



## 2017 Program Updates Supplemental Information

See [2017 Focus on Energy Program Updates](#) for overall program updates

### Residential Incentive Updates

#### Home Performance with ENERGY STAR

Tier 1: Household income greater than 80% of the State Median Income

Tier 2: Household income less than 80% of the State Median income

2017 State Median Income (SMI) Chart				
Household Size	Annual Income		3 Month Income	
	Lower Limit 60% SMI	Upper Limit 80% SMI	Lower Limit 60% SMI	Upper Limit 80% SMI
1	\$26,175	\$34,899	\$6,544	\$8,725
2	\$34,228	\$45,638	\$8,557	\$11,409
3	\$42,282	\$56,376	\$10,571	\$14,094
4	\$50,336	\$67,114	\$12,584	\$16,779
5	\$58,390	\$77,853	\$14,597	\$19,463
6	\$66,443	\$88,591	\$16,611	\$22,148
7	\$67,953	\$90,604	\$16,988	\$22,651
8	\$69,463	\$92,618	\$17,366	\$23,154
9	\$70,973	\$94,631	\$17,743	\$23,658
10	\$72,484	\$96,645	\$18,121	\$24,161
11	\$73,994	\$98,658	\$18,498	\$24,665
12	\$75,504	\$100,672	\$18,876	\$25,168

New Heating & Cooling Technologies available in 2017

Equipment Type	Incentive	
	Tier 1	Tier 2
<b>NEW</b> Heat Pump Water Heaters - electric only (ENERGY STAR Qualified)	\$300	\$300
<b>NEW</b> Smart thermostat installed with a program-qualified furnace, boiler or air source heat pump	\$125	\$125
<b>NEW</b> Smart thermostat installed as a stand-alone (not packaged with new HVAC equipment)	\$75	\$75

Heating & Cooling Technologies

Equipment Type	Tier 1		Tier 2	
	Incentive	Incentive w/Smart Tstat	Incentive	Incentive w/Smart Tstat
Natural gas multi-stage furnace with ECM, 95%+ AFUE	\$125	\$250	\$525	\$650
Natural gas multi-stage furnace with ECM and 95%+ AFUE installed with a 16+ SEER air conditioner	\$250	\$375	\$750	\$875
Modulating natural gas boiler with outdoor reset control, 95%+ AFUE	\$400	\$525	\$550	\$675
Indirect water heater (installed at the same time as qualified boiler)	\$100	NA	\$150	NA
Modulating combination natural gas boiler with integrated domestic hot water and outdoor reset control, 95%+AFUE	\$500	\$625	\$675	\$800
Propane multi-stage furnace with ECM, 90%+ AFUE	\$100	NA	\$300	NA
Natural gas furnace, 95%+ AFUE	NA	NA	\$350	NA
Air source heat pump, 16+ SEER and 8.4 HSPF (propane, oil or electric furnace only; cannot be a mini-split or ductless system)	\$300	NA	\$300	NA
<b>UPDATED</b> Ductless/mini-split heat pump for electric resistance heated home, 18+ SEER and 9.0 HSPF (only for homes heated solely with electric resistance heat)	\$500	NA	\$500	NA
ECM replacement	\$100	NA	\$100	NA
<b>NEW</b> Smart thermostat stand-alone (not installed along with new program qualified HVAC equipment)	\$75	NA	\$75	NA

NEW Heat pump water heater – electric only (ENERGY STAR® qualified)	\$300	NA	\$300	NA
BONUS when you complete Heating and Cooling Improvements and Whole Home Improvements together. Must be completed within 90 days of each other.	\$250	NA	\$250	NA
* Includes installation and smart thermostat incentive.				

Whole Home Improvements (air sealing and insulation)

- Incentive amounts will remain the same as 2016
- Additional \$200 incentive if customer replaces water heater (ENERGY STAR qualified)

Renewable Incentives (includes New Home construction)

Equipment Type	
Solar electric (PV) system – Residential one to three units	• TBD
Solar electric (PV) system – Multi-family and businesses	• TBD
Geothermal heat pump systems	\$650 per system

Simple Energy Efficiency

Pack co-pay changes: **TBD**

New Homes

Gas & Electric (Type A)			
Level	Performance Requirement	2016	2017
1	15 - 24.99% Better Than Code	\$150	N/A
2	25 - 34.99% Better Than Code	\$425	\$400
3	35 – 44.9% Better Than Code	\$1,100	
4	45 – 100% Better Than Code	\$1,600	
Electric Only (Type B)			
Level	Performance Requirement	2016	2017
1	15 - 24.99% Better Than Code	\$100	N/A
2	25 - 34.99% Better Than Code	\$150	\$150
3	35 – 44.9% Better Than Code	\$250	
4	45 – 100% Better Than Code	\$350	

## Business Program Incentive Updates

Business Programs	2016	2017
Custom Incentive Rates		
kW (all projects)	\$100	Same
kWh (non-lighting)	\$0.03	Same
kWh (lighting)	\$0.03 \$0.02 (LEU)	Same
Therm	\$0.40	\$0.60
Maximum Payback Eligibility	10 years 5 years (LEU)	10 years 8 years (LEU)
Maximum Incentive % of Project Cost	50% 30% (LEU)	Same
Project Cap	\$200K \$150K (LEU)	\$200K
Customer Annual Cap	\$400K \$300K (LEU)	\$400K

### Incentive Catalogs: General Updates

- New covers – one color for each technology area
- Addition of Small Business - new tables
- EBTU – integration into HVAC/Plumbing Incentive Catalog

### Lighting Catalog

- All linear fluorescent fixture & system incentives have been discontinued (interior and exterior)
- All CFL measures have been discontinued
- All metal halide and induction measures have been discontinued (interior and exterior)
- Troffer measures will now allow ALL DLC listed retrofit kits
  - Linear retrofit kits MUST be installed in the category they are listed in, if not, projects may be eligible for custom incentives
- NEW MEASURE-- 8ft T8/T12 to tandem 4ft TLED measures in business offerings
- NEW MEASURE-- 6LT5HO/8LT8 to DLC LED High Bay measure
  - \$30-40/fixture
- NEW MEASURE-- LED signage prescriptive measures (interior and exterior)
  - \$0.20-\$0.25/watt reduced
  - Does require clear documentation of existing condition
- Omnidirectional replacement lamps are revamped to be lumen baselines instead of wattage replaced (interior and exterior)
- NEW MEASURE-- DLC mogul base LED lamp measures (interior and exterior)

- \$0.20-\$0.25/watt reduced
- Must be installed in listed application
- TLED incentives are decreased
  - \$1.50-\$2/lamp
- High Bay controls are consolidated and decreased
  - \$10/controlled fixture

### HVAC/Plumbing Catalog

- Steam Traps:
  - NEW MEASURE-- Steam Trap survey for multifamily
    - \$4/steam trap
  - NEW MEASURE-- < 10 psig radiator trap measure added for business
  - Previous < 50 psig steam trap measures have been split into < 10 psig and 10-49 psig measures
  - Projects without a steam trap survey need to provide operating pressure of the steam traps
- DX Cooling:
  - Added option for manufacturer to provide performance data at AHRI conditions if equipment not AHRI listed (common with large equipment)
  - NEW MEASURE-- Condensing unit replacement (without “complete system” replacement like the split system measure requires)
    - \$25/ton + \$5/ton per 1.0 EER over minimum
- NEW MEASURE-- ECM HVAC fan motors d 1 hp (used for fan coil units, exhaust fans, VAV boxes, etc.)
  - \$25/motor
- NEW MEASURE-- Advanced Rooftop Unit Controllers
  - \$125/ton
  - Open to all business programs & multifamily program
  - Change from 2015/16 special offering: Doesn't require age to be d 15 years, doesn't require a reservation code
  - No 50% of project cost cap
  - New construction projects are now eligible
- DCV for AHU: duct mounted CO<sub>2</sub> sensors OK in some cases
- Residential-type water heater measures for power vent tankless (P2652 and M-P2652) and water heater fuel conversion (P2825) have been discontinued
- Add additional multifamily new construction faucet aerator and showerhead measures
- Express Building Tune-up (EBTU) measures added as separate section of HVAC/Plumbing Catalog
  - Customer co-pay discontinued; incentives now paid to customer
  - 2-measure minimum (was 3-measure minimum)

### Process Systems Catalog

- VSD Air Compressors: added requirement that must operate 2,000 hours/year or more
- NEW MEASURE-- vacuum pump heat recovery

- \$50/horsepower
- Same structure & requirements as compressed air heat recovery
- Compressed air load shifting will require a table to be completed in the Supplemental Data Sheet
  - Incentive will be calculated as net horsepower (hp) change (hp removed from compressed air – new electric motor or blower hp)
- Compressed air leak surveys
  - Leak surveys must be done in consecutive years
  - Max incentive reduced to \$4,000
- LEU customers will again be eligible for:
  - Compressed air heat recovery, both retrofit and new construction
  - Compressed air load shifting, retrofit only
  - Compressed air leak survey and repair (all years, and new 3-year agreements), retrofit only
  - Custom incentives are available for repulper rotors, radiant heater bands and radiant tube inserts

#### Commercial Refrigeration Catalog

- Commercial Ice Machines revision – supporting ENERGY STAR™ performance specification as opposed to CEE Tier II
- Discontinuing incentives for vertical LED case lights in new construction projects due to 2017 DOE Refrigeration Standards taking effect March 2017
- NEW MEASURE – Strip curtains for walk-in coolers and freezers
  - \$7/linear ft
  - Not applicable for new construction projects

#### Commercial Kitchen Equipment Catalog

- NEW MEASURE – ENERGY STAR™ Commercial Coffee Brewers
  - \$50/unit
- Removal of 2-tiered incentive approach to kitchen ventilation controls
  - Higher incentive levels for both new ventilation systems and existing ventilation systems

#### Agribusiness Catalog

- Combined all catalogs into one (previously split between Grain Dryer & Irrigation, Dairy & Livestock, and Greenhouses)
- NEW INCENTIVE BONUS - Agriculture Multiple Equipment Bonus
  - \$400 for 2 types
  - \$500 for 3 types
  - \$600 for 4+ types
  - Bonus capped at 50% of original incentive; not eligible for new construction
- Milk pre-cooler incentive based on number of milking cows
  - \$400 for <135 cows
  - \$3/cow for e135 cows

- No longer need to complete supplemental data sheet
- Scroll compressor incentive reduced to \$100
  - Three measure options based on existing milking equipment
  - No longer need to complete supplemental data sheet
- Dairy refrigeration tune-up incentive reduced to 50% of service cost up to \$100
  - Three measure options based on existing milking equipment
- Variable speed control for vacuum pump incentive based on number of milking cows
  - \$5/cow
- Variable speed control for milk pump incentive based on number of milking cows
  - \$2/cow
- Refrigeration heat recovery unit
  - Six measure options based on existing milking system: all \$600/unit
  - No longer need to complete supplemental data sheet
- Electric water heater incentives based on number of milking cows
  - \$150 for <150 cows
  - \$1/cow for e150 cows
- Natural gas water heater incentive based on number of milking cows
  - \$4/cow
  - No longer need to complete supplemental data sheet
- Electric to natural gas water heater conversion measure has been removed
- Agriculture lighting incentives will match general lighting catalog incentives
- Long-Daylighting measures have been removed; use high bay measures
- High Volume Low Speed fan measures combined
  - \$50/fan diameter (ft)
  - e16 fan diameter eligible
- Agriculture VFDs for constant torque incentive reduced to \$30/hp
- Compressed air leak survey and repair measures added to Agribusiness Catalog