





HQ's Proposed Savings Goals

# HQ's Proposed Efficiency Savings Goals

- Eliminate one-third of load growth
  - ~0.8 TWh new savings per year given current load growth forecast
  - Little justification basing target on % of load growth
    - HQ says this is "industry practice"...
    - ...but no evidence provided to support that claim
  - □ Little justification offered for proposed 33%
    - HQ says proposed % is designed "to strike a balance" between different objectives
    - ...but no empirical analysis to support it
    - ...and no analysis of impacts of alternatives
    - Similarity to past level of effort does not make it an optimal level of effort.

## E=G

#### Problems with Tying Savings Goals to Load Growth

- Targets should be primarily a function of cost-effectiveness
  - a Amount that is cost-effective is not primarily a function of load growth
  - Lots of savings are cost-effective even with no load growth

Load growth can fluctuate a lot over time

- If annual savings goals also fluctuate, there will be instability in efficiency markets
  - Reduces willingness of private sector to embrace selling efficiency
  - Undermines long-term market transformation objectives
- Not a typical industry practice
  - Most jurisdictions use fixed MWh targets or savings as % of total sales

Key Question: Is HQ asking for flexibility to reduce savings if load growth declines or increases, or are they saying that they will average 0.8 TWh/year and that that just happens to equal 1/3 of load growth? The latter approach is the correct one (putting aside the question of the magnitude of the target).



### 0.8 TWh Annual Target is Low

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- Translates to only 0.4% to 0.5% of annual sales
- HQ proposed target well below others
  - Leading jurisdictions getting ~2.0% per year (or more)
    - Though those jurisdictions have higher avoided costs, most of their savings would still be cost-effective under HQ's avoided costs
  - Nearly 30 U.S. States had higher annual savings targets in 2011
  - British Columbia, Nova Scotia and Ontario all have targets 2 to 3 times the size of HQ's proposal
- HQ studies suggest cost-effective potential ~2.0% per year
  - Most of that should be achievable over 10 year period
- HQ plan would forgo majority of cost-effective savings potential
  - Avoided costs define what is cost-effective/beneficial to consumers
  - Potential studies used avoided costs to estimate cost-effective potential



#### Addressing Rate Impact Concerns

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- Rate impacts are a potential equity concern
  - i.e. participant benefits vs. non-participant impacts
- Must be substantial to justify forgoing large total bill savings
- HQ has presented no analysis of rate impacts
  - Rhode Island study suggested rate impacts of just 0.7% to 1.6% from savings targets more than five times HQ's
- Even if substantial, impacts can be mitigated by designing efficiency program portfolio that reaches vast majority of customers

9 HQ's Proposed Efficiency Strategies



#### Emphasis on Market Transformation is Good

- Potential to produce greater savings at lower cost
- ...if programs carefully designed to meet MT objectives
- Requires development of long-term program logic models
- Map how program strategies affect key aspects of market over time
- all Identify short, medium and long-term indicators of success
- Establish goals tied to those indicators
- Measure progress on those goals
- Clearly define transformed market (specific to each program)
- Régie should require such logic models in future filing



## Emphasis on Winter Peak Demand is Good

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- HQ should pursue all cost-effective efficiency
- If it did, it would get all cost-effective winter peak savings...
  - ...but it will take a few years to ramp up to that level
- Emphasis on peak demand is appropriate during ramp up
  - Likely greater benefits per unit of savings



#### Shift from Financial Incentives to Education is Problematic

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- Program design should be a function of market barriers
  - Vary from market to market
  - Requires objective analysis
  - HQ has provided no evidence that better understanding of market barriers dictates such a shift
- No empirical evidence in other jurisdictions to suggest such a shift would lead to greater effectiveness in acquiring savings
- Note: \$ incentives can be key element of customer education
  - Helps get customers' attention so they can be educated
  - Gives trade allies credibility when talking to customers