

---

# NJ Solar Market Update As of 1/31/16

Prepared by Charlie Garrison  
February 16, 2016

# SOLAR INSTALLED CAPACITY DATA



- The revised installed solar capacity as of 12/31/15 is approximately 1,604 MW.
  - Approximately 36.9 MW reported as installed in December.
  - 42,288 solar installations
  - The revised values resulted from a review of the backlog of final as-built submittals that were data entered after the original report cut-off date.
- The solar project pipeline capacity as of 12/31/15 is approximately 402 MW.
  - 10,549 projects in solar pipeline

# SOLAR INSTALLED CAPACITY DATA



- The 2015 Year to date installed capacity was 69.7% of the 2014 YTD value (172.4 MW vs. 247.4 MW in 2014 ).
- A comparison of the solar capacity added in the two most recently completed quarters is as follows:
  - Q3 2015 = 45.5 MW                      Q4 2015 = 58 MW
  - Percent change: Increase of approximately 27%
- The solar capacity installed in New Jersey as of 12/31/15 is estimated to meet the equivalent annual electricity needs for over 229,170 New Jersey homes.

For program reporting purposes, projects have achieved the "Installed" designation when the Final as-built documents are received and accepted by the Market Manager (noted as QC or QA Selected status in the project list).

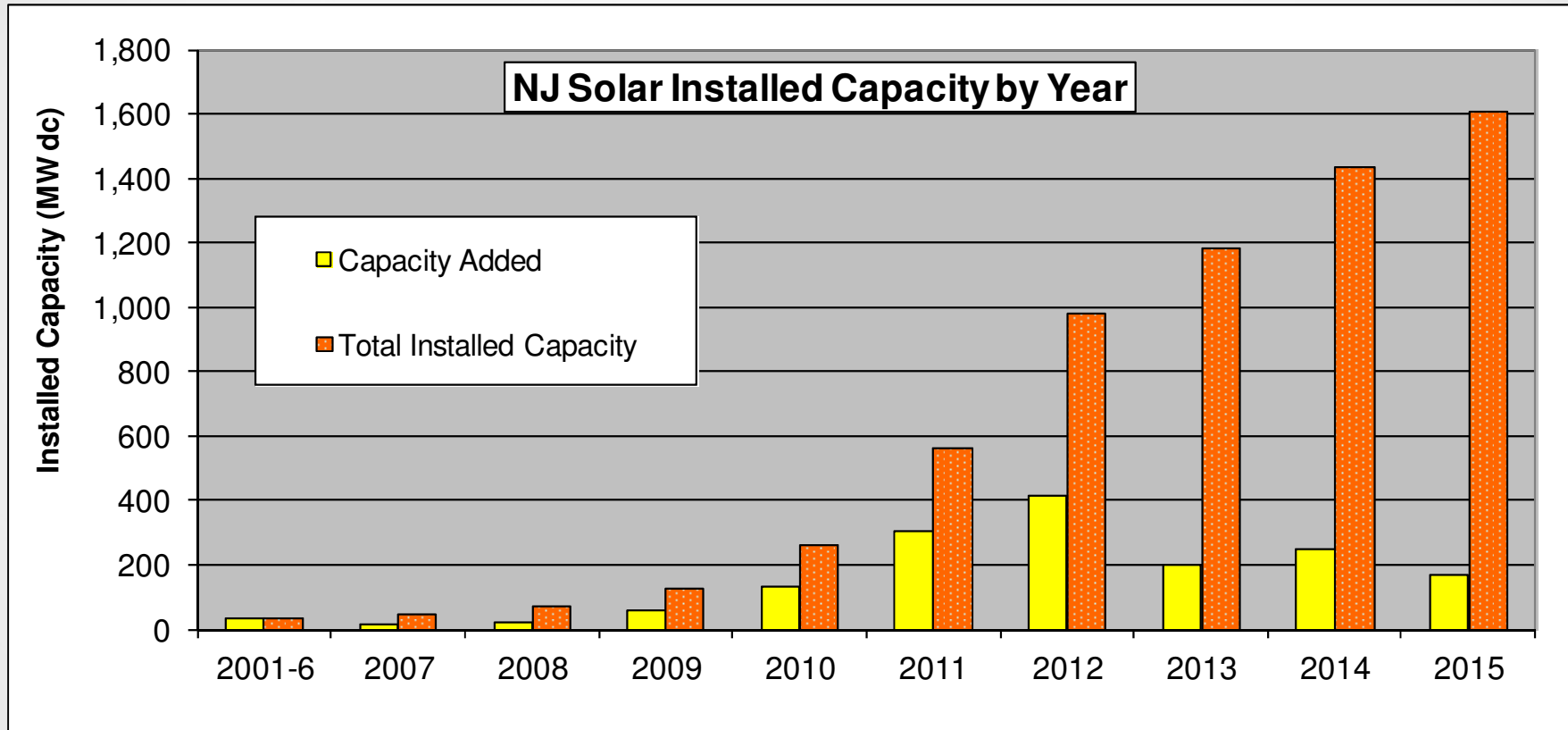
# NEW JERSEY SOLAR INSTALLATIONS BY YEAR AS OF 12/31/15



## New Jersey Solar Installations by Year As of 12/31/15

Year	# Projects	Total kW	Total Rebate \$
2001-06	2,020	31,987.3	\$ 142,689,908
2007	693	15,255.1	\$ 58,122,386
2008	833	22,711.3	\$ 44,923,416
2009	1,349	57,254.3	\$ 56,017,442
2010	3,131	132,378.7	\$ 45,961,190
2011	5,397	305,199.0	\$ 13,383,747
2012	5,902	417,327.4	\$ 2,389,758
2013	6,538	202,227.6	\$ 4,691
2014	6,520	247,423.9	\$ -
2015	9,905	172,416.3	\$ -
<b>Total</b>	<b>42,288</b>	<b>1,604,180.7</b>	<b>\$ 363,492,538</b>

# NEW JERSEY SOLAR INSTALLATIONS BY YEAR AS OF 12/31/15

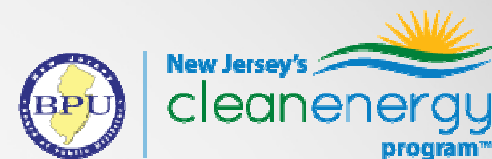


# NJCEP DIRECT GRID SUPPLY SOLAR PROJECT SUMMARY



<b>NJCEP Direct Grid Supply Solar Installed Projects As Of 12/31/15</b>			
<b>Description</b>	<b>Project Qty</b>	<b>Total Capacity (KW dc)</b>	<b>Percent of Capacity</b>
EDC Projects	76	78,465.1	22.3%
Subsection q	16	90,229.5	25.7%
Subsection r	-	-	0.0%
Subsection s	3	12,687.7	3.6%
Subsection t	4	47,300.7	13.5%
Other	33	122,525.7	34.9%
<b>Installed Totals</b>	<b>132</b>	<b>351,208.7</b>	<b>100.0%</b>

# NJCEP DIRECT GRID SUPPLY SOLAR PROJECT SUMMARY



## NJCEP Direct Grid Supply Solar Project Pipeline As Of 12/31/15

Description	Project Qty	Total Capacity (KW dc)	Percent of Capacity
EDC Projects	1	882.3	0.3%
Subsection q	18	123,388.8	47.7%
Subsection r	-	-	0.0%
Subsection s	5	41,900.0	16.2%
Subsection t	6	58,143.3	22.5%
Other	3	34,523.2	13.3%
<b>Pipeline Totals</b>	<b>33</b>	<b>258,837.6</b>	<b>100.0%</b>

# NJCEP DIRECT GRID SUPPLY SOLAR PROJECT SUMMARY



## NJCEP Subsection q Project Summary By Energy Year As Of 12/31/15

	Subsection q Installed Projects		Subsection q Project Pipeline		Subsection q Installed Projects Plus Pipeline Projects	
Energy Year	Project Qty	Total Capacity (KW dc)	Project Qty	Total Capacity (KW dc)	Project Qty	Total Capacity (KW dc)
EY14	11	61,831.3	2	10,160.0	13	71,991.3
EY15	3	16,398.4	9	63,422.8	12	79,821.2
EY16	2	11,999.8	7	49,806.0	9	61,805.8
<b>Totals</b>	<b>16</b>	<b>90,229.5</b>	<b>18</b>	<b>123,388.8</b>	<b>34</b>	<b>213,618.3</b>





---

# NJCEP PROGRAM DATA AS OF 1/31/16

# SOLAR INSTALLED CAPACITY DATA



- The preliminary installed solar capacity as of 1/31/16 is approximately 1,624 MW.
  - Approximately 19.8 MW reported as installed in January.
  - 43,054 solar installations
- The preliminary solar project pipeline capacity as of 1/31/16 is approximately 394.8 MW.
  - 10,826 projects in solar pipeline

# NJCEP SOLAR INSTALLED PROJECTS PLUS PIPELINE HISTORY AS OF 1/31/16



<b>As Of</b>	<b>MW Installed</b>	<b>MW Pipeline</b>	<b>Combined MW</b>
7/31/2014	1,336.8	358.3	1,695.1
8/31/2014	1,344.6	361.5	1,706.1
9/30/2014	1,354.0	359.2	1,713.3
10/31/2014	1,365.7	377.1	1,742.8
11/30/2014	1,373.4	391.9	1,765.3
12/31/2014	1,431.9	351.9	1,783.9
1/31/2015	1,438.9	355.8	1,794.6
2/28/2015	1,456.6	349.8	1,806.4
3/31/2015	1,469.7	395.8	1,865.5
4/30/2015	1,478.8	389.1	1,867.9
5/31/2015	1,486.3	406.3	1,892.6
6/30/2015	1,500.7	402.9	1,903.6
7/31/2015	1,513.7	409.1	1,922.8
8/31/2015	1,534.4	412.7	1,947.1
9/30/2015	1,546.2	430.3	1,976.5
10/31/2015	1,556.7	428.3	1,985.0
11/30/2015	1,567.2	433.2	2,000.5
12/31/2015	1,604.2	402.0	2,006.2
1/31/2016	1,624.0	394.8	2,018.7

Preliminary values for 1/31/16

# NJCEP SOLAR INSTALLED PROJECTS PLUS PIPELINE PROJECTS SUMMARY



## Preliminary Values As of 1/31/16

### Installed Solar Projects

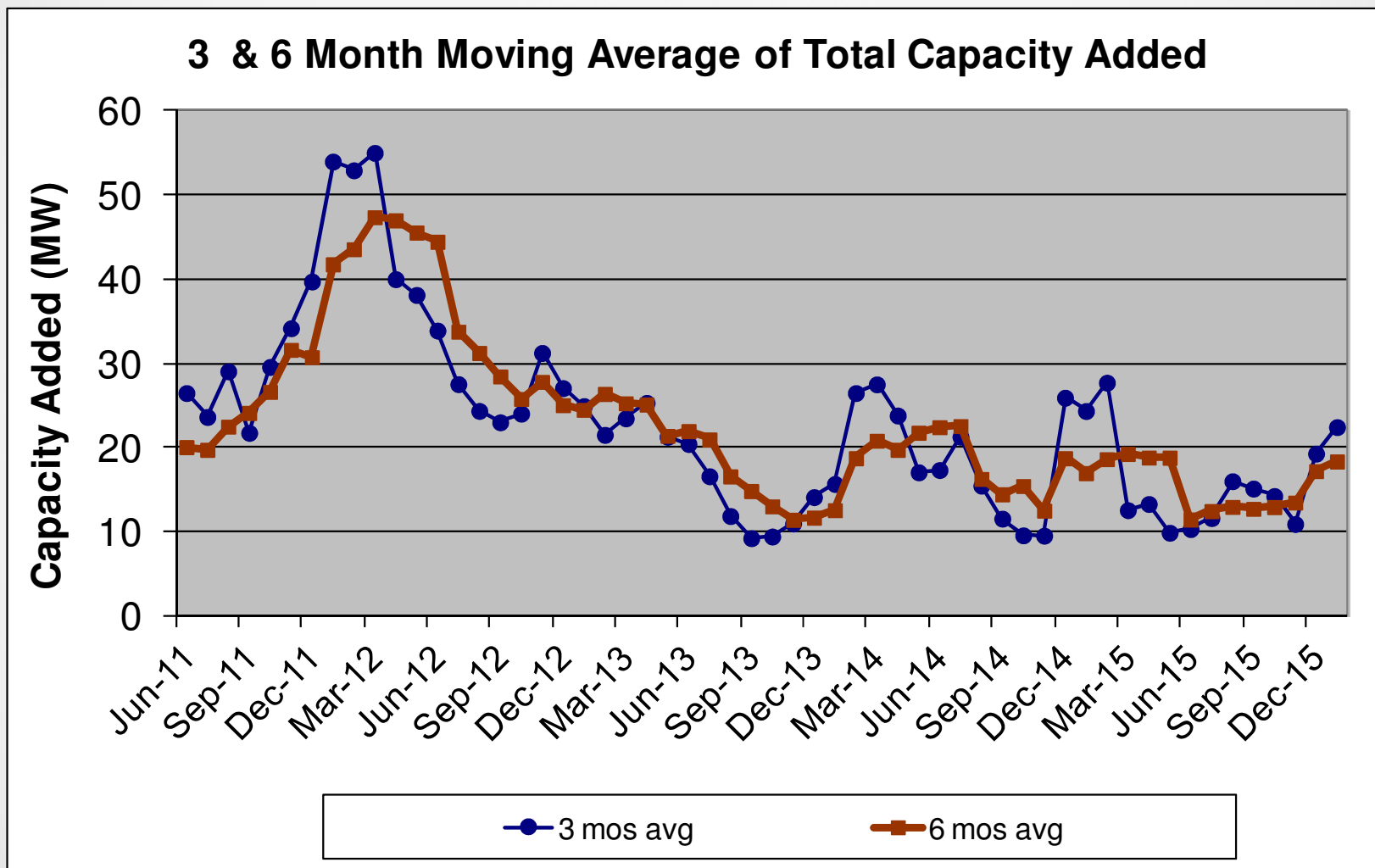
Interconnection Type	Project Qty	Total Capacity (KW DC)	Percent of Capacity	Avg System Size (kW DC)
Behind the meter	42,920	1,258,934.4	77.5%	29.3
Direct Grid Supply	134	365,055.6	22.5%	2,724.3
<b>Installed Totals</b>	<b>43,054</b>	<b>1,623,990.0</b>	<b>100.0%</b>	<b>37.7</b>

### Solar Project Pipeline

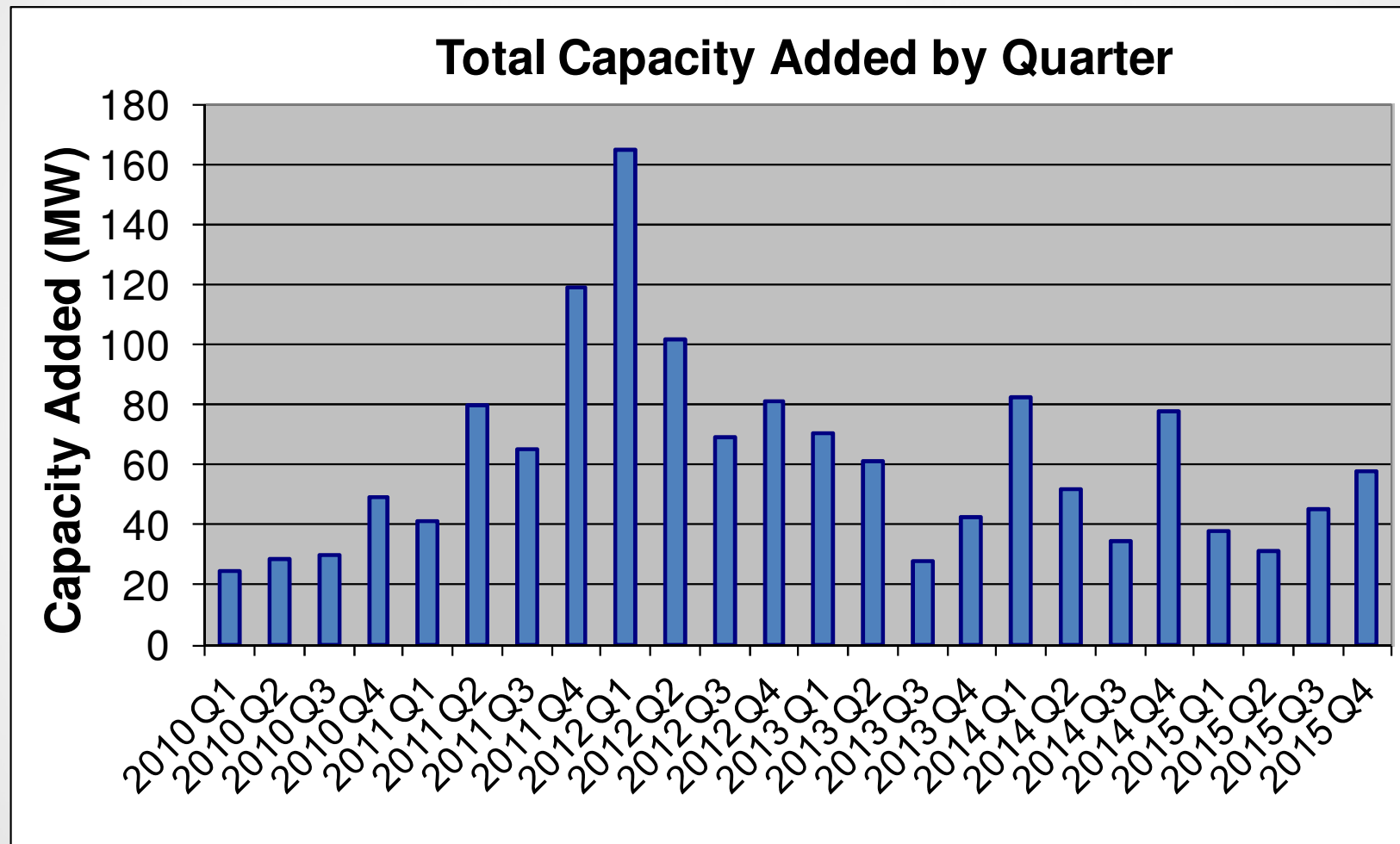
Interconnection Type	Project Qty	Total Capacity (KW DC)	Percent of Capacity	Avg System Size (kW DC)
Behind the meter	10,794	150,334.5	38.1%	13.9
Direct Grid Supply	32	244,411.3	61.9%	7,637.9
<b>Pipeline Totals</b>	<b>10,826</b>	<b>394,745.8</b>	<b>100.0%</b>	<b>36.5</b>

<b>Totals For All Projects</b>	<b>53,880</b>	<b>2,018,735.8</b>		<b>37.5</b>
--------------------------------	---------------	--------------------	--	-------------

# NEW JERSEY SOLAR INSTALLATIONS MOVING AVERAGE AS OF 1/31/16



# NEW JERSEY SOLAR INSTALLATIONS CAPACITY ADDED BY QUARTER



# SREC TRADING STATISTICS ENERGY YEAR 2016

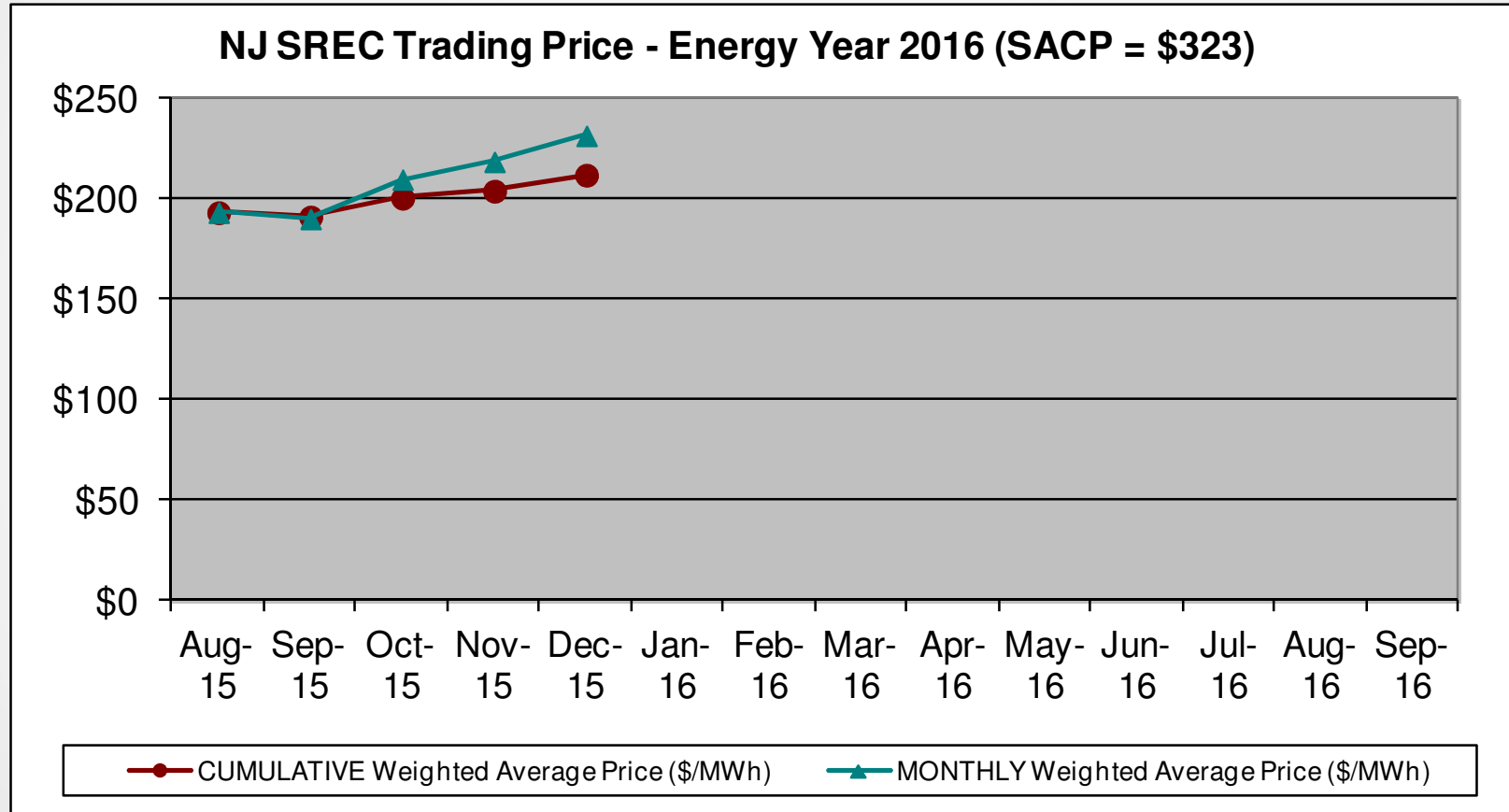


## Current SREC Trading Statistics Energy Year 2016

For SRECs created from electricity produced during Energy Year 2016, June 1, 2015 – May 31, 2016, or during Energy Years 2013, 2014 or 2015. SRECs eligible for use in NJ's RPS have vintage established by the Solar Act of 2012 but may only be retired once.

EY 2016 SACP= \$323			SREC Quantity		Monthly		Cumulative	
Month	Year	Active kW DC	Issued in Month	Traded in Month	High (\$/MWh)	Low (\$/MWh)	# of SRECs Traded	Weighted Avg Price (\$/MWh)
Dec	2015	1,507,842	106,866	306,713	\$ 487	\$ 70	1,064,012	\$211.88
Nov	2015	1,482,003	141,713	145,921	\$ 485	\$ 100	757,299	\$203.95
Oct	2015	1,470,877	158,205	310,438	\$ 488	\$ 70	611,378	\$200.49
Sept	2015	1,454,225	202,528	208,071	\$ 480	\$ 70	300,940	\$191.06
Aug	2015	1,442,798	185,530	92,869	\$ 480	\$ 50	92,869	\$193.25
July	2015	1,436,386	153,510		Due to low trade volume, the July trades are reported with the pricing data for the previous Energy Year.			
	<b>Total</b>		<b>948,352</b>	<b>1,064,012</b>				

# SREC TRADING STATISTICS ENERGY YEAR 2016





---

For More Information  
Visit [NJCleanEnergy.com](http://NJCleanEnergy.com)  
Call (866) NJSMART

### New Jersey Clean Energy Program Renewable Energy Reports

- Installation Summary by Technology  
<http://www.njcleanenergy.com/projectreports>
- Program Status Reports <http://www.njcleanenergy.com/statusreports>
- NJ SREC Trading Statistics for each Energy Year  
<http://www.njcleanenergy.com/srecpricing>

For the latest updates on program announcements or new incentives, subscribe to the NJ Clean Energy Program **E-Newsletter** at: [NJCleanEnergy.com](http://NJCleanEnergy.com).