

COMMONWEALTH OF MASSACHUSETTS

Barnstable, ss.

At the regular meeting of the County Commissioners held in the Superior Courthouse in Barnstable, on the sixth day of July, A.D. 2016.

Board of the Barnstable County Commissioners:

Mary Pat Flynn	Present
Sheila R. Lyons	Present
Leo Cakounes	Present

Staff Present:

Jack Yunits, Jr.	County Administrator
Kara Mahoney	Interim Administrative Assistant
Maggie Downey	Cape Light Compact Administrator
Austin Brandt	Power Supply Planner
Mary McIsaac	Director of Finance

Commissioner Flynn called the meeting to order at 2:02 p.m.

The Commissioners recited the Pledge of Allegiance followed by a Moment of Silence.

I. Public Comment

Commissioner Flynn asked if anyone present wished to speak under public comment. None offered.

II. General Business

a. ***Presentation on Modernization of Electric Grid, Maggie Downey, Cape Light Compact Administrator, and Austin Brandt, Power Supply Planner***

Ms. Downey and Mr. Brandt provided a power point presentation on Eversource's Grid Modernization plan.

b. ***Report from CVEC on year-end total savings, Liz Argo, Programs and Administrations Manager***

CVEC unable to attend and provide report.

c. ***Discussion and vote on the Cape Cod Commission reclassification***

Commissioners discussed that Cape Cod Commission had already made a presentation on the study a few months prior and that Commissioner Cakounes had asked to table approving it until the permanent County Administrator was appointed and had time to review it. It is now back on the agenda to approve.

Motion made by Commissioner Cakounes to approve and implement in the FY17 Budget, the "Compensation and Classification Study and Consolidated Plan" prepared by Human Resource Services Inc., dated October 25, 2015, for the Cape Cod Commission, in accordance with the County Human Resources Department and Payroll Department, 2nd by Sheila Lyons, approved 3-0-0.

d. ***Approval of the FY2017 County Tax and Environmental Protection Fund Tax Schedules***

Motion made by Commissioner Cakounes to approve the FY17 County Tax and Environmental Protection Fund Tax Schedules as presented, 2nd by Sheila Lyons, approved 3-0-0.

e. ***Discussion and possible vote to send a letter of support to the State House for County legislation amending M.G.L. Chapter 654D, Mary McIsaac***

Mary McIsaac explained that she and Jack Yunits have been working through Representative Sarah Peake's office and Senator Dan Wolfe's office and various other state and local officials to address the issue of unfunded pension liability as it relates to retired employees of the Sheriff's Department, which separated from the County in 2010. Bristol, Norfolk and Suffolk Counties had addressed the unfunded liability issue in two separate pieces of legislation in 2014 and Barnstable County was not involved. The County is now asking the legislation for same treatment, that the other counties received which was reimbursement for the liability for these employees.

Motion made by Leo Cakounes to approve and execute the letter of support to the State Legislature for Barnstable County's request of relief from the unfunded pension liability of the Sheriff's Department, as presented, 2nd by Sheila Lyons, approved 3-0-0.

f. ***Discussion and possible vote to send a letter of support for legislative efforts concerning Monomoy Refuge boundaries***

Motion made by Commissioner Cakounes to approve and execute the letter of support for legislative efforts concerning the Monomoy Refuge boundaries, 2nd by Sheila Lyons, approved 3-0-0.

g. Discussion and letter of support for legislative efforts on Veteran's Retirement Benefits

Motion made by Commissioner Cakounes to approve and execute the letters of support for legislative efforts on Veteran's Retirement Benefits for Mr. Timothy P. King and Mr. Michael R. Locke as requested in State Representative Sarah Peake's letter dated April 27, 2016, 2nd by Sheila Lyons, approved 3-0-0.

III. New Business

No new business discussed.

IV. Commissioner's Actions

Motion made by Commissioner Cakounes to approve the Minutes of the regular session meeting of June 29, 2016, 2nd by Sheila Lyons, approved 3-0-0.

Motion made by Commissioner Cakounes to approve the following items under Summary of Actions; under contracts, item 2; under bid awards, items 3-6; under HOME program, item 7; under transfer of funds, item 8; under Personnel, item 9; under Septic Betterment for execution by Chair only, items 10-23, 2nd by Sheila Lyons, approved 3-0-0.

Motion made by Commissioner Cakounes to approve the following item; under contracts, item 1, 2nd by Sheila Lyons, approved 2-1-0 with Commissioners Flynn and Lyons voting in favor and Commissioner Cakounes opposing.

Summary of Actions:

Contracts

1. In accordance with Barnstable County's responsibility as Fiscal Agent for Cape Light Compact, executed the third Amendment to the Professional and Consulting Services Agreement with ICF Resources, LLC to increase the contract budget amount to \$634,995.
2. Executed a Cost Reimbursable Research Subaward Amendment between Cape Cod Cooperative Extension and Woods Hole Oceanographic Institution to amend the budget amount to \$502,768, and extend the budget period to January 31, 2017.

Bid Awards

3. Executed an Agreement between Barnstable County and Shannon Chemical Corporation to provide citric acid to the Town of Provincetown for the period of July 1, 2016 through June 30, 2017 with two one year options to renew. (bid awarded on June 22, 2016)

4. Executed an Agreement between Barnstable County and Borden & Remington Corporation to provide water chemicals to water districts for the period of July 1, 2016 through June 30, 2017. (bid awarded on June 22, 2016)
5. Executed an Agreement between Barnstable County and WB Mason to provide office supplies to Barnstable County and other political subdivisions for the period of July 1, 2016 through June 30, 2017, with the option to renew for two additional one year periods.
6. Executed an Agreement between Barnstable County and Maxxam Analytics to provide laboratory analysis of soil and water samples taken from the Fire Training Academy site for the period of July 6, 2016 through June 30, 2017. (bid awarded on June 15, 2016)

HOME Program

7. Executed a Subordination of Mortgage for R. Kinchla.

Transfer of Funds

8. In accordance with Barnstable County's responsibility as Fiscal Agent for Cape Light Compact, approved the amended transfer request to correct a typographical error in account information for the 2015 energy efficiency close-out protocols.

Personnel

9. Approved Jack Yunits, County Administrator, timesheet for the period of June 12, 2016 through June 25, 2016.

Septic Betterments (Chair only)

10. Executed a Certificate For Dissolving Betterments for Daniel A. and Cathleen C. Edwards.
11. Executed a Certificate For Dissolving Betterments for Robert D. and Claire Whitty.
12. Executed a Certificate For Dissolving Betterments for Bonnie M. Cooper.
13. Executed a Certificate For Dissolving Betterments for Stanley N. and Linda DeHaan.
14. Executed a Certificate For Dissolving Betterments for Patricia Washington.
15. Executed a Certificate For Dissolving Betterments for Scott A. and Sarah Jordan.
16. Executed a Certificate For Dissolving Betterments for Martin R. and Lisa M. Benoit.
17. Executed a Certificate For Dissolving Betterments for Jonathan P. and Amanda L. Duquette.
18. Executed a Certificate For Dissolving Betterments for Andrea J. Foster.
19. Executed a Certificate For Dissolving Betterments for Robert F. and Lauren M. Kingman.
20. Executed a Certificate For Dissolving Betterments for Robert M. Thorne and Erin Marie McGuinness.
21. Executed a Certificate For Dissolving Betterments for David Rockwood.
22. Executed a Certificate For Dissolving Betterments for William B. Adams.
23. Executed a Certificate For Dissolving Betterments for Kimberly S. Bonomi.

V. Commissioners' Reports

No weekly reports offered.

VI. County Administrator Report

Jack Yunits discussed the negotiation of the new fiscal management contract with Cape Light Compact. No agreement has been reached yet. He contacted John Giorgio who will be coming in to review it and hopefully give the County a recommendation.

He reported on his conference call with the Department of Environmental Protection that morning regarding the clearance of the hot spot at the Fire Training Academy. The County has retained services from Steve Combs, former Fire Marshall, to assist in setting up future protocols for trainings at the Academy.

He began looking at doing a reclassification study similar to what the Cape Cod Commission did for new roles and responsibilities.

A Communications sub-working group with three County employees was formed to work on forming new ways to deliver unified messages to County residents. They each have a background and training in media. Looking to unveil the new video with eight one minute segments in September.

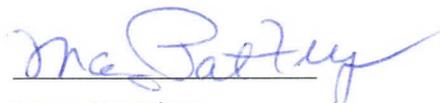
Barnstable, ss. at 3:13 pm on this sixth day of July, A.D. 2016, Commissioner Cakounes made a motion to adjourn, 2nd by Sheila Lyons, approved 3-0-0.

Attest:



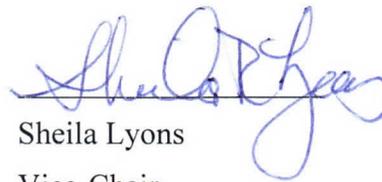
County Clerk

The foregoing records have been read and approved.



Mary Pat Flynn

Chair



Sheila Lyons

Vice-Chair

Leo Cakounes

Commissioner

List of documents:

- 1) PowerPoint presentation on Modernization of Electric Grid

Eversource's Grid Modernization Plan: Laying the Foundation of Our Energy Future

July 6, 2016

Maggie Downey, Administrator
Austin Brandt, Power Supply Planner

Cape Light
Compact

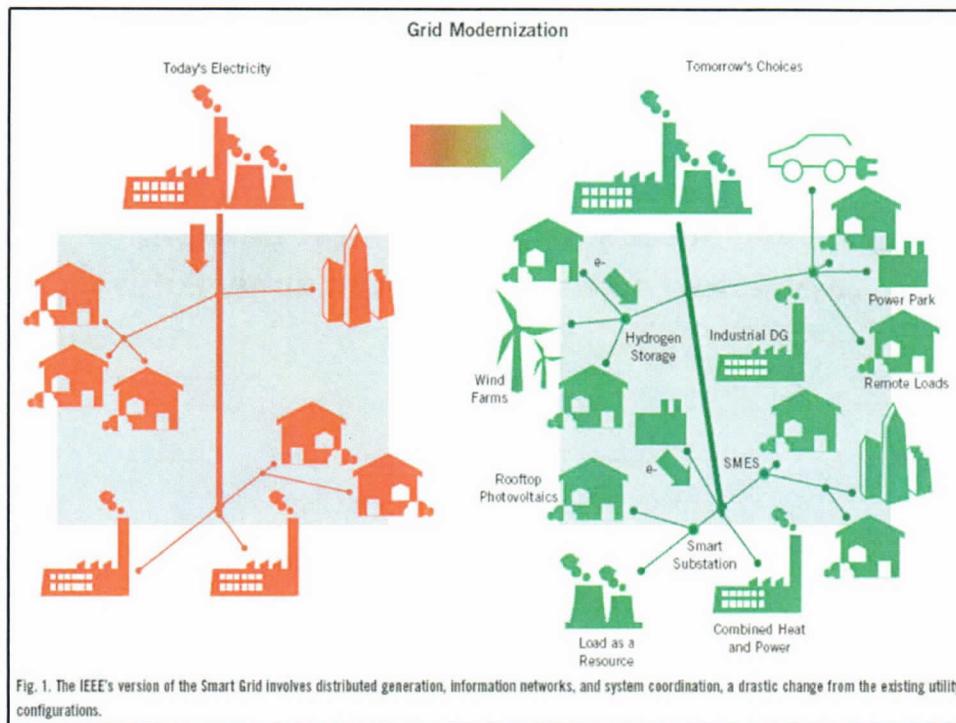


Working Together Toward A Smarter Energy Future

Grid Modernization: What and why?



- Our electric grid was designed to deliver power in one direction: from centralized generating plants to end users
- Increasing integration of distributed energy resources (DERs), need for increased grid stability and resiliency, and prevalence of information networks is causing a shift toward a smarter, modernized grid that should empower consumers to better manage energy use (and production!)
- Grid modernization is the process by which digital intelligence is incorporated in to our electric power grid to enhance the safety, reliability, resiliency, and efficiency of the grid, and enable consumers to capitalize on energy management opportunities



Why should you care?



- This is the first time that the DPU has mandated that the electric distribution companies (EDCs) modernize our antiquated grid
- Choices made today will have dramatic impacts on DERs, storage, energy efficiency for many years to come
- ***Electric customers are paying for it!***

What's the goal here?



The DPU set forth four primary goals in its order on grid modernization:

1. Reducing effects of outages
2. Optimizing demand, including reducing system and customer costs
3. Integrating distributed energy resources
4. Improving workforce and asset management

How do EDCs achieve the goals?



GMPs are ten-year "strategic planning documents" that must include:

- A five-year short-term investment plan (STIP)
- A marketing, education, and outreach (MEO) plan
- A research, development, and deployment (RD&D) plan
- Proposed infrastructure and performance metrics
- Proposed procedures that would allow competitive suppliers access to certain customer usage data while protecting confidentiality

Eversource proposal: Generalities



- Conservative, grid-facing approach
 - Emphasizes incremental investments
 - "...a flexible foundation for the future"
 - Heavily focused on improving reliability & resiliency
- Downplays benefits of giving consumers greater access to information and pricing transparency
 - Most apparent through opt-in approach to AMF & TVR
 - Claims most customers are uninterested in TVR

Eversource spending proposals



Investment Category	5-year Capital + O&M (million)
Smart & Integrated Grid	\$171.9
Resilient Grid	\$150
Customer Engagement	\$108.2
Enabling Investments	\$66.3
TOTAL:	\$496.4

Smart & Integrated Grid – \$171.9 million



- **Advanced Sensing Technology: \$59.9 million**
 - Includes microprocessor relays, and employing Distribution Feeder Supervisory Control and Data Acquisition (DSCADA) on circuit breakers, overhead automated devices, network protectors, and motor operated padmount switches
- **Automated Feeder Reconfiguration: \$47.6 million**
 - Will automatically segment line sections in event of outage in order to reduce number of customers affected
- **Remote Faulted Circuit Indication: \$21.2 million**
 - Deploys technology and underground and overhead systems to automatically detect and notify Eversource of location of fault current, reducing outage time

Smart & Integrated Grid: Benefits



- Enhances system awareness and reliability through real-time loading data
- May reduce infrastructure investments/upgrades
 - IF system planners take loading data in to account
- Enhances worker safety through automation
- Reduces number of outages, duration of outages, and number of customers affected by outages
 - BUT: alternate supply routes come in to play

Smart & Integrated Grid: Concerns



- Geographic equity
 - Are the costs being allocated according to the benefits?
 - Many improvements are slated for underground networks that serve urban areas (e.g., greater Boston)
 - Examples:
 - 4 kv circuit breaker DSCADA (underground systems)
 - DSCADA-enabled motor-operated padmount switches (underground systems)
 - Underground remote faulted circuit indicators (2,000 proposed in Eversource East)
 - Major node sensors for network systems
 - Network load flow study

Resilient Grid - \$150 million



"A strong and resilient grid infrastructure is a critical prerequisite for an increasingly modernized grid."

Eversource GMP, page 63

- Underground Electrical Safety & Resiliency Program
 - Includes manhole inspections, damage and voltage-indication of infrastructure, monitoring and tracking systems, forensic analysis of failed equipment
- Overhead Reliability & Resiliency Program
 - Includes pole inspections and replacements, double-pole transfers and removals, "Enhanced Tree Trimming"

Resilient Grid: Benefits



- Reduces number of outages, in particular during severe weather events
- Enhances customer and worker safety
- Saves money by increasing operational efficiency(?)

Resilient Grid: Concerns



- Almost 1/3 of grid modernization costs in Plan
- Nearly all “investment” elements of category appear to be:
 - Core utility functions
 - Operation and maintenance
- Unclear how Eversource proposes to recover these costs
 - Accelerated through a capital expenditures tracker?

Customer Engagement – *\$108.2 million*



- Targeted, opt-in Time-Varying Rate (TVR) program
 - Available to all residential and small commercial and industrial (C&I) customers (95% of all customers)
 - Two pricing options
 - Time-of-Use/Critical Peak Pricing (TOU/ CPP): On-peak, off-peak, and critical peak
 - Targeted Time-of-Use: on-peak, off-peak

Customer engagement: Benefits



- Lower infrastructure cost relative to full Advanced Metering Infrastructure (AMI) deployment necessary for opt-out program
- Eliminates any risk of negative impacts on unaware customers, especially low-income customers

Customer Engagement: Concerns



- TVR Design
 - Opt-in program
 - If you opt-in, you bear extra costs
 - Must be on basic service to participate
 - Must stay on selected rate for at least a year
- Must be on utilities' power supply to participate
 - makes option unavailable to customers participating in the marketplace or enrolled in community aggregations
- Does not address how to allow competitive suppliers or aggregations to get data necessary to offer TVR option(s)

In summary...



- Benefits:
 - Will provide system operators with much greater visibility in to real-time status of system
 - Leads to greater operation and, in theory, planning efficiencies
 - Will improve reliability and resiliency of the grid
 - Less customer outages, shorter outages
- Concerns
 - Utility-centric
 - No universal AMI = limited customer engagement
 - Cost allocation according to benefits
 - Inclusion of core utility functions
 - Limits opportunities for smart metering
 - TVR program design does not appear to meet DPU requirements

Current Procedural Status



- Procedural schedule issued
- DPU ruled that rate design issues are outside of scope
- Compact participating in Eversource docket
- Compact staff, consultants, and counsel are developing Information Requests (IRs) to submit to Eversource
- Eversource's responses to these IRs will help inform the Compact's position on issues of concern

Next Steps



- Continue to get information from Eversource through IRs
- Continue to inform and engage stakeholders on issues of concern
- Develop positions based on information received and stakeholder input