

# Update on RE Growth and SolarWise Programs, 2015-2017 program years

Distributed Generation Board Meeting

July 18, 2016



# Overview of Today's Presentation

- Summary of 2015 program year final results
- Update on 2016 program year progress
- Update on SolarWise rollout
- Summary of 2017 program year planning and schedule

# 2015 RE Growth Program Year

# RE Growth 2015 Program Year Summary for Medium PV and Competitive Classes



Renewable Energy Class (Nameplate kW)	Enrollment Target (Nameplate kW)	Standard PBI applicable to Medium Solar only (cents/kWh)	Ceiling Price w/ITC (cents/kWh)	Ceiling Price w/PTC (cents/kWh)	Ceiling Price w/o ITC/PTC (cents/kWh)	# COE's Awarded	Total (kW)	% of Target "Awarded"
Medium-Scale Solar (26-250 kW DC)	4,000	24.40	24.40	N/A	N/A	11	2,705	68%
Commercial-Scale Solar (251-999 kW DC)	5,500	N/A	20.95	N/A	N/A	5	4,147	75%
Large-Scale Solar (1,000-5,000 kW DC)	6,000	N/A	16.70	N/A	N/A	2	6,644	111%
Wind (1,500-5,000 kW)	5,000							
1,500-2,999 kW 3,000-5,000 kW		N/A N/A	18.40 18.20	19.85 19.45	22.75 22.35	1 1	1,500 4,500	120%
Anaerobic Digestion (up to 1,000 kW)	1,500							
150-1,000 kW		N/A	N/A	20.20	20.60	0	0	0%
Small-Scale Hydropower (up to 1,000 kW)								
10-250 kW 251-1,000 kW		N/A N/A	N/A N/A	19.80 18.55	21.35 20.10	0 0	0 0	0%
<b>OE Total:</b>	<b>22,000</b>					<b>20</b>	<b>19,496</b>	<b>88.6%</b>

# RE Growth 2015 Program Year Summary for Small-Scale Solar

- 3 MW Target carve-out of Small-Scale Solar from total 25 MW Nameplate Capacity Target for 2015 Program Year
- Final, as of June 30, 2016 (last materials submitted by 5/6/16):
  - Certificates of Eligibility (COE) awarded to 479 projects totaling 3,363 kW of nameplate capacity, with 3,306 kW expected to come on line
    - 294 projects awarded COEs - operational
    - 176 projects awarded COEs - pending operation
    - 9 projects awarded COEs subsequently cancelled
- As result of the additional time to submit all documentation at end of the plan year, 110% of 2015 Program Year Target of 3 MW met
- **Added to the 19.5 MW from the other classes, RE Growth enrolled 22.8 MW or 91.2% of the annual available capacity in 2015 program year**

# 2016 RE Growth Program Year

# First 2016 Open Enrollment Applications

Renewable Energy Class (Nameplate kW)	Annual Enrollment Target (Nameplate kW)	Number of Applications Received	Total Capacity (Nameplate kW)
Medium-Scale Solar (26-250 kW DC)	5,000	0	0
Commercial-Scale Solar (251-999 kW DC)	8,000	3	2,990
Large-Scale Solar (1,000-5,000 kW DC)	11,000	0	0
Wind (1,500-2,999 kW)	9,000	0	0
3,000-5,000 kW; 2-turbine		0	0
3,000-5,000 kW; 3-turbine)		0	0
Anaerobic Digestion (150-500 kW 501-1,000 kW)	1,500	0	0
Small-Scale Hydropower (up to 1,000 kW)		0	0
10-250 kW 251-1,000 kW		0	0
<b>Open Enrollment Total</b>	<b>34,500</b>	<b>3</b>	<b>2,990</b>

**1 Medium-Scale Solar, 1 Large-Scale Solar, and 2 Commercial-Scale Solar projects did not have valid System Impact Studies or Interconnection Service Agreements. Therefore, these projects are ineligible to participate in the RE Growth Program and are not reflected in the chart above.**

# Results for Commercial-Scale Solar (251 – 999 kW DC) Class

Project	Nameplate Capacity (kW DC)	Bid Price (¢/kWh)	Ceiling Price (¢/kWh)	% Below Ceiling Price
A	999	15.50	19.30	-19.7%
B	996	18.44	19.30	-4.5%
C	995	17.80	19.30	-7.8%
	<b>2,990</b>	<b>Total</b> <b>2016 Program Year Nameplate Capacity Target (kW)</b>		
	<b>8,000</b>			

- 3 Applications totaling 2,990 kW DC or approximately 37% of annual target for the Commercial-Scale Solar class of 8 MW
- **Second enrollment period for 2016 now open through 7/29/16**

# Progress on 2016 Small Solar

- In first three months of the program year, 156 applications received under the new tariff rates
- Total of 1,140 kW of capacity approved, despite “bulge” at end of 2015 => on pace to near or exceed 5.5 MW class allocation set by the Board
- As of June 30, 2016:
  - 32 operational, total of 206 kW
  - 122 approved and pending operation, 918 kW
  - 2 cancelled, 15.7 kW

# SolarWise Update

- SolarWise “soft launched” April 1 with full Marketplace functionality and a test group of residential customers
- Paused the program in late April to better customize the savings results from the estimated savings to the individual customer setting, and reduce outlier results
- Residential audit inclusion was relaunched on June 15 to all customers receiving audits if eligible
- From 6/15 to 7/13, RISE conducted 617 audits, and provided in-person delivery of SolarWise to 234 customers, after screening for renters and those with less than 12 months use

# SolarWise Next Steps

- Full roll-out to New Construction market in process, expected complete by mid-September
- Roll out to Small Business segment in planning, and is expected for full roll-out by late September
- Large C&I, including institutional/public, is being discussed directly with active customers, and incorporated into the technical assessment process on customer specific basis
  - More comprehensive materials and guidance for large customers will be developed by late September

# 2016 Legislative Amendments

- The recently approved RI Budget included articles that amend the RE Growth law
- Community Distributed Generation clauses will allow the Board to establish separate classes with distinct prices to allow for sharing of credits from a remote-located DG system, but at bill credit rate excluding distribution
- Shared Solar clauses will allow a single medium or small system to be shared by multiple customers on the same or adjacent parcels, with full bill credits value, but no additional PBI value and within existing classes

# Action Plan for Implementation and 2017 Filing Schedule

- Tariff language and billing changes for implementation of amendments are currently in planning
- Seek to present initial structure and outline of programs to stakeholders via a Public Workshop to be scheduled in mid-August to receive feedback and questions
- Will present to DG Board an overview of the to-be proposed filing at its September meeting incorporating feedback
- File Tariffs and Rules for review on October 1
- File Tariffs and Rules for PUC review and approval on Nov. 15