb.org/pdf4/dsmee093009a1.ppt</a> <a href="http://www.naesb.org/pdf4/dsmee093009a2.ppt">http://www.naesb.org/pdf4/dsmee093009a2.ppt</a>	42
October 8, 2009	DSM-EE Working Group 3 Meeting – WEQ Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_100809mn.doc">http://www.naesb.org/pdf4/dsmee_group3_100809mn.doc</a>	20
October 22, 2009	DSM-EE Wholesale Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_102209mn.doc">http://www.naesb.org/pdf4/dsmee_group3_102209mn.doc</a>	14

APPENDIX B – WEQ/RETAIL DSM EE SUBCOMMITTEE MEETING MINUTES LINKS			
DATE OF MEETING	MEETING LOCATION	MEETING MINUTES	NUMBER OF PARTICIPANTS
November 2, 2009	DSM-EE Meeting, Baltimore, MD Hosted by BGE	Meeting Minutes: <a href="http://www.naesb.org/pdf4/dsmee110209fm.doc">http://www.naesb.org/pdf4/dsmee110209fm.doc</a>  Attachment to Minutes: <a href="http://www.naesb.org/pdf4/dsmee110209attach.pdf">http://www.naesb.org/pdf4/dsmee110209attach.pdf</a>	44
November 19, 2009	DSM-EE Wholesale Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_111909mn.doc">http://www.naesb.org/pdf4/dsmee_group3_111909mn.doc</a>	13
December 3, 2009	DSM-EE Wholesale Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_120309mn.doc">http://www.naesb.org/pdf4/dsmee_group3_120309mn.doc</a>	20
December 17, 2009	DSM-EE Wholesale Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_121709mn.doc">http://www.naesb.org/pdf4/dsmee_group3_121709mn.doc</a>	18
January 27, 2010	DSM-EE Wholesale/Retail Energy Efficiency Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_joint_ee_012710mn.doc">http://www.naesb.org/pdf4/dsmee_joint_ee_012710mn.doc</a>	24
January 28, 2010	DSM-EE Wholesale Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_012810mn.doc">http://www.naesb.org/pdf4/dsmee_group3_012810mn.doc</a>  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_012810a1.xls">http://www.naesb.org/pdf4/dsmee_group3_012810a1.xls</a>	15
February 25, 2010	DSM-EE Wholesale Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_022510mn.doc">http://www.naesb.org/pdf4/dsmee_group3_022510mn.doc</a>	15
April 15, 2010	DSM-EE Wholesale/Retail Energy Efficiency Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_joint_ee_041510mn.doc">http://www.naesb.org/pdf4/dsmee_joint_ee_041510mn.doc</a>	15
April 23, 2010	DSM-EE Wholesale Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_042310mn.doc">http://www.naesb.org/pdf4/dsmee_group3_042310mn.doc</a>	15
May 20, 2010	DSM-EE Meeting, Holyoke, MA Hosted by ISO New England	Meeting Minutes: <a href="http://www.naesb.org/pdf4/dsmee052010fm.doc">http://www.naesb.org/pdf4/dsmee052010fm.doc</a>	32

APPENDIX B – WEQ/RETAIL DSM EE SUBCOMMITTEE MEETING MINUTES LINKS			
DATE OF MEETING	MEETING LOCATION	MEETING MINUTES	NUMBER OF PARTICIPANTS
July 8, 2010	DSM-EE Joint Wholesale DR Work Group, Retail DR Work Group and Retail Glossary Subcommittee Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary070810mn.doc">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary070810mn.doc</a>  Attachments to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary070810a1.xls">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary070810a1.xls</a> <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary070810a2.doc">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary070810a2.doc</a>	15
July 27, 2010	DSM-EE Meeting, Baltimore, MD Hosted by BGE	Meeting Minutes: <a href="http://www.naesb.org/pdf4/dsmee072710fm.doc">http://www.naesb.org/pdf4/dsmee072710fm.doc</a>	32
September 15, 2010	DSM-EE Wholesale Energy Efficiency Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_091510mn.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_091510mn.doc</a>	7
September 15, 2010	DSM-EE Joint Wholesale DR Work Group, Retail DR Work Group and Retail Glossary Subcommittee Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary091510mn.doc">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary091510mn.doc</a>  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary091510a1.xls">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary091510a1.xls</a>	8
September 20, 2010	DSM-EE Wholesale Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes:	
September 28, 2010	DSM-EE Meeting, Austin, TX Hosted by ERCOT	Meeting Minutes: <a href="http://www.naesb.org/pdf4/dsmee092810dm.doc">http://www.naesb.org/pdf4/dsmee092810dm.doc</a>	29
September 29, 2010	DSM-EE Joint Wholesale/Retail Energy Efficiency Work Group Meeting, Austin, TX Hosted by ERCOT	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_joint_ee_092910mn.doc">http://www.naesb.org/pdf4/dsmee_joint_ee_092910mn.doc</a>  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_joint_ee_092910a1.doc">http://www.naesb.org/pdf4/dsmee_joint_ee_092910a1.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_joint_ee_092910a2.xls">http://www.naesb.org/pdf4/dsmee_joint_ee_092910a2.xls</a>	15

APPENDIX B – WEQ/RETAIL DSM EE SUBCOMMITTEE MEETING MINUTES LINKS			
DATE OF MEETING	MEETING LOCATION	MEETING MINUTES	NUMBER OF PARTICIPANTS
September 30, 2010	DSM-EE Wholesale Demand Response Work Group Request for Informal Comments due October 29, 2010	Request for Informal Comments due October 29, 2010: <a href="http://www.naesb.org/pdf4/dsmee_group3_093010reqcom.doc">http://www.naesb.org/pdf4/dsmee_group3_093010reqcom.doc</a> Attachments to Request for Comments: <a href="http://www.naesb.org/pdf4/dsmee_group3_093010reqcom_a1.doc">http://www.naesb.org/pdf4/dsmee_group3_093010reqcom_a1.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_group3_093010reqcom_a2.doc">http://www.naesb.org/pdf4/dsmee_group3_093010reqcom_a2.doc</a> Comments Submitted by California ISO, ERCOT, IESO, ISO New England, Midwest ISO, New York ISO, PJM, SPP: <a href="http://www.naesb.org/pdf4/dsmee_group3_093010_iso_rto_comments.doc">http://www.naesb.org/pdf4/dsmee_group3_093010_iso_rto_comments.doc</a> Redline Changes to Comments Submitted by California ISO, ERCOT, IESO, ISO New England, Midwest ISO, New York ISO, PJM, SPP: <a href="http://www.naesb.org/pdf4/dsmee_group3_093010_iso_rto_redline_changes.doc">http://www.naesb.org/pdf4/dsmee_group3_093010_iso_rto_redline_changes.doc</a> Late Comments - Submitted Southern California Edison: <a href="http://www.naesb.org/pdf4/dsmee_group3_093010_sce_late.doc">http://www.naesb.org/pdf4/dsmee_group3_093010_sce_late.doc</a> Late Comments – EnerNOC: <a href="http://www.naesb.org/pdf4/dsmee_group3_093010_enernoc_late.doc">http://www.naesb.org/pdf4/dsmee_group3_093010_enernoc_late.doc</a>	
October 8, 2010	DSM-EE Wholesale Energy Efficiency Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810mn.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810mn.doc</a> Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810a1.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810a1.doc</a>	7

APPENDIX B – WEQ/RETAIL DSM EE SUBCOMMITTEE MEETING MINUTES LINKS			
DATE OF MEETING	MEETING LOCATION	MEETING MINUTES	NUMBER OF PARTICIPANTS
October 8, 2010	DSM-EE Wholesale Energy Efficiency Work Group Request for Informal Comments due November 8, 2010	Request for Informal Comments due November 8, 2010: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810reqcom.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810reqcom.doc</a> Attachment to Request for Informal Comments: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810reqcom_a1.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810reqcom_a1.doc</a> Comments Submitted by WPPI Energy: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810wppi_energy.pdf">http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810wppi_energy.pdf</a> Comments Submitted by Westar Energy: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810westar.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810westar.doc</a> Comments Submitted by EM&V Forum: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810emv_forum.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810emv_forum.doc</a> Comments Submitted by AESO, California ISO, ERCOT, IESO, ISO New England, New Brunswick System Operator, Midwest ISO, New York ISO, PJM, SPP: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810_iso_rtos_comments.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810_iso_rtos_comments.doc</a> Redlines Submitted by AESO, California ISO, ERCOT, IESO, ISO New England, New Brunswick System Operator, Midwest ISO, New York ISO, PJM, SPP: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810_iso_rtos_redline.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_100810_iso_rtos_redline.doc</a>	
October 22, 2010	DSM-EE Joint Wholesale DR Work Group, Retail DR Work Group and Retail Glossary Subcommittee Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary102210mn.doc">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary102210mn.doc</a> Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary102210a1.xls">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary102210a1.xls</a>	11



Report of the North American Energy Standards Board – Enclosures  
 NAESB Wholesale Electric Quadrant DSM-EE Standards  
 Appendix B: WEQ/Retail DSM-EE Subcommittee Meeting Minutes Links  
 April 30, 2011

APPENDIX B – WEQ/RETAIL DSM EE SUBCOMMITTEE MEETING MINUTES LINKS			
DATE OF MEETING	MEETING LOCATION	MEETING MINUTES	NUMBER OF PARTICIPANTS
November 2, 2010	DSM-EE Joint Wholesale DR Work Group, Retail DR Work Group and Retail Glossary Subcommittee Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary110210mn.doc">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary110210mn.doc</a>  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary110210a1.xls">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary110210a1.xls</a>	10
November 5, 2010	DSM-EE Wholesale Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_110510mn.doc">http://www.naesb.org/pdf4/dsmee_group3_110510mn.doc</a>	18
November 12, 2010	DSM-EE Wholesale Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes:	
November 15, 2010	DSM-EE Wholesale Energy Efficiency Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_111510mn.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_111510mn.doc</a>  Attachment to Notes; <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_111510a1.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_111510a1.doc</a>	11
November 18, 2010	DSM-EE Wholesale Energy Efficiency Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_111810mn.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_111810mn.doc</a>  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_111810a1.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_111810a1.doc</a>	14
December 1, 2010	DSM-EE, Richmond, VA Hosted by Dominion Virginia Power	Meeting Minutes: <a href="http://www.naesb.org/pdf4/dsmee120110dm.doc">http://www.naesb.org/pdf4/dsmee120110dm.doc</a>	25
January 24, 2011	DSM-EE Wholesale Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_012411mn.doc">http://www.naesb.org/pdf4/dsmee_group3_012411mn.doc</a>  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group3_012411a1.doc">http://www.naesb.org/pdf4/dsmee_group3_012411a1.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_group3_012411a2.doc">http://www.naesb.org/pdf4/dsmee_group3_012411a2.doc</a>	12

APPENDIX B – WEQ/RETAIL DSM EE SUBCOMMITTEE MEETING MINUTES LINKS			
DATE OF MEETING	MEETING LOCATION	MEETING MINUTES	NUMBER OF PARTICIPANTS
February 15, 2011	DSM-EE Wholesale Energy Efficiency Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_021511mn.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_021511mn.doc</a>  Attachments to Notes: <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_021511a1.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_021511a1.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_021511a2.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_021511a2.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_wholesale_ee_021511a3.doc">http://www.naesb.org/pdf4/dsmee_wholesale_ee_021511a3.doc</a>	10

Appendix C: Executive Committee Meeting Minutes, Comments, Voting Records Links and Availability of Transcripts  
 April 30, 2011

APPENDIX C – EXECUTIVE COMMITTEE MEETING MINUTES, COMMENTS, VOTING RECORDS LINKS AND AVAILABILITY OF TRANSCRIPTS			
DATE	LINK TO EXECUTIVE COMMITTEE MINUTES AND VOTING RECORDS	LINK TO COMMENTS	AVAILABILITY OF TRANSCRIPTS <sup>1</sup>
May 12, 2009	NAESB Executive Committee Meetings, Carmel, IN WEQ EC Minutes: <a href="http://www.naesb.org/pdf4/weq_ec051209fm.doc">http://www.naesb.org/pdf4/weq_ec051209fm.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	Jill Vaughn, CSR - 281-853-6807
June 2, 2009	NAESB WEQ Executive Committee Single Topic Review Session (Conference Call with Web Conferencing) Meeting Notes: <a href="http://www.naesb.org/pdf4/weq_ec060209mn.doc">http://www.naesb.org/pdf4/weq_ec060209mn.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	No transcripts provided for review session
June 8, 2009	NAESB WEQ Executive Committee Single Topic Conference Call with Web Conferencing Meeting Minutes: <a href="http://www.naesb.org/pdf4/weq_ec060809fm.doc">http://www.naesb.org/pdf4/weq_ec060809fm.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	Jill Vaughn, CSR - 281-853-6807
August 18, 2009	NAESB Executive Committee Meetings, Colorado Springs, CO WEQ EC Minutes: <a href="http://www.naesb.org/pdf4/weq_ec081809fm.doc">http://www.naesb.org/pdf4/weq_ec081809fm.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	Jill Vaughn, CSR - 281-853-6807
October 27, 2009	NAESB Executive Committee Meetings, Richmond, VA WEQ EC Minutes: <a href="http://www.naesb.org/pdf4/weq_ec102709fm.doc">http://www.naesb.org/pdf4/weq_ec102709fm.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	Jill Vaughn, CSR - 281-853-6807
December 3, 2009	NAESB Executive Committee Single Topic Conference Call with Web Conferencing Meeting Minutes: <a href="http://www.naesb.org/pdf4/weq_ec120309fm.doc">http://www.naesb.org/pdf4/weq_ec120309fm.doc</a>	DSM-EE WEQ Phase 2	Jill Vaughn, CSR - 281-853-6807
February 2, 2010	NAESB Executive Committee Meetings, Phoenix, AZ WEQ EC Minutes: <a href="http://www.naesb.org/pdf4/weq_ec020210fm.doc">http://www.naesb.org/pdf4/weq_ec020210fm.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	Jill Vaughn, CSR - 281-853-6807
May 4, 2010	NAESB Executive Committee Meetings, Harrisburg, PA WEQ EC Minutes: <a href="http://www.naesb.org/pdf4/weq_ec050410fm.doc">http://www.naesb.org/pdf4/weq_ec050410fm.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	Jill Vaughn, CSR – 281-853-6807

<sup>1</sup> The Federal Energy Regulatory Commission and other regulatory agencies may contact the NAESB office to obtain electronic copies of the transcripts. All others can contact the transcription service and order the transcripts for a nominal fee.

Appendix C: Executive Committee Meeting Minutes, Comments, Voting Records Links and Availability of Transcripts  
 April 30, 2011

APPENDIX C – EXECUTIVE COMMITTEE MEETING MINUTES, COMMENTS, VOTING RECORDS LINKS AND AVAILABILITY OF TRANSCRIPTS			
DATE	LINK TO EXECUTIVE COMMITTEE MINUTES AND VOTING RECORDS	LINK TO COMMENTS	AVAILABILITY OF TRANSCRIPTS <sup>1</sup>
June 4, 2010	NAESB Joint WEQ/WGQ Executive Committee Single Topic Conference Call with Web Conferencing Meeting Minutes: <a href="http://www.naesb.org/pdf4/weq_wgq_ec060410fm.doc">http://www.naesb.org/pdf4/weq_wgq_ec060410fm.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	Jill Vaughn, CSR – 281-853-6807
June 7, 2010	NAESB Joint WEQ/REQ Executive Committee Single Topic Review Session (Conference Call with Web Conferencing) Meeting Minutes: <a href="http://www.naesb.org/pdf4/weq_req_ec060710mn.doc">http://www.naesb.org/pdf4/weq_req_ec060710mn.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	No transcripts provided for review session
June 16, 2010	NAESB Joint WEQ/REQ Executive Committee Single Topic Conference Call with Web Conferencing Meeting Minutes: <a href="http://www.naesb.org/pdf4/weq_req_ec061610fm.doc">http://www.naesb.org/pdf4/weq_req_ec061610fm.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	Jill Vaughn, CSR – 281-853-6807
July 7, 2010	NAESB WEQ Executive Committee Meeting, Dallas, TX Meeting Minutes: <a href="http://www.naesb.org/pdf4/weq_ec070710fm.doc">http://www.naesb.org/pdf4/weq_ec070710fm.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	Jill Vaughn, CSR – 281-853-6807
August 17, 2010	NAESB Executive Committee Meetings, Colorado Springs, CO WEQ EC Minutes: <a href="http://www.naesb.org/pdf4/weq_ec081710fm.doc">http://www.naesb.org/pdf4/weq_ec081710fm.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	Agren Blando Court Reporting – 303-296-0017
October 22, 2010	NAESB Joint WEQ/REQ Executive Committee Single Topic Conference Call with Web Conferencing Meeting Minutes: <a href="http://www.naesb.org/pdf4/weq_req_ec102210fm.doc">http://www.naesb.org/pdf4/weq_req_ec102210fm.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	Jill Vaughn, CSR – 281-853-6807
October 26, 2010	NAESB Executive Committee Meetings, Richmond, VA WEQ EC Minutes: <a href="http://www.naesb.org/pdf4/weq_ec102610fm.doc">http://www.naesb.org/pdf4/weq_ec102610fm.doc</a>	No comments requested or provided relating to the WEQ DSM-EE standards	Jill Vaughn, CSR – 281-853-6807
December 6, 2010	NAESB WEQ Executive Committee Notational Ballot due December 20, 2010 Results: <a href="http://www.naesb.org/pdf4/weq_ec120610ballot_results.doc">http://www.naesb.org/pdf4/weq_ec120610ballot_results.doc</a>	Harmonization of Defined Terms	No transcripts provided as this was not a meeting – it was a notational ballot.
December 8, 2010	Request for Formal Comments due January 14, 2011:	Request for Formal Comments due January 14, 2011:	No transcripts provided as this was not a

Appendix C: Executive Committee Meeting Minutes, Comments, Voting Records Links and Availability of Transcripts  
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APPENDIX C – EXECUTIVE COMMITTEE MEETING MINUTES, COMMENTS, VOTING RECORDS LINKS AND AVAILABILITY OF TRANSCRIPTS			
DATE	LINK TO EXECUTIVE COMMITTEE MINUTES AND VOTING RECORDS	LINK TO COMMENTS	AVAILABILITY OF TRANSCRIPTS <sup>1</sup>
	<p><a href="http://www.naesb.org/pdf4/weq_120810_reqcom.doc">http://www.naesb.org/pdf4/weq_120810_reqcom.doc</a></p> <p>Recommendation WEQ 2010 Annual Plan Items 4a and 4b – Review and develop business practice standards to support DR and DSM-EE programs (DR Phase 2):</p> <p>Redline:  <a href="http://www.naesb.org/pdf4/weq_2010_api_4a_4b_rec_redline.doc">http://www.naesb.org/pdf4/weq_2010_api_4a_4b_rec_redline.doc</a></p> <p>Clean:  <a href="http://www.naesb.org/pdf4/weq_2010_api_4a_4b_rec_clean.doc">http://www.naesb.org/pdf4/weq_2010_api_4a_4b_rec_clean.doc</a></p>	<p><a href="http://www.naesb.org/pdf4/weq_120810_reqcom.doc">http://www.naesb.org/pdf4/weq_120810_reqcom.doc</a></p> <p>WEQ Standards Review Subcommittee:  <a href="http://www.naesb.org/pdf4/weq_120810_weqsrs_4a4b_memo.doc">http://www.naesb.org/pdf4/weq_120810_weqsrs_4a4b_memo.doc</a></p> <p>Recommendation Redline to Comments Submitted by WEQ Standards Review Subcommittee:  <a href="http://www.naesb.org/pdf4/weq_120810_weqsrs_4a4b.doc">http://www.naesb.org/pdf4/weq_120810_weqsrs_4a4b.doc</a></p> <p>Northeast Utilities:  <a href="http://www.naesb.org/pdf4/weq_011411_northeast_utilities.doc">http://www.naesb.org/pdf4/weq_011411_northeast_utilities.doc</a></p> <p>Duke Energy:  <a href="http://www.naesb.org/pdf4/weq_120810_duke_energy.doc">http://www.naesb.org/pdf4/weq_120810_duke_energy.doc</a></p> <p>ISO/RTOs – ERCOT, IESO, ISO-NE, Midwest ISO, NYISO, PJM, SPP, CAISO:  <a href="http://www.naesb.org/pdf4/weq_120810_iso_rtos_4a4b.doc">http://www.naesb.org/pdf4/weq_120810_iso_rtos_4a4b.doc</a></p> <p>EnerNOC:  <a href="http://www.naesb.org/pdf4/weq_120810_enemnoc.pdf">http://www.naesb.org/pdf4/weq_120810_enemnoc.pdf</a></p> <p>Energy Curtailment Specialists, Inc.:  <a href="http://www.naesb.org/pdf4/weq_120810_ecs_4a4b.pdf">http://www.naesb.org/pdf4/weq_120810_ecs_4a4b.pdf</a></p> <p>Late Comments – Southern California Edison:  <a href="http://www.naesb.org/pdf4/weq_120810_sce_4a4b_late.doc">http://www.naesb.org/pdf4/weq_120810_sce_4a4b_late.doc</a></p> <p>Late Comments – Northeast Utilities:  <a href="http://www.naesb.org/pdf4/weq_011411_northeast_utilities_late.doc">http://www.naesb.org/pdf4/weq_011411_northeast_utilities_late.doc</a></p> <p>Late Comments – Wholesale DR Work Group:  <a href="http://www.naesb.org/pdf4/weq_011411_dsmee_g">http://www.naesb.org/pdf4/weq_011411_dsmee_g</a></p>	<p>meeting – it was a request for comments.</p>

Appendix C: Executive Committee Meeting Minutes, Comments, Voting Records Links and Availability of Transcripts  
 April 30, 2011

APPENDIX C – EXECUTIVE COMMITTEE MEETING MINUTES, COMMENTS, VOTING RECORDS LINKS AND AVAILABILITY OF TRANSCRIPTS			
DATE	LINK TO EXECUTIVE COMMITTEE MINUTES AND VOTING RECORDS	LINK TO COMMENTS	AVAILABILITY OF TRANSCRIPTS <sup>1</sup>
		<a href="#">roup3_late.doc</a>	
December 8, 2011	<p>Request for Formal Comments due January 14, 2011:  <a href="http://www.naesb.org/pdf4/weq_120810_reqcom.doc">http://www.naesb.org/pdf4/weq_120810_reqcom.doc</a></p> <p>Recommendation WEQ 2010 Annual Plan Item 4d – Business Practice Standards for Measurement Verification of Energy Efficiency Products:</p> <p>Redline:  <a href="http://www.naesb.org/pdf4/weq_2010_api_4d_rec_redline.doc">http://www.naesb.org/pdf4/weq_2010_api_4d_rec_redline.doc</a></p> <p>Clean:  <a href="http://www.naesb.org/pdf4/weq_2010_api_4d_rec_clean.doc">http://www.naesb.org/pdf4/weq_2010_api_4d_rec_clean.doc</a></p>	<p>Request for Formal Comments due January 14, 2011:  <a href="http://www.naesb.org/pdf4/weq_120810_reqcom.doc">http://www.naesb.org/pdf4/weq_120810_reqcom.doc</a></p> <p>WEQ Standards Review Subcommittee:  <a href="http://www.naesb.org/pdf4/weq_120810_weqsrs_4d_memo.doc">http://www.naesb.org/pdf4/weq_120810_weqsrs_4d_memo.doc</a></p> <p>Recommendation Redline to Comments - WEQ Standards Review Subcommittee:  <a href="http://www.naesb.org/pdf4/weq_120810_weqsrs_4d.doc">http://www.naesb.org/pdf4/weq_120810_weqsrs_4d.doc</a></p> <p>ISO/RTOS - ERCOT, IESO, ISO-NE, Midwest ISO, NYISO, PJM, SPP, CAISO:  <a href="http://www.naesb.org/pdf4/weq_120810_iso_rtos_4d.doc">http://www.naesb.org/pdf4/weq_120810_iso_rtos_4d.doc</a></p> <p>Recommendation Redlines to Comments - ISO/RTOS - ERCOT, IESO, ISO-NE, Midwest ISO, NYISO, PJM, SPP, CAISO:  <a href="http://www.naesb.org/pdf4/weq_120810_iso_rtos_4d_redline.doc">http://www.naesb.org/pdf4/weq_120810_iso_rtos_4d_redline.doc</a></p> <p>Late Comments - Southern California Edison:  <a href="http://www.naesb.org/pdf4/weq_120810_sce_4d_late.doc">http://www.naesb.org/pdf4/weq_120810_sce_4d_late.doc</a></p> <p>Late Comments - Northeast Utilities:  <a href="http://www.naesb.org/pdf4/weq_011411_northeast_utilities_late.doc">http://www.naesb.org/pdf4/weq_011411_northeast_utilities_late.doc</a></p> <p>Late Comments - NEEP:  <a href="http://www.naesb.org/pdf4/weq_120810_neep_4d_late.doc">http://www.naesb.org/pdf4/weq_120810_neep_4d_late.doc</a></p> <p>Late Comments - Cadmus Group:  <a href="http://www.naesb.org/pdf4/weq_120810_cadmus_">http://www.naesb.org/pdf4/weq_120810_cadmus_</a></p>	No transcripts provided as this was not a meeting – it was a request for comments.

Appendix C: Executive Committee Meeting Minutes, Comments, Voting Records Links and Availability of Transcripts  
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APPENDIX C – EXECUTIVE COMMITTEE MEETING MINUTES, COMMENTS, VOTING RECORDS LINKS AND AVAILABILITY OF TRANSCRIPTS			
DATE	LINK TO EXECUTIVE COMMITTEE MINUTES AND VOTING RECORDS	LINK TO COMMENTS	AVAILABILITY OF TRANSCRIPTS <sup>1</sup>
		<p><a href="#">group 4d late.doc</a></p> <p>Additional Late Comments - Northeast Utilities:  <a href="http://www.naesb.org/pdf4/weq_120810_northeast_utilities_4d_late_additional.doc">http://www.naesb.org/pdf4/weq_120810_northeast_utilities_4d_late_additional.doc</a></p> <p>Late Comments - ERS:  <a href="http://www.naesb.org/pdf4/weq_120810_ers_4d_late.doc">http://www.naesb.org/pdf4/weq_120810_ers_4d_late.doc</a></p> <p>Late Comments - National Grid:  <a href="http://www.naesb.org/pdf4/weq_120810_ngrid_4d_late.pdf">http://www.naesb.org/pdf4/weq_120810_ngrid_4d_late.pdf</a></p> <p>Late Comments - SBW Consulting:  <a href="http://www.naesb.org/pdf4/weq_120810_sbw_4d_late.pdf">http://www.naesb.org/pdf4/weq_120810_sbw_4d_late.pdf</a></p> <p>Late Comments - DMI:  <a href="http://www.naesb.org/pdf4/weq_120810_dmi_4d_late.pdf">http://www.naesb.org/pdf4/weq_120810_dmi_4d_late.pdf</a></p> <p>Additional Late Comments - Southern California Edison:  <a href="http://www.naesb.org/pdf4/weq_120810_sce_4d_late_additional.doc">http://www.naesb.org/pdf4/weq_120810_sce_4d_late_additional.doc</a></p> <p>Late Comments - WEQ EE Work Group - Redlined Recommendation:  <a href="http://www.naesb.org/pdf4/weq_120810_weq_ee_workgroup_4d_late_rec_redline.doc">http://www.naesb.org/pdf4/weq_120810_weq_ee_workgroup_4d_late_rec_redline.doc</a></p>	

Appendix C: Executive Committee Meeting Minutes, Comments, Voting Records Links and Availability of Transcripts  
 April 30, 2011

APPENDIX C – EXECUTIVE COMMITTEE MEETING MINUTES, COMMENTS, VOTING RECORDS LINKS AND AVAILABILITY OF TRANSCRIPTS			
DATE	LINK TO EXECUTIVE COMMITTEE MINUTES AND VOTING RECORDS	LINK TO COMMENTS	AVAILABILITY OF TRANSCRIPTS <sup>1</sup>
		Late Comments - WEQ EE Work Group - Clean Recommendation: <a href="http://www.naesb.org/pdf4/weq_120810_weq_ee_workgroup_4d_late_rec_clean.doc">http://www.naesb.org/pdf4/weq_120810_weq_ee_workgroup_4d_late_rec_clean.doc</a> Late Comments Navigant Consulting: <a href="http://www.naesb.org/pdf4/weq_120810_navigant_4d_late.pdf">http://www.naesb.org/pdf4/weq_120810_navigant_4d_late.pdf</a> Late Comments Midwest ISO: <a href="http://www.naesb.org/pdf4/weq_120810_miso_4d_late.doc">http://www.naesb.org/pdf4/weq_120810_miso_4d_late.doc</a> Late Comments KEMA: <a href="http://www.naesb.org/pdf4/weq_120810_kema_4d_late.doc">http://www.naesb.org/pdf4/weq_120810_kema_4d_late.doc</a> Late Comments Submitted by EVO: <a href="http://www.naesb.org/pdf4/weq_120810_evo_4d_late.doc">http://www.naesb.org/pdf4/weq_120810_evo_4d_late.doc</a>	
February 1, 2011	NAESB Executive Committee Meetings, Phoenix, AZ WEQ EC Minutes: <a href="http://www.naesb.org/pdf4/weq_ec020111dm.doc">http://www.naesb.org/pdf4/weq_ec020111dm.doc</a>	Recommendation as revised by the WEQ Executive Committee on 02-01-11 and approved via notational ballot on 02-18-11: <a href="http://www.naesb.org/pdf4/weq_ec020111a1.doc">http://www.naesb.org/pdf4/weq_ec020111a1.doc</a>	Jill Vaughn, CSR – 281-853-6807
March 21, 2011	NAESB Joint WEQ Executive Committee Single Topic Conference Call with Web Conferencing Meeting Minutes: <a href="http://www.naesb.org/pdf4/weq_ec032111dm.doc">http://www.naesb.org/pdf4/weq_ec032111dm.doc</a> Notational Ballot Results: <a href="http://www.naesb.org/pdf4/weq_ec032511ballot_results.doc">http://www.naesb.org/pdf4/weq_ec032511ballot_results.doc</a>	Recommendation as revised by the WEQ Executive Committee on 03-21-11 and approved via notational ballot on 04-08-11: Redline: <a href="http://www.naesb.org/pdf4/weq_ec032111a1.doc">http://www.naesb.org/pdf4/weq_ec032111a1.doc</a> Clean: <a href="http://www.naesb.org/pdf4/weq_ec032111a2.doc">http://www.naesb.org/pdf4/weq_ec032111a2.doc</a>	Jill Vaughn, CSR – 281-853-6807
March 25, 2011	NAESB WEQ Executive Committee Notational Ballot due April 8, 2011 Results: <a href="http://www.naesb.org/pdf4/weq_ec032511ballot_results.doc">http://www.naesb.org/pdf4/weq_ec032511ballot_results.doc</a>	MC11009: Minor Correction to Diagram for Meter Before/Meter After Definition (WEQ-000): <a href="http://www.naesb.org/pdf4/weq_mc11009.doc">http://www.naesb.org/pdf4/weq_mc11009.doc</a>	No transcripts provided as this was not a meeting – it was a notational ballot.



APPENDIX D – RATIFICATION BALLOT AND RATIFICATION RESULTS

DATE OF RATIFICATION	RATIFICATION BALLOT	RESULTS	FINAL ACTIONS
<p>March 21, 2011</p>	<p>Ratification Ballot due March 21, 2011:  <a href="http://www.naesb.org/member_login_form.asp?doc=weq_rat021811ballot.doc">http://www.naesb.org/member_login_form.asp?doc=weq_rat021811ballot.doc</a></p> <p>Recommendation: 2010 WEQ Annual Plan Item 4(a) and 4(b) Review and develop business practice standards to support DR and DSM-EE programs as approved by the WEQ Executive Committee on February 18, 2011:  <a href="http://www.naesb.org/member_login_form.asp?doc=weq_rat021811_2010_weq_api_4a_4b_rec.doc">http://www.naesb.org/member_login_form.asp?doc=weq_rat021811_2010_weq_api_4a_4b_rec.doc</a></p>	<p>Ratification Tally:  <a href="http://www.naesb.org/member_login_check.asp?doc=rat_weq032111tally.xls">http://www.naesb.org/member_login_check.asp?doc=rat_weq032111tally.xls</a></p> <p>Comments submitted by Midwest ISO:  <a href="http://www.naesb.org/pdf4/weq_rat032111_miso.pdf">http://www.naesb.org/pdf4/weq_rat032111_miso.pdf</a></p>	<p>2010 WEQ Annual Plan Item 4(a) and 4(b) Final Action - Review and develop business practice standards to support DR and DSM-EE programs:  <a href="http://www.naesb.org/member_login_form.asp?doc=fa_2010_weq_api_4a_4b.doc">http://www.naesb.org/member_login_form.asp?doc=fa_2010_weq_api_4a_4b.doc</a></p>
<p>May 13, 2011</p>	<p>Ratification Ballot due May 13, 2011:  <a href="http://www.naesb.org/member_login_form.asp?doc=weq_rat041311ballot.doc">http://www.naesb.org/member_login_form.asp?doc=weq_rat041311ballot.doc</a></p> <p>Recommendation: 2010 WEQ Annual Plan Item 4(d) - Business Practice Standards for Measurement and Verification of Energy Efficiency Products as approved by the WEQ Executive Committee via notational ballot on April 8, 2011:  <a href="http://www.naesb.org/member_login_form.asp?doc=weq_rat041311_2010_weq_api_4d_rec.doc">http://www.naesb.org/member_login_form.asp?doc=weq_rat041311_2010_weq_api_4d_rec.doc</a></p>	<p><i>Ratification period ends May 13, 2011</i></p>	<p>2010 WEQ Annual Plan Item 4(d) Final Action - Business Practice Standards for Measurement and Verification of Energy Efficiency Products:  <i>Ratification period ends May 13, 2011</i></p>

Report of the North American Energy Standards Board – Enclosures  
NAESB Wholesale Electric Quadrant DSM-EE Standards

Appendix E: 2009 Wholesale Electric Quadrant Annual Plan  
April 30, 2011

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**NAESB 2009 WEQ Annual Plan as Approved by the Board on December 10, 2009**

Item Description	Completion <sup>1</sup>	Assignment <sup>2,3</sup>
<b>1 Develop business practices standards as needed to complement reliability standards</b>		
Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs) using the NERC/NAESB Coordination Joint Standards Development Process as appropriate. Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are:		
a) Develop business practices to support Coordinate Interchange – <a href="#">R05020</a> “Include a guideline for rounding schedules with partial MWh’s in the coordinate interchange business practice WEQ BPS-002-000” the rounding standard recommendation	3 <sup>rd</sup> Q, 2009	JESS
Status: Completed. Recommendation was voted out of the JESS on September 2, 2009. Formal comment period closed on October 8, 2009.		
b) Continuous support of TLR Procedure in alignment with NERC efforts on TLR Phase II and Phase III development.		
i) Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection.	2010	BPS
Note: Activity is dependent on NERC approval of SAR expected in 2 <sup>nd</sup> Q, 2009. Upon approval of the SAR and NAESB action on this item, consideration should be given to provisional item 4.		
Status: Started		
ii) Update WEQ-008 Appendix D to include the Market Flow Threshold Percentage recommended by NERC working group/task force	3 <sup>rd</sup> Q, 2009	BPS
Status: Completed. The WEQ BPS voted a minor correction out of subcommittee on August 12, 2009		
c) Conduct analysis as to whether standards can be developed which outline a standardized process for the coordination and execution of emergency energy schedules. These would be complementary standards to EOP-002-2 Requirements R4 and R6 ( <a href="#">SRS Analysis of EOP-002-2 R4 &amp; R6</a> )	1 <sup>st</sup> Q, 2009	JESS
Status: Completed and as a result item (3)(a)(viii) has been added to the plan		
d) Time Error and Inadvertent (BAL-004 and BAL-006) Coordination with NERC	TBD	TIMTF
Status: Monitor. (Upon initiation of this item by NAESB, a completion date will be determined. Based on discussions with NERC staff regarding the Balancing Authority Controls Standards Drafting Team’s timeline the completion date has been changed to TBD.)		
e) DCS and AGC (BAL-002 and BAL-005) Coordination with NERC	TBD	TIMTF
Status Monitor. (Upon initiation of this item by NAESB, a completion date will be determined. Based on discussions with NERC staff regarding the Balancing Authority Controls Standards Drafting Team’s timeline the completion date has been changed to TBD.)		

Report of the North American Energy Standards Board – Enclosures  
NAESB Wholesale Electric Quadrant DSM-EE Standards

Appendix E: 2009 Wholesale Electric Quadrant Annual Plan  
April 30, 2011

**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**NAESB 2009 WEQ Annual Plan as Approved by the Board on December 10, 2009**

Item Description	Completion <sup>1</sup>	Assignment <sup>2,3</sup>
<b>2 Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)</b>		
a) Develop version 2 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers. Such business practice standards would be based on recommendations from NERC's Long Term ATC/AFC Task Force and would involve revised procedures for the ATC calculation and/or revised protocols as determined by the final order.		
Status: Underway		
Development is using joint standards development process with NERC. Request R050004 was expanded to include the Order No. 890 ( <a href="#">Docket Nos. RM05-25-000 and RM05-17-000</a> ) and Order No. 890-A ( <a href="#">Docket Nos. RM05-17-001, 002 and RM05-25-001, 002</a> ), "Preventing Undue Discrimination and Preference in Transmission Services," issued April 11, 2007).		
i) Group 3: Network Service On OASIS		
1. Use of OASIS to Make Electronic Requests to Designate and Terminate Network Resource	1 <sup>st</sup> Q, 2010	OASIS
Status: Underway		
2. Ability to Query Requests to Designate and Terminate Network Resources and Allow for Queries of All Information Provided with Designation Requests	1 <sup>st</sup> Q, 2010	OASIS
Status: Underway		
3. Masking of Designated Network Resource Operating Restrictions and Generating Cost Information	1 <sup>st</sup> Q, 2010	OASIS
Status: Underway		
4. Procedural Requirements for Submitting Designations over new OASIS Functionality	1 <sup>st</sup> Q, 2010	OASIS
Status: Underway		
5. Specify How Designated Network Service Informational Postings are Posted on OASIS	1 <sup>st</sup> Q, 2010	OASIS
Status: Underway		
6. Develop standards for the treatment of OASIS Requests when the Customer Fails to Provide the Necessary Attestation	1 <sup>st</sup> Q, 2010	OASIS
Status: Underway		
7. Procedural Requirements for Submitting Both Temporary and Indefinite Terminations of Network Resources	1 <sup>st</sup> Q, 2010	OASIS
Status: Underway		
8. Procedures for Submitting and Processing Requests for Concomitant Evaluations of Transmission Requests and Temporary Terminations	1 <sup>st</sup> Q, 2010	OASIS
Status: Underway		

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**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**NAESB 2009 WEQ Annual Plan as Approved by the Board on December 10, 2009**

	<b>Item Description</b>	<b>Completion<sup>1</sup></b>	<b>Assignment<sup>2,3</sup></b>
ii)	Group 4: Pre-Emption; Request No. R05019; and Revisions to Standard 9.7		
	1. Pre-Emption Status: Not Started	3rd Q, 2010	OASIS
	2. Request No. R05019 Status: Not Started	3rd Q, 2010	OASIS
	3. Modify WEQ-001-9.7 Rollover Rights for Redirect on a Firm Basis Status: Completed	2 <sup>nd</sup> Q, 2009	OASIS
iii)	Group 5: Paragraph 1377 – Group 5 work should precede group 4 work		
	1. Paragraph 1377 Status: Not Started	2nd Q, 2010	OASIS
	2. Re-Bid Of Partial Service across Multiple Transmission Providers' Systems Status: Not Started	2nd Q, 2010	OASIS
	3. Group DNR requests from a system with point-to-point requests on other systems for synchronization Status: Not Started	2nd Q, 2010	OASIS
iv)	Group 6: Miscellaneous (Paragraphs 1390 and 1627 of Order 890)		
	1. Paragraph 1390 of Order 890 Status: Not Started	4 <sup>th</sup> Q, 2010	OASIS
	2. Paragraphs 1627 of Order 890 Status: Not Started	4 <sup>th</sup> Q, 2010	OASIS
	3. Redispatch Cost Posting to allow for posting of third party offers of planning redispatch services. Status: Not Started	4 <sup>th</sup> Q, 2010	OASIS
b)	Develop the needed business practices as companion to the NERC standards for ATC related efforts		
i)	Develop standards to support existing Request No. <a href="#">R05004</a> .		
	1. The processing of transmission service requests, which use TTC/ATC/AFC, in coordination with NERC changes to MOD 001 where the allocation of flowgate capability based on historical Network Native Load impacts the evaluation of transmission service requests, requiring the posting of those allocation values in conjunction with queries of service offerings on OASIS Status: Underway	1 <sup>st</sup> Q, 2010	OASIS

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	<b>Item Description</b>	<b>Completion<sup>1</sup></b>	<b>Assignment<sup>2,3</sup></b>
<b>3</b>	<b>Develop business practices standards to improve the current operation of the wholesale electric market and develop and maintain business practice and communication standards for OASIS and Electronic Scheduling</b>		
a)	Develop and/or maintain business practice standards as needed for OASIS and electronic scheduling. Specific items to address include:		
i)	Network Services: Determine and develop needed business practice standards or other support is needed to support use of OASIS for Network Service transactions ( <a href="#">R04006E</a> ). (Related to AP 2(a)(iii)) Status: Underway	1 <sup>st</sup> Q, 2010	OASIS
ii)	Registry (TSIN): Determine and develop needed business practice standards to support the registry functions currently supported by NERC ( <a href="#">R04037</a> , <a href="#">R06027</a> ).		
	1. Work with the NAESB counsel to develop a confidentiality agreement, ( <a href="#">R07013</a> ) Status: Completed	4 <sup>th</sup> Q, 2009	JESS
	2. Transition the TSIN Registry from NERC to NAESB as the enhanced Electric Industry Registry (EIR), ( <a href="#">R06027</a> ). Status: Underway	2010	NAESB/NERC Administration, JESS
iii)	Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff ( <a href="#">R05019</a> ). Status: Deleted as a duplicate of 2009 AP item 2.a.ii.2	2011	OASIS
iv)	Make remaining incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS ( <a href="#">R05026</a> ). Scoping <a href="#">statement</a> completed by SRS and assignments made to BPS and OASIS.		
	1. Eliminate Masking of TSR tag source and sink when requested status is denied, withdrawn refused, displaced, invalid, declined, annulled or retracted Status: Not Started	2011	OASIS
	2. Initiate standard that eliminates the disparity of posting “sensitive” information. This standard should also include procedures of user certification that allows access to this class of information. Status: Underway (upon further development of this item by NAESB, a completion date will be determined)	2011	OASIS
	3. Enhance the TSR result postings to allow showing of (i) limiting transmission elements and (ii) available generation dispatch options that would allow acceptance of reservation request. Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2011	OASIS

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	<b>Item Description</b>	<b>Completion<sup>1</sup></b>	<b>Assignment<sup>2,3</sup></b>
v)	Develop, coordinate interoperability testing, and implement e-Tag version 1.8.1 Status: Underway – 20090716 discussed rough time frames laid out needs test plans drafted	1 <sup>st</sup> Q, 2010	JESS
vi)	Transition e-Tag Specification and schema to NAESB Status: Complete. Version 1.8.1 will be identified as the NAESB Electronic Tagging Functional Specification	1 <sup>st</sup> Q, 2009	JESS
vii)	Review and correct the WEQ-004 Coordinate interchange Business Practice Standard as noted during the development of the e-Tag 1.8 development process. Status: Completed. Recommendation was voted out of the JESS on September 2, 2009. Formal comment period closed on October 8, 2009.	3 <sup>rd</sup> Q, 2009	JESS
viii)	Review and correct WEQ-004 Coordinate Interchange Business Practice Standard as needed based on activities in NERC Project 2008-12, Coordinate Interchange Standards Revisions and supporting EOP-002-2 R4 and R6. [note: this is a new item] Status: Not started – dependent on NERC activity (upon initiation of this item by NAESB, a completion date will be determined)	2010	JESS
b)	Develop and/or maintain standard communication protocols and cyber-security business practices as needed.		
i)	Develop PKI certification program for e-Tag and OASIS Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2010	Board Certification Program Committee
ii)	Develop PKI standards for OASIS. Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2011	OASIS
iii)	Develop Industry Implementation Plan for meeting PKI Standard requirements for e-tagging. Status: Underway. Full e-Tag implementation (server & client side) is linked to the transition of the Registry from NERC to NAESB and NAESB implementation. 20090716 – server-side certificate underway – change TSIN to accept https URLs with a September 2009 target.	TBD – dependent on item above (i) and EIR	JESS
c)	Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. Status: Underway (upon further development of this item by NAESB, a completion date will be determined) Common code usage is linked to the transition of the Registry from NERC to NAESB	2009	NAESB Staff with WEQ support
d)	Develop business practice standards in support of FERC Order No. 717 Status: Completed	1 <sup>st</sup> Q, 2009	BPS

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	Item Description	Completion <sup>1</sup>	Assignment <sup>2,3</sup>
<b>4</b>	<b>Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs</b>		
	Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.		
	a) Develop matrix and business practice standards for measurement and verification for demand response products and services in ISO/RTO footprint areas.  Status: Completed	4 <sup>th</sup> Q, 2008	WEQ Section of the Joint WEQ/REQ DSM-EE Subcommittee
	b) Develop more detailed technical standards for the measurement and verification of demand response products and services in ISO-RTO footprint areas, including examples to be developed to support item 4(a) above.  Status: In Progress	2010	WEQ Section of the Joint WEQ/REQ DSM-EE Subcommittee
	c) Develop preamble for business practice standards for measurement and verification for demand response and energy efficiency programs.  Status: Completed	3 <sup>rd</sup> Q, 2009	Joint WEQ/REQ DSM-EE Subcommittee
	d) Develop glossary for business practice standards  Status: Ongoing	Ongoing	Joint WEQ/REQ DSM-EE Subcommittee
	e) Support retail development of matrix and model business practice standards for measurement and verification for demand response programs  Status: Completed	3 <sup>rd</sup> Q, 2009	Retail Section of Joint WEQ/REQ DSM-EE Subcommittee
	f) Develop business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard.  Status: Upon further review, the task force has determined this work will be completed under Annual Plan Item 4g.	Combined with 4g	WEQ Section/Joint WEQ/REQ DSM-EE Subcommittee
	g) Develop business practice standards used to measure and verify reductions in energy and demand from energy efficiency in wholesale and retail markets. <sup>1</sup>  Status: Underway (An estimated completion date will be established in 4 <sup>th</sup> Q after the new working group has been formalized)	2010	WEQ Section/Joint WEQ/REQ DSM-EE Subcommittee

<sup>1</sup> Energy efficiency may be a wholesale product, such as capacity. Energy efficiency in retail markets may be from individual energy efficiency measures at the project level or a portfolio of projects that make up an energy efficiency program.

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	<b>Item Description</b>	<b>Completion<sup>1</sup></b>	<b>Assignment<sup>2,3</sup></b>
h)	Develop business practice standards for cap and trade programs for green house gas Status: Moved to Provisional Item 8. This item will not be addressed until Congress has addressed pending legislation.	Moved to Provisional Item 8	Joint WEQ/REQ DSM-EE Subcommittee
<b>5 Maintain existing body of Version 2 standards</b>			
a)	Make consistency changes to Version 1.0 standards as directed by the WEQ Leadership Committee on December 12, 2007 (R08001 – BPS, OASIS, R08002 - OASIS, R08003 - OASIS - BPS, R08004, R08005 - OASIS)		
	1. OASIS Consistency Changes (R08001, R08002, R08003, R08005) Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2011	OASIS
	2. Gas / Electric Communication Consistency Changes (R08004) Status: Completed. WEQ BPS coordinated recommendation with WGQ BPS. WEQ BPS voted recommendation out of subcommittee on September 28, 2009.	3 <sup>rd</sup> Q, 2009	WEQ BPS / WGQ BPS
b)	Modify NAESB definitions to address internal inconsistencies and inconsistencies with the NERC glossary. Revise existing NAESB glossary/definition of terms to be applicable to entire set of WEQ Business Practices. ( <a href="http://www.naesb.org/pdf3/weq_ec051308w3.doc">http://www.naesb.org/pdf3/weq_ec051308w3.doc</a> ) Status: Completed Subcommittee co-chairs are developing WEQ-000 Definition of Terms/Acronyms to replace definitions being included in each NAESB Business Practice.	4 <sup>th</sup> Q, 2009	BPS/OASIS/RS/JESS Co-chairs
c)	Develop standards to allow for registered Market Operators to request changes to the Market Level profile of Implemented Interchange ( <a href="#">R06006</a> ) Status: Complete	1 <sup>st</sup> Q, 2009	JESS
d)	Consistent with ¶51 of FERC Order No. 890-A, add AFC and TFC values to the “System_Attribute” data element of the NAESB Standard WEQ-003: OASIS S&CP Data Dictionaries. ( <a href="#">R08011</a> ) Status: Not Started This Standards Request was assigned to the OASIS in May 2008.	2011	OASIS
e)	Provide for Enhanced Granularity for Public Utilities in Identifying Critical Operational Flow Orders. ( <a href="#">R08020</a> ) Status: WEQ Complete/WGQ In Progress. This Standards Request was assigned to the BPS in August 2008 (upon initiation of this item by NAESB, a completion date will be determined)	2 <sup>nd</sup> Q, 2009	BPS jointly with WGQ BPS



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	<b>Item Description</b>	<b>Completion<sup>1</sup></b>	<b>Assignment<sup>2,3</sup></b>
f)	<p>Synchronize Bidding Credit Requirements for FTR, TCC and CRR (<a href="#">R08025</a>) Posting of collateral is an important issue for financial marketers. Most financial marketers and smaller entities are required to post cash for FTR transactions, while most utilities post unsecured credit. Therefore, the timing for posting collateral is especially crucial to financial marketers. There are two posting periods for FTRs:</p> <p>1. The Bidding Requirement: Credit must be posted with FTR bids and these monies are held until bids are cleared.</p> <p>2. The Holding Requirement: After bids are cleared and FTRs awarded, collateral is required for the amount of time the FTR is active.</p> <p>Status: Withdrawn by requester</p>	4 <sup>th</sup> Q, 2009	SRS (Scoping)
g)	<p>Correct WEQ 013-2.6.7.2. – Resale off OASIS (<a href="#">R08027</a>) Status: Not Started</p>	TBD	OASIS
h)	<p>Add language to WEQ-001-4 Online Negotiation and Confirmation process to clarify Table 4-3 (<a href="#">R09003</a>) Status: Not Started</p>	TBD	OASIS
i)	<p>Change Power Plant Operator to Power Plant Gas Coordinator (<a href="#">R09011</a>) Status: Completed. WEQ BPS coordinated recommendation with WGQ BPS. WEQ BPS voted recommendation out of subcommittee on September 28, 2009.</p>	4 <sup>th</sup> Q, 2009	WEQ BPS/WGQ BPS

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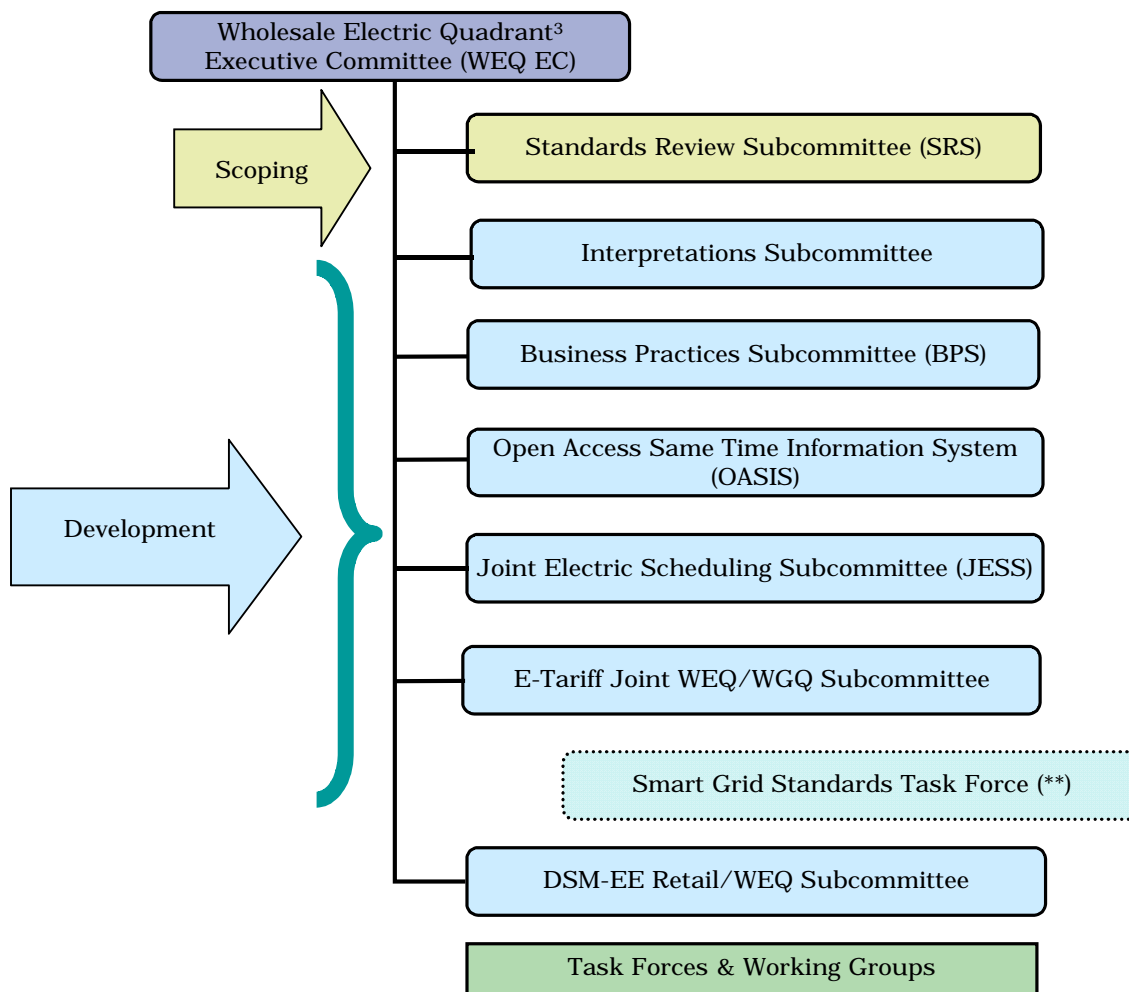
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**PROVISIONAL ITEMS**

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- 1 Develop and or modify business practices related to support of NERC effort on the NERC Resources and Transmission Adequacy (Project 2009-05 Resource Adequacy Assessment).
- 2 Develop business practices for allocating capacity among requests received during a submittal window Order 890-A ([Docket Nos. RM05-17-001, 002 and RM05-25-001, 002](#) - Paragraph 805).
- 3 Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC) and develop any necessary standards.
- 4 Prepare recommendations for future path for TLR (equity concerns) in concert with NERC, which may include alternative congestion management procedures<sup>4</sup>. Work on this activity is dependent on completing 2009 WEQ Annual Plan 1.c.i (Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection).
- 5 Develop complementary standards that align with NERC Project 2008-01 Voltage and Reactive Control, for which a white paper is expected after the 2009 SAR is processed.
- 6 Develop NAESB business practices as needed to complement NERC reliability standards for FAC-012 and FAC-013.
- 7 Determine NAESB action needed to support FERC Action Plan for Smart Grid Technology.
- 8 Develop business practice standards for cap and trade programs for green house gas (See action item 4h).
- 9 Conduct assessment to determine if Electric Industry Requirements documented in WEQ-011 Gas / Electric Coordination should be considered reliability requirements and transition to NERC.

## WHOLESALE ELECTRIC QUADRANT EXECUTIVE COMMITTEE AND SUBCOMMITTEE STRUCTURE

**NAESB WEQ EC and Subcommittee Leadership:**

Executive Committee: Kathy York (WEQ EC Chair) and Matthew Goldberg (WEQ EC Vice Chair)

Standards Review Subcommittee: Narinder Saini, Ed Skiba

Interpretations Subcommittee: Robert Schwermann

Business Practices Subcommittee &amp; Task Forces: Jim Busbin (TLR), Ed Skiba

Open Access Same Time Information System (OASIS): Paul Sorenson, J.T. Wood, Marcie Otondo

Joint Electric Scheduling Subcommittee (JESS): Bob Harshbarger (NAESB), Jim Hansen (NERC)

e-Tariff Joint WEQ/WGQ Subcommittee (e-Tariff): Jane Daly (WEQ), Keith Sappenfield (WGQ)

DSM-EE Joint Retail/WEQ Subcommittee: Ruth Kiselewich and David Koogler (Retail), Roy True and Paul Wattles (WEQ)

(\*\*) The Smart Grid Task Force is a joint group of the retail electric and wholesale electric quadrant with other standards development groups such as OASIS, CalConnect, FIX and UCAIug, and includes other groups. Direction may be given from NIST, DoE or FERC and the group reports to the NAESB Board Smart Grid Strategic Steering Committee. The group is chaired by Brent Hodges, Wayne Longcore, Joe Zhou and Robert Burke.

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**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**2010 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT**  
**As Approved by NAESB Board of Directors on September 23, 2010 With Suggested Changes From the WEQ Executive Committee and Leadership**

Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>1 Develop business practices standards as needed to complement reliability standards</b>		
Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs) using the NERC/NAESB Coordination Joint Standards Development Process as appropriate. Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are:		
a) Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection.		
Note: Consideration should be given to provisional item 4. Work is being coordinated with the NERC IDC Working Group.		
i) Interim solution for Parallel Flow Visualization Status: Completed Interim solution is needed to support November 1, 2010 NERC implementation of IDC Change Order 283 into the IDC Staging Environment.	3 <sup>rd</sup> Q, 2011	BPS
ii) Permanent solution for Parallel Flow Visualization Status: Started	2nd Q, 2011	BPS
b) Time Error and Inadvertent (BAL-004 and BAL-006) Coordination with NERC Status: Monitor. (Will require coordination with Balancing Authority Reliability Based Controls Standards Drafting Team (BARCSDT) created in July 2010) – Moved to provisional item 13	Transferred to Provisional Items <sup>1</sup>	TIMTF
c) DCS and AGC (BAL-002 and BAL-005) Coordination with NERC Status: Monitor. (Will require coordination with Balancing Authority Reliability Based Controls Group created in July 2010) – Moved to provisional item 14	Transferred to Provisional Items <sup>1</sup>	TIMTF
d) Monitor and develop NAESB business practices as needed to complement NERC reliability standards for FAC-012 and FAC-013. Status: Completed	3 <sup>rd</sup> Q, 2010	SRS

<sup>1</sup> The activities for the WEQ 2010 Annual Plan Item Nos. 1b, 1c, and 1d are dependent on NERC standards development efforts. It is probable that this item will not start until 2012 when the field test from NERC is completed.

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**2010 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT**  
**As Approved by NAESB Board of Directors on September 23, 2010 With Suggested Changes From the WEQ Executive Committee and Leadership**

Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>2 Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)<sup>2</sup></b>		
a) Develop version 2 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers.  Status: Underway  Request R050004 was expanded to include the Order No. 890 ( <a href="#">Docket Nos. RM05-25-000 and RM05-17-000</a> ) and <a href="#">Order No. 890-A (Docket Nos. RM05-17-001, 002 and RM05-25-001, 002)</a> , and <a href="#">Order No. 890-B (Docket Nos. RM05-17-03 and RM05-25-03)</a> “Preventing Undue Discrimination and Preference in Transmission Services”).		
i) Group 3: Network Service On OASIS		
1) Use of OASIS to Make Electronic Requests to Designate and Terminate Network Resource  Status: Underway	1 <sup>st</sup> Q, 2011	OASIS
2) Ability to Query Requests to Designate and Terminate Network Resources and Allow for Queries of All Information Provided with Designation Requests  Status: Underway	1 <sup>st</sup> Q, 2011	OASIS
3) Masking of Designated Network Resource Operating Restrictions and Generating Cost Information  Status: Underway	1 <sup>st</sup> Q, 2011	OASIS
4) Procedural Requirements for Submitting Designations over new OASIS Functionality  Status: Underway	1 <sup>st</sup> Q, 2011	OASIS
5) Specify How Designated Network Service Informational Postings are Posted on OASIS  Status: Underway	1 <sup>st</sup> Q, 2011	OASIS
6) Develop standards for the treatment of OASIS Requests when the Customer Fails to Provide the Necessary Attestation  Status: Underway	1 <sup>st</sup> Q, 2011	OASIS
7) Procedural Requirements for Submitting Both Temporary and Indefinite Terminations of Network Resources  Status: Underway	1 <sup>st</sup> Q, 2011	OASIS
8) Procedures for Submitting and Processing Requests for Concomitant Evaluations of Transmission Requests and Temporary Terminations  Status: Underway	1 <sup>st</sup> Q, 2011	OASIS

<sup>2</sup> FERC Order No. 890, issued February 16, 2007 can be accessed from the following link - [http://www.naesb.org/doc\\_view4.asp?doc=ferc021607.doc](http://www.naesb.org/doc_view4.asp?doc=ferc021607.doc)

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**2010 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT**  
**As Approved by NAESB Board of Directors on September 23, 2010 With Suggested Changes From the WEQ Executive Committee and Leadership**

Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
ii) Group 4: Pre-Emption; Request No. R05019		
4. Pre-Emption Status: Not Started	2011	OASIS
5. Request No. R05019 Status: Not Started	2011	OASIS
iii) Group 5: Paragraph 1377 <sup>3</sup> – Group 5 work should precede group 4 work <sup>3</sup>		
1) Paragraph 1377-Coordination of Requests Across Multiple Transmission Systems Status: Underway, Scoping Group work product approved by the WEQ EC and sent to the OASIS Subcommittee.	1 <sup>st</sup> Q, 2011	OASIS
2) Re-Bid Of Partial Service across Multiple Transmission Providers' Systems Status: Underway, Scoping Group work product approved by the WEQ EC and sent to the OASIS Subcommittee	1 <sup>st</sup> Q, 2011	OASIS
3) Group DNR requests from a system with point-to-point requests on other systems for synchronization Status: Underway, Scoping Group work product approved by the WEQ EC and sent to the OASIS Subcommittee	1 <sup>st</sup> Q, 2011	OASIS

<sup>3</sup> Paragraph 1377 of FERC Order No. 890, issued February 16, 2007: The Commission agrees that transmission requests across multiple transmission systems should be coordinated by the relevant transmission providers. We will not, however, amend the pro forma OATT to require such coordination. Rather, we require transmission providers working through NAESB to develop business practice standards related to coordination of requests across multiple transmission systems. In order to provide guidance to NAESB, we will articulate the principles that should govern processing across multiple systems. All the transmission providers involved in a request across multiple systems should consider a request that requires studies across multiple systems to be a single application for purposes of establishing the deadlines for rendering an agreement for service, revising queue status, eliciting deposits and commencing service. In order to preserve the rights of other transmission customers with studies in the queue, the priority for the single application should be based on the latest priority across the transmission providers involved in the multiple system request. We note that regional entities like wesTTrans are already coordinating requests across multiple transmission systems and we believe such coordination is an acceptable solution to this issue.

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**2010 ANNUAL PLAN for the WHOLESALE ELECTRIC QUADRANT**  
**As Approved by NAESB Board of Directors on September 23, 2010 With Suggested Changes From the WEQ Executive Committee and Leadership**

Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
iv) Group 6: Miscellaneous (Paragraphs 1390 <sup>4</sup> and 1627 <sup>5</sup> of FERC Order No. 890)		
1) Paragraph 1390 of Order 890 – Terminations related to: deficient requests, customer failure to pay required annual reservation fee, and customer modifications to applications which are meaningfully different.  Status: Not Started	2011	OASIS
2) Paragraphs 1627 of Order 890 – Posting of additional information on OASIS regarding firm transmission curtailments  Status: Not Started	2011	OASIS
3) Redispatch Cost Posting to allow for posting of third party offers of planning redispatch services.  Status: Not Started	2011	OASIS
b) Develop the needed business practices as companion to the NERC standards for ATC related efforts <sup>3</sup>		
i) Develop standards to support existing Request No. <a href="#">R05004</a> .		

<sup>4</sup> Paragraph 1390 of FERC Order No. 890, issued February 16, 2007: We will not modify the pro forma OATT to address requests to allow the transmission provider to terminate idle transmission service requests. NAESB's business practice 001-4.11 allows the transmission provider to retract a request if the transmission customer does not respond to an acceptance within the time established in NAESB business practice standard 001-4.13. Therefore, we interpret TDU Systems comments to refer to circumstances when a transmission customer fails to respond to the transmission provider's request for additional information during the course of a request study. As discussed above, by the time the transmission provider offers a system impact study agreement, it should have all of the information that it needs to complete the study. Pursuant to section 17.4 of the pro forma OATT, the transmission provider can deem a transmission service request deficient if the transmission customer does not provide all of the information the transmission provider needs to evaluate the request for service. We will revise section 17.7 of the pro forma OATT so that the transmission provider is able to terminate a request for transmission service if a transmission customer that is extending the commencement of service does not pay the required annual reservation fee within 15 days of notifying the transmission provider that it would like to extend the commencement of service. We will not change the pro forma OATT to allow the transmission provider to terminate a transmission service request if the transmission customer changes its application for service. We believe the existing pro forma OATT is sufficient to allow a transmission provider to manage situations where the transmission customer modifies its application for service to the point that the customer is requesting transmission service that is meaningfully different than its initial request.

<sup>5</sup> Paragraph 1627 of FERC Order No. 890, issued February 16, 2007: We agree with suggestions for the posting of additional curtailment information on OASIS and, therefore, require transmission providers, working through NAESB, to develop a detailed template for the posting of additional information on OASIS regarding firm transmission curtailments. Transmission providers need not implement this new OASIS functionality and any related business practices until NAESB develops appropriate standards. These postings must include all circumstances and events contributing to the need for a firm service curtailment, specific services and customers curtailed (including the transmission provider's own retail loads), and the duration of the curtailment. This information is in addition to the Commission's existing requirements: (1) when any transmission is curtailed or interrupted, the transmission provider must post notice of the curtailment or interruption on OASIS, and the transmission provider must state on OASIS the reason why the transaction could not be continued or completed; (2) information to support any such curtailment or interruption, including the operating status of facilities involved in the constraint or interruption, must be maintained for three years and made available upon request to the curtailed or interrupted customer, the Commission's Staff, and any other person who requests it; and, (3) any offer to adjust the operation of the transmission provider's system to restore a curtailed or interrupted transaction must be posted and made available to all curtailed and interrupted transmission customers at the same time.

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**As Approved by NAESB Board of Directors on September 23, 2010 With Suggested Changes From the WEQ Executive Committee and Leadership**

Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
1) The processing of transmission service requests, which use TTC/ATC/AFC, in coordination with NERC changes to MOD 001 where the allocation of flowgate capability based on historical Network Native Load impacts the evaluation of transmission service requests, requiring the posting of those allocation values in conjunction with queries of service offerings on OASIS  Status: Underway	1 <sup>st</sup> Q, 2011	OASIS
<b>3 Develop business practices standards to improve the current operation of the wholesale electric market and develop and maintain business practice and communication standards for OASIS and Electronic Scheduling</b>		
a) Develop and/or maintain business practice standards as needed for OASIS and electronic scheduling. Specific items to address include:		
i) Network Services: Determine and develop needed business practice standards or other support is needed to support use of OASIS for Network Service transactions ( <a href="#">R04006E</a> ). (Related to AP 2(a)(iii)) <sup>3</sup>  Status: Underway	1 <sup>st</sup> Q, 2011	OASIS
ii) Registry (TSIN): Determine and develop needed business practice standards to support the registry functions currently supported by NERC ( <a href="#">R04037</a> , <a href="#">R06027</a> ).		
1) Transition the TSIN Registry from NERC to NAESB as the enhanced Electric Industry Registry (EIR), ( <a href="#">R06027</a> ).  Status: Underway, contract signed.	2 <sup>nd</sup> Q, 2011	NAESB/NERC Administration, JESS
iii) Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff ( <a href="#">R05019</a> ).  Status: Deleted as a duplicate of 2009 AP item 2.a.ii.2		
iv) Make remaining incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS ( <a href="#">R05026</a> ).  Scoping <a href="#">statement</a> completed by SRS. There were a number of assignments from the Standards Request. The outstanding items are included below:		
1) Eliminate Masking of TSR tag source and sink when requested status is denied, withdrawn refused, displaced, invalid, declined, annulled or retracted  Status: Not Started	2012	OASIS
2) Initiate standard that eliminates the disparity of posting “sensitive” information. This standard should also include procedures of user certification that allows access to this class of information.  Status: Underway (upon further development of this item by NAESB, a completion date will be determined)	2012	OASIS



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	<b>Item Description</b>	<b>Completion<sup>1</sup></b>	<b>Assignment<sup>2</sup></b>
3)	Enhance the TSR result postings to allow showing of (i) limiting transmission elements and (ii) available generation dispatch options that would allow acceptance of reservation request.  Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2012	OASIS
v)	Develop, coordinate interoperability testing, and implement e-Tag version 1.8.1  Status: Completed.	1 <sup>st</sup> Q, 2010	JESS
vi)	Review and correct WEQ-004 Coordinate Interchange Business Practice Standard as needed based on activities in NERC Project 2008-12, Coordinate Interchange Standards Revisions and supporting EOP-002-2 R4 and R6. [note: this is a new item]  Status: Underway. Completion date dependent upon coordination activities with NERC.	2011	JESS
b)	Develop and/or maintain standard communication protocols and cyber-security business practices as needed.		
i)	Develop PKI certification program for e-Tag and OASIS  Status: Underway	3 <sup>rd</sup> Q 2011	Board Certification Program Committee
ii)	Develop PKI standards for OASIS.  Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	2012	OASIS
iii)	Develop Industry Implementation Plan for meeting PKI Standard requirements for e-tagging.  Status: Underway. Full e-Tag implementation (server & client side) is linked to the transition of the Registry from NERC to NAESB and NAESB implementation.	TBD – dependent on item above (i) and EIR	JESS

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Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<p><b>4 Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs</b></p>		
<p>Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.</p>		
<p>a) Review the NAESB Business Practices for Measurement and Verification of Wholesale Electricity Demand Response (WEQ-015) in conjunction with the IRC developed Demand Response Matrix and identify business practice requirements that could be improved or made clearer through the addition of specific technical detail. The wholesale and retail demand response work groups and the Smart Grid Standards Subcommittees should actively and timely communicate and coordinate work products to ensure consistency between the three work groups. Each work group should take into account the work products developed by the other.</p>	Phase 2 – 4 <sup>th</sup> Q 2010	WEQ Section of the Joint WEQ/REQ DSM- EE Subcommittee
<p>Status: Completed</p>		
<p>b) For each performance evaluation type/service type combination identified in WEQ-015, using the IRC matrix as a starting point, assess and determine what standards or guidelines, if any, should be developed to aid all participants in the use of measurement and verification methods for demand response programs in organized wholesale electric markets. If the determination is made that standards or guidelines will be developed, those items will be added as sub-items to 4(b).</p>	Phase 2 – 4 <sup>th</sup> Q 2010	WEQ Section of the Joint WEQ/REQ DSM- EE Subcommittee
<p>Status: Completed</p>		
<p>c) Develop glossary for business practice standards</p>	Ongoing	Joint WEQ/REQ DSM Subcommittee
<p>Status: Ongoing</p>		
<p>d) Develop business practice standards used to measure and verify reductions in energy and demand from energy efficiency in wholesale and retail markets.<sup>3</sup> This includes developing business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard.</p>	4 <sup>th</sup> Q, 2010	Joint WEQ/REQ DSM-EE Subcommittee
<p>Status: Completed</p>		
<p>e) Create common interfaces and data structures necessary for enrolling DR sites into a DR program (Request No. <a href="#">R10002</a>)</p>	4 <sup>th</sup> Q, 2010	REQ portion of the Joint WEQ/REQ DSM-EE Subcommittee with coordination with Smart Grid Standards Task Force and REQ BPS
<p>Status: Reassigned to Retail Electric Quadrant Only</p>		

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Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>5 Maintain existing body of Version 2.x standards</b>		
a) Make consistency changes to Version 2.2 standards as directed by the WEQ Leadership Committee on December 12, 2007 OASIS Consistency Changes (R08001, R08002, R08003, R08005)  Status: Not Started (upon initiation of this item by NAESB, a completion date will be determined)	TBD	OASIS
b) Consistent with ¶51 of FERC Order No. 890-A, add AFC and TFC values to the “System_Attribute” data element of the NAESB Standard WEQ-003: OASIS S&CP Data Dictionaries. ( <a href="#">R08011</a> )  Status: Not Started. This Standards Request was assigned to the OASIS in May 2008.	TBD	OASIS
c) Correct WEQ 013-2.6.7.2. – Resale off OASIS ( <a href="#">R08027</a> ) Status: Not Started	TBD	OASIS
d) Add language to WEQ-001-4 Online Negotiation and Confirmation process to clarify Table 4-3 ( <a href="#">R09003</a> ) Status: Not Started	TBD	OASIS
e) Create a new OASIS mechanism that allows for the merger of like reservations without the use of the resale mechanism ( <a href="#">R09015</a> ) Status: Not Started	TBD	OASIS
<b>6. Develop Smart Grid Wholesale and Retail Electric Standards</b> - The wholesale and retail demand response work groups and the Smart Grid task force should actively and timely communicate and coordinate work products to ensure consistency between the three work groups. Each work group should take into account the work products developed by the other.		
a) Develop requirements and use cases for PAP 03 – Pricing Model		
i). Phase 1 Status: Completed	1 <sup>st</sup> Q, 2010	Joint WEQ/REQ SGS Subcommittee
ii) Phase 2 Status: Completed	4 <sup>th</sup> Q, 2010	Joint WEQ/REQ SGS Subcommittee
b) Develop requirements and use cases for PAP 04 – Scheduling Model		
i) Phase 1 Status: Completed	1 <sup>st</sup> Q, 2010	Joint WEQ/REQ SGS Subcommittee
ii) Phase 2 Status: Completed	4 <sup>th</sup> Q, 2010	Joint WEQ/REQ SGS Subcommittee
c) Develop requirements and use cases for PAP 09 – Demand Response/Distributed Energy Resources		

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	<b>Item Description</b>	<b>Completion<sup>1</sup></b>	<b>Assignment<sup>2</sup></b>
i)	Phase 1 Status: Completed	1 <sup>st</sup> Q, 2010	WEQ Section of the Joint WEQ/REQ SGS Subcommittee
ii)	Phase 2 Status: Completed	4 <sup>th</sup> Q, 2010	WEQ Section of the Joint WEQ/REQ SGS Subcommittee
d)	Develop standards to support PAP 10 – Standards Energy Usage Information		
i)	Act as a convener (develop and implement a plan to expedite harmonized standards development and adoption within the associated standards bodies) and develop business practice standards as needed and assigned to NAESB for PAP 10 – Standard Energy Usage Information Status: Completed	2 <sup>nd</sup> Q, 2010	Joint WEQ/REQ PAP 10 SGS Subcommittee
ii)	Develop Information Model and related business practices Status: Complete	4 <sup>th</sup> Q, 2010	Joint WEQ/REQ PAP 10 SGS Subcommittee
e)	Develop standards to support inclusion of OpenADE requirements document into the NAESB Smart Grid standards ( <a href="#">R10008</a> ), specifically to standardize the exchange of Energy Usage Information. Status: Reassigned to REQ only.	4 <sup>th</sup> Q, 2010	REQ section of the Joint WEQ/REQ PAP 10 SGS Subcommittee Task Force
<b>7.</b>	<b>Develop or modify standards to Support <a href="#">FERC Order No. 676-E</a>, (Docket No. RM 05-5-013)</b>		
a)	Review standards 001-14.1.3 and 001-15.1.2 based on FERC Order No. 676-E (See ¶ 39 <sup>6</sup> ) Status: Not Started	2 <sup>nd</sup> Q, 2011	OASIS
b)	Develop standards to support the Transmission Provider right to reassess the availability of conditional firm (See ¶ 72 <sup>7</sup> ) Status: Not Started	2 <sup>nd</sup> Q, 2011	OASIS

<sup>6</sup> 39. In regards to Entergy's question of whether the transmission provider's calculated and posted available flowgate capability values should be used to fulfill the posting requirements set forth in Standard 001-14 and 001-15 in instances where there is no requirement to convert this calculation to available transfer capability values, we agree with Entergy that this requirement can be met by the transmission provider posting its available flowgate capability values. As to EPSA's argument that Standard 001-15 falls short of the goals of Order No. 890, we find that, with the exception of Standard 001-15.1.2, compliance with Standard 001-15 provides all of the information required by Order No. 890. However, Standards 001-14.1.3 and 001-15.1.2 permit transmission providers to post an available transfer capability change narrative within five business days of meeting the criteria under which a narrative is required to be posted. In Order No. 890, the Commission rejected calls for delays prior to posting data and required posting as soon as possible. We do not find the NAESB standard meets this criterion and therefore decline to incorporate Standards 001-14.1.3 and 001-15.1.2 by reference. Transmission providers must post their narratives as soon as feasibly possible. Posting within one day would appear in most cases to be reasonable.

<sup>7</sup> 72. However, we reiterate here the Commission's finding in Order No. 890 that a transmission provider is permitted to extend its right to reassess the availability of conditional firm service. Since the Version 002.1 Standards do not specifically

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Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
c) Prepare status reports every six months regarding the development of standards for the coordination of transmission service requests across multiple transmission systems (See ¶ 105 <sup>8</sup> ). This annual plan item is tied to Annual Plan Item 2(a)(iii) Status: Underway – first report filed.	Ongoing	NAESB Office

address this issue, we would ask the industry, working through NAESB, to continue to look at additional business practice standards facilitating a transmission provider's extension of its right to perform a reassessment

<sup>8</sup> 105. We agree that insufficient progress has been made on this issue. While we acknowledge that development of standards addressing this issue is included in NAESB's 2009 WEQ Annual Plan, we nevertheless urge NAESB to address this issue as soon as possible. Accordingly, we request that NAESB provide the Commission with a status report concerning its progress on this issue every six months, counting from the date this final rule is published in the Federal Register, until NAESB's adoption of the applicable standard(s).

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**PROVISIONAL ITEMS**

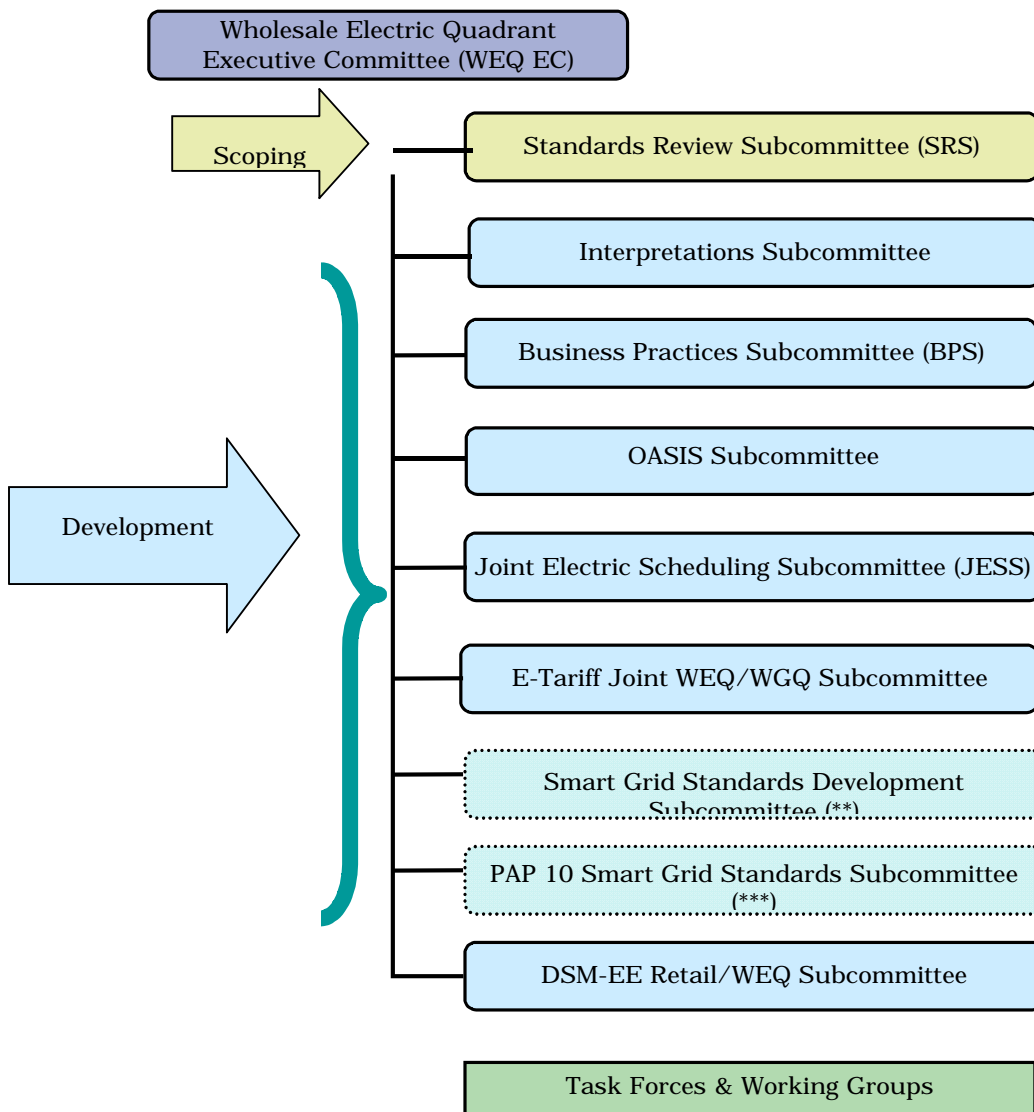
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- 1 Develop and or modify business practices related to support of NERC effort on the NERC Resources and Transmission Adequacy (Project 2009-05 Resource Adequacy Assessment).
- 2 Develop business practices for allocating capacity among requests received during a submittal window Order 890-A ([Docket Nos. RM05-17-001, 002 and RM05-25-001, 002](#) - Paragraph 805).<sup>9</sup>
- 3 Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC) and develop any necessary standards.
- 4 Prepare recommendations for future path for TLR (equity concerns) in concert with NERC, which may include alternative congestion management procedures<sup>4</sup>. Work on this activity is dependent on completing 2010 WEQ Annual Plan 1.a (Parallel Flow Visualization/Mitigation for Reliability Coordinators in the Eastern Interconnection).
- 5 Develop complementary standards that align with NERC Project 2008-01 Voltage and Reactive Control, for which a white paper is expected after the SAR is authorized to proceed by the NERC Standards Committee.
- 6 *Provisional Item No. 6 was added to the 2010 Annual Plan as Item No. 1(d)*
- 7 Determine NAESB action needed to support FERC Action Plan for Smart Grid Technology.
- 8 Develop business practice standards for cap and trade programs for green house gas
- 9 Conduct assessment to determine if Electric Industry Requirements documented in WEQ-011 Gas / Electric Coordination should be considered reliability requirements and transition to NERC.
- 10 Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. Common code usage is linked to the transition of the Registry from NERC to NAESB.
- 11 *Provisional Item No. 11 was determined to only affect the REQ, and as such was added to the 2010 Retail Annual Plan as Item No. 3e.*
- 12 Review the need for, and develop standards where appropriate, in response to issues raised by FERC’s National Action Plan on Demand Response.
- 13 Coordinate standards development with the NERC Balancing Authority Reliability Based Controls Standards Drafting Team (BARCSDT- created in July 2010) regarding Time Error and Inadvertent (BAL-004 and BAL-006), which may require changes to NAESB WEQ standards. (Previously WEQ 2010 Annual Plan Item 1b).
- 14 Coordinate standards development with the NERC Balancing Authority Reliability Based Controls Standards Drafting Team (BARCSDT- created in July 2010) regarding DCS and AGC (BAL-002 and BAL-005) which may require changes to NAESB WEQ standards. (Previously WEQ 2010 Annual Plan Item 1c).

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<sup>9</sup> 805. The Commission recognizes that developing methods to allocate capacity among requests received during a submittal window may require detailed procedures, particularly when transmission requests received simultaneously exceed available capacity. As the Commission explained in Order No. 890, however, we believe that each transmission provider is in the best position to develop allocation procedures that are suitable for its system. This does not preclude transmission providers from working through NAESB to develop standardized practices, as suggested by Southern. For example, as we pointed out in Order No. 890, allocation methods such as that used by PJM to allocate monthly firm point-to-point transmission service could provide useful guidance in developing general allocation procedures.

## WHOLESALE ELECTRIC QUADRANT EXECUTIVE COMMITTEE AND SUBCOMMITTEE STRUCTURE

**NAESB WEQ EC and Subcommittee Leadership:**

Executive Committee: Kathy York (WEQ EC Chair) and Alan Johnson (WEQ EC Vice Chair)

Standards Review Subcommittee: Narinder Saini, Ed Skiba

Interpretations Subcommittee: Ed Skiba

Business Practices Subcommittee &amp; Task Forces: Jim Busbin (TLR), Ed Skiba

Open Access Same Time Information System (OASIS): Paul Sorenson, J.T. Wood, Marcie Otondo

Joint Electric Scheduling Subcommittee (JESS): Bob Harshbarger (NAESB), Clint Aymond (NERC)

e-Tariff Joint WEQ/WGQ Subcommittee (e-Tariff): Jane Daly (WEQ), Keith Sappenfield (WGQ)

DSM-EE REQ/WEQ Subcommittee: Ruth Kiselewich and David Koogler (Retail), Roy True and Paul Wattles (WEQ)

(\*\*) The Smart Grid Standards Subcommittee is a joint group of the retail electric and wholesale electric quadrants with other standards development groups such as OASIS (Organization for the Advancement of Structured Information Standards, not Open Access Same Time Information Systems related to NAESB standards and FERC actions), CalConnect, FIX and UCAIug, among others. Direction may be given from NIST, DoE or FERC and the group reports jointly to the NAESB Board Smart Grid Strategic Steering Committee and the WEQ and REQ ECs. The group is chaired by Brent Hodges, Joe Zhou, Wayne Longcore

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and Robert Burke.

(\*\*\*) The PAP 10 Smart Grid Standards Subcommittee is a joint group of the retail electric and wholesale electric quadrants with other standards development groups such as OASIS, UCAIug, OpenADE, ZigBee, ASHRAE, EIS Alliance, NARUC and includes other groups. Direction may be given from NIST, DoE or FERC and the group reports jointly to the NAESB Board Smart Grid Strategic Steering Committee and the WEQ and REQ ECs. The group is chaired by Brent Hodges, Phil Precht, Cathy Wesley, Sharon Dinges, David Kaufman, Brad Ramsay, Tobin Richardson and Ed Koch.



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April 30, 2011**The NAESB Standards Development Process**

NAESB is focused on proposing, considering, and adopting voluntary standards and model business practices that will have a significant and lasting impact on all aspects of the natural gas and electricity marketplaces. As a result of the standards NAESB adopts, it is expected that the industry will operate more efficiently and effectively, benefiting both the industry and its customers. At the same time, it must be acknowledged that NAESB standards may constitute a change in the way parties do business, with an accompanying effect on the use and allocation of resources.

NAESB's policy is to move at a deliberate pace, consistent with its annual plan(s), thus permitting those affected by its standards, especially those standards adopted as regulations by the Federal Energy Regulatory Commission (FERC) or other regulatory bodies, to assimilate them as part of their business practices. To this end, NAESB will carefully consider whether proposed standards are both timely and necessary. In particular, it will try to avoid adopting and implementing new standards, however beneficial, before the industry is able to reasonably make use of them.

The standards development process is governed by the annual plan, and items can be included in the plan or modified only with Board approval. The plan typically reflects requests from NAESB members, government agencies, and other interested parties. In approving the annual plan, the Board considers the availability of resources, including the NAESB budget and staff and the availability of industry volunteers. New requests received throughout the year are either considered part of the existing annual plan or as new items that require Board approval.

The standards development process begins with an annual plan item or a triaged and approved request. Triage is a process used by each quadrant of the Executive Committee (EC) to determine whether a request is within scope, which quadrant(s) it applies to, which subcommittee(s) it should be referred to, and what priority it should be assigned. Triage is carried out by EC members appointed by the EC chair. Triage recommendations are submitted to the en banc EC and require EC approval, and may also require Board approval if there are scope questions or if a modification of the annual plan is required.

Once the triage process is completed, the subcommittees—more than one are normally involved in standards recommendations—review the request, compare it to existing standards, and prepare recommendations that may take the form of new or modified standards or interpretations. Participation in EC subcommittees is open to any interested party regardless of membership status. All subcommittee participants may vote; voting is balanced by segment and quadrant. All votes are public.

When the recommendation is complete, it is made available for a thirty-day industry comment period. The recommendation and comments are then forwarded to the EC, which considers the recommendation, makes any changes it deems necessary, and takes a vote. A recommendation must receive an affirmative vote of at least 67 percent from each applicable quadrant EC and 40 percent from each of the segments of the applicable quadrant(s).

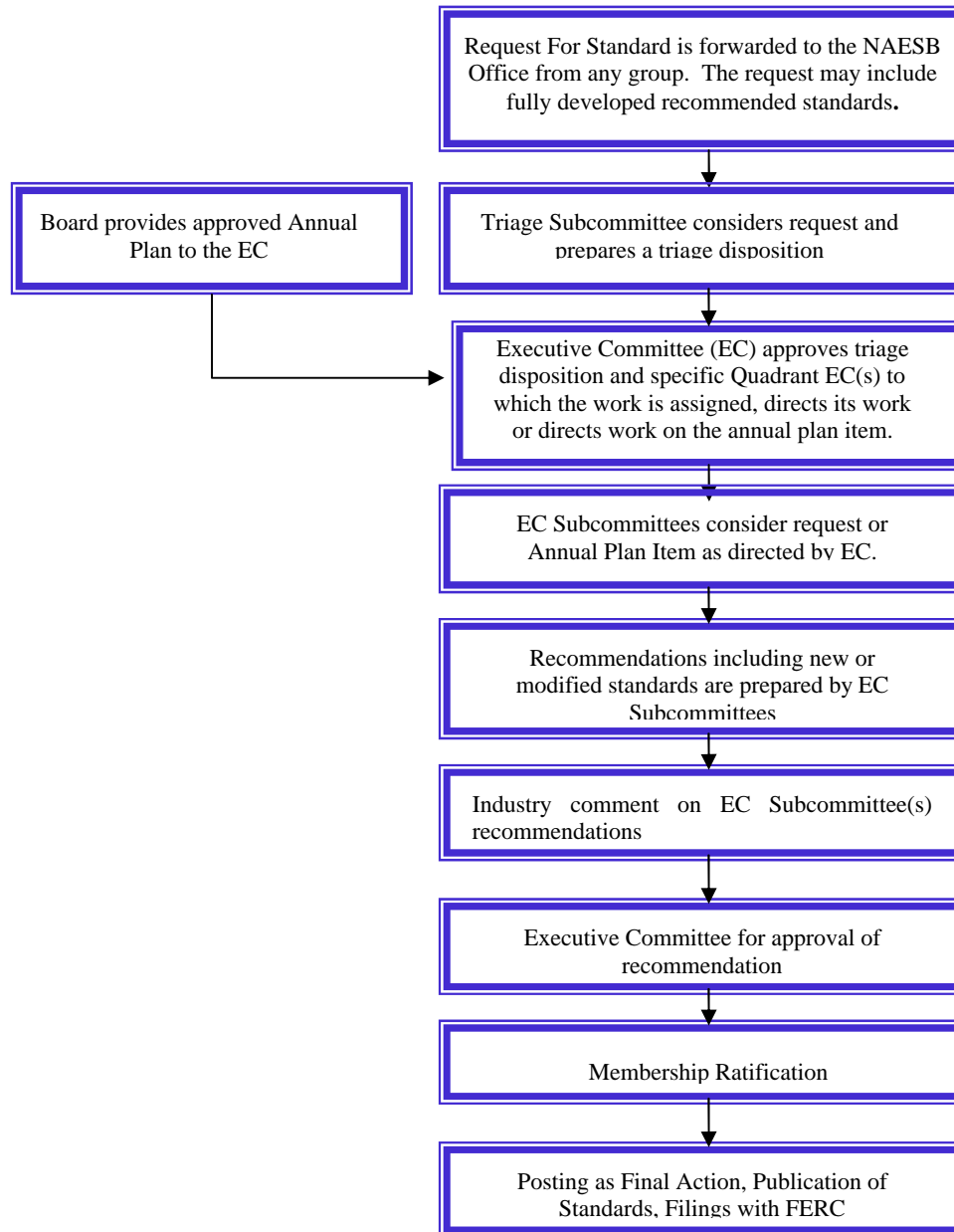
After passage by the EC, the recommendation must be ratified by the NAESB members. An affirmative vote of 67 percent of the members of the applicable quadrant(s) is required for ratification. After ratification, standards and modifications are considered final actions and will be published in the next version of NAESB standards.

All NAESB quadrants follow the same development process described herein. The process has been followed by the WGQ since 1994 and has been used to develop more than five hundred standards that have been incorporated by reference into federal regulations.

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North American Energy Standards Board  
Standards Development Process Flow Chart



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## Flexibility

NAESB recognizes that flexibility is necessary as standards are developed to address regional concerns or to incorporate variances to accommodate operational or structural differences. Several WEQ standards incorporate regional or operational differences for both Version 0 and Version 1. There is a high threshold for incorporating such variances in a standard; the subcommittee(s) in drafting the standard, the EC in approving the subcommittee recommendation, and the membership in approving the standard must all agree that such variance is necessary. Nonetheless, NAESB procedures are well suited to take into account operational and regional differences.

## Transparency

All NAESB meetings are open for attendance and participation by any interested party, with the exception of executive sessions of the Board or Managing Committee for purposes of discussing personnel, compensation or legal issues. Meeting announcements and agendas are posted in advance to permit the widest possible participation. Conference-calling capability is available for all meetings and web casting is available for most. Those intending to attend a meeting in person or by telephone are asked to notify NAESB by a specific date to permit adequate meeting planning.

Transcripts are made of all Board of Directors and EC meetings, and may also be made of other meetings that are expected to be controversial. Transcripts are maintained in the NAESB office and are provided to regulatory agencies for their internal use. All other interested parties can purchase transcripts from the relevant transcription service.

## Coordination with NERC

For business practice standards development for the WEQ, if it is determined by NERC and NAESB Executive Management that joint development is needed by NERC and NAESB, the NERC-NAESB Coordination Joint Development Process is implemented.<sup>1</sup> This process requires that the appropriate NAESB Subcommittee and NERC Standards drafting team work together to develop reliability standards and business practices.

The Joint Interface Committee of NAESB, NERC and the ISO-RTO Council (“JIC”) was dissolved as part of the agreement to create the Independent Grid Operator segment of the WEQ. The joint development process between NAESB and NERC is being used to ensure appropriate coordination. The ISOs and RTOs have strong

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<sup>1</sup> The NERC-NAESB Coordination Joint Development Process was submitted to the Commission on February 17, 2006 in Attachment C of the Progress Report on NAESB Activities impacting Docket No. RM05-5-000, “Standards for Business Practices and Communication Protocols for Public Utilities”: [http://www.naesb.org/doc\\_view2.asp?doc=ferc021706.pdf](http://www.naesb.org/doc_view2.asp?doc=ferc021706.pdf).

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decision-making roles in both NERC and NAESB, and thus with the use of the joint development process, the JIC was no longer necessary.

#### Accessibility of Standards and Work Products

The NAESB standards and protected work products are accessible to members at no cost as a benefit of their membership. Non-members can purchase the standards as a full version, or they can purchase individual final actions. Non-members can also access the standards at no cost by requesting an evaluation copy. NAESB standards and protected work products are copyrighted. Non-members can download a NAESB materials order form from the NAESB web site for ordering standards or for instructions on accessing standards for evaluation.

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#### End Notes WEQ 2009 Annual Plan:

<sup>1</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

<sup>2</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

<sup>3</sup> The Electronic Scheduling Subcommittee and Information Technology Subcommittee (ESS/ITS) were merged together through a decision made at the May 12, 2009 WEQ EC meeting. The new subcommittee is named Open Access Same Time Information System Subcommittee (OASIS) and is now shown for assignments in this and future annual plans as OASIS. Similarly the Joint Interchange Scheduling Working Group (JISWG) was renamed the Joint Electric Scheduling Subcommittee and now reports to the WEQ EC. JESS is now shown for assignments in this and future annual plans rather than JISWG. The changes took effect on August 1, 2009.

<sup>4</sup> For additional information, please see comments submitted by PJM and MISO for this Annual Plan Item:  
[http://www.naesb.org/pdf3/weq\\_aplan102907w1.pdf](http://www.naesb.org/pdf3/weq_aplan102907w1.pdf).

#### End Notes WEQ 2010 Annual Plan:

<sup>1</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee, sub-committee or task force. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

<sup>2</sup> The assignments are abbreviated. The abbreviations and sub-committee structure can be found at the end of the annual plan document.

<sup>3</sup> Energy efficiency may be a wholesale product, such as capacity. Energy efficiency in retail markets may be from individual energy efficiency measures at the project level or a portfolio of projects that make up an energy efficiency program.

<sup>4</sup> For additional information, please see comments submitted by PJM and MISO for this Annual Plan Item:  
[http://www.naesb.org/pdf3/weq\\_aplan102907w1.pdf](http://www.naesb.org/pdf3/weq_aplan102907w1.pdf).

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**DISTRIBUTION LIST SORTED BY ORGANIZATION**

Jeb Bartley, Accenture  
Amadou Fall, ACES Power Marketing, LLC  
Roy True, ACES Power Marketing  
H. Neal Allen, Alabama Power Company  
Judy W. Ray, Alabama Power Company  
David P. Johnson, Allegheny Energy, Inc.  
Terri Grabiak Knupp, Allegheny Power  
Teri Lutz, Allegheny Power  
Ed Miller, Allegheny Power  
Gary Musgrave, Allegheny Power  
Cassandra Robinson, Allegheny Power  
Thomas Rone, Allegheny Power  
Steve Capanna, Alliance to Save Energy  
Tom Simchak, Alliance to Save Energy  
Rodney Sobin, Alliance to Save Energy  
Patrick Eynon, Ameren  
Denise Simpson, Ameren  
Heather Takle, Ameresco  
Lonni Dieck, American Electric Power  
Sherri Monteith, American Electric Power  
Mariam Arnaout, American Gas Association (AGA)  
J.P. Blackford, American Public Power Association  
Allen Mosher, American Public Power Association  
S Balakrishnan, ANB Enterprises, Inc.  
Bob Gray, Arizona Corporation Commission  
Gary Duede, Arizona Public Service  
Kent Walter, Arizona Public Service  
Meg Matt, Association of Energy Services Professionals (AESP)  
Ralph Martinez, Balance Energy  
Linh Tran, Balance Energy  
Bob Rowe, Balhoff & Rowe, LLC  
Howard H. Shafferman, Ballard Spahr Andrews & Ingersoll, LLP  
Kristy Fleischmann, Baltimore Gas and Electric  
David Kelly, Baltimore Gas and Electric  
Ruth Kiselewich, Baltimore Gas and Electric  
Jeanie Nathaniel, Baltimore Gas and Electric  
Phil Precht, Baltimore Gas and Electric  
Mary Straub, Baltimore Gas and Electric  
Sheldon Switzer, Baltimore Gas and Electric  
William Wolf, Baltimore Gas and Electric  
Yolanda Mason, Bayboro EC, Inc.  
Brett A. Perlman, Bector Consultant  
Vicky A. Bailey, BHMM Energy Services, LLC

Yvonne Coleman, Bonneville Power Administration  
Jason Salmi Klotz, Bonneville Power Administration  
Pamela Sporborg, Bonneville Power Administration  
Ken Keating, Bonneville Power Administration  
Josh Warner, Bonneville Power Administration  
Rodereck Kelley, Bonneville Power Authority  
Philip Q. Hanser, Brattle Group, The  
Owen J. Kopon, Brickfield, Burchette, Ritts & Stone, PC  
Shaun Moher, Brickfield, Burchette, Ritts & Stone, PC  
Damon Xenopoulos, Brickfield, Burchette, Ritts & Stone, PC  
Kevin Colmer, California ISO  
Sean Crimmins, California ISO  
Heather Sanders, California Independent System Operator Corporation  
Kevin Galligan, Cape Light Compact  
The Honorable Dian Grueneich, Commissioner, California Public Utilities Commission  
Tom Olinger, CenterPoint Energy  
James P. Cargas, City of Houston  
Kerry Meade, CLEAResult Consulting  
Eric Stern, CLEAResult Consulting  
Melissa Culbertson, CLEAResult Incorporated  
Glenn Garland, CLEAResult Incorporated  
Jonathan Kleinman, CLEAResult Incorporated  
John Oyhenart, CLEAResult Incorporated  
Dan Ellis, Climate Master  
Robert Sallee, Climate Master  
Dixon Yee, City of Palo Alto Utilities  
Jeff Hein, Colorado Public Utilities Commission  
Jim Templeton, Comprehensive Energy Services  
Carlos Lamas-Babbini, Comverge  
Wendell Miyaji, Comverge  
Brad Swalwell, Comverge  
Chris Fan, Con Edison  
Elizabeth Fennell, Con Edison  
Elena Futoryan, Con Edison  
Steven Mysholowsky, Con Edison  
Norberto Rivera, Con Edison  
Andre Wellington, Con Edison  
Nelson Yip, Con Edison  
Tess Pierluissi, Consolidated Edison  
Marc Hoffman, Consortium for Energy Efficiency  
Monica Nevius, Consortium on Energy Efficiency  
Cheryl Hindes, BGE Constellation Energy  
Craig Markham, Constellation Energy

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**DISTRIBUTION LIST SORTED BY ORGANIZATION**

Stephen Knapp, Constellation Energy Commodities Group, Inc.	Thomas Osterhus, Duke Energy
Rick Walden, Constellation Energy Group	Dan Flaherty, Duquesne Light Company
Tarra Bolduc, Constellation NewEnergy	Mary Anne Brelinsky, Eagle Energy Partners
Peter Dotson-Westphalen, Constellation NewEnergy	Cade Burks, EC Power
Brett Feldman, Constellation NewEnergy	Eric Ackerman, Edison Electric Institute
Teri Van Sumeren, Consumers Energy	James P. Fama, Edison Electric Institute
Janette Dudley, CPower, Inc.	Diane Munns, Edison Electric Institute
Murtaza Kapadia, CPower, Inc.	Steven Rosenstock, Edison Electric Institute
Dirk Mahling, CPower, Inc.	Grace Soderberg, Edison Electric Institute
Nicholas Justice Planson, CPower, Inc.	Steve Kromer, Efficiency Valuation Organization
Katherine George, Demand Response Coordinating Committee	Abraham Raher, Efficiency Valuation Organization
Marie Pieniazek, Demand Response & Energy Consulting, LLC	Bob Enriken, Electric Power Research Institute
Paul M. Pietsch, Demand Response Coordinating Committee	Krish Gomatom, Electric Power Research Institute
Michael R. Flores, Direct Energy	Jennifer Robinson, Electric Power Research Institute
Chuck Moore, Direct Energy	Nancy Bagot, Electric Power Supply Association
Jamie Wimberly, Distributed Energy Financial Group LLC	Jack Cashin, Electric Power Supply Association
Ben Boyd, Distribution Control Systems, Inc.	John Shelk, Electric Power Supply Association
Daniel Cleverdon, District of Columbia Public Service Commission	Philip DiPastena, Electric Reliability Council of Texas
Robert Burnette, Dominion	Steve Krein, Electric Reliability Council of Texas
Ed Hall, Dominion	Joel Mickey, Electric Reliability Council of Texas
Deanna Kesler, Dominion	Ken Monts, Electric Reliability Council of Texas
David Koogler, Dominion	Susan Munson, Electric Reliability Council of Texas
Sharon Neidert, Dominion	Paul Wattles, Electric Reliability Council of Texas
Ripley Newcomb, Dominion	Phil Bisesi, ElectricCities of North Carolina
Anne B. Rhoades, Dominion	Greg Locke, ElectricCities of North Carolina
Shannon Venable, Dominion	John Hughes, Electricity Consumers Resource Council (ELCON)
Kathy W. Johnson, Dominion Resources	James Tillett, Endeavor Engineering, Inc.
Anne B. Rhoades, Dominion Resources	Ren Orans, Energy and Environmental Economics, Inc.
Mike Jesensky, Dominion Resources	Bruce Campbell, EnergyConnect
Richard Zelenko, Dominion Retail Inc.	Jacob Dobscha, EnergyConnect
Mary Edwards, Dominion Virginia Power	Daniel Perez, Energy Curtailment Specialists, Inc.
Clayton Crouch, Dominion Virginia Power/North Carolina Power	Glen E. Smith, Energy Curtailment Specialists, Inc.
Rob Rice, Dominion Virginia Power	Paul Tyno, Energy Curtailment Specialists, Inc.
Clifford Grimm, DTE Energy	Marjorie Perlman, Energy East Management
Debbie Hayes, DTE Energy	Tom Gianneschi, Energy Regulatory Affairs, Alcoa, Inc.
Mark R. Williamson, DTE Energy	George Behr, Energy Services Group
Bruce Sailors, Duke Energy	Fred Gordon, Energy Trust of Oregon
Walt Yeager, Duke Energy Americas, LLC	David Clarke, Energy Washington Week
Ollie Frazier, Duke Energy Corporation	Tom Atkinson, EnerNOC
Dan Jones, Duke Energy Corporation	Aaron Breidenbaugh, EnerNOC
Ashlie Ossege, Duke Energy Corporation	Kristin Brief, EnerNOC
	Phil Giudice, EnerNOC
	Tim Healy, EnerNOC
	Rick Paradis, EnerNOC

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**DISTRIBUTION LIST SORTED BY ORGANIZATION**

Terry Sick, EnerNOC	William (Bill) Prindle, ICF International
Rob Southern, EnerNOC	Lou Ann Westerfield, Idaho Public Utility Commission
Brianna Tufts – EnerNOC	Biju Gopi, IESO
Mark Bruckner, Entergy	Marvin Rosenberg, Independent
Ed Davis, Entergy	TD Smith, Institute for Electric Efficiency
Floyd Galvan, Entergy	Rhonda Ferguson, Integrys
Karen Radosevich, Entergy	Bill Bourbonnais, Integrys Energy Services, Inc.
Narinder Saini, Entergy	Dennis M. Derricks, Integrys Group
John N. Moore, Environmental Law and Policy Center	Jim Beyer, Integrys
Denise Mulholland, EPA	Melissa Lauderdale, Integrys Energy
Bernie Neenan, EPRI	Ilze Rukis, Integrys Energy Group
Marc Tannenbaum, Evergreen Software Inc.	Steve Schiller, International Program Measurement and Verification Protocol (IPMVP)
Scott Brown, Exelon Corporation	Robert Burke, ISO New England Inc.
Audrey Lyke, Exelon Corporation	Matthew F. Goldberg, ISO New England, Inc.
Stephen Bennett, Exelon Power Team	David LaPlante, ISO New England Inc.
Ryan Irwin, Federal Energy Regulatory Commission	Robert Laurita, ISO New England Inc.
David Kathan, Federal Energy Regulatory Commission	Eric Winkler, ISO New England Inc.
Bill Lohrman, Federal Energy Regulatory Commission	Henry Yoshimura, ISO New England Inc.
Mary Beth Tighe, Federal Energy Regulatory Commission	Chris Haslund, Itron, Inc.
Sandra Waldstein, Federal Energy Regulatory Commission	Dave Hanna, Itron – Consulting & Analysis
The Honorable Jon Wellinghoff, Commissioner, Federal Energy Regulatory Commission	Joe Loper, Itron, Inc.
Robert Martinko, FirstEnergy Corp.	P G (Bud) Para, JEA
Dennis Brandt, Florida Power and Light Company	Kelly R. Smith – Johnson Controls
Dan Haywood, Florida Power & Light	Jason Jones, Kansas City Power & Light
Paul N. Smolen, Fox, Smolen & Associates	Dan Barbieri, KEMA
Phil Audet, Frontier Associates	Tim Hennessy, KEMA
Ed Garcia, Frontier Associates	Daniel Waitroob, KEMA Services
John McClain, Frontier Associates	Mimi Goldberg, Kema/Xnergy
Greg Landreth, Frontier Association	Liz Hicks, Kema/Xnergy
Jay Zarnikau, Frontier Associates	Bruce Johnson, KeySpan Corporation
Earl Fair, Gainesville Regional Utilities	Christopher Kotting, Kottage Industries, LLC
Richard Spellman, GDS Associates, Inc.	Girish Ghatikar – Lawrence Berkeley National Laboratory
Greg Ewing, Good Company Associates	Chuck Goldman, Lawrence Berkeley National Laboratory
Robert King, Good Company Associates	June Han, Lawrence Berkeley National Laboratory
Bill Bland, GoodCents	Grayson Heffner, Lawrence Berkeley National Laboratory
Robert Mason, GoodCents	Sila Kiliccote, Lawrence Berkeley National Laboratory
Liza Thompson, GoodCents	David Watson, Lawrence Berkeley National Laboratory
Michael Chen-Young, GreenSmith Energy Management Systems	Mark R. Bowen, Lockheed Martin Information Technology
Marija Zivanovic Smith, Gridpoint	Rebecca A. Klein, Loeffler Tuggey Pauerstein Rosenthal, LLP
Donna Harper, Honeywell	Joel Cordero, Los Angeles Dept. of Water and Power
Thomas McMahon, Honeywell Utility Solutions	Richard Davies, Maine Office of Public Advocate
Val Jensen, ICF International	Denis Bergeron, Maine Public Utilities Commission
David Meisegeier, ICF International	Katherine Johnson, Market Development Group
David Pickles, ICF International	Huilan Li, Maryland Public Service Commission

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**DISTRIBUTION LIST SORTED BY ORGANIZATION**

Dan Norfolk, Maryland Public Service Commission	Jay Morrison, National Rural Electric Cooperative Association
W. Robert Keating, Mass. Department of Telecommunication & Energy	Mary Ann Ralls, National Rural Electric Cooperative Association
The Honorable Alan M. Freifeld, Commissioner, Maryland Public Service Commission	Timothy Douek, Navigant Consulting
The Honorable James Y Kerr III, McGuire Woods LLP & McGuire Woods Consulting LLC	James Manning, NCEMCS
Huilan Li, Maryland Public Service Commission	Jack Floyd, NC Utilities Commission – Public Staff
Grey Staples, Mendota Group, LLC	Bob Hinton, NC Utilities Commission – Public Staff
Jeff King, Metropolitan Washington Council of Governments	Steve Waite, NEEP
Pete Schimpke, Michigan Public Power Agency	John W. Charlton, New York ISO
Annette Holst, MidAmerican Energy	Ernie Cardone, New York ISO
Rick Leuthauser, MidAmerican Energy Company	Robb Pike, New York ISO
Carol D. Parker, MidAmerican Energy Company	Donna Pratt, New York ISO
Richard Walker, MidAmerican Energy Company	Phillip Shafeei, New York ISO
James Wilson, MidAmerican Energy Company	Diane Barney, New York Public Service Commission
Alicia Ward, Midwest Energy Efficiency Alliance	Alice Miller, New York Department of Public Service
Robert Borlick, Midwest ISO	Lisa Rosi, New York Department of Public Service
Vijaya Ganugula, Midwest ISO	Sigmund Peplowski, New York State Dept. of Public Service
Marie Knox, Midwest ISO	Stacey Harwood, New York State Dept. of Public Service
Ted Kuhn, Midwest ISO	William (Bill) Saxonis, New York State Dept. of Public Service
Rob Lamoureux, Midwest ISO	Bruce Ellsworth, New York State Reliability Council
Mike Robinson, Midwest ISO	Greg Clendenning, Nexus Market Research, Inc.
Ed Skiba, Midwest ISO	Tim Pettit, Nexus Market Research, Inc.
Mark Westendorf, Midwest ISO	Andrew Rodriguez, North American Electric Reliability Corporation
Li Zhang, Midwest ISO	Mark Lauby, North American Electric Reliability Corporation
Gary Kajander, Monsanto	David R. Nevius, North American Electric Reliability Corporation
Jonathan Booe, NAESB	Stephanie Monzon, North American Electric Reliability Corporation
Rae McQuade, NAESB	John Moura, North American Electric Reliability Corporation
Denise Rager, NAESB	Julia Souder, North American Electric Reliability Corporation
Angela Gonzales, NAESB	Clay Norris, North Carolina Municipal Power Agency #1
Veronica Thomason, NAESB	The Honorable Samuel Ervin IV, Commissioner, North Carolina Utilities Commission
Chuck Gray, National Association of Regulatory Utility Commissioners	Julie Michals, Northeast Energy Efficiency Partnerships, Inc.
Charles A. Acquard, National Association of State Utility Consumer Advocates	Elizabeth Titus, Northeast Energy Efficiency Partnerships, Inc.
John McCarthy, National Energy Board	Sue Coakley, Northeast Energy Efficiency Project
Craig G. Goodman, National Energy Marketers Association	Michael F. Ahern, Northeast Utilities
Stacey Rantala, National Energy Marketers Association	Calvin Bowie, Northeast Utilities
Mike Novak, National Fuel Gas Distribution Corporation	Dave Dobratz, Northeast Utilities
David Jacobson, National Grid	
Doug Smith, National Grid	
Jim Stanzione, National Grid	
Tim Stout, National Grid	
Carol White, National Grid	
John Holt, National Rural Electric Cooperative Association	



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**DISTRIBUTION LIST SORTED BY ORGANIZATION**

Gene Fry, Northeast Utilities	Clifford Garner, Portland General Electric
Sanda O'Neil, Northeast Utilities	Emilie Witkowski, Portland General Electric
Dave Scott, Northeast Utilities	Michele Greening, PPL EnergyPlus, LLC
John Scricca, Northeast Utilities	Jim Minneman, PPL Solutions
Thomas A. Adams, Northrop Grumman, Tech. Services	David Meade, Praxair
Robert Russell, Northwest Energy Efficiency Alliance	Michael Jacob, Progress Energy Carolinas, Inc.
Tom Eckman, Northwest Power and Conservation Council	Nina McLaurin, Progress Energy
Paul McCurley, NRECA	John Masiello, Progress Energy Florida
David Olivier, NSTAR Electric & Gas	Charles Thomas, Progress Energy Florida
Dave Weber, NSTAR Electric	Steven Maestas, Public Service Co. of New Mexico
Lisa Shea, NSTAR Electric & Gas	Susanna Chiu, Public Service Electric and Gas
Michelle D'Antuono, Occidental Energy Ventures Corp	Fred Lynk, Public Service Electric and Gas
Scott Wardle, Occidental Chemical	Terry Moran, Public Service Electric and Gas
Faith S. Lambert, Office of Weatherization and Intergovernmental Program, EE-2K	Shawnee Claiborn-Pinto, Public Utility Commission of Texas
The Honorable Donald L. Mason, All American Energy Partners LLC	Cliff Crouch, Public Utility Commission of Texas
Thom Pearce, Public Utilities Commission of Ohio	Ernest Garcia, Public Utility Commission of Texas
Deborah McKeever, Oncor	Theresa Gross, Public Utility Commission of Texas
Terry Bates, Oncor Electric Delivery	Voiteh Yaroshevich, Public Utility Commission of Texas
Jeff Reed, Oncor Electric Delivery	Laura Feinstein, Puget Sound Energy
Neil Hutchings, Ontario Power Authority	Syd H. France, Puget Sound Energy
Brent Leith, Oracle	Shannon McCormick, Puget Sound Energy
Heidi Konynenbelt, Otter Tail Power Company	Kevin Gresham, Reliant Energy
Kim Pederson, Otter Tail Power Company	Ross Malme, RETX
Rebecca Wentler, Otter Tail Power Company	Bob Schwermann, Sacramento Municipal Utility District
Robert Kasman, Pacific Gas & Electric	Vikki Wood, Sacramento Municipal Utility District
Don Peterson, Pacific Gas and Electric	Stephen Pelcher, Santee Cooper
Bill Marek, PacifiCorp	Joseph Lynch, SCANA
Elliott Boardman, Peak Load Management Association (PLMA)	Sonya Green-Sumpter, SCANA
Craig Boice, Peak Load Management Association (PLMA)	Erin Erben, Salt River Project
John J. McCawley, PECO	Bill Lawton, Seminole Electric
Paul Miles, PECO Energy	Lane Mahaffey, Seminole Electric
Kurt Sontag, PECO Energy	Herb Emmrich, Sempra Utilities
Mickealia Wilson, PECO Energy	Andrey Komissarov, Sempra Utilities
Murty Bhavaraju, PJM Interconnection, LLC	Kelly Ross Gillespie, Southeast Energy Efficiency Alliance c/o Alliance to Save Energy
Sarah Burlew, PJM Interconnection, LLC	Ryn Hamilton, Southern California Edison
Susan Covino, PJM Interconnection, LLC	Joe Marone, Southern California Edison
Adrien Ford, PJM Interconnection, LLC	Mark S. Martinez, Southern California Edison
Leanne Harrison, PJM Interconnection, LLC	Joe McCawley, Southern California Edison
Susan Kenney, PJM Interconnection, LLC	Lee Stewart, Southern California Gas Company
Pete Langben, PJM Interconnection, LLC	John Ciza, Southern Company
Alex Ma, PJM Interconnection, LLC	Wilbur Johnson, Southern Company
Serhan Ogur, PJM Interconnection, LLC	Daryl McGee, Southern Company
Anne Arquit Niederberger, Policy Solutions	Dean Ulch, Southern Company
	Kyle Leach, Southern Company

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**DISTRIBUTION LIST SORTED BY ORGANIZATION**

Kenneth Shiver, Southern Company Services	Christopher Freitas, U S Department of Energy
Howard Geller, Southwest Energy Efficiency Alliance	Lawrence Mansueti, U S Department of Energy
Michael Desselle, Southwest Power Pool	Lew W. Pratsch, U S Department of Energy
Dowell Hudson, Southwest Power Pool	Stacy Angel, U S Environmental Protection Agency
Carl Monroe, Southwest Power Pool	Nikolaas Dietsch, U S Environmental Protection Agency
Katy Onnen, Southwest Power Pool	Dan Delurey, U.S. Demand Response Coordinating Committee
Joshua H. Phillips, Southwest Power Pool	Daniel Adamo, UGI Utilities, Inc.
Mark Robinson, Southwest Power Pool	William McAllister, UGI Utilities
Mark Rogers, Southwest Power Pool	Scott Coe, UISOL
Mary Klos, Summit Blue Consulting	Michelle Michot Foss, University of Texas at Austin Center for Energy Economics
Daniel Violette, Summit Blue Consulting	Ron Russell, University of Texas MD Anderson Cancer Center
Kevin Coney, Summit Blue Consulting	David R. Eichenlaub, VA State Corporation Commission
Can Yentur, SunGard Consulting Services, LLC	Patricia Banet, Vectren
Curt Bryan, SunGard Consulting Services, LLC	Amanda Eades, Vectren
Linda Gee, SunGard Consulting Services, LLC	Marlene Parsley, Vectren
Ross Lucas, SunGard Consulting Services, Inc.	Robbie Sears, Vectren
Paul Peterson, Synapse Energy Economics	Colleen Orsburn, Vermont Energy Investment Corp.
Vladlena Sabodash, Synapse Energy Economics	Pam Stonier, Vermont Public Service Board
Dave Darnell, Systrends	Diane Jenkins, Virginia State Corporation Commission
Gail McKaig, Tampa Electric Company	Allen M. Freifeld, Viridity Energy, Inc.
Nick Hall, TecMarket Works	Kenneth Laughlin, Viridity Energy
John D. Varnell, Tenaska Power Services	Alain P. Steven, Viridity Energy, Inc.
Joshua Brister, Tennessee Valley Authority	David Nightingale – WA Utilities and Transportation Commission
Matthew Mitchell, Tennessee Valley Authority	Andrew Horstman, Wabash Valley Power
Howard Bryant, TECO Energy	Kevin Warren, Warren Energy Engineering, LLC
Matt Brown, Tennessee Valley Authority	Barb Kedrowski, We Energies
David Chamberlain, Tennessee Valley Authority	Shah Hossain, Westar Energy
Edward Colston, Tennessee Valley Authority	Ismael Aguayo, Western Electricity Coordinating Council
Valerie Crockett, Tennessee Valley Authority	Michelle Mizumori, Western Electricity Coordinating Council
Jason Haile, Tennessee Valley Authority	Mike Wells, Western Electricity Coordinating Council
Kyle Lawson, Tennessee Valley Authority	Christopher Burden, Williams Gas Pipeline
Kathy York, Tennessee Valley Authority	Ronda Ferguson, Wisconsin Public Service Corporation
Carrie Voss, Tennessee Valley Authority	Valy Goepfrich, WPPI Energy
Robert W. Gee, The Gee Strategies Group	Cynthia M. Henry, Xcel Energy
Richard Sedano, The Regulatory Assistance Project	Carolyn Brouillard, Xcel Energy
Kevin Dunlap, The Structure Group	Liam Noailles, Xcel Energy
Karen Wei, The Structure Group	
Roddy Diotalevi, The United Illuminating Co.	
Megan Pomeroy, The United Illuminating Co.	
Mack Wallace, TXU Energy	

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**DISTRIBUTION LIST SORTED BY NAME**

Eric Ackerman, Edison Electric Institute	Mark Bruckner, Entergy
Charles A. Acquard, National Association of State Utility Consumer Advocates	Curt Bryan, SunGard Consulting Services, LLC
Daniel Adamo, UGI Utilities	Howard Bryant, TECO Energy
Thomas A. Adams, Northrop Grumman, Tech. Services	Christopher Burden, Williams Gas Pipeline
Ismael Aguayo, Western Electricity Coordinating Council	Robert Burke, ISO New England Inc.
Michael F. Ahern, Northeast Utilities	Cade Burks, EC Power
H. Neal Allen, Alabama Power Company	Sarah Burlew, PJM Interconnection, LLC
Stacy Angel, U S Environmental Protection Agency	Robert Burnette, Dominion
Mariam Arnaout, American Gas Association (AGA)	Bruce Campbell, EnergyConnect
Tom Atkinson, EnerNOC	Steve Capanna, Alliance to Save Energy
Phil Audet, Frontier Associates	Ernie Cardone, New York ISO
Nancy Bagot, Electric Power Supply Association	James P. Cargas, City of Houston
Vicky A. Bailey, BHMM Energy Services, LOC	Jack Cashin, Electric Power Supply Association
S Balakrishnan, ANB Enterprises, Inc.	David Chamberlain, Tennessee Valley Authority
Patricia Banet, Vectren	John W. Charlton, New York ISO
Dan Barbieri, KEMA	Michael Chen-Young, GreenSmith Energy Management Systems
Diane Barney, New York Public Service Commission	Susanna Chiu, Public Service Electric and Gas
Terry Bates, Oncor Electric Delivery	John Ciza, Southern Company
Jeb Bartley, Accenture	Shawnee Claiborn-Pinto, Public Utility Commission of Texas
George Behr, Energy Services Group	David Clarke, Energy Washington Week
Stephen Bennett, Exelon Power Team	Greg Clendenning, Nexus Market Research, Inc.
Denis Bergeron, Maine Public Utilities Commission	Daniel Cleverdon, District of Columbia Public Service Commission
Jim Beyer, Integrys	Sue Coakley, Northeast Energy Efficiency Project
Murty Bhavaraju, PJM Interconnection, LLC	Scott Coe, UISOL
Phil Bisesi, ElectricCities of North Carolina	Yvonne Coleman, Bonneville Power Administration
J.P. Blackford, American Public Power Association	Kevin Colmer, California ISO
Bill Bland, GoodCents	Edward Colston, Tennessee Valley Authority
Elliott Boardman, Peak Load Management Association (PLMA)	Kevin Cooney, Summit Blue Consulting
Craig Boice, Peak Load Management Association	Joel Cordero, Los Angeles Dept. of Water and Power
Tara Bolduc, Constellation NewEnergy	Susan Covino, PJM Interconnection, LLC
Jonathan Booe, NAESB	Sean Crimmins, California ISO
Robert Borlick, Midwest ISO	Valerie Crockett, Tennessee Valley Authority
Bill Bourbonnais, Integrys Energy Services, Inc.	Clayton Crouch, Dominion Virginia Power/North Carolina Power
Mark R. Bowen, Lockheed Martin Information Technology	Cliff Crouch, Public Utility Commission of Texas
Calvin Bowie, Northeast Utilities	Melissa Culbertson, CLEAResult Incorporated
Ben Boyd, Distribution Control Systems, Inc.	Michelle D'Antuono, Occidental Energy Ventures Corp
Dennis Brandt, Florida Power and Light Company	Dave Darnell, Systrends USA
Mary Anne Brelinsky, Eagle Energy Partners	Ed Davis, Entergy
Aaron Breidenbaugh, EnerNOC	Richard Davies, Maine Office of Public Advocate
Kristin Brief, EnerNOC	Dan Delurey, U.S. Demand Response Coordinating Committee
Joshua Brister, Tennessee Valley Authority	Dennis M. Derricks, Integrys Group
Carolyn Brouillard, Xcel Energy	Michael Desselle, Southwest Power Pool
Matt Brown, Tennessee Valley Authority	
Scott Brown, Exelon Corporation	

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**DISTRIBUTION LIST SORTED BY NAME**

Lonni Dieck, American Electric Power	Gene Fry, Northeast Utilities
Nikolaas Dietsch, U S Environmental Protection Agency	Elena Futoryan, Con Edison
Roddy Diotalevi, The United Illuminating Co.	Cory Galik, NAESB
Philip DiPastena, Electric Reliability Council of Texas	Kevin Galligan, Cape Light Compact
Jacob Dobscha, EnergyConnect	Floyd Galvan, Entergy
Peter Dotson-Westphalen, Constellation NewEnergy	Vijaya Ganugula, Midwest ISO
Timothy Douek, Navigant Consulting	Ed Garcia – Frontier Associates
Janette Dudley, CPower, Inc.	Ernest Garcia, Public Utility Commission of Texas
Gary Duede, The Structure Group	Glenn Garland, CLEAResult Incorporated
Kevin Dunlap, The Structure Group	Clifford Garner, Portland General Electric
Amanda Eades, Vectren	Linda Gee, SunGard Consulting Services, LLC
Tom Eckman, Northwest Power and Conservation Council	Robert W. Gee, The Gee Strategies Group
Mary Edwards, Dominion Virginia Power	Howard Geller, Southwest Energy Efficiency Alliance
Troy R. Eichenberger, Tennessee Valley Authority	Katherine George, Demand Response Coordinating Committee
David R. Eichenlaub, VA State Corporation Commission	Girish Ghatikar – Lawrence Berkeley National Laboratory
Dan Ellis, Climate Master	Tom Gianneschi, Energy Regulatory Affairs, Alcoa, Inc.
Bruce Ellsworth, New York State Reliability Council	Kelly Ross Gillespie, Southeast Energy Efficiency Alliance c/o Alliance to Save Energy
Herb Emmrich, Sempra Utilities	Phil Giudice, EnerNOC
Robert Enriken, Electric Power Research Institute	Valy Goepfrich, WPPI Energy
Patrick Eynon, Ameren	Matthew Goldberg, ISO New England
Erin Erben, Salt River Project	Mimi Goldberg, Kema/Xnergy
The Honorable Samuel Ervin IV, Commissioner, North Carolina Utilities Commission	Chuck Goldman, Lawrence Berkeley National Laboratory
Greg Ewing, Good Company Associates	Krish Gomatam, Electric Power Research Institute
Earl Fair, Gainesville Regional Utilities	Angela Gonzales, NAESB
Amadou Fall, ACES Power Marketing, LLC	Craig G. Goodman, National Energy Marketers Association
James P. Fama, Edison Electric Institute	Biju Gopi, IESO
Chris Fan, Con Edison	Fred Gordon, Energy Trust of Oregon
Chris Farmer, Pacificorp	Terri Grabiak Knupp, Allegheny Power
Laura Feinstein, Puget Sound Energy	Bob Gray, Arizona Corporation Commission
Brett Feldman, Constellation NewEnergy	Chuck Gray, National Association of Regulatory Utility Commissioners
Elizabeth Fennell, Con Edison	Michele Greening, PPL EnergyPlus, LLC
Rhonda Ferguson, Integrys	Sonya Green-Sumpter, SCANA
Ronda Ferguson, Wisconsin Public Service Corporation	Theresa Gross, Public Utility Commission of Texas
Dan Flaherty, Duquesne Light Company	Kevin Gresham, Reliant Energy
Kristy Fleischmann, Baltimore Gas and Electric	Clifford Grimm, DTE Energy
Michael R. Flores, Direct Energy	The Honorable Dian Grueneich, Commissioner, California Public Utilities Commission
Jack Floyd, NC Utilities Commission – Public Staff	Jason Haile, Tennessee Valley Authority
Adrien Ford, PJM Interconnection, LLC	Ed Hall, Dominion
Michelle Michot Foss, University of Texas at Austin Center for Energy Economics	Leah Hall, TransCanada
Syd H. France, Puget Sound Energy	Nick Hall, TecMarket Works
Ollie Frazier, Duke Energy Corporation	Ryn Hamilton, Southern California Edison
The Honorable Alan M. Freifeld, Commissioner, Maryland Public Service Commission	June Han, Lawrence Berkeley National Laboratory
Allen M. Freifeld, Viridity Energy, Inc.	Dave Hanna, Itron – Consulting & Analysis
Christopher Freitas, U S Department of Energy	

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**DISTRIBUTION LIST SORTED BY NAME**

Philip Q. Hanser, Brattle Group, The	David Kelly, Baltimore Gas and Electric
Donna Harper, Honeywell	Susan Kenney, PJM Interconnection, LLC
Leanne Harrison, PJM Interconnection, LLC	The Honorable James Y Kerr III, McGuire Woods LLP & McGuire Woods Consulting LLC
Stacey Harwood, NYSDPS	Deanna Kesler, Dominion
Chris Haslund, Itron, Inc.	Sila Kiliccote, Lawrence Berkeley National Laboratory
Debbie Hayes, DTE Energy	Jeff King, Metropolitan Washington Council of Governments
Dan Haywood, Florida Power & Light	Robert King, Good Company Associates
Tim Healy, EnerNOC	Ruth Kiselewich, Baltimore Gas and Electric
Grayson Heffner, Lawrence Berkeley National Laboratory	Rebecca A. Klein, Loeffler Tuggey Pauerstein Rosenthal, LLP
Jeff Hein, Colorado Public Utilities Commission	Jonathan Kleinman, CLEAResult Incorporated
Tim Hennessy, KEMA	Mary Klos, Summit Blue Consulting
Cynthia M. Henry, Xcel Energy	Jason Salmi Klotz, Bonneville Power Administration
Liz Hicks, Kema/Xnergy	Stephen Knapp, Constellation Energy Commodities Group, Inc.
Cheryl Hindes, BGE Constellation Energy	Marie Knox, Midwest ISO
Bob Hinton, NC Utilities Commission – Public Staff	Andrey Komissarov, Sempra Utilities
Marc Hoffman, Consortium for Energy Efficiency	Heidi Konynenbelt, Otter Tail Power Company
Annette Holst, MidAmerican Energy	David Koogler, Dominion
John Holt, National Rural Electric Cooperative Association	Owen J. Kopon, Brickfield Burchette Ritts & Stone, PC
Andrew Horstman, Wabash Valley Power	Christopher Kotting, Kottage Industries, LLC
Shah Hossain, ELCON	Steve Krein, Electric Reliability Council of Texas
Dowell Hudson, Southwest Power Pool	Steve Kromer, Efficiency Valuation Organization
John Hughes, Electricity Consumers Resource Council (ELCON)	Ted Kuhn, Midwest ISO
Neil Hutchings, Ontario Power Authority	Carlos Lamas-Babbini, Comverge
Ryan Irwin, Federal Energy Regulatory Commission	Faith S. Lambert, Office of Weatherization and Intergovernmental Program, EE-2K
Michael Jacob, Progress Energy Carolinas, Inc.	Rob Lamoureux, Midwest ISO
David Jacobson, National Grid	Greg Landreth, Frontier Associates
Diane Jenkins, Virginia State Corporation Commission	Pete Langben, PJM Interconnection, LLC
Val Jensen, ICF International	David LaPlante, ISO New England Inc.
Mike Jesensky, Dominion Resources	Mark Lauby, North American Electric Reliability Corporation
Bruce Johnson, KeySpan Corporation	Melissa Lauderdale, Integrys Energy
David P. Johnson, Allegheny Energy, Inc.	Kenneth Laughlin, Viridity Energy
Katherine Johnson, Market Development Group	Robert Laurita, ISO New England Inc.
Kathy W. Johnson, Dominion Resources	Kyle Lawson, Tennessee Valley Authority
Wilbur Johnson, Southern Company	Bill Lawton, Seminole Electric
Dan Jones, Duke Energy Corporation	Kyle Leach, Southern Company
Jason Jones, Kansas City Power & Light	Brent Leith, Oracle
Gary Kajander, Monsanto	Rick Leuthauser, MidAmerican Energy Company
Murtaza Kapadia, CPower	Greg Locke, Electricities of North Carolina
Robert Kasman, Pacific Gas & Electric	Bill Lohrman, Federal Energy Regulatory Commission
David Kathan, Federal Energy Regulatory Commission	Joe Loper, Itron, Inc.
Ken Keating, Bonneville Power Administration	Ron Losh, Southwest Power Pool
W. Robert Keating, Mass. Department of Telecommunication & Energy	
Barb Kedrowski, We Energies	
Rodereck Kelley, Bonneville Power Authority	

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**DISTRIBUTION LIST SORTED BY NAME**

Ross Lucas, SunGard Consulting Services, LLC	Ed Miller, Allegheny Power
Teri Lutz, Allegheny Power	Wendell Miyaji, ComVerge
Audrey Lyke, Exelon Corporation	Alice Miller, New York Department of Public Service
Joseph Lynch, SCANA	Jim Minneman, PPL Solutions
Fred Lynk, Public Service Electric and Gas	Matthew Mitchell, Tennessee Valley Authority
Alex Ma, PJM Interconnection, LLC	Michelle Mizumori, Western Electricity Coordinating Council
Steven Maestas, Public Service Co. of New Mexico	Shaun Moher, Brickfield, Burchette, Ritts and Stone
Lane Mahaffey, Seminole Electric	Carl Monroe, Southwest Power Pool
Dirk Mahling, CPower, Inc.	Sherri Monteith, American Electric Power
Ross Malme, RETX	Ken Monts, Electric Reliability Council of Texas
James Manning, NCEMCS	Stephanie Monzon, North American Electric Reliability Corporation
Lawrence Mansueti, U S Department of Energy	Chuck Moore, Direct Energy
Bill Marek, PacifiCorp	John N. Moore, Environmental Law and Policy Center
Craig Markham, Constellation Energy	Terry Moran, Public Service Electric and Gas
Doug Marley	Anna E. Morgan, Tennessee Valley Authority
Joe Marone, Southern California Edison	Jay Morrison, National Rural Electric Cooperative Association
Mark S. Martinez, Southern California Edison	Allen Mosher, American Public Power Association
Ralph Martinez, Balance Energy	John Moura, North American Electric Reliability Corporation
Robert Martinko, FirstEnergy Corp.	Denise Mulholland, EPA
John Masiello, Progress Energy Florida	Diane Munns, Edison Electric Institute
The Honorable Donald L. Mason, All American Energy Partners LLC	Susan Munson, Electric Reliability Council of Texas
Robert Mason, GoodCents	Gary Musgrave, Allegheny Power
Yolanda Mason, Bayboro EC, Inc.	Steven Mysholowsky, Con Edison
Meg Matt, Association of Energy Services Professionals (AESP)	Jeanie Nathaniel, Baltimore Gas and Electric
William McAllister, FERC	Bernie Neenan, EPRI
William McAllister, UGI Utilities	Sharon Neidert, Dominion
John McCarthy, National Energy Board	Monica Nevius, Consortium on Energy Efficiency
Joe McCawley, Southern California Edison	David R. Nevius, North American Electric Reliability Corporation
John J. McCawley, PECO	Ripley Newcomb, Dominion
John McClain, Frontier Associates	Anne Arquit Niederberger, Policy Solutions
Shannon McCormick, Puget Sound Energy, Inc.	David Nightingale, WA Utilities and Transportation Commission
Paul McCurley, NRECA	Dan Norfolk, Maryland Public Service Commission
Daryl McGee, Southern Company	Clay Norris, North Carolina Municipal Power Agency #1
Gail McKaig, Tampa Electric Company	Liam Noailles, Xcel Energy
Deborah McKeever, Oncor	Mike Novak, National Fuel Gas Distribution Corporation
Nina McLaurin, Progress Energy	Serhan Ogur, PJM Interconnection, LLC
Thomas McMahan, Honeywell Utility Solutions	Tom Olinger, CenterPoint Energy
Rae McQuade, NAESB	David Olivier, NSTAR Electric & Gas
David Meade, Praxair	Sanda O'Neil, Northeast Utilities
Kerry Meade, CLEAResult Consulting	Kathy Onnen, Southwest Power Pool
David Meisegeier, ICF International	Ren Orans, Energy and Environmental Economics, Inc.
Julie Michals, Northeast Energy Efficiency Partnerships, Inc.	
Joel Mickey, Electric Reliability Council of Texas	
Paul Miles, PECO Energy	

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**DISTRIBUTION LIST SORTED BY NAME**

Colleen Orsburn, Vermont Energy Investment Corp.	Mark Robinson, Southwest Power Pool
Ashlie Ossege, Duke Energy Corporation	Mike Robinson, Midwest ISO
Thomas Osterhus, Duke Energy	Andrew Rodriguez, NERC
Ed Overtree, Constellation NewEnergy	Mark Rogers, Southwest Power Pool
John Oyhenart, CLEAResult Incorporated	Thomas Rone, Allegheny Power
P G (Bud) Para, JEA	Marvin Rosenberg, Independent
Rick Paradis, EnerNOC	Steven Rosenstock, Edison Electric Institute
Carol D. Parker, MidAmerican Energy Company	Lisa Rosi, New York State Dept. of Public Service
Marlene Parsley, Vectren	Ilze Rukis, Integrys Group
Thom Pearce, Public Utilities Commission of Ohio	Robert Russell, Northwest Energy Efficiency Alliance
Kim Pederson, Otter Tail Power Company	Ron Russell, University of Texas MD Anderson Cancer Center
Stephen Pelcher, SanteeCooper	Bob Rowe, Balhoff & Rowe, LLC
Sigmund Peplowski, New York State Dept. of Public Service	Ilze Rukis, Integrys Energy Group
Daniel Perez, Energy Curtailment Specialists, Inc.	Vladlena Sabodash, Synapse Energy Economics
Marjorie Perlman, Energy East Management	Bruce Sailors, Duke Energy
Brett A. Perlman, Bector Consultant	Narinder Saini, Entergy
Don Peterson, Pacific Gas and Electric	Robert Sallee, Climate Master
Paul Peterson, Synapse Energy Economics	Heather Sanders, California Independent System Operator Corporation
Tim Pettit, Nexus Market Research, Inc.	William (Bill) Saxonis, New York State Dept. of Public Service
Joshua H. Phillips, Southwest Power Pool	Steve Schiller, International Program Measurement and Verification Protocol (IPMVP)
David Pickles, ICF International	Pete Schimpke, Michigan Public Power Agency
Marie Pieniasek, Demand Response & Energy Consulting, LLC	Bob Schwermann, Sacramento Municipal Utility District
Tess Pierluissi, Consolidated Edison	Dave Scott, Northeast Utilities
Paul M. Pietsch, Demand Response Coordinating Committee	John Scricca, Northeast Utilities
Robb Pike, New York ISO	Robbie Sears, Vectren
Nicholas Justice Planson, CPower, Inc.	Richard Sedano, The Regulatory Assistance Project
Megan Pomeroy, The United Illuminating Co.	Phillip Shafeei, New York ISO
Lew W. Pratsch, U S Department of Energy	Howard H. Shafferman, Ballard Spahr Andrews & Ingersoll, LLP
Donna Pratt, New York ISO	Lisa Shea, NSTAR Electric & Gas
Phil Precht, Baltimore Gas and Electric	John Shelk, Electric Power Supply Association
William (Bill) Prindle, ICF International	Kenneth Shiver, Southern Company Services
Karen Radosevich, Entergy	Terry Sick, EnerNOC
Denise Rager, NAESB	Tom Simchak, Alliance to Save Energy
Abraham Raheer, Efficiency Valuation Organization	Denise Simpson, Ameren
Mary Ann Ralls, National Rural Electric Cooperative Association	Ed Skiba, Midwest ISO
Stacey Rantala, National Energy Marketers Association	Glen E. Smith, Energy Curtailment Specialists, Inc.
Judy W. Ray, Alabama Power Company	Kelly R. Smith – Johnson Controls
Jeff Reed, Oncor Electric Delivery	TD Smith, Institute for Electric Efficiency
Anne B. Rhoades, Dominion	Paul N. Smolen, Fox, Smolen & Associates
Rob Rice, Dominion Virginia Power	Rodney Sobin, Alliance to Save Energy
Norberto Rivera, Con Edison	Grace Soderberg, Edison Electric Institute
Cassandra Robinson, Allegheny Power	Kurt Sontag, PECO Energy
Jennifer Robinson, Electric Power Research Institute	

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**DISTRIBUTION LIST SORTED BY NAME**

Julia Souder, North American Electric Reliability Corporation	Richard Walker, MidAmerican Energy Company
Rob Southern, EnerNOC	Kent Walter, Arizona Public Service
Richard Spellman, GDS Associates, Inc.	Alicia Ward, Midwest Energy Efficiency Alliance
Pamela Sporborg, Bonneville Power Administration	Scott Wardle, Occidental Chemical
Jim Stanzione, National Grid	Kevin Warren, Warren Energy Engineering, LLC
Grey Staples, Mendota Group, LLC	Josh Warner, Bonneville Power Administration
Gregory Staton, DTE Energy	David Watson, Lawrence Berkeley National Lab
Eric Stern, CLEAResult Consulting	Paul Wattles, Electric Reliability Council of Texas
Alain P. Steven, Viridity Energy, Inc.	Dave Weber, NSTAR Electric
Lee Stewart, Southern California Gas Company	The Honorable Jon Wellinghoff, Commissioner, Federal Energy Regulatory Commission
Pam Stonier, Vermont Public Service Board	Karen Wei, The Structure Group
Tim Stout, National Grid	Andre Wellington, Con Edison
Mary Straub, Baltimore Gas & Electric	Mike Wells, Western Electricity Coordinating Council
Brad Swalwell, Comverge	Rebecca Wentler, Otter Tail Power Company
Sheldon Switzer, Baltimore Gas and Electric	Mark Westendorf, Midwest ISO
Heather Takle, Ameresco	Lou Ann Westerfield, Idaho Public Utility Commission
Marc Tannenbaum, Evergreen Software Inc.	Carol White, National Grid
Jim Templeton, Comprehensive Energy Services	Mark R. Williamson, DTE Energy
Charles Thomas, Progress Energy Florida	James Wilson, MidAmerican Energy Company
Veronica Thomason, NAESB	Mickealia Wilson, PECO
Liza Thompson, GoodCents	Jamie Wimberly, Distributed Energy Financial Group LOC
Mary Beth Tighe, Federal Energy Regulatory Commission	Eric Winkler, ISO New England Inc.
James Tillet, Endeavor Engineering, Inc.	Emilie Witkowski, Puget Sound Energy, Inc.
Elizabeth Titus, Northeast Energy Efficiency Partnerships, Inc.	William Wolf, Baltimore Gas and Electric
Linh Tran, Balance Energy	Vikki Wood, Sacramento Municipal Utility District
Roy True, ACES Power Marketing	Damon Xenopoulos, Brickfield, Burchette, Ritts & Stone, PC
Brianna Tufts – EnerNOC	Voitech Yaroshevich, Public Utility Commission of Texas
Paul Tyno, Energy Curtailment Specialist, Inc.	Walt Yeager, Duke Energy Americas, LLC
Dean Ulch, Southern Company	Dixon Yee, City of Palo Alto Utilities
Teri Van Sumeren, Consumers Energy	Can Yentur, SunGard Consulting Services, LLC
John D. Varnell, Tenaska Power Services	Nelson Yip, Con Edison
Shannon Venable, Dominion	Kathy York, Tennessee Valley Authority
Daniel Violette, Summit Blue Consulting	Henry Yoshimura, ISO New England Inc.
Carrie Voss, Tennessee Valley Authority	Jay Zarnikau, Frontier Associates
Daniel Waitroob, KEMA Services	Richard Zelenko, Dominion Retail Inc.
Steve Waite, NEEP	Li Zhang, Midwest ISO
Rick Walden, Constellation Energy Group	Marija Zivanovic Smith, Gridpoint
Sandra Waldstein, Federal Energy Regulatory Commission	
Mack Wallace, TXU Energy	



APPENDIX B – WEQ/RETAIL DSM EE SUBCOMMITTEE MEETING MINUTES LINKS			
DATE OF MEETING	MEETING LOCATION	MEETING MINUTES	NUMBER OF PARTICIPANTS
November 2, 2009	DSM-EE Meeting, Baltimore, MD Hosted by BGE	Meeting Minutes: <a href="http://www.naesb.org/pdf4/dsmee110209fm.doc">http://www.naesb.org/pdf4/dsmee110209fm.doc</a>  Attachment to Minutes: <a href="http://www.naesb.org/pdf4/dsmee110209attach.pdf">http://www.naesb.org/pdf4/dsmee110209attach.pdf</a>	44
January 27, 2010	DSM-EE Retail Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_012710mn.doc">http://www.naesb.org/pdf4/dsmee_group2_012710mn.doc</a>  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_012710a1.doc">http://www.naesb.org/pdf4/dsmee_group2_012710a1.doc</a>	9
February 18, 2010	DSM-EE Retail Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_021810mn.doc">http://www.naesb.org/pdf4/dsmee_group2_021810mn.doc</a>  Attachments to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_021810a1.doc">http://www.naesb.org/pdf4/dsmee_group2_021810a1.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_group2_021810a3.doc">http://www.naesb.org/pdf4/dsmee_group2_021810a3.doc</a> <a href="http://www.naesb.org/member_login_check.asp?doc=dsmee_group2_021810a2.doc">http://www.naesb.org/member_login_check.asp?doc=dsmee_group2_021810a2.doc</a>	10
April 22, 2010	DSM-EE Retail Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_042210mn.doc">http://www.naesb.org/pdf4/dsmee_group2_042210mn.doc</a>  Attachments to Notes: <a href="http://www.naesb.org/member_login_check.asp?doc=dsmee_group2_042210a1.doc">http://www.naesb.org/member_login_check.asp?doc=dsmee_group2_042210a1.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_group2_042210a2.doc">http://www.naesb.org/pdf4/dsmee_group2_042210a2.doc</a>	11
May 13, 2010	DSM-EE Retail Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_051310mn.doc">http://www.naesb.org/pdf4/dsmee_group2_051310mn.doc</a>  Attachments to Notes: <a href="http://www.naesb.org/member_login_check.asp?doc=dsmee_group2_051310a1.doc">http://www.naesb.org/member_login_check.asp?doc=dsmee_group2_051310a1.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_group2_051310a2.doc">http://www.naesb.org/pdf4/dsmee_group2_051310a2.doc</a>	12
May 20, 2010	DSM-EE Meeting, Holyoke, MA Hosted by ISO New England	Meeting Minutes: <a href="http://www.naesb.org/pdf4/dsmee052010fm.doc">http://www.naesb.org/pdf4/dsmee052010fm.doc</a>	32

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DATE OF MEETING	MEETING LOCATION	MEETING MINUTES	NUMBER OF PARTICIPANTS
June 30, 2010	DSM-EE Retail Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_063010mn.doc">http://www.naesb.org/pdf4/dsmee_group2_063010mn.doc</a>	8
July 8, 2010	DSM-EE Joint Wholesale DR Work Group, Retail DR Work Group and Retail Glossary Subcommittee Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary070810mn.doc">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary070810mn.doc</a>  Attachments to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary070810a1.xls">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary070810a1.xls</a> <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary070810a2.doc">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary070810a2.doc</a>	15
July 9, 2010	DSM-EE Retail Demand Response Work Group Request for Informal Comments due July 23, 2010	Request for Informal Comments due July 23, 2010: <a href="http://www.naesb.org/pdf4/dsmee_group2_070910reqcom.doc">http://www.naesb.org/pdf4/dsmee_group2_070910reqcom.doc</a> Attachments to Informal Comments: <a href="http://www.naesb.org/pdf4/dsmee_group2_070910w1.doc">http://www.naesb.org/pdf4/dsmee_group2_070910w1.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_group2_070910w2.doc">http://www.naesb.org/pdf4/dsmee_group2_070910w2.doc</a> Comments Submitted by Energy Curtailment Specialists: <a href="http://www.naesb.org/pdf4/dsmee_group2_070910ecs.pdf">http://www.naesb.org/pdf4/dsmee_group2_070910ecs.pdf</a>	8
July 27, 2010	DSM-EE Meeting, Baltimore, MD Hosted by BGE	Meeting Minutes: <a href="http://www.naesb.org/pdf4/dsmee072710fm.doc">http://www.naesb.org/pdf4/dsmee072710fm.doc</a>	32
August 11, 2010	DSM-EE Retail Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_081110mn.doc">http://www.naesb.org/pdf4/dsmee_group2_081110mn.doc</a>	8
September 1, 2010	DSM-EE Retail Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_090110mn.doc">http://www.naesb.org/pdf4/dsmee_group2_090110mn.doc</a>	10
September 15, 2010	DSM-EE Joint Wholesale DR Work Group, Retail DR Work Group and Retail Glossary Subcommittee Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary091510mn.doc">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary091510mn.doc</a>  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary091510a1.xls">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary091510a1.xls</a>	8
September 21, 2010	DSM-EE Retail Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_092110mn.doc">http://www.naesb.org/pdf4/dsmee_group2_092110mn.doc</a>	12

APPENDIX B – WEQ/RETAIL DSM EE SUBCOMMITTEE MEETING MINUTES LINKS			
DATE OF MEETING	MEETING LOCATION	MEETING MINUTES	NUMBER OF PARTICIPANTS
September 28, 2010	DSM-EE Meeting, Austin, TX Hosted by ERCOT	Meeting Minutes: <a href="http://www.naesb.org/pdf4/dsmee092810dm.doc">http://www.naesb.org/pdf4/dsmee092810dm.doc</a>	29
October 12, 2010	DSM-EE Retail Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_101210mn.doc">http://www.naesb.org/pdf4/dsmee_group2_101210mn.doc</a>  Attachments to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_101210a1.doc">http://www.naesb.org/pdf4/dsmee_group2_101210a1.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_group2_101210a2.doc">http://www.naesb.org/pdf4/dsmee_group2_101210a2.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_group2_101210a3.doc">http://www.naesb.org/pdf4/dsmee_group2_101210a3.doc</a>	10
October 22, 2010	DSM-EE Joint Wholesale DR Work Group, Retail DR Work Group and Retail Glossary Subcommittee Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary102210mn.doc">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary102210mn.doc</a>  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary102210a1.xls">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary102210a1.xls</a>	11
November 2, 2010	DSM-EE Joint Wholesale DR Work Group, Retail DR Work Group and Retail Glossary Subcommittee Conference Call with Web Conferencing	Meeting Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary110210mn.doc">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary110210mn.doc</a>  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary110210a1.xls">http://www.naesb.org/pdf4/dsmee_group2_group3_retail_glossary110210a1.xls</a>	10
December 1, 2010	DSM-EE, Richmond, VA Hosted by Dominion Virginia Power	Meeting Minutes: <a href="http://www.naesb.org/pdf4/dsmee120110dm.doc">http://www.naesb.org/pdf4/dsmee120110dm.doc</a>	25
March 28, 2011	DSM-EE Retail Demand Response Work Group Conference Call with Web Conferencing	Meeting Notes:  Attachment to Notes: <a href="http://www.naesb.org/pdf4/dsmee_group2_032811a1.doc">http://www.naesb.org/pdf4/dsmee_group2_032811a1.doc</a> <a href="http://www.naesb.org/pdf4/dsmee_group2_032811a2.pdf">http://www.naesb.org/pdf4/dsmee_group2_032811a2.pdf</a>	

Appendix C: Executive Committee Meeting Minutes, Comments, Voting Records Links and Availability of Transcripts  
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APPENDIX C – EXECUTIVE COMMITTEE MEETING MINUTES, COMMENTS, VOTING RECORDS LINKS AND AVAILABILITY OF TRANSCRIPTS			
DATE	LINK TO EXECUTIVE COMMITTEE MINUTES AND VOTING RECORDS	LINK TO COMMENTS	AVAILABILITY OF TRANSCRIPTS <sup>1</sup>
October 28, 2009	NAESB Executive Committee Meetings, Richmond, VA Retail EC Minutes: <a href="http://www.naesb.org/pdf4/retail_ec102809fm.doc">http://www.naesb.org/pdf4/retail_ec102809fm.doc</a>	No comments requested or provided relating to the REQ DSM standards	Jill Vaughn, CSR - 281-853-6807
December 22, 2009	NAESB Retail Executive Committee Notational Ballot due January 15, 2010 Results: <a href="http://www.naesb.org/pdf4/retail_ec122209results.doc">http://www.naesb.org/pdf4/retail_ec122209results.doc</a>	No comments requested or provided relating to the REQ DSM standards	No transcripts provided as this was not a meeting – it was a notational ballot.
February 3, 2010	NAESB Executive Committee Meetings, Phoenix, AZ Retail EC Minutes: <a href="http://www.naesb.org/pdf4/retail_ec020310fm.doc">http://www.naesb.org/pdf4/retail_ec020310fm.doc</a>	No comments requested or provided relating to the REQ DSM	Jill Vaughn, CSR - 281-853-6807
February 19, 2010	NAESB Retail Executive Committee Notational Ballot due March 5, 2010 Results: <a href="http://www.naesb.org/pdf4/wgq_req_rgq_ec021910results.doc">http://www.naesb.org/pdf4/wgq_req_rgq_ec021910results.doc</a>	No comments requested or provided relating to the REQ DSM standards	No transcripts provided as this was not a meeting – it was a notational ballot.
May 5, 2010	NAESB Executive Committee Meetings, Harrisburg, PA Retail EC Minutes: <a href="http://www.naesb.org/pdf4/retail_ec050510fm.doc">http://www.naesb.org/pdf4/retail_ec050510fm.doc</a>	No comments requested or provided relating to the REQ DSM	Jill Vaughn, CSR – 281-853-6807
June 7, 2010	NAESB Joint WEQ/REQ Executive Committee Single Topic Review Session (Conference Call with Web Conferencing) Meeting Minutes: <a href="http://www.naesb.org/pdf4/weq_req_ec060710mn.doc">http://www.naesb.org/pdf4/weq_req_ec060710mn.doc</a>	No comments requested or provided relating to the REQ DSM standards	No transcripts provided for review session
June 16, 2010	NAESB Joint WEQ/REQ Executive Committee Single Topic Conference Call with Web Conferencing Meeting Minutes: <a href="http://www.naesb.org/pdf4/weq_req_ec061610fm.doc">http://www.naesb.org/pdf4/weq_req_ec061610fm.doc</a>	No comments requested or provided relating to the REQ DSM standards	Jill Vaughn, CSR – 281-853-6807
August 18, 2010	NAESB Executive Committee Meetings, Colorado Springs, CO Retail EC Minutes: <a href="http://www.naesb.org/pdf4/retail_ec081810fm.doc">http://www.naesb.org/pdf4/retail_ec081810fm.doc</a>	No comments requested or provided relating to the REQ DSM standards	Agren Blando Court Reporting – 303-296-0017

<sup>1</sup> The Federal Energy Regulatory Commission and other regulatory agencies may contact the NAESB office to obtain electronic copies of the transcripts. All others can contact the transcription service and order the transcripts for a nominal fee.

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APPENDIX C – EXECUTIVE COMMITTEE MEETING MINUTES, COMMENTS, VOTING RECORDS LINKS AND AVAILABILITY OF TRANSCRIPTS			
DATE	LINK TO EXECUTIVE COMMITTEE MINUTES AND VOTING RECORDS	LINK TO COMMENTS	AVAILABILITY OF TRANSCRIPTS <sup>1</sup>
October 22, 2010	NAESB Joint WEQ/REQ Executive Committee Single Topic Conference Call with Web Conferencing Meeting Minutes: <a href="http://www.naesb.org/pdf4/weq_req_ec102210fm.doc">http://www.naesb.org/pdf4/weq_req_ec102210fm.doc</a>	No comments requested or provided relating to the REQ DSM standards	Jill Vaughn, CSR – 281-853-6807
October 27, 2010	NAESB Executive Committee Meetings, Richmond, VA Retail EC Minutes: <a href="http://www.naesb.org/pdf4/retail_ec102710fm.doc">http://www.naesb.org/pdf4/retail_ec102710fm.doc</a>	No comments requested or provided relating to the REQ DSM standards	Jill Vaughn, CSR – 281-853-6807
December 8, 2010	NAESB REQ Request for Formal Comments due January 14, 2011: Recommendation Retail 2010 Annual Plan Item 3c – M&V for Demand Response Programs: Redline: <a href="http://www.naesb.org/pdf4/retail_2010_api_3c_rec_redline.doc">http://www.naesb.org/pdf4/retail_2010_api_3c_rec_redline.doc</a> Clean: <a href="http://www.naesb.org/pdf4/retail_2010_api_3c_rec_clean.doc">http://www.naesb.org/pdf4/retail_2010_api_3c_rec_clean.doc</a>	Request for Formal Comments due January 14, 2011: <a href="http://www.naesb.org/pdf4/req_120810_reqcom.doc">http://www.naesb.org/pdf4/req_120810_reqcom.doc</a> Comments Submitted by Duke Energy: <a href="http://www.naesb.org/pdf4/req_120810_duke_ene_rgv.doc">http://www.naesb.org/pdf4/req_120810_duke_ene_rgv.doc</a> Late Comments Submitted by Southern California Edison: <a href="http://www.naesb.org/pdf4/req_120810_sce.doc">http://www.naesb.org/pdf4/req_120810_sce.doc</a>	No transcripts provided as this was not a meeting – it was a request for formal comments.
February 2, 2011	NAESB Executive Committee Meetings, Phoenix, AZ Retail EC Minutes: <a href="http://www.naesb.org/pdf4/retail_ec020211dm.doc">http://www.naesb.org/pdf4/retail_ec020211dm.doc</a>	Recommendation: 2010 Retail Annual Plan Item 3(c) Phase 2: M&V for Demand Response Programs as approved by the REQ Executive Committee on February 2, 2011: <a href="http://www.naesb.org/member_login_form.asp?doc=req_rat021811_2010_retail_api_3_c_rec.doc">http://www.naesb.org/member_login_form.asp?doc=req_rat021811_2010_retail_api_3_c_rec.doc</a>	Jill Vaughn, CSR – 281-853-6807
March 25, 2011	NAESB REQ Executive Committee Notational Ballot due April 8, 2011 Results: <a href="http://www.naesb.org/pdf4/req_ec032511ballot_results.doc">http://www.naesb.org/pdf4/req_ec032511ballot_results.doc</a>	MC11010: Minor Correction to Diagram for Meter Before/Meter After Definition (DSM-EE Standards): <a href="http://www.naesb.org/pdf4/req_mc11010.doc">http://www.naesb.org/pdf4/req_mc11010.doc</a>	No transcripts provided as this was not a meeting – it was a notational ballot.
April 13, 2011	NAESB Retail Executive Committee Notational Ballot due April 27, 2011	MC11012 - Minor Correction to Retail Books, Version 1.3, Business Definitions - updates reflect the most-recently approved definitions by the REQ Glossary Subcommittee: <a href="http://www.naesb.org/pdf4/retail_mc11012.doc">http://www.naesb.org/pdf4/retail_mc11012.doc</a>	No transcripts provided as this was not a meeting – it was a notational ballot.

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APPENDIX D – RATIFICATION BALLOT AND RATIFICATION RESULTS

DATE OF RATIFICATION	RATIFICATION BALLOT	RESULTS	FINAL ACTIONS
February 18, 2011	Ratification Ballot Due March 21, 2011: <a href="http://www.naesb.org/member_login_form.asp?doc=req_rat021811ballot.doc">http://www.naesb.org/member_login_form.asp?doc=req_rat021811ballot.doc</a>  Recommendation: 2010 Retail Annual Plan Item 3(c) Phase 2: M&V for Demand Response Programs as approved by the REQ Executive Committee on February 2, 2011: <a href="http://www.naesb.org/member_login_form.asp?doc=req_rat021811_2010_retail_api_3_c_rec.doc">http://www.naesb.org/member_login_form.asp?doc=req_rat021811_2010_retail_api_3_c_rec.doc</a>	Ratification Tally: <a href="http://www.naesb.org/member_login_form.asp?doc=rat_req032111tally.xls">http://www.naesb.org/member_login_form.asp?doc=rat_req032111tally.xls</a>	2010 Retail Annual Plan Item 3(c) Phase 2 Final Action: M&V for Demand Response: <a href="http://www.naesb.org/member_login_form.asp?doc=fa_2010_retail_api_3_c.doc">http://www.naesb.org/member_login_form.asp?doc=fa_2010_retail_api_3_c.doc</a>

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**Approved by the NAESB Board of Directors on December 10, 2009**

<b>Item Number &amp; Description<sup>1</sup></b>	<b>Completion<sup>2</sup></b>	<b>Assignment<sup>34</sup></b>
1. Electronic Retail Billing.  Develop Technical Electronic Implementation Standards and Data Dictionaries – Book 9: Customer Billing and Payment Notification via Uniform Electronic Transactions, ( <a href="#">R05016</a> and <a href="#">Attachment</a> , submitted by Wal-Mart/J.C. Penney)  Status: Complete	2 <sup>nd</sup> Q, 2009	TEIS
2. Develop Technical Electronic Implementation Standards and Data Dictionaries – Book 8: Customer Information  Status: Complete	2 <sup>nd</sup> Q, 2009	TEIS
3. Develop Technical Electronic Implementation Standards and Data Dictionaries – Book 10: Customer Enrollment, Drop and Account Information Change (Non Texas Model)  Status: Complete	2 <sup>nd</sup> Q, 2009	TEIS
4. Customer Inquiries		
a. Develop Model Business Practices and procedures for responding to customer inquiries directed to Distributors and/or Suppliers and for notification of the other party.  Status: Complete	2 <sup>nd</sup> Q, 2009	BPS
b. Develop Technical Electronic Implementation Standards to support MBPs for customer inquiries directed to Distributors and/or Suppliers and for notification of the other party.  Status: Complete – no standards needed	3 <sup>rd</sup> Q, 2009	IR/TEIS/Texas Task Force
5. Develop NAESB Certification checklist criteria for Retail Quadrants to be used in the NAESB Certification Program.  Status: Not Started. Dependent upon publication of Version 1.1 at a minimum, but more dependent upon completion of Customer Choice efforts.	2 <sup>nd</sup> Q, 2010	Ad Hoc EC Certification Group
6. Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.  Status: Underway	Dates of individual tasks shown below	Joint WEQ/REQ DSM Subcommittee
a. Develop matrix and business practice standards for measurement and verification for demand response products and services in ISO/RTO footprint areas.  Status: Completed	4 <sup>th</sup> Q, 2008	WEQ Section of the Joint WEQ/REQ DSM Subcommittee
b. Develop more detailed technical standards for the measurement and verification of demand response products and services in ISO-RTO footprint areas.  Status: Underway	2010	WEQ Section of the Joint WEQ/REQ DSM Subcommittee
c. Develop preamble for business practice standards for measurement and verification for demand response and energy efficiency programs.	3 <sup>rd</sup> Q, 2009	Joint WEQ/REQ DSM



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<b>Item Number &amp; Description<sup>1</sup></b>	<b>Completion<sup>2</sup></b>	<b>Assignment<sup>34</sup></b>
Status: Completed		Subcommittee
d. Develop glossary for business practice standards Status: Ongoing	Ongoing	Joint WEQ/REQ DSM Subcommittee
e. Support retail development of matrix and model business practice standards for measurement and verification for demand response programs Status: Completed	3 <sup>rd</sup> Q, 2009	Retail Section of the Joint WEQ/REQ DSM Subcommittee
f. Develop business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard. Status: Upon further review, the task force has determined this work will be completed under Annual Plan Item 6g.	Combined with 6g	WEQ Section of the Joint WEQ/REQ DSM Subcommittee
g. Develop business practice standards to factor Demand Control and Energy Efficiency programs into reliability / supply decisions at the wholesale level for generation and transmission planning and operations. Status Underway (An estimated completion date will be established in 4 <sup>th</sup> Q after the new working group has been formalized)	2010	WEQ Section of the Joint WEQ/REQ DSM Subcommittee
h. Develop business practice standards to support cap and trade programs for green house gas. Status: Moved to Provisional Items. This item will not be addressed until Congress has addressed pending legislation.	Moved to Provision Items	Joint WEQ/REQ DSM Subcommittee
i. Support the second phase of retail development of model business practice standards for demand response programs Status: Not started	2010	Joint WEQ/REQ DSM Subcommittee
7. Revise the Trading Partner Agreement TPA by removing the Exhibits from the agreement and relegate such information as contained in the Exhibits to operational worksheet(s), ( <a href="#">R08015</a> ). Status: Complete	2 <sup>nd</sup> Q, 2009	Joint Retail/WGQ Contracts
8. Billing and Payments		
a. Develop Process Flows to be included as models in book 3 – billing and payments Status: Underway	2 <sup>nd</sup> Q, 2010	BPS
b. If the development of Process Flows indicate a gap in the model business practices, then develop new model business practices to address the gap. Status: Underway	2 <sup>nd</sup> Q, 2010	BPS

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<b>Item Number &amp; Description<sup>1</sup></b>	<b>Completion<sup>2</sup></b>	<b>Assignment<sup>34</sup></b>
9. Model Business Practices User Guide  Add a new section to Book 0 to describe what Books have been developed, how the Books are laid out, and revised the title of the Book to reflect the additions  Status: Started	3 <sup>rd</sup> Q, 2010	BPS
10. Additional Registration Agent Processes		
a. Review all existing Model Business Practices to determine if the Service Request process is already covered, and if necessary develop any new Model Business Practices required  Status: Underway	4 <sup>th</sup> Q, 2009	BPS
b. Review all existing Model Business Practices to determine if the update Customer Information process is already covered, and if necessary develop any new Model Business Practices required  Status: Underway	1 <sup>st</sup> Q, 2010	BPS
c. Review all existing Model Business Practices to determine if the disconnection and reconnection process is already covered, and if necessary develop any new Model Business Practices required.  Status: Underway		
i. Create MBPs for disconnection/reconnection initiated by the supplier  Status: Underway	4 <sup>th</sup> Q, 2009	BPS
ii. Create MBPs for disconnection/reconnection initiated by the distribution company  Status: Underway	2 <sup>nd</sup> Q, 2010	BPS
d. Review all existing Model Business Practices to determine if the billing & payment process is already covered, and if necessary develop any new Model Business Practices required  Status: Included in item 8	4 <sup>th</sup> Q, 2009	BPS
11. Supplier Certification  Review Book 1 – Market Participant Interactions to determine if Supplier Certification is fully covered, and if necessary develop any new Model Business Practices required with the potential of moving all related Model Business Practices to a new Book  Status: Not Started	4 <sup>th</sup> Q, 2010	BPS
12. Supplier Marketing Practices  Develop Model Business Practices providing for a “Consumer Disclosure Statement” to be presented to residential and small commercial customers describing the Supplier’s service offering and related contract provisions. This statement would also identify how certain Supplier-Customer interactions are conducted.  Amongst the topics to be considered for inclusion on the statement would be the following:  • the most important terms of the Supplier agreement, such as the contract’s term and termination fee provisions;	4 <sup>th</sup> Q, 2010	BPS

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Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>34</sup>
<ul style="list-style-type: none"> <li>• training and identification of Supplier marketing representatives;</li> <li>• protocols for Supplier in-person and telephone contacts with customers;</li> <li>• added measures for protecting non-English speaking customers; and</li> <li>• Processes for handling customer complaints and resolving disputes arising from Supplier marketing activities.</li> </ul> <p>Status: Not Started</p>		
<b>Program of Standards Maintenance &amp; Fully Staffed Standards Work<sup>5</sup></b>		
Business Practice Requests	Ongoing	Assigned by the EC
Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC
Ongoing Development and Maintenance of Definitions	Ongoing	Glossary

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**Provisional Activities**

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**Joint Effort:**

Supplier Certification: Develop practices for Distribution Companies to register/certify new Suppliers when they seek to begin doing business in the Distribution Company's service area.

Modify TPA as necessary.

Review security standards as may be deemed necessary, such as Public Key Infrastructure (PKI).

Review existing body of model business practices for consistency and develop or modify model business practices as needed.

**Retail Electric Quadrant Effort Only:**

Retail Meter Data Validation, Editing & Estimating: Develop procedures for insuring the integrity and validity of retail customer metering data that is needed by utilities and suppliers for billing, etc. Issues related to unbundled or competitive metering are not to be considered.

Settlement Process: Reconcile energy schedules and energy delivered by suppliers within a given market. Note: will need to be coordinated with the WEQ for the REQ.

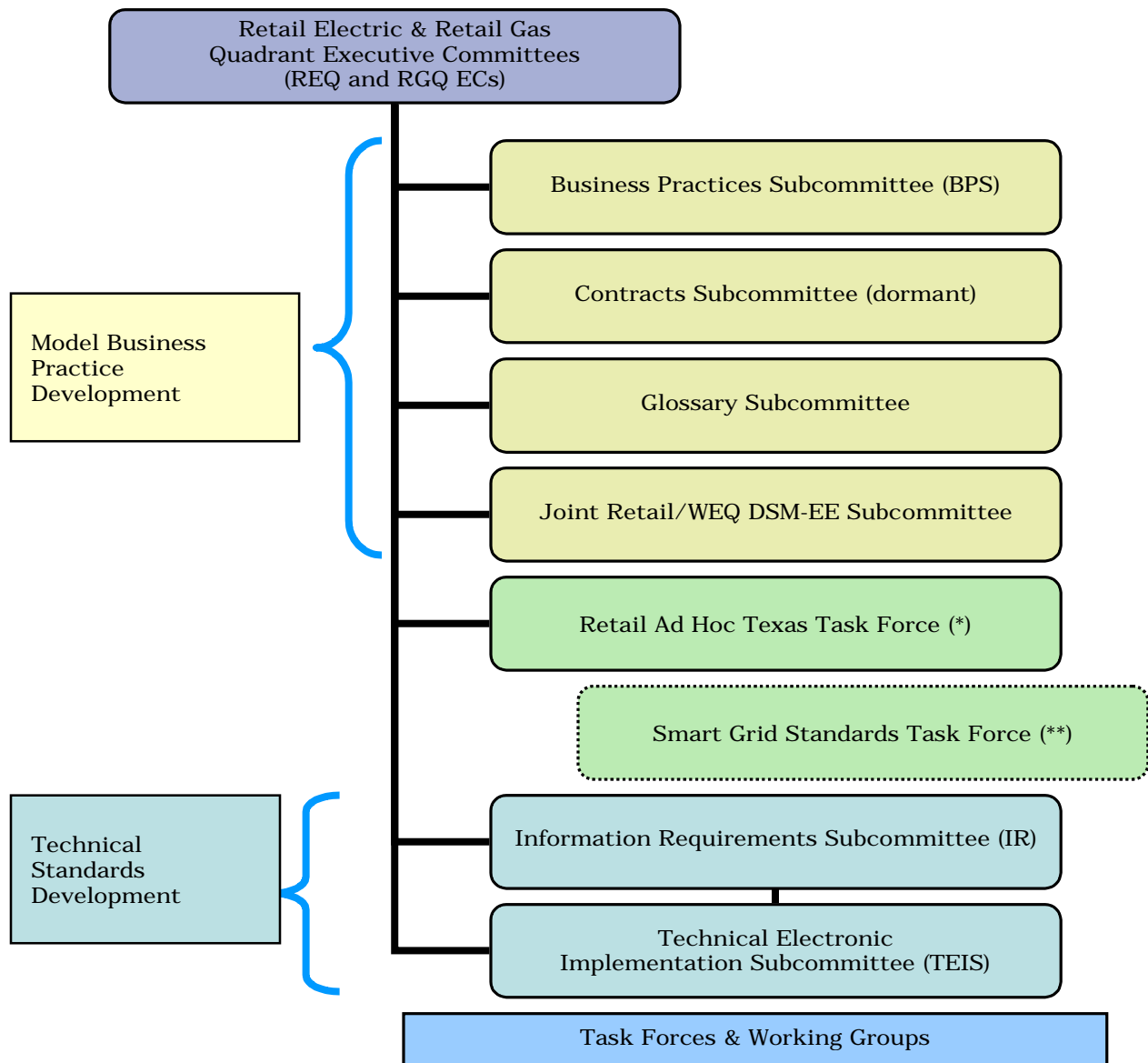
Develop business practice standards for cap and trade programs for green house gas (See action item 6h).

**Retail Gas Quadrant Effort Only:**

Examine Wholesale Gas Quadrant Non-EDM Standards for applicability to retail business practices.

Settlement Process: Reconcile energy schedules and energy delivered by suppliers within a given market.

RETAIL ELECTRIC & RETAIL GAS QUADRANT EXECUTIVE COMMITTEES AND SUBCOMMITTEES STRUCTURE



NAESB Retail Subcommittee Leadership: <sup>6</sup>

- Executive Committee: Mike Novak, Chair (RGQ), Ruth Kiselewich, Chair (REQ)
- Business Practices Subcommittee: Phil Precht (RGQ), Mary Edwards and Dan Jones (REQ)
- Information Requirements Subcommittee: Jennifer Teel (REQ)
- Technical Electronic Implementation Subcommittee: TBD
- Glossary Subcommittee: Don Sytsma (RGQ), Mary Edwards and Patrick Eynon (REQ)
- DSM-EE Subcommittee: Ruth Kiselewich, David Koogler (REQ), Roy True (WEQ), and Paul Wattles (WEQ)
- Retail Ad Hoc Texas Task Force: Debbie McKeever (REQ) and Susan Munson (REQ)

(\*) The Retail Ad Hoc Texas Task Force may draft MBPs, process flows, implementation guides and technical standards supportive of the Registration Agent. The group is chaired by Debbie McKeever and Susan Munson.

(\*\*) The Smart Grid Task Force is a joint group of the retail electric and wholesale electric quadrant with other standards development groups such as OASIS, CalConnect, FIX and UCAIug, and includes other groups. Direction may be given from NIST, DoE or FERC and the group reports to the NAESB Board Smart Grid Strategic Steering Committee. The group is chaired by Brent Hodges, Wayne Longcore, Joe Zhou and Robert Burke.

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<sup>1</sup> As outlined in the NAESB Bylaws, the REQ and RGQ will also address requests submitted by members and assigned to the REQ and RGQ through the Triage Process.

<sup>1</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

<sup>1</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

<sup>1</sup> The DSM-EE subcommittee is expected to be split into several separate subcommittees to support concurrent development of separate standards sets. The split is to take place at the end of May after which the assignments will be modified.

<sup>1</sup> This work is considered routine maintenance and thus the items are not separately numbered. The REQ and RGQ ECs will assign maintenance efforts on a request-by-request basis.

<sup>1</sup> The ECs and the subcommittees can create task forces and working groups to support their development activities for development of model business practices and technical standards.

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**As Approved by the NAESB Board of Directors on September 23, 2010 With Proposed Changes from the Retail ECs**

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3,4</sup>
1. Develop Technical Electronic Implementation Standards and Data Dictionaries – Book 10: Customer Enrollment, Drop and Account Information Change		
a. For the Distribution Company Registration Model Registration Agent Model Status: Not Started	2011	TEIS
2. Develop NAESB Certification checklist criteria for Retail Quadrants to be used in the NAESB Certification Program. The certification checklist may address test scripts, a checklist of items to be tested, data connectivity for test scripts and EDM testing.  Status: Not Started. Dependent upon publication of Version 2.0 at a minimum, but more dependent upon completion of Customer Choice efforts, expected 1 <sup>st</sup> Q 2011 at the earliest.	2011	Ad Hoc EC Certification Group
3. <b>Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs</b>  Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program. The wholesale and retail demand response work groups and the Smart Grid Standards Subcommittees should actively and timely communicate and coordinate work products to ensure consistency between the three work groups. Each work group should take into account the work products developed by the other.		
a. Develop glossary for business practice standards Status: Ongoing	Ongoing	Joint WEQ/REQ DSM Subcommittee
b. Develop business practice standards used to measure and verify reductions in energy and demand from energy efficiency in wholesale and retail markets. <sup>5</sup> This includes developing business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard. Status: Underway	1stQ, 2011	Joint WEQ/REQ DSM-EE Subcommittee
c. Support the second phase of retail development of model business practice standards for demand response programs Status: Complete	4th Q, 2010	REQ Section of the Joint WEQ/REQ DSM Subcommittee
d. Create common interfaces and data structures necessary for enrolling DR sites into a DR program (Request No. <a href="#">R10002</a> ) Status: Underway	4 <sup>th</sup> Q, 2010	REQ Section of the Joint WEQ/REQ DSM Subcommittee with coordination with Smart Grid Standards Task Force and REQ BPS
4. Billing and Payments		
a. Develop Process Flows to be included as models in Book 3 – Billing and Payments Status: Completed	2 <sup>nd</sup> Q, 2010	BPS

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Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3,4</sup>
b. If the development of Process Flows indicate a gap in the model business practices, then develop new model business practices to address the gap. Status: Completed	2 <sup>nd</sup> Q, 2010	BPS
5. Model Business Practices User Guide		
a. Add a new section to Book 0 to describe what Books have been developed, how the Books are laid out, and revised the title of the Book to reflect the additions Status: Completed	4 <sup>th</sup> Q, 2010	BPS
b. Develop process flows to support the user's guide Status: Not Started	2011	BPS
6. Additional Registration Agent Processes		
a. Review all existing Model Business Practices to determine if the Customer Information process is already covered, and if necessary develop any new Model Business Practices required Status: Completed	1 <sup>st</sup> Q, 2010	BPS
b. Review all existing Model Business Practices to determine if the disconnection and reconnection process is already covered, and if necessary develop any new Model Business Practices required. Status: Completed		
i. Create MBPs for disconnection/reconnection initiated by the supplier Status: Completed	4 <sup>th</sup> Q, 2009	BPS
ii. Create MBPs for disconnection/reconnection initiated by the distribution company Status: Completed	4 <sup>th</sup> Q, 2009	BPS
c. Review all existing Model Business Practices to determine if there are other Registration Agent Model processes not covered, and develop a prioritized list of those processes, if any. Status: Underway	2011	BPS
d. Develop Model Business Practices and Process Flows for those Registration Agent Model processes on the prioritized list developed in (c) above, if any. Status: Underway	2011	BPS
e. Develop Technical Electronic Implementation Standards and Data Dictionaries to support Model Business Practices of Book 14 – Service Requests, Disconnections and Reconnections in the registration Agent Model Status: Underway	2011	IR/TEIS
f. Develop Technical Electronic Implementation Standards and Data Dictionaries to support any Model Business Practices developed in (d) above Status: Underway	2011	IR/TEIS

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Appendix F: 2010 Retail Gas and Electric Quadrants Annual Plan  
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**NORTH AMERICAN ENERGY STANDARDS BOARD**  
**2010 ANNUAL PLAN for the RETAIL GAS and ELECTRIC QUADRANTS**  
**As Approved by the NAESB Board of Directors on September 23, 2010 With Proposed Changes from the Retail ECs**

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3,4</sup>
7. Supplier Certification  Develop practices to register/certify new Suppliers.  Status: Underway	2011	BPS
8. Supplier Marketing Practices  Develop Model Business Practices providing for a “Consumer Disclosure Statement” to be presented to residential and small commercial customers describing the Supplier’s service offering and related contract provisions. This statement would also identify how certain Supplier-Customer interactions are conducted.  Amongst the topics to be considered for inclusion on the statement would be the following: <ul style="list-style-type: none"> <li>• the most important terms of the Supplier agreement, such as the contract’s term and termination fee provisions;</li> <li>• training and identification of Supplier marketing representatives;</li> <li>• protocols for Supplier in-person and telephone contacts with customers;</li> <li>• added measures for protecting non-English speaking customers; and</li> <li>• Processes for handling customer complaints and resolving disputes arising from Supplier marketing activities.</li> </ul> Status: Underway	1 <sup>st</sup> Q, 2011	BPS
9. Develop Smart Grid Wholesale and Retail Electric Standards		
a. Develop Requirements and Use Cases for PAP 03 – Pricing Model		
i. Phase 1 Status: Completed	1 <sup>st</sup> Q, 2010	Joint WEQ/REQ SGS Subcommittee
ii. Phase 2 Status: Completed	4 <sup>th</sup> Q, 2010	Joint WEQ/REQ SGS Subcommittee
b. Develop Requirements and Use Cases for PAP 04 – Scheduling Model		
i. Phase 1 Status: Completed	1 <sup>st</sup> Q, 2010	Joint WEQ/REQ SGS Subcommittee
ii. Phase 2 Status: Completed	4 <sup>th</sup> Q, 2010	Joint WEQ/REQ SGS Subcommittee
c. Develop Requirements and Use Cases for PAP 09 – Demand Response/Distributed Energy Resources		
i. Phase 1 Status: Completed	1 <sup>st</sup> Q, 2010	REQ Section of the Joint WEQ/REQ SGS Subcommittee
ii. Phase 2 Status: Completed	4 <sup>th</sup> Q, 2010	REQ Section of the Joint WEQ/REQ SGS Subcommittee



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Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3,4</sup>
d. Develop standards to support PAP 10 – Standards Energy Usage Information		
i. Act as a convener (develop and implement a plan to expedite harmonized standards development and adoption within the associated standards bodies) and develop business practice standards as needed and assigned to NAESB for PAP 10 – Standard Energy Usage Information Status: Completed	2 <sup>nd</sup> Q, 2010	Joint WEQ/REQ PAP 10 SGS Subcommittee
ii. Develop Information Model and related business practices Status: Complete	4 <sup>th</sup> Q, 2010	Joint WEQ/REQ PAP 10 SGS Subcommittee
e. Develop standards to support inclusion of OpenADE requirements document into the NAESB Smart Grid standards ( <a href="#">R10008</a> ), specifically to standardize the exchange of Energy Usage Information. Status: Underway	1st Q, 2011	REQ PAP 10 SGS Subcommittee Energy Services Provider Interface Task Force
10. Reserved (Items added under action item 6)		
11. Master List of Defined Terms: Review the definitions of all Defined Terms in Book 0 – Master List of Defined Terms, including other Ratified Terms not yet published, and revise the definitions of all Defined Terms not specifically related solely to the competitive marketplace to broaden their applicability to conform to NAESB’s expanded scope. Status: Completed	3 <sup>rd</sup> Q, 2010	Glossary

**Program of Standards Maintenance & Fully Staffed Standards Work<sup>6</sup>**

Business Practice Requests	Ongoing	Assigned by the EC
Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC
Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC
Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC
Ongoing Development and Maintenance of Definitions	Ongoing	Glossary

**Provisional Activities**

**Joint Effort:**

Modify TPA as necessary.

Review security standards as may be deemed necessary, such as Public Key Infrastructure (PKI).

Review existing body of model business practices for consistency and develop or modify model business practices as needed.

Review and update the technical implementation of Book 3 – Billing and Payment

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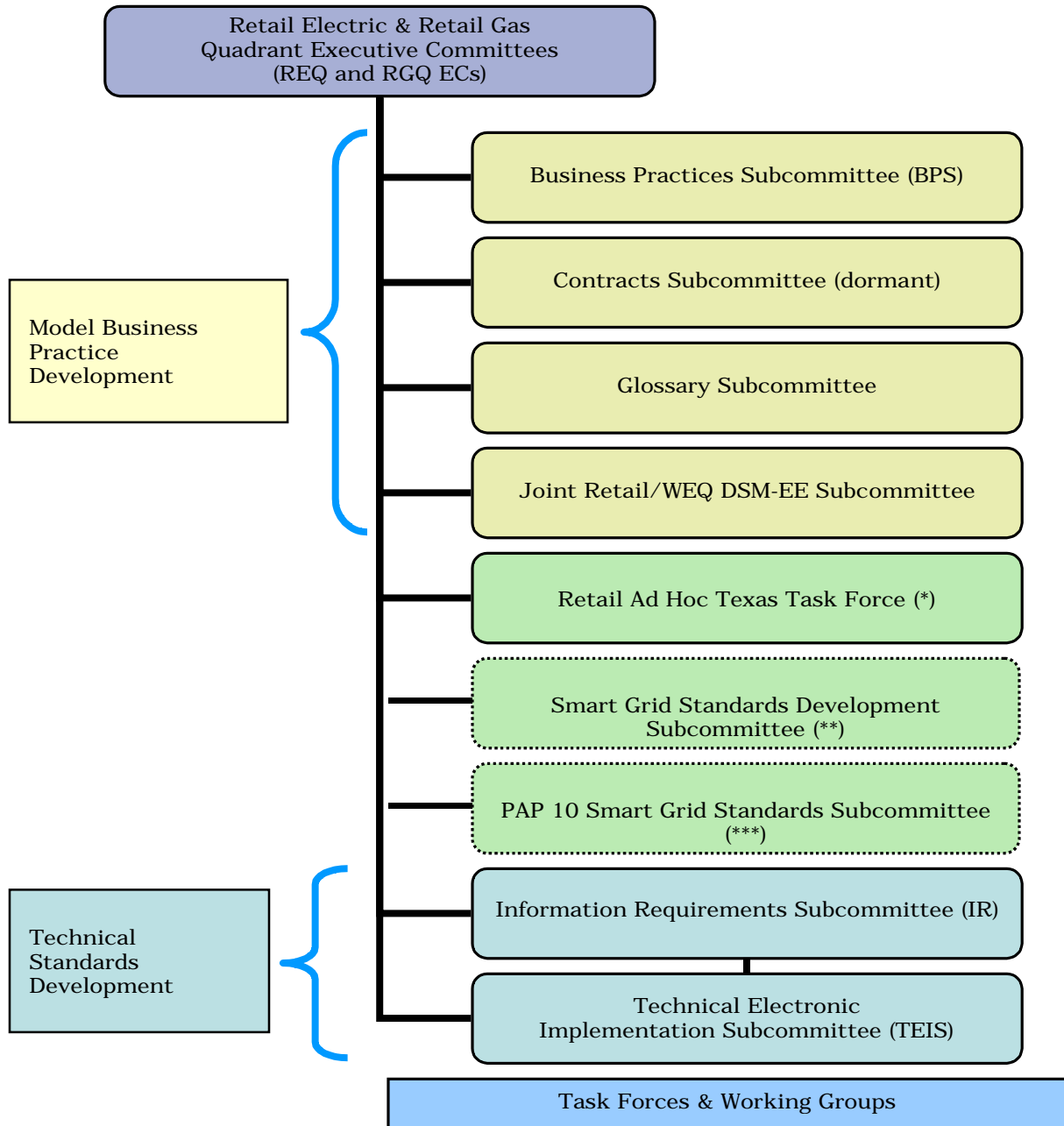
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**NORTH AMERICAN ENERGY STANDARDS BOARD**  
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Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3,4</sup>
<b>Retail Electric Quadrant Effort Only:</b>		
Retail Meter Data Validation, Editing & Estimating: Develop procedures for insuring the integrity and validity of retail customer metering data that is needed by utilities and suppliers for billing, etc. Issues related to unbundled or competitive metering are not to be considered.		
Settlement Process: Reconcile energy schedules and energy delivered by suppliers within a given market. Note: will need to be coordinated with the WEQ for the REQ.		
Develop business practice standards for cap and trade programs for green house gas (See action item 6h).		
<b>Retail Gas Quadrant Effort Only:</b>		
Examine Wholesale Gas Quadrant Non-EDM Standards for applicability to retail business practices.		
Settlement Process: Reconcile energy schedules and energy delivered by suppliers within a given market.		

RETAIL ELECTRIC & RETAIL GAS QUADRANT EXECUTIVE COMMITTEES AND SUBCOMMITTEES STRUCTURE



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Appendix F: 2010 Retail Gas and Electric Quadrants Annual Plan  
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NAESB Retail Subcommittee Leadership: <sup>7</sup>

Executive Committee: Mike Novak, Chair (RGQ), Phil Precht, Chair (REQ)

Business Practices Subcommittee: Phil Precht (RGQ), Dan Jones (REQ)

Information Requirements Subcommittee: Jennifer Teel (REQ)

Technical Electronic Implementation Subcommittee: TBD

Glossary Subcommittee: Patrick Eynon (REQ)

DSM-EE Subcommittee: Ruth Kiselewich, David Koogler (REQ), Roy True (WEQ), and Paul Wattles (WEQ)

Retail Ad Hoc Texas Task Force: Debbie McKeever (REQ) and Susan Munson (REQ)

(\*) The Retail Ad Hoc Texas Task Force may draft MBPs, process flows, implementation guides and technical standards supportive of the Registration Agent. The group is chaired by Debbie McKeever and Susan Munson.

(\*\*) The Smart Grid Standards Subcommittee is a joint group of the retail electric and wholesale electric quadrants with other standards development groups such as OASIS, CalConnect, FIX and UCAIug, and includes other groups. Direction may be given from NIST, DoE or FERC and the group reports jointly to the NAESB Board Smart Grid Strategic Steering Committee and the REQ EC. The group is chaired by Brent Hodges, Wayne Longcore, Joe Zhou and Robert Burke.

(\*\*\*) The PAP 10 Smart Grid Standards Subcommittee is a joint group of the retail electric and wholesale electric quadrants with other standards development groups such as OASIS, UCAIug, OpenADE, ZigBee, ASHRAE, EIS Alliance, NARUC and includes other groups. Direction may be given from NIST, DoE or FERC and the group reports jointly to the NAESB Board Smart Grid Strategic Steering Committee and the REQ EC. The group is chaired by Brent Hodges, Phil Precht, Cathy Wesley/Heather Sanders, Sharon Dinges, David Kaufman, Brad Ramsay, Tobin Richardson and Ed Koch.

The PAP 10 Smart Grid Standards Subcommittee has created a Energy Services Providers Interface Task Force led by Dave Mollerstuen of Tendril, Steve Van Ausdall of Xtensible and Chad Maglaque of Xtreme Consulting Group to address the OpenADE request R10008.

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Addendum NAESB Retail Electric Quadrant DSM-EE StandardsAppendix G: NAESB Process to Develop and Adopt Standards  
April 30, 2011**The NAESB Standards Development Process**

NAESB is focused on proposing, considering, and adopting voluntary standards and model business practices that will have a significant and lasting impact on all aspects of the natural gas and electricity marketplaces. As a result of the standards NAESB adopts, it is expected that the industry will operate more efficiently and effectively, benefiting both the industry and its customers. At the same time, it must be acknowledged that NAESB standards may constitute a change in the way parties do business, with an accompanying effect on the use and allocation of resources.

NAESB's policy is to move at a deliberate pace, consistent with its annual plan(s), thus permitting those affected by its standards, especially those standards adopted as regulations by the Federal Energy Regulatory Commission (FERC) or other regulatory bodies, to assimilate them as part of their business practices. To this end, NAESB will carefully consider whether proposed standards are both timely and necessary. In particular, it will try to avoid adopting and implementing new standards, however beneficial, before the industry is able to reasonably make use of them.

The standards development process is governed by the annual plan, and items can be included in the plan or modified only with Board approval. The plan typically reflects requests from NAESB members, government agencies, and other interested parties. In approving the annual plan, the Board considers the availability of resources, including the NAESB budget and staff and the availability of industry volunteers. New requests received throughout the year are either considered part of the existing annual plan or as new items that require Board approval.

The standards development process begins with an annual plan item or a triaged and approved request. Triage is a process used by each quadrant of the Executive Committee (EC) to determine whether a request is within scope, which quadrant(s) it applies to, which subcommittee(s) it should be referred to, and what priority it should be assigned. Triage is carried out by EC members appointed by the EC chair. Triage recommendations are submitted to the en banc EC and require EC approval, and may also require Board approval if there are scope questions or if a modification of the annual plan is required.

Once the triage process is completed, the subcommittees—more than one are normally involved in standards recommendations—review the request, compare it to existing standards, and prepare recommendations that may take the form of new or modified standards or interpretations. Participation in EC subcommittees is open to any interested party regardless of membership status. All subcommittee participants may vote; voting is balanced by segment and quadrant. All votes are public.

When the recommendation is complete, it is made available for a thirty-day industry comment period. The recommendation and comments are then forwarded to the EC, which considers the recommendation, makes any changes it deems necessary, and takes a vote. A recommendation must receive an affirmative vote of at least 67 percent from each applicable quadrant EC and 40 percent from each of the segments of the applicable quadrant(s).

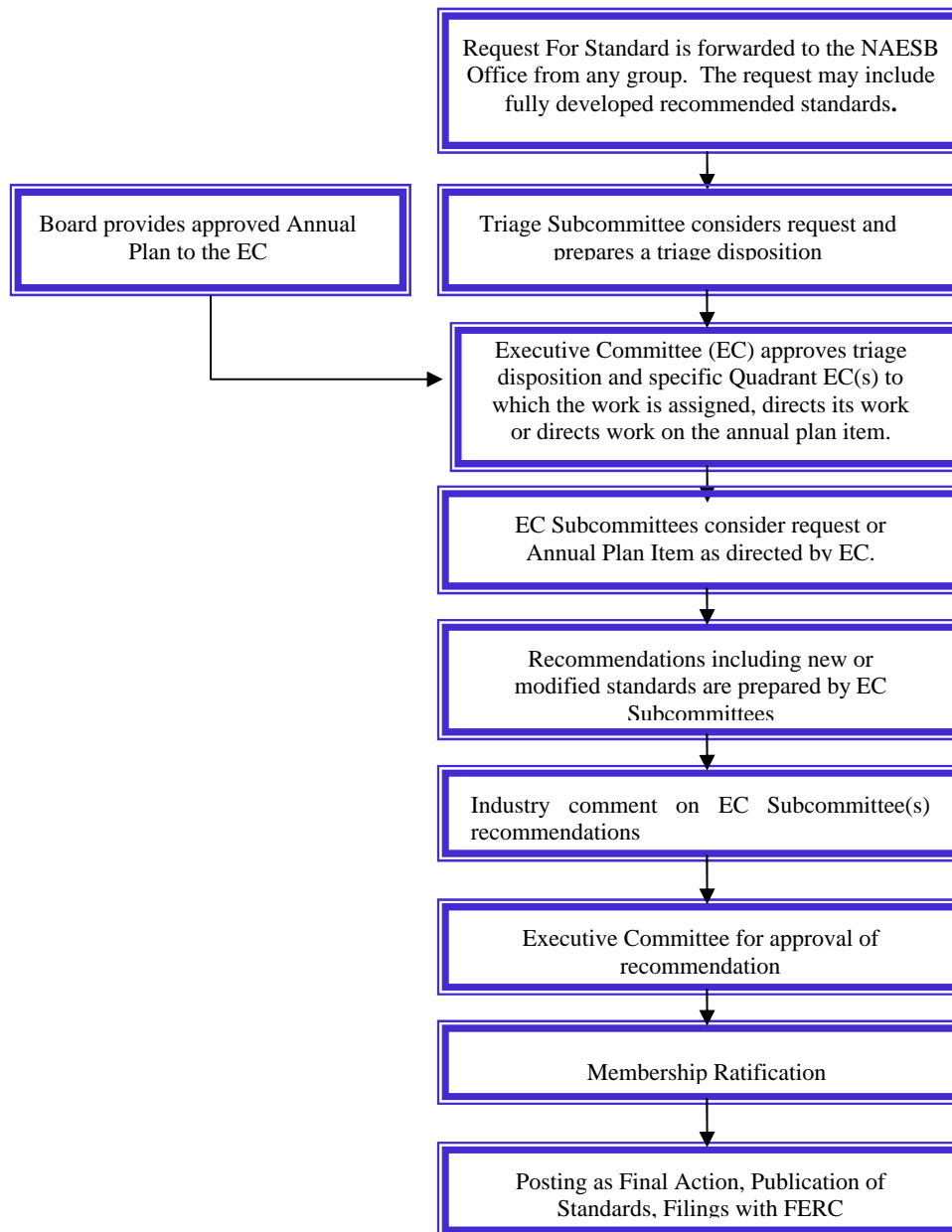
After passage by the EC, the recommendation must be ratified by the NAESB members. An affirmative vote of 67 percent of the members of the applicable quadrant(s) is required for ratification. After ratification, standards and modifications are considered final actions and will be published in the next version of NAESB standards.

All NAESB quadrants follow the same development process described herein. The process has been followed by the WGQ since 1994 and has been used to develop more than five hundred standards that have been incorporated by reference into federal regulations.

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Appendix G: NAESB Process to Develop and Adopt Standards  
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North American Energy Standards Board  
 Standards Development Process Flow Chart



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### Flexibility

NAESB recognizes that flexibility is necessary as standards are developed to address regional concerns or to incorporate variances to accommodate operational or structural differences. Several WEQ standards incorporate regional or operational differences for both Version 0 and Version 1. There is a high threshold for incorporating such variances in a standard; the subcommittee(s) in drafting the standard, the EC in approving the subcommittee recommendation, and the membership in approving the standard must all agree that such variance is necessary. Nonetheless, NAESB procedures are well suited to take into account operational and regional differences.

### Transparency

All NAESB meetings are open for attendance and participation by any interested party, with the exception of executive sessions of the Board or Managing Committee for purposes of discussing personnel, compensation or legal issues. Meeting announcements and agendas are posted in advance to permit the widest possible participation. Conference-calling capability is available for all meetings and web casting is available for most. Those intending to attend a meeting in person or by telephone are asked to notify NAESB by a specific date to permit adequate meeting planning.

Transcripts are made of all Board of Directors and EC meetings, and may also be made of other meetings that are expected to be controversial. Transcripts are maintained in the NAESB office and are provided to regulatory agencies for their internal use. All other interested parties can purchase transcripts from the relevant transcription service.

### Coordination with NERC

For business practice standards development for the WEQ, if it is determined by NERC and NAESB Executive Management that joint development is needed by NERC and NAESB, the NERC-NAESB Coordination Joint Development Process is implemented.<sup>1</sup> This process requires that the appropriate NAESB Subcommittee and NERC Standards drafting team work together to develop reliability standards and business practices.

The Joint Interface Committee of NAESB, NERC and the ISO-RTO Council (“JIC”) was dissolved as part of the agreement to create the Independent Grid Operator segment of the WEQ. The joint development process between NAESB and NERC is being used to ensure appropriate coordination. The ISOs and RTOs have strong decision-making roles in both NERC and NAESB, and thus with the use of the joint development process, the JIC was no longer necessary.

### Accessibility of Standards and Work Products

The NAESB standards and protected work products are accessible to members at no cost as a benefit of their membership. Non-members can purchase the standards as a full version, or they can purchase individual final actions. Non-members can also access the standards at no cost by requesting an evaluation copy. NAESB standards and protected work products are copyrighted. Non-members can download a NAESB materials order form from the NAESB web site for ordering standards or for instructions on accessing standards for evaluation.

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<sup>1</sup> The NERC-NAESB Coordination Joint Development Process was submitted to the Commission on February 17, 2006 in Attachment C of the Progress Report on NAESB Activities impacting Docket No. RM05-5-000, “Standards for Business Practices and Communication Protocols for Public Utilities”: [http://www.naesb.org/doc\\_view2.asp?doc=ferc021706.pdf](http://www.naesb.org/doc_view2.asp?doc=ferc021706.pdf).

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**Retail 2009 Annual Plan End Notes:**

<sup>1</sup> As outlined in the NAESB Bylaws, the REQ and RGQ will also address requests submitted by members and assigned to the REQ and RGQ through the Triage Process.

<sup>2</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

<sup>3</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

<sup>4</sup> The DSM-EE subcommittee is expected to be split into several separate subcommittees to support concurrent development of separate standards sets. The split is to take place at the end of May after which the assignments will be modified.

<sup>5</sup> This work is considered routine maintenance and thus the items are not separately numbered. The REQ and RGQ ECs will assign maintenance efforts on a request-by-request basis.

<sup>6</sup> The ECs and the subcommittees can create task forces and working groups to support their development activities for development of model business practices and technical standards.

**Retail 2010 Annual Plan End Notes:**

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<sup>5</sup> Energy efficiency may be a wholesale product, such as capacity. Energy efficiency in retail markets may be from individual energy efficiency measures at the project level or a portfolio of projects that make up an energy efficiency program.

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