

2018

Q1

Key Assumptions Summary Report

IMPORTANT UPDATES:



What's New!

This is the Q1 2018 Key Assumption report for NEEA's portfolio of energy savings programs. This Q1 version contains the final set of assumptions that we anticipate for our 2017 savings reporting. We will have a final review of our assumptions and savings reporting with CEAC in our April meeting.

Accompanying the review in April will be access to a full set of assumptions by measure in a Regional Stakeholder Report for your reference. This document will provide access and transparency to the full set of Key Assumptions across all of NEEA's initiatives and measures.

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Questions about this report may be addressed to:

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Residential



INITIATIVE	HIGHLIGHTS
Clothes Washers	
Ductless Heat Pumps	✓
Efficient Homes	
Heat Pump Water Heaters	✓
Residential Lighting	
Residential New Construction/Next Step Homes	✓
Retail Product Portfolio	
Super-Efficient Dryers	✓

Commercial

No key assumption updates this quarter.



Building Operator Certification Expansion	
Commercial Real Estate	
Commissioning Buildings	
Desktop Power Supplies	
Luminaire Level Lighting Controls	
Reduced Wattage Lamp Replacement	
Strategic Energy Management	

Codes & Standards

No key assumption updates this quarter.



Commercial Codes	
Multifamily Codes	
Non-Residential Standards	

Industrial/Agricultural

No key assumption updates this quarter.



Certified Refrigeration Energy Specialist (CRES)	
Drive Power	
Refrigerators	



Residential

KEY ASSUMPTION HIGHLIGHTS

Ductless Heat Pumps (DHP)

As mentioned in the Q3 2017 report, our DHP distributor data collection process has been expanded in 2017 to serve a broader HVAC product list. This effort will greatly improve the breadth of HVAC and water heating data available to the region. We expect to receive the same level of data on DHPs as we have in past years but the expansion has caused a delay in receiving 2017 DHP data. Cadmus has reviewed NEEA's approach to extrapolating where necessary for annual reporting and we will true up the DHP model when complete actual sales data is available later this year.

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Heat Pump Water Heaters

NEEA has developed a method for estimating and removing any overlap in savings reported from HPWHs in new construction homes that either installed one to meet code requirements or to meet a voluntary building program specification (e.g. ENERGY STAR Homes). This method was reviewed in detail by Cadmus in January 2018. In the future NEEA expects to collect HPWH data specific to new construction, so this estimation should only be necessary for 2017.

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Residential

KEY ASSUMPTION HIGHLIGHTS

Next Step Homes

We have updated our NEEA Baseline assumption for voluntary certification programs.

NEEA has been using a baseline study completed in 2012. The baseline approach derived from that work was a good match for the pilot home work being done at the early stages of the Next Step Homes initiative.

Since that time, the program has shifted to supporting a broad array of above code programs in the region with the goal of easing more efficient code adoption in the future. With this new program focus, the initiative is bringing the voluntary program baseline assumption in line with its code baseline policy; NEEA will count 100% of the savings from these programs as Co-Created for a fixed amount of time. This approach as applied to codes was reviewed with CEAC in 2017.

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Super-Efficient Dryers (SED)

NEEA has begun analyzing results from ongoing lab testing on ENERGY STAR and non-ENERGY STAR dryers that we believe will show greater savings than the current RTF measures have calculated. Preliminary results indicate that the savings for ENERGY STAR dryers are likely in the 65-80 kWh/yr range.

We do not anticipate having final lab test results in time to incorporate in our annual reporting process. For now, we have adjusted the savings rate for ENERGY STAR dryers from our prior estimate of 93 kWh/yr to 70 kWh/yr. When we do have final results in Q2 of this year, we plan to make a historical update to the 2017 savings.

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