

Assessment of All Available Cost-Effective Energy Efficiency and Demand Reduction Resources

Proposed Approach for 2010-2012 Plans: Objectives, Approach, and Schedule

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GCA, Section 21(a)(2)

“(2) A plan shall include: (i) an assessment of the estimated lifetime cost, reliability and magnitude of all available energy efficiency and demand reduction resources that are cost effective or less expensive than supply”

Objectives

Assessment of all available cost-effective energy efficiency and demand reduction resources, conducted in early to mid-2009, for use in developing and reviewing the Three Year Plans.

Assessment should be:

- Timely; most useful in developing and reviewing the Three Year Plans (2010-2012) during 2009 (see schedule below)
- Forward looking, incorporating higher savings and considering new or revised program designs to go “deeper and broader”
- Based on best-available data and analyses, using a combination of available information and triangulation
- Led by EEAC Consultants, with input from the Council and PAs (including PA data and analysis, as available)
- Conducted in parallel to (and should not get in the way of) the immediate priority in Massachusetts. MA should focus primarily on "doing and learning" with deeper and broader programs, and then use the experience and lessons learned to update estimates of potential in later years.
- Targeted, with prescribed resources and specific timeline, so as not to divert extensive resources from other crucial tasks in mid-2009.

Proposed Approach

1. Scope and focus: assessment of all available cost-effective energy efficiency and demand reduction resources. Phased schedule, with focus first on energy efficiency resources and CHP, followed by assessment of demand reduction resources. [Question: is it essential to include demand reduction resources in this first assessment, or can this first assessment be for energy efficiency and CHP only?]
2. Assessment based on best-available data and analyses, using a combination of available information, hole-filling, and triangulation, including:
 - Targeted updates or expansions of prior potential or market analyses in MA (prior DOER analysis, NSTAR getting to zero, etc.).
 - Comparison to and analysis of other recent potential studies, market assessment studies, and integrated resource plans (especially those conducted in the region) applied to MA load at the sector or end use level.

- NEEP updated regional analysis of cost-effective energy efficiency potential (underway).
 - Analysis of limitations of the available studies and determination of how best to apply the studies and results to MA, with identification of any additional cost-effective potential in MA that may not have been included in the studies.
 - Numerical analysis of how many homes or businesses have been treated (and how deeply) vs. what is left to be treated (considering the total population).
3. Assessment led by EEAC Consultants, with input from the Council and PAs (including PA data and analysis, as available).

Schedule

Assessment conducted in early to mid-2009, for use in developing and reviewing the Three Year Statewide Plans and the PA-specific Plans. [Assessment of demand reduction resources would need to be added to the schedule, if to be included in this first assessment.]

- May 4: Collect and compile best-available data and analyses on potential savings.
- May 11: Collect and compile data on MA load, number of customers by sector and major market segment, and program participation in the recent past.
- May: Review, compare, and analyze recent potential studies, market assessment studies, and integrated resource plans (especially those conducted in the region), and apply to MA load at the sector or end use level.
- May 26: Council meeting; Council reviews summary table of results of other potential studies, market assessment studies, and integrated resource plans, including comments by the Consultants.
- June: Complete the analysis and application of available potential study results to MA load. Complete the analysis of how many homes or businesses have been treated (and how deeply) vs. what is left to be treated (considering the total population).
- June 9: Council meeting; Council reviews and comments on preliminary draft assessment of all available cost-effective energy efficiency.
- June 23: Council meeting; Council reviews assessment of all available cost-effective energy efficiency.

For Future Plans

Conduct a comprehensive potential study (with primary data collection) or update the assessment of cost-effective potential later during the three-year period (late 2011/early 2012?). Per the GCA statute, an assessment of all available cost-effective energy efficiency and demand reduction resources is required for each Plan.