

**FINAL**

Pursuant to notice duly given, a meeting of the NEPOOL Participants Committee was held via teleconference on Thursday, August 3, 2023, at 10:00 a.m. A quorum determined in accordance with the Second Restated NEPOOL Agreement was present and acting throughout the meeting. Attachment 1 identifies the members, alternates, and temporary alternates who participated in the meeting.

Mr. David Cavanaugh, Chair, presided, and Mr. Sebastian Lombardi, Secretary, recorded. Mr. Cavanaugh welcomed the members, alternates and guests who were in attendance.

**APPROVAL OF MAY 4, 2023 MEETING MINUTES**

Mr. Cavanaugh referred the Committee to the preliminary minutes of the May 4, 2023 meeting, as circulated and posted in advance of the meeting. Following motion duly made and seconded, the preliminary minutes of that meeting were unanimously approved as circulated, with an abstention by Mr. Jon Lamson recorded.

**CONSENT AGENDA**

Mr. Cavanaugh then referred the Committee to the Consent Agenda that was circulated and posted in advance of the meeting. Mr. Cavanaugh noted the achievement represented by the Consent Agenda's inclusion of a substantial market design reform proposal (the Day-Ahead Ancillary Services Initiative (DASI)). On behalf of the Participants, he thanked the ISO, in particular, for its resource commitment, engagement and responsiveness to stakeholder input and feedback received during the process. Following motion duly made and seconded, the Consent Agenda was approved unanimously, with abstentions recorded for Calpine, the Granite Shore companies, Ictec, Maple Energy, Jericho Power, and Mr. Lamson.

Explaining further their abstentions, the Calpine, Granite Shore companies and Jericho Power representatives attributed their votes to Consent Agenda Item 1 (DASI Proposal). The Calpine representative explained that, although Calpine supported the Day-Ahead procurement of Ancillary Services and the co-optimization with Energy in the Day-Ahead Market, it was nevertheless concerned with certain other aspects of the DASI design, including as they viewed it, the Proposal's effective transformation of what is or should be a physical, reliability-mandated product instead into a financial (options format) product. For its part, noting Jericho Power's appreciation for several aspects of the DASI Proposal, the Jericho Power representative described concerns with the Proposal's mitigation scheme, which it worried, particularly in light of the coincident implementation of the elimination of the Forward Reserve Market, would impact revenue streams and potentially precipitate the retirement of flexible resources essential to the energy transition. A Generation Sector member noted for the record and referred to the many different views and perspectives regarding the DASI Proposal, beyond those expressed by those abstaining at this meeting, that were offered during Technical Committee consideration of this matter, as captured in the records of those meetings.

The representative for Ictec and Maple Energy attributed their abstentions to Consent Agenda Item 2 (*Order 2222* 180-Day Compliance Filing Proposal), based on a continuing belief that the region's overall *Order 2222* strategy (and related reforms) didn't go far enough to allow Distributed Energy Resource Aggregations to participate in the Markets, though not attributable to any particular concern with the specific Proposal encompassed by the Consent Agenda item.

## **ISO CEO REPORT**

Mr. Gordon van Welie, ISO Chief Executive Officer (CEO), added his thanks for the support of the DASI Proposal, and that he looked forward to its implementation. He also

referred the Committee to the summaries of the ISO Board and Board Committee meetings that had occurred since his last report circulated for the Participants Committee June 27-29 Summer Meeting, which had been circulated and posted with the materials for the meeting. There were no questions on the summaries.

## **ISO COO REPORT**

### ***Operations Highlights***

Dr. Vamsi Chadalavada, ISO Chief Operating Officer (COO), began by referring the Committee to his August operations report (Report), which had been circulated and posted in advance of the meeting. Dr. Chadalavada noted that the data in the Report was through July 26, 2023, unless otherwise noted. The Report highlighted: (i) Energy Market value for July 2023 was \$425 million, up \$110 million from the updated June 2023 value and down \$835 million from July 2022; (ii) July 2023 average natural gas prices were 62% lower than July 2022 average prices; (iii) average Real-Time Hub Locational Marginal Prices (LMPs) for June (\$39.45/MWh) were 12% higher than June averages; (iv) average July 2023 natural gas prices and Real-Time Hub LMPs over the period were down 62% and 56%, respectively, from July 2022 average prices; (v) average Day-Ahead cleared physical energy during the peak hours as percent of forecasted load was 100.6% during July (up from 98% reported for June), with the minimum value for the month of 94.6% on Friday, July 21; (vi) Daily Net Commitment Period Compensation (NCPC) payments for July totaled \$2.4 million, which was up \$0.6 million from June 2023 and down \$6.7 million from July 2022. July NCPC payments, which were 0.5% of total Energy Market value, were comprised of (a) \$2 million in first contingency payments (up \$0.3 million from June); (b) and there were no Second Contingency or voltage payments in

June; and (c) not listed on the Report, \$400,000 in distribution payments made to the diesel-fired units committed by the distribution company on Martha's Vineyard.

Regarding system planning highlights, he reported that a draft of the 2023-2024 Regional System Plan (RSP) would be shared later in August. He said that the ISO would continue to explore improvements to the long-term forecast methodology to support the evolving grid, and noted that 26 companies had to that point achieved Qualified Transmission Project Sponsor (QTPS) status. He also reported that the second phase of the longer-term transmission planning effort to have the ISO regularly perform extended long-term planning would begin at the Transmission Committee in October.

***July 5, 2023 Capacity Scarcity Condition (July 5 Event)***

Addressing the July 5 Event, Dr. Chadalavada explained that the ISO implemented Operating Procedure No. 4 (Action During a Capacity Deficiency) (OP-4) due to higher-than-forecasted temperatures, higher-than-expected demand (approximately 300 MW) during the peak hour, and fewer available imports during the peak hour (during the peak hour, Phase II tripped, unable to deliver an expected 1,300 MW). There were violations for both 30-Minute and 10-Minute Operating Reserves for the intervals identified in the Report. He noted that system operators took the necessary and prescribed actions to curtail Real-Time Only export transactions and highlighted the temporal lag between the receipt of information by operators and the incorporation of that information into the dispatch software.

Comparing the July 5 Event to a similar event on December 24, 2022 (discussed in more detail at prior meetings), he noted that communications with Hydro-Québec (HQ) during the July 5 Event were significantly improved. Ultimately, the ISO had roughly one hour's notice that Real-Time imports were likely to fall short of Day-Ahead-scheduled levels. He explained that,

with the shortfall expected to be relatively fleeting and moderate, ISO intervention, beyond applicable operating protocols, was not warranted; instead, the ISO relied primarily on existing market mechanisms.

In response to further questions, Dr. Chadalavada provided additional insight and detail into the Control Room actions taken, particularly the steps taken to recover from Area Control Error (ACE) as required under NERC reliability standards. Those steps included mutual assistance (Energy) from neighboring Control Areas (New York, PJM, New Brunswick, and Ontario), under protocols that had been in place for several decades. The distribution of that assistance amongst the other four Control Areas varied and was based on the system conditions in those Areas at the time required. In light of the July 5 Event experience, there had been preliminary discussions within the ISO about whether, and if so how best, to capture that inadvertent energy in the Pay-for-Performance (PFP) rules, but no final determinations had been made, and the ISO planned to report back with any proposed stakeholder process to effectuate that inclusion within the following few months.

Dr. Chadalavada addressed a question whether the trip on the Phase II line and the reduction of imports from HQ had caused or contributed to a capacity deficiency. A discussion regarding HQ's Day-Ahead commitment and scheduled net interchange, as well as Phase II reductions and trips in general, followed. As to whether the 90-minute and/or 4-hour reserve products, previously proposed as part of the Energy Security Improvements (ESI) project, but ultimately not implemented, would have prevented or mitigated the July 5 Event, Dr. Chadalavada opined that those ESI products would have been helpful, but given the specific circumstances, unlikely to have prevented on their own the July 5 Event.

Dr. Chadalavada acknowledged the delay in publication of LMP and preliminary settlement information related to the July 5 Event, which was largely due to the need to confirm that the inadvertent energy component was captured accurately and in conformance with the Tariff. With that confirmation work completed this time around, he did not expect similar delays following future events, and thanked Participants for their patience following the July 5 Event.

Responding to additional questions, Dr. Chadalavada reported on a three-day outage, from August 6-9, expected for West Medway station, which could result in relatively modest second contingency protection costs. He also confirmed that the July 28 peak load fell just short of the July 6 peak, which remained the peak for Summer 2023 (subject to August developments).

Dr. Chadalavada concluded his Report by providing answers to certain questions received ahead of the meeting with respect to the Mystic 8/9 Cost of Service Agreement (Mystic COSA). He confirmed that the Mystic COSA would be in effect only through May 31, 2024, with no renewal anticipated following its expiration. He explained how Mystic 8/9 was obligated to offer into the Day-Ahead Market and could be called on to perform during the Operating Day if the economics dictated. He confirmed that Mystic 8/9 would generally not be called on out-of-market, absent extreme (weather) circumstances where Mystic 8/9 might otherwise be required for the protection of the New England System.

### ***ORDER 881 60-DAY FURTHER COMPLIANCE REVISIONS***

Ms. Emily Laine, Transmission Committee Chair, referred the Committee to the materials circulated in advance of the meeting that revised Attachment Q to the Open Access Transmission Tariff (OATT, Section II of the Tariff) in response to the FERC's June 15, 2023 order conditionally accepting the region's *Order 881* compliance changes (related broadly to the incorporation of ambient air adjusted transmission line ratings) (the Further *Order 881*

Compliance Changes). She reported that the Further *Order 881* Compliance Changes were presented without objection or concern at the July 18-19 joint Summer Meeting of the Reliability (RC) and Transmission Committees (TC), but were not voted because one aspect of the Compliance Changes (related to how the ISO would maintain local transmission line ratings and exceptions in its database of Transmission Line Ratings and Transmission Line Rating methodologies) had not at that point been finalized. Following that meeting, and in consultation with the Transmission Owners, the ISO had finalized the Further *Order 881* Compliance Changes (with the post-RC/TC Summer Meeting changes highlighted in the circulated materials) so that they could be voted by the Participants Committee before the August 14 FERC compliance filing deadline. The Transmission Owners thanked the ISO for the additional time and effort to finalize the Changes.

Without discussion, the Committee approved unanimously the following motion, with an abstention recorded for Mr. Lamson:

RESOLVED, that the Participants Committee supports the Further *Order 881* Compliance Changes, as proposed by the ISO in response to the FERC's June 15, 2023 order in Docket No. ER22-2357, and as circulated to this Committee in advance of this meeting, together with such non-substantive changes as may be agreed to after the meeting by the Chair and Vice-Chair of the Transmission Committee.

## **LITIGATION REPORT**

Mr. Lombardi referred the Committee to the August 2, 2023 Litigation Report that had been circulated and posted before the meeting. He highlighted the following developments:

(i) *FCA17 Results Filing (ER23-1435)*. The FERC had accepted on July 18 the FCA17 Results filing, effective July 19, 2023;

(ii) *June 20, 2023 Second New England Winter Gas-Electric Forum (AD22-9)*. The FERC had invited post-forum comments to be filed on or before August 24, 2023 on the topics discussed in the notices for or at the June 20 Forum;

(iii) *ISO-NE Market Power Mitigation Rules (EL23-62)*. The FERC had accepted the ISO's request that the proceeding be held in abeyance to allow for a fulsome stakeholder process, with no FERC action to be taken until after February 1, 2024;

(iv) *SATOA Revisions (ER23-739; ER23-743) and IEP Parameter Updates (ER23-1588)*. Both proceedings remained pending before FERC following ISO responses to deficiency letters issued in both proceedings. With respect to the IEP Parameter Updates, action by August 4 had been requested and would be noticed by e-mail and posting on the NEPOOL website following FERC action;

(v) *Brookfield Complaint Regarding IEP Exclusion of Pumped Storage ESFs (EL23-89)*. The day before this meeting, Brookfield had, in a complaint filed pursuant to Section 206 of the Federal Power Act, requested a FERC order directing the ISO to revise the Tariff to allow Pumped Storage Electric Storage Facilities (ESFs) to participate in the IEP. Comments on the Brookfield Complaint were due on or before August 22, 2023; and

(vi) *Order 2023: Interconnection Reforms (RM22-14)*. FERC had issued its final rule on proposed interconnection reforms, with compliance filings due 90 days following *Order 2023's* publication in the *Federal Register*. NEPOOL counsel was preparing and would present a summary of *Order 2023* at the August Transmission Committee meeting.

Ms. Maria Gulluni, ISO General Counsel, in response to questions received ahead of the meeting, addressed the prospects for an ISO request for additional time beyond the 90-day deadline to submit its compliance filing. Noting the FERC's discussion of the pressing need for



reform and its decision to direct a quicker 90-day deadline (versus the 180-day compliance timeframe that was proposed during the NOPR stage), she thought it unlikely that any of the ISO/RTOs, individually or collectively, would ask for an extension of time to comply. However, while ISO New England was not then planning to ask for any such extension on its own, the ISO would consider joining other ISO/RTOs in a request for an extension of time.

## COMMITTEE REPORTS

***Markets Committee (MC).*** Mr. Bill Fowler, MC Chair, reminded the Committee of the MC's three-day Summer Meeting, August 8-10, 2023, in Stowe, VT. He reported that the first day would be focused on Resource Capacity Accreditation (RCA) and eliciting Participant preferences for proceeding with FCA19 (e.g., including RCA, a prompt or seasonal market, or some other combination). The third day of the meeting would address amendments to the Net Cost of New Capital (Net CONE), in light of the removal of the Minimum Offer Price Rule (MOPR).

***Reliability Committee.*** Mr. Robert Stein, the RC Vice-Chair, reported that the RC would next meet on August 15, 2023, and would be looking at the 2032 Extreme Weather Winter Results.

***Transmission Committee.*** Mr. David Burnham, TC Vice-Chair, reported that the TC would next meet on August 22, 2023 by teleconference only. The primary agenda item would be review of NEPOOL counsel's summary of *Order 2023*. A formal ISO presentation on *Order 2023* was not expected until September, and would be followed by concentrated efforts to meet the FERC's compliance deadline.

***Budget & Finance Subcommittee (B&F).*** Mr. Tom Kaslow, B&F Chair, reported that B&F was scheduled to hold two meetings in August. The first, on August 11, 2023, to address

primarily the 2024 NESCOE and ISO budgets. The second meeting, on August 24, 2023, to address any changes to the Financial Assurance Policy in response to *Order 895* (FERC's final rule on credit-related information sharing among organized markets).

*Membership Subcommittee.* Ms. Sarah Bresolin, Membership Subcommittee Chair, reported that the next Membership Subcommittee meeting was scheduled for August 14, 2023.

#### **ADMINISTRATIVE MATTERS**

Mr. Lombardi informed members that the next Participants Committee meeting was scheduled for September 7, 2023 and would most likely be held by teleconference. Looking further ahead, the October, November, and December meetings would be held in person, with venues and details to be provided in subsequent notices.

Ms. Heather Hunt, NESCOE Executive Director, highlighted upcoming transmission-related matters – discussions addressing asset condition projects to be held both at the Technical Committees and at the Planning Advisory Committee, as well as the start of the second phase of the longer-term transmission planning effort that Dr. Chadalavada had mentioned earlier in the meeting would begin in October at the Transmission Committee.

There being no other business, the meeting adjourned at 11:20 a.m.

Respectfully submitted,

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Sebastian Lombardi, Secretary

**PARTICIPANTS COMMITTEE MEMBERS AND ALTERNATES  
PARTICIPATING IN AUGUST 3, 2023 TELECONFERENCE MEETING**

PARTICIPANT NAME	SECTOR/ GROUP	MEMBER NAME	ALTERNATE NAME	PROXY
Advanced Energy United (AEU)	Associate Non-Voting		Alex Lawton	
AR Large RG Group Member	AR-RG	Anton Kaeslin		
Ashburnham Municipal Light Plant	Publicly Owned Entity			Dan Murphy
Associated Industries of Massachusetts (AIM)	End User			Mary Smith
AVANGRID: CMP/UI	Transmission	Alan Trotta		Zach Teti
Bath Iron Works Corporation	End User			Bill Short
Belmont Municipal Light Department	Publicly Owned Entity		Dave Cavanaugh	
Block Island Utility District	Publicly Owned Entity	Dave Cavanaugh		
Boylston Municipal Light Department	Publicly Owned Entity			Dan Murphy
BP Energy Company	Supplier			José Rotger
Braintree Electric Light Department	Publicly Owned Entity		Dave Cavanaugh	
Castleton Commodities Merchant Trading	Supplier			Bob Stein
Chester Municipal Light Department	Publicly Owned Entity		Dave Cavanaugh	
Chicopee Municipal Lighting Plant	Publicly Owned Entity			Dan Murphy
Clearway Power Marketing LLC	Supplier			Pete Fuller
Concord Municipal Light Plant	Publicly Owned Entity		Dave Cavanaugh	
Connecticut Municipal Electric Energy Coop.	Publicly Owned Entity	Brian Forshaw		
Connecticut Office of Consumer Counsel	End User		J.R. Viglione	
Conservation Law Foundation (CLF)	End User	Phelps Turner		
Constellation Energy Generation	Supplier	Gretchen Fuhr	Bill Fowler	
CPV Towantic, LLC	Generation	Joel Gordon		
Cross-Sound Cable Company (CSC)	Supplier		José Rotger	
Danske Commodities US LLC	Supplier			Norman Mah
Danvers Electric Division	Publicly Owned Entity		Dave Cavanaugh	
DC Energy, LLC	Supplier	Bruce Bleiweis		
DTE Energy Trading, Inc.	Supplier			José Rotger
Durgin and Crowell Lumber Co., Inc.	End User			Bill Short
Dynegy Marketing and Trade, Inc.	Supplier			Bill Fowler
ECP Companies Calpine Energy Services, LP New Leaf Energy	Generation	Brett Kruse Liz Delaney		John Flumerfelt, Bill Fowler
EDF Trading North America, LLC	Supplier	Eric Osborn		
Elektrisola, Inc.	End User			Bill Short
Emera Energy Services Companies	Supplier			Bill Fowler
Engie Energy Marketing NA, Inc.	AR-RG	Sarah Bresolin		
Eversource Energy	Transmission	James Daly	Dave Burnham	Vandan Divatia
FirstLight Power Management, LLC	Generation	Tom Kaslow		
Galt Power, Inc.	Supplier	José Rotger	Jeff Iafrati	
Garland Manufacturing Company	End User			Bill Short
Generation Bridge Companies	Generation	Bill Fowler		
Generation Group Member	Generation		Abby Krich	
Georgetown Municipal Light Department	Publicly Owned Entity		Dave Cavanaugh	
Granite Shore Companies	Generation			Bob Stein
Groton Electric Light Department	Publicly Owned Entity			Dan Murphy
Groveland Electric Light Department	Publicly Owned Entity		Dave Cavanaugh	
H.Q. Energy Services (U.S.) Inc. (HQUS)	AR-RG	Louis Guilbault	Bob Stein	
Hammond Lumber Company	End User			Bill Short

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PARTICIPANT NAME	SECTOR/ GROUP	MEMBER NAME	ALTERNATE NAME	PROXY
Hanover, NH (Town of)	End User			Bill Short
Harvard Dedicated Energy Limited	End User			Jason Frost
High Liner Foods (USA) Incorporated	End User		William P. Short III	
Hingham Municipal Lighting Plant	Publicly Owned Entity		Dave Cavanaugh	
Holden Municipal Light Department	Publicly Owned Entity			Dan Murphy
Holyoke Gas & Electric Department	Publicly Owned Entity			Dan Murphy
Hull Municipal Lighting Plant	Publicly Owned Entity			Dan Murphy
Icetec Energy Services, Inc. (Icetec)	AR-LR	Doug Hurley		
Ipswich Municipal Light Department	Publicly Owned Entity			Dan Murphy
Jericho Power LLC (Jericho Power)	AR-RG	Ben Griffiths		
Jupiter Power	AR-RG			Ron Carrier
Lamson, Jon	End User	Jon Lamson		
Littleton (MA) Electric Light and Water Department	Publicly Owned Entity		Dave Cavanaugh	
Long Island Power Authority (LIPA)	Supplier	Bill Kilgoar		José Rotger
Maine Power LLC	Supplier	Jeff Jones		
Maine Public Advocate's Office	End User	Drew Landry		
Mansfield Municipal Electric Department	Publicly Owned Entity			Dan Murphy
Maple Energy LLC	AR-LR			Doug Hurley
Marblehead Municipal Light Department	Publicly Owned Entity			Dan Murphy
Mass. Attorney General's Office (MA AG)	End User	Ashley Gagnon	Jaimie Donovan	
Mass. Bay Transportation Authority	Publicly Owned Entity		Dave Cavanaugh	
Mass. Dept. Capital Asset Management	End User		Paul Lopes	
Mass. Municipal Wholesale Electric Company	Publicly Owned Entity			Dan Murphy
Mercuria Energy America, LLC	Supplier			José Rotger
Merrimac Municipal Light Department	Publicly Owned Entity		Dave Cavanaugh	
Middleborough Gas & Electric Department	Publicly Owned Entity		Dave Cavanaugh	
Middleton Municipal Electric Department	Publicly Owned Entity		Dave Cavanaugh	
Moore Company	End User			Bill Short
Narragansett Electric Co. (d/b/a RI Energy)	Transmission	Brian Thomson		Lindsay Orphanides
New England Power (d/b/a National Grid)	Transmission		Tim Martin	
New England Power Generators Assoc. (NEPGA)	Associate Non-Voting	Bruce Anderson	Dan Dolan	
New Hampshire Electric Cooperative	Publicly Owned Entity			Brian Forshaw
New Hampshire Office of Consumer Advocate	End User		Jason Frost	
NextEra Energy Resources, LLC	Generation	Michelle Gardner	Nick Hutchings	
North Attleborough Electric Department	Publicly Owned Entity		Dave Cavanaugh	
Norwood Municipal Light Department	Publicly Owned Entity		Dave Cavanaugh	
NRG Power Marketing LLC	Supplier		Pete Fuller	
Nylon Corporation of America	End User			Bill Short
Pascoag Utility District	Publicly Owned Entity		Dave Cavanaugh	
Pawtucket Power Holding Company	Generation	Dan Allegretti		
Paxton Municipal Light Department	Publicly Owned Entity			Dan Murphy
Peabody Municipal Light Department	Publicly Owned Entity			Dan Murphy
Princeton Municipal Light Department	Publicly Owned Entity			Dan Murphy
Reading Municipal Light Department	Publicly Owned Entity		Dave Cavanaugh	
RI Division of Public Utilities Carriers	End User	Paul Roberti		
Rowley Municipal Lighting Plant	Publicly Owned Entity		Dave Cavanaugh	

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PARTICIPANT NAME	SECTOR/ GROUP	MEMBER NAME	ALTERNATE NAME	PROXY
Russell Municipal Light Dept.	Publicly Owned Entity			Dan Murphy
Saint Anselm College	End User			Bill Short
Shell Energy North America (US), L.P.	Supplier	Jeff Dannels		
Shipyards Brewing LLC	End User			Bill Short
Shrewsbury Electric & Cable Operations	Publicly Owned Entity			Dan Murphy
South Hadley Electric Light Department	Publicly Owned Entity			Dan Murphy
Sterling Municipal Electric Light Department	Publicly Owned Entity			Dan Murphy
Stowe Electric Department	Publicly Owned Entity		Dave Cavanaugh	
Sunrun Inc.	AR-DG			Peter Fuller
Tangent Energy	AR-LR	Brad Swalwell		
Taunton Municipal Lighting Plant	Publicly Owned Entity	Devon Tremont	Dave Cavanaugh	
Templeton Municipal Lighting Plant	Publicly Owned Entity			Dan Murphy
The Energy Consortium	End User		Mary Smith	
Vermont Electric Power Company (VELCO)	Transmission	Frank Ettori		
Vermont Energy Investment Corporation	AR-LR	Jason Frost		
Vermont Public Power Supply Authority	Publicly Owned Entity			Brian Forshaw
Village of Hyde Park (VT) Electric Department	Publicly Owned Entity	Dave Cavanaugh		
Vitol Inc.	Supplier	Joe Wadsworth		
Wakefield Municipal Gas & Light Department	Publicly Owned Entity			Dan Murphy
Walden Renewables Development LLC	Generation			Abby Krich
Wallingford DPU Electric Division	Publicly Owned Entity		Dave Cavanaugh	
Wellesley Municipal Light Plant	Publicly Owned Entity		Dave Cavanaugh	
West Boylston Municipal Lighting Plant	Publicly Owned Entity			Dan Murphy
Westfield Gas & Electric Department	Publicly Owned Entity		Dave Cavanaugh	
Wheelabrator North Andover Inc.	AR-RG		Bill Fowler	
ZTECH, LLC	End User			Bill Short