

RI Renewable Distributed Generation Program



Presentation to RI DG Board
August 19, 2013

Distributed Generation Standard Contracts Act¹

- Requires 10% of the 90 MW Long Term contract capacity be Distributed Generation, inclusive of solar capacity.
- Three Open Enrollments per year for a total of 40 MW nameplate over 4 years
 - By December 30, 2011: 5 MW (nameplate)
 - By December 30, 2012: an aggregate of 20 MW
 - By December 30, 2013: an aggregate of 30 MW
 - By December 30, 2014: an aggregate of 40 MW
- 2011-2012 complete², reached aggregate 15.2 MW total with 15 Standard Contracts

Class	Eligible Sizes	2011 & 2012 Ceiling Price (\$/MWh)
Wind	Up to 1.5 MW	\$ 133.50
Solar – Small	10 – 150 kW DC	\$ 333.50
Solar – Medium	151 – 500 kW DC	\$ 316.00
Solar – Large	501 – 5000 kW DC	\$ 289.50

- 2013-1 Open Enrollment complete, reached additional 3.7 MW with 7 Standard Contracts

¹Effective June 29, 2011, amended July 11, 2013

²RI The RI PUC approved a motion by the RI OER to cancel the third 2012 Open Enrollment and reallocate the remaining 2012 capacity to the 2013 program.

2013 RI DG Program

4,600 kW Total Target each enrollment

Class (Eligible Nameplate)	Enrollment Target Nameplate (kW)	2013 Ceiling Price (cents/kWh)
Wind (50-1500 kW)	1,500	
(50-100 kW)		24.65
(200-999 kW)		16.20
(1,000-1,500 kW)		14.80
Solar (50-100 kW DC)	300	29.95
Solar (101-250 kW DC)	250	28.80
Solar (251-500 kW DC)	750	28.40
Anaerobic Digestion (400-500 kW DC)	500	18.55
Solar/Anaerobic Digestion (501-5000 kW DC)*	1,300	24.95 / 18.55

*Any unused allocation from a specific class shall roll over into the next open enrollments for that same class; with exception to the Small Solar (50 – 100 kW). Any unused allocation from the Small Solar (50 – 100kW) class is to be added to the Large Solar PV/Anaerobic Digestion class in future enrollments.

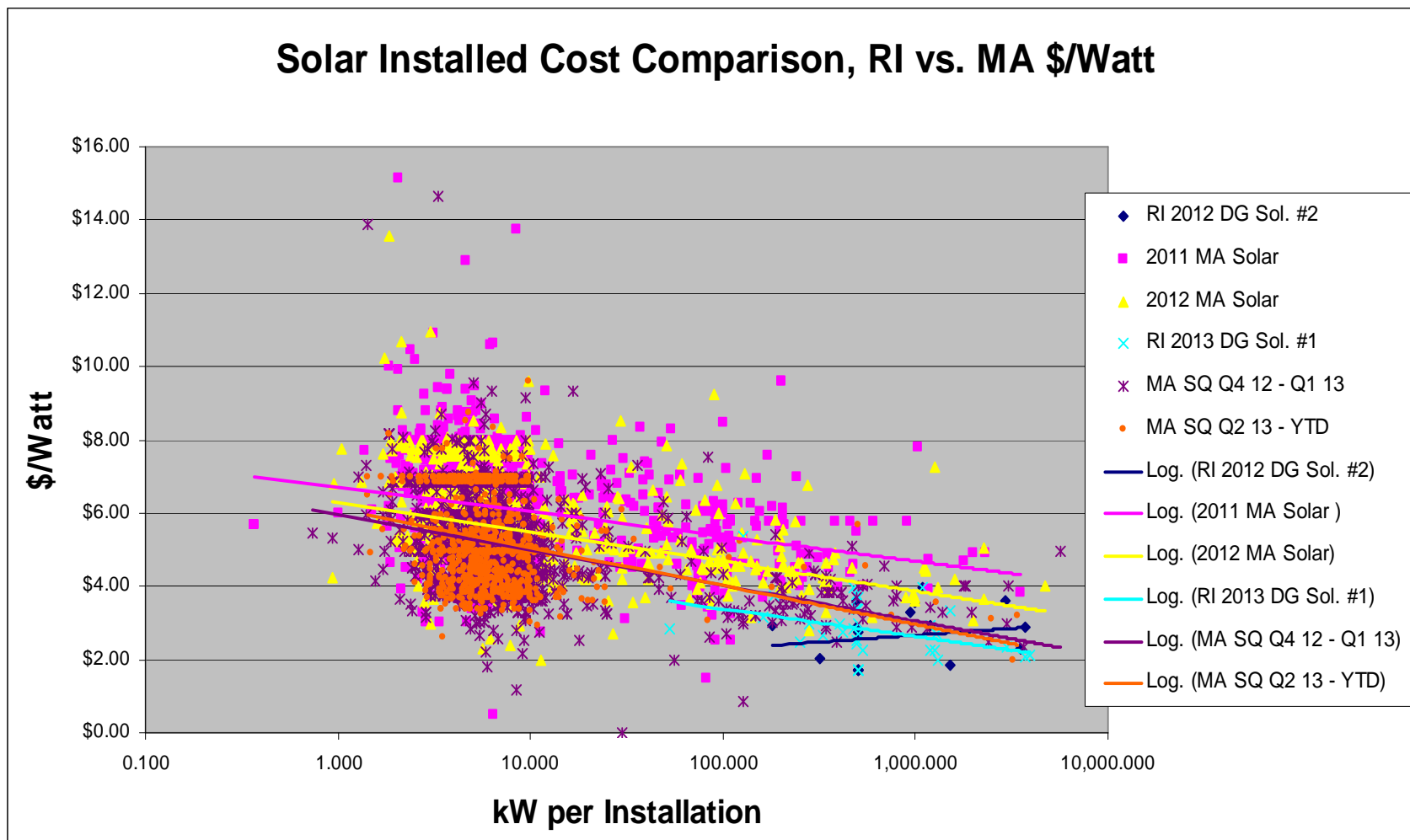
Legislative Amendments to DG Standard Contracts Act

- Act signed into law effective July 11, 2013
- Now requires Small DG Projects to be bid with competitive pricing
 - Benefit to all customers through lower contract pricing
- Maximum size of DG Projects reduced from 5 MW to 3 MW
- Act now includes progress reporting provisions and changes to the generation “output demonstration” provisions

Revised 2nd 2013 RI DG Open Enrollment

- Due to changes in Act the 2nd RI DG Open Enrollment was put on hold
- Revisions to DG Standard Contract Enrollment Applications, Process Rules and DG Standard Contracts filed with RI PUC
- Upon approval by RI PUC, Revised 2nd 2013 RI DG Open Enrollment will be re-opened for those “Small” Project bidders from 2nd OE to update their applications with competitive pricing proposals
- Evaluations of revised proposals and awards to both “Small” and “Large” projects to occur thereafter

RI DG Program installed costs are lower than in MA



Note: The construction cost data used for this chart was provided by projects/applicants in the pre-construction phase and may not represent actual construction costs. This information has not been verified by National Grid and is intended only for discussion purposes.

Standard Contracts

- Commercial Operation – 20 months
 - Interconnection
 - Output Demonstration – 18 months
 - Eligible Renewable Energy Resource
 - ISO-NE and GIS
 - FERC

APPENDIX

2011/2012 RI DG Enrollment Targets and Ceiling Prices

■ With Wind, 5 MW Target

Class	Eligible Sizes (Nameplate)	Enrollment Target Nameplate (kW)	2011/2012 Ceiling Price (cents/kWh)
"Small" Solar	(10-150 kW DC)	500	33.35
"Medium" Solar	(151-500 kW DC)	1,000	31.60
Large Solar	(501-5,000 kW DC)	2,000	28.95
Wind	(1,500 kW)	1,500	13.35

■ Without Wind, 5 MW Target

Class	Eligible Sizes (Nameplate)	Enrollment Target Nameplate (kW)	2011/2012 Ceiling Price (cents/kWh)
"Small" Solar	(10-150 kW DC)	1,000 kW	33.35
"Medium" Solar	(151-500 kW DC)	1,500	31.60
Large Solar	(501-5,000 kW DC)	2,500	28.95

*DGSC Act defines Small Solar projects as projects less than 500 kW nameplate.

Progress to-date

- 2011 Program Year - By December 30, 2011: a minimum of 5 MW nameplate

- 2011 Open Enrollment - Reached 5 MW Target with 4 projects:

Class	Project Nameplate (kW)	Contract Price (cents/kWh)
Medium Solar (151-500 kW DC)	500	31.60
Large Solar (501-5,000 kW DC)	1,000	26.50
Large Solar (501-5,000 kW DC)	2,000	27.50
Wind (1,500 kW)	1,500	13.35

- 2012 Program Year

- 5 MW (or 5,000 kW) per enrollment

- First 2012 Open Enrollment - Reached 5 MW Target with 2 projects, for a total of 6,050 kW:

Class	Project Nameplate (kW)	Contract Price (cents/kWh)
Large Solar (501-5,000 kW DC)	2,340	23.699
Large Solar (501-5,000 kW DC)	3,710	23.90

Progress to-date

- Second 2012 Open Enrollment - Reached target with 10 projects, for a total of 5,127 kW

Class	Nameplate (kW)	Contract Price (cents/kWh)
Small Solar (10-150 kW DC)	149	33.35
Medium Solar (151-500 kW DC)	181	31.60
Medium Solar (151-500 kW DC)	300	31.60
Medium Solar (151-500 kW DC)	498	31.60
Medium Solar (151-500 kW DC)	499	31.60
Medium Solar (151-500 kW DC)	500	31.60
Medium Solar (151-500 kW DC)	500	31.60
Medium Solar (151-500 kW DC)	500	31.60
Medium Solar (151-500 kW DC)	500	31.60
Large Solar (501-5,000 kW DC)	1,500	20.90

Progress to-date

- First 2013 Open Enrollment – Executed Contracts on 7 projects, for a total of 3,684 kW

Class	Nameplate (kW)	Contract Price (cents/kWh)
Wind (1,000-1,500 kW DC)	1,500	14.80
Small Solar (50-150 kW DC)	53	29.95
Small Solar (50-150 kW DC)	128	28.80
Medium Solar (151-500 kW DC)	182	28.80
Medium Solar (151-500 kW DC)	331	28.40
Medium Solar (151-500 kW DC)	406	28.40
Large Solar (501-5000 kW DC)	1,084	18.49
Total:	3,684	

RI DG Standard Contracts

RI DG Standard Contracts	Nameplate Capacity (kW)	Contract Price (cents/kWh)
2011 RIDG - CED, Plain Meeting House Power	2,000	27.50
2011 RIDG - ACP Land, 28 Jacome Way	500	31.60
2011 RIDG - Wind Energy Development, North Kingstown Green	1,500	13.35
2012-1 RIDG - Forbes Street Solar	3,700	23.90
2012-1 RIDG - West Davisville Solar, 338 Compass Circle	2,300	23.70
2012-2 RIDG - Soltas 100 Dupont	1,500	20.90
2012-2 RIDG - Altus Comtram Cable Plant	499	31.60
2012-2 RIDG - CoxCom CCI NE 181 kW	181	31.60
2012-2 RIDG - Soltas 0 Martin	500	31.60
2012-2 RIDG - Soltas 225 Dupont	300	31.60
2012-2 RIDG - Soltas 45 Bank	500	31.60
2012-2 RIDG - Soltas 35 Martin	500	31.60
2012-2 RIDG - Soltas 87 Woodville Alton	500	31.60
2012-2 RIDG - CoxCom CCI NE 500 kW	498	31.60
2012-2 RIDG - Venti Wind Bonollo's Solar	149	33.35
2013-1 RIDG - WED Coventry One	1,500	14.80
2013-1 RIDG - Brickle Group Solar	1,084	18.49
2013-1 RIDG - Gannon & Scott Solar	406	28.40
2013-1 RIDG - All American Foods	331	28.40
2013-1 RIDG - TEAM Solar	182	28.80
2013-1 RIDG - CMS Solar	128	28.80
2013-1 RIDG - Newport Vineyards Solar	53	29.95

Total: 18,811