



# **NJ Solar Market Update**

**Prepared by Charlie Garrison  
September 18, 2014**



## Solar Installed Capacity Data

- The preliminary installed solar capacity as of 8/31/14 is approximately 1,344.6 MW.
  - Approximately 7.8 MW reported as installed in August.
- The preliminary solar capacity project pipeline as of 8/31/14 is approximately 361.5 MW.

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).



## Solar Installed Capacity Data

- The 2014 Year to date installed capacity is approximately 105% of the 2013 YTD value for the same period.
- A comparison of the solar capacity added in the two most recently completed quarters is as follows:
  - Q1 2014 = 82.6 MW    Q2 2014 = 52.1 MW
  - Percent change: Decrease of approximately 37%
- The 25.4 MW of capacity added thus far in Q3 is 51% of the capacity added in Q2.



# NJCEP Solar Installed Projects Plus Pipeline History

<b>NJCEP Solar Installed Projects Plus Pipeline History as of 8/31/14</b>			
<b>As Of</b>	<b>MW Installed</b>	<b>MW Pipeline</b>	<b>Combined MW</b>
4/30/2013	1,075.9	660.2	1,736.1
5/31/2013	1,098.5	656.9	1,755.4
6/30/2013	1,114.3	562.5	1,676.8
7/31/2013	1,125.8	516.9	1,642.7
8/31/2013	1,134.3	357.1	1,491.4
9/30/2013	1,142.3	354.4	1,496.7
10/31/2013	1,155.4	357.4	1,512.8
11/30/2013	1,168.1	346.3	1,514.4
12/31/2013	1,184.5	338.0	1,522.5
1/31/2014	1,201.4	323.5	1,524.9
2/28/2014	1,245.5	284.7	1,530.2
3/31/2014	1,267.1	224.8	1,491.9
4/30/2014	1,272.9	357.2	1,630.1
5/31/2014	1,298.1	352.9	1,651.0
6/30/2014	1,319.2	345.7	1,664.9
7/31/2014	1,336.8	358.3	1,695.1
8/31/2014	1,344.6	361.5	1,706.1

Preliminary values for 8/31/14



# NJCEP Solar Installed Projects Plus Pipeline Projects Summary

**Preliminary Values As of 8/31/14**

## Installed Solar Projects

Interconnection Type	Project Qty	Total Capacity (KW DC)	Percent of Capacity	Avg System Size (kW DC)
Behind the meter	29,839	1,078,614.9	80.2%	36.1
Direct Grid Supply	119	266,054.1	19.8%	2,235.7
<b>Installed Totals</b>	<b>29,958</b>	<b>1,344,669.0</b>	<b>100.0%</b>	<b>44.9</b>

## Solar Project Pipeline

Interconnection Type	Project Qty	Total Capacity (KW DC)	Percent of Capacity	Avg System Size (kW DC)
Behind the meter	4,666	78,133.8	21.6%	16.7
Direct Grid Supply	38	283,328.7	78.4%	7,456.0
<b>Pipeline Totals</b>	<b>4,704</b>	<b>361,462.5</b>	<b>100.0%</b>	<b>76.8</b>

<b>Totals For All Projects</b>	<b>34,662</b>	<b>1,706,131.5</b>		<b>49.2</b>
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# NJCEP Direct Grid Supply Solar Project Summary

<b>NJCEP Direct Grid Supply Solar Installed Projects As Of 08/31/14</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	29.5%
Subsection q	6	32,495.0	12.2%
Subsection r	-	-	0.0%
Subsection s	3	12,687.7	4.8%
Subsection t	1	19,880.6	7.5%
Other	33	122,525.7	46.1%
<b>Installed Totals</b>	<b>119</b>	<b>266,054.1</b>	<b>100.0%</b>



# NJCEP Direct Grid Supply Solar Project Summary

<b>NJCEP Direct Grid Supply Solar Project Pipeline As Of 08/31/14</b>			
<b>Description</b>	<b>Project Qty</b>	<b>Total Capacity (KW dc)</b>	<b>Percent of Capacity</b>
EDC Projects	-	-	0.0%
Subsection q	29	198,747.0	70.2%
Subsection r	-	-	0.0%
Subsection s	-	-	0.0%
Subsection t	5	41,480.0	14.6%
Other	4	43,101.7	15.2%
<b>Pipeline Totals</b>	<b>38</b>	<b>283,328.7</b>	<b>100.0%</b>



# NJCEP Direct Grid Supply Solar Project Summary

**NJCEP Subsection q Project Summary By Energy Year As Of 08/31/14**

Energy Year	Subsection q Installed Projects		Subsection q Project Pipeline		Subsection q Installed Projects Plus Pipeline Projects	
	Project Qty	Total Capacity (KW dc)	Project Qty	Total Capacity (KW dc)	Project Qty	Total Capacity (KW dc)
EY14	5	24,049.5	9	55,880.0	14	79,929.5
EY15	1	8,445.6	10	71,061.0	11	79,506.6
EY16	-	-	10	71,806.0	10	71,806.0
<b>Totals</b>	<b>6</b>	<b>32,495.0</b>	<b>29</b>	<b>198,747.0</b>	<b>35</b>	<b>231,242.0</b>

Note: The above table provides the SRP project status as of the report date. This information is a snapshot of the program activity as of the report date. Changes to the project status or system size that may be under various stages of review are not reported here until the changes are accepted and the information is entered into the SRP Program database.





# Summary of TPO Use For NJCEP Installed Solar Projects

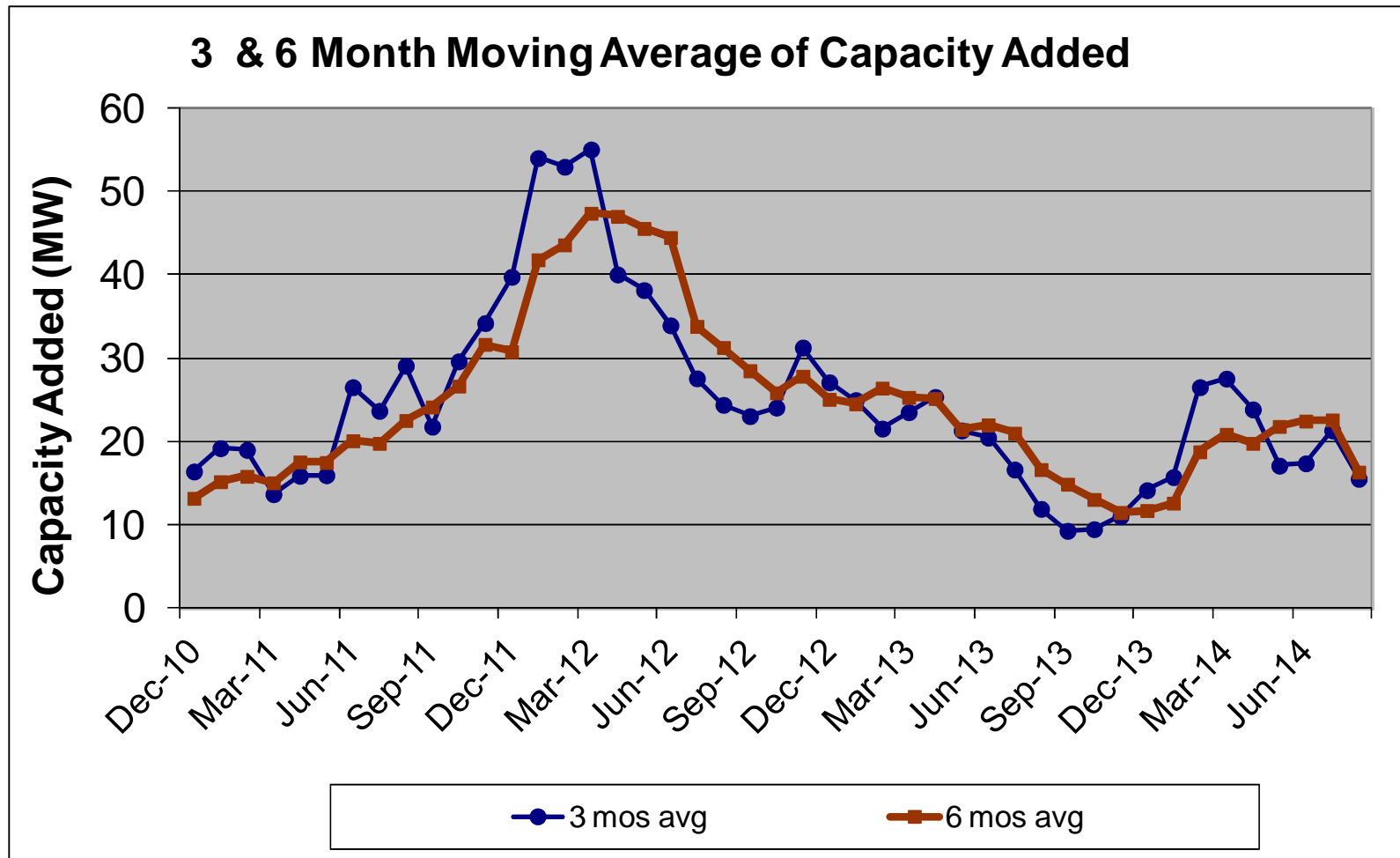
Summary of TPO Use For NJCEP Installed Solar Projects				
All Behind the Meter Installed Projects As of 08/31/14				
TPO Code	Description	Project Qty	Total Capacity (KW dc)	Percent of Capacity
0	Did Not use TPO	4,602	203,684	25.7%
1	Used TPO	16,456	589,962	74.3%
	<b>Totals</b>	<b>21,058</b>	<b>793,646</b>	<b>100%</b>
Blank	Unknown	8,781	284,969	

Residential Behind the Meter Installed Projects As of 08/31/14				
TPO Code	Description	Project Qty	Total Capacity (KW dc)	Percent of Capacity
0	Did Not use TPO	3,459	31,650	20.9%
1	Used TPO	14,929	119,532	79.1%
	<b>Totals</b>	<b>18,388</b>	<b>151,182</b>	<b>100%</b>
Blank	Unknown	6,906	52,947	

Note 1: The above tables provide a summary of responses regarding the use of Third Party Ownership (TPO) as reported on the SRP Registration form by the registrant. The quantities for the projects that are listed as "Unknown" are provided as a reference but are not included in the Totals or the Percent of Capacity calculation.

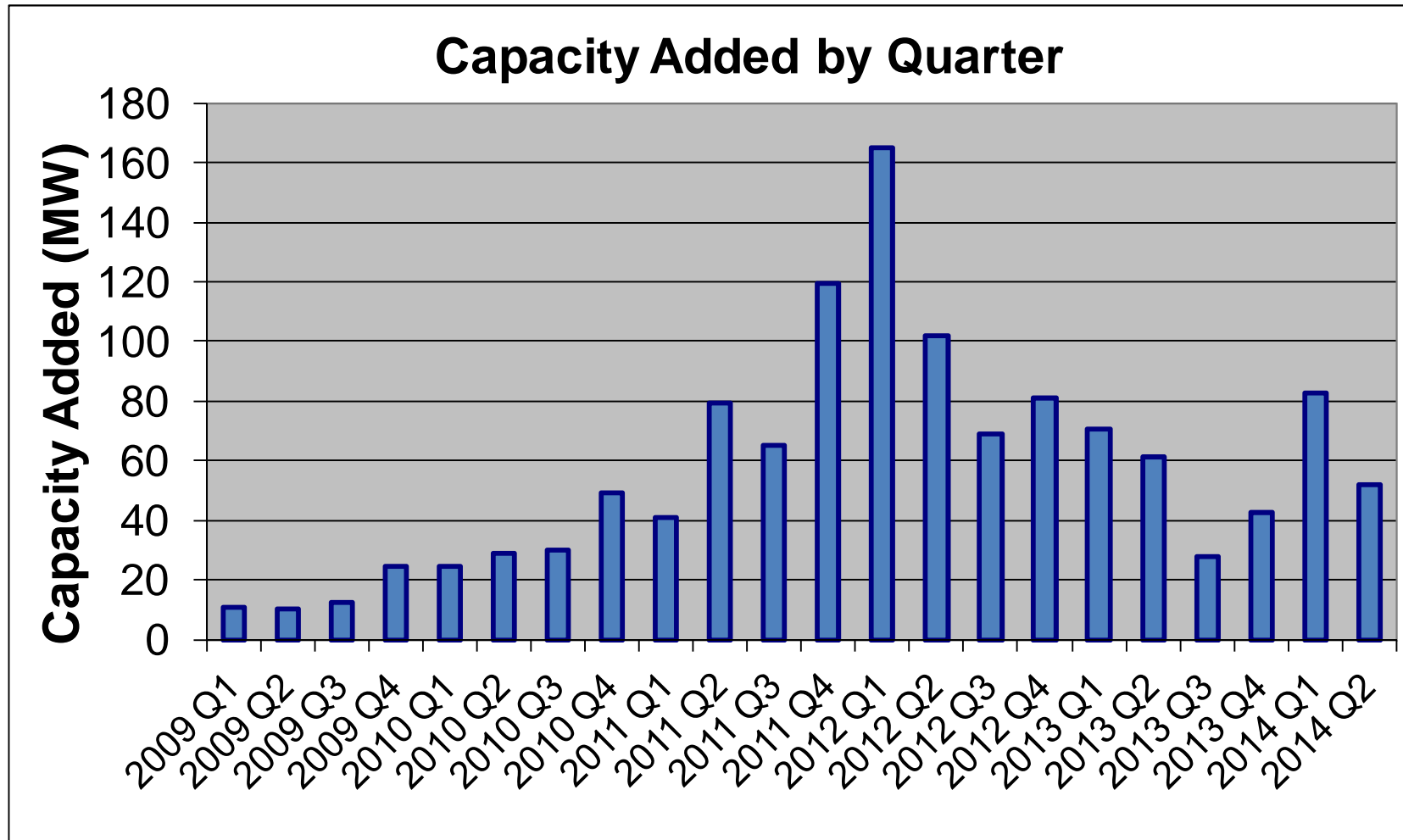


# Solar Installed Capacity All Projects



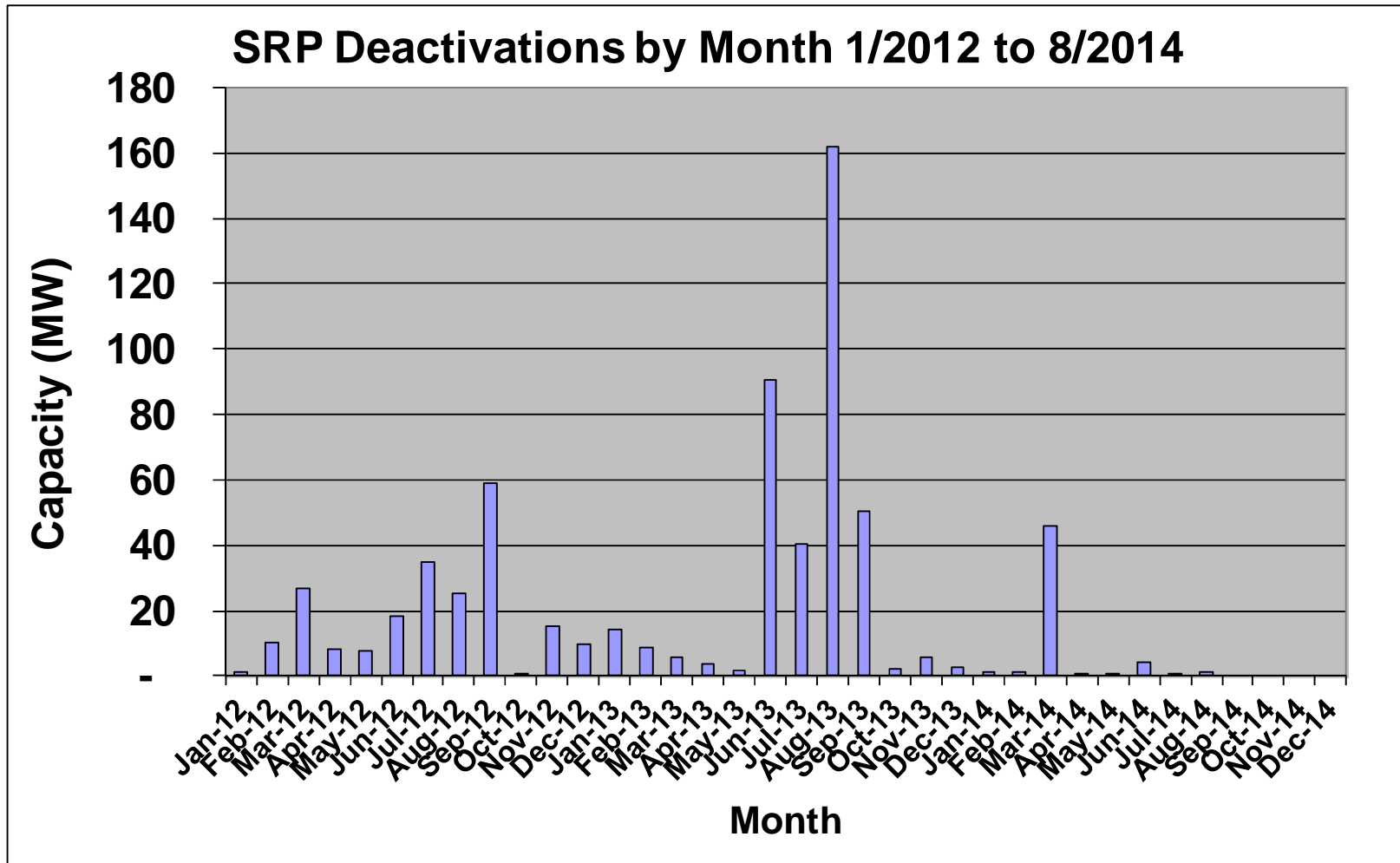


# Solar Installed Capacity Added By Quarter





# SRP Deactivations by Month



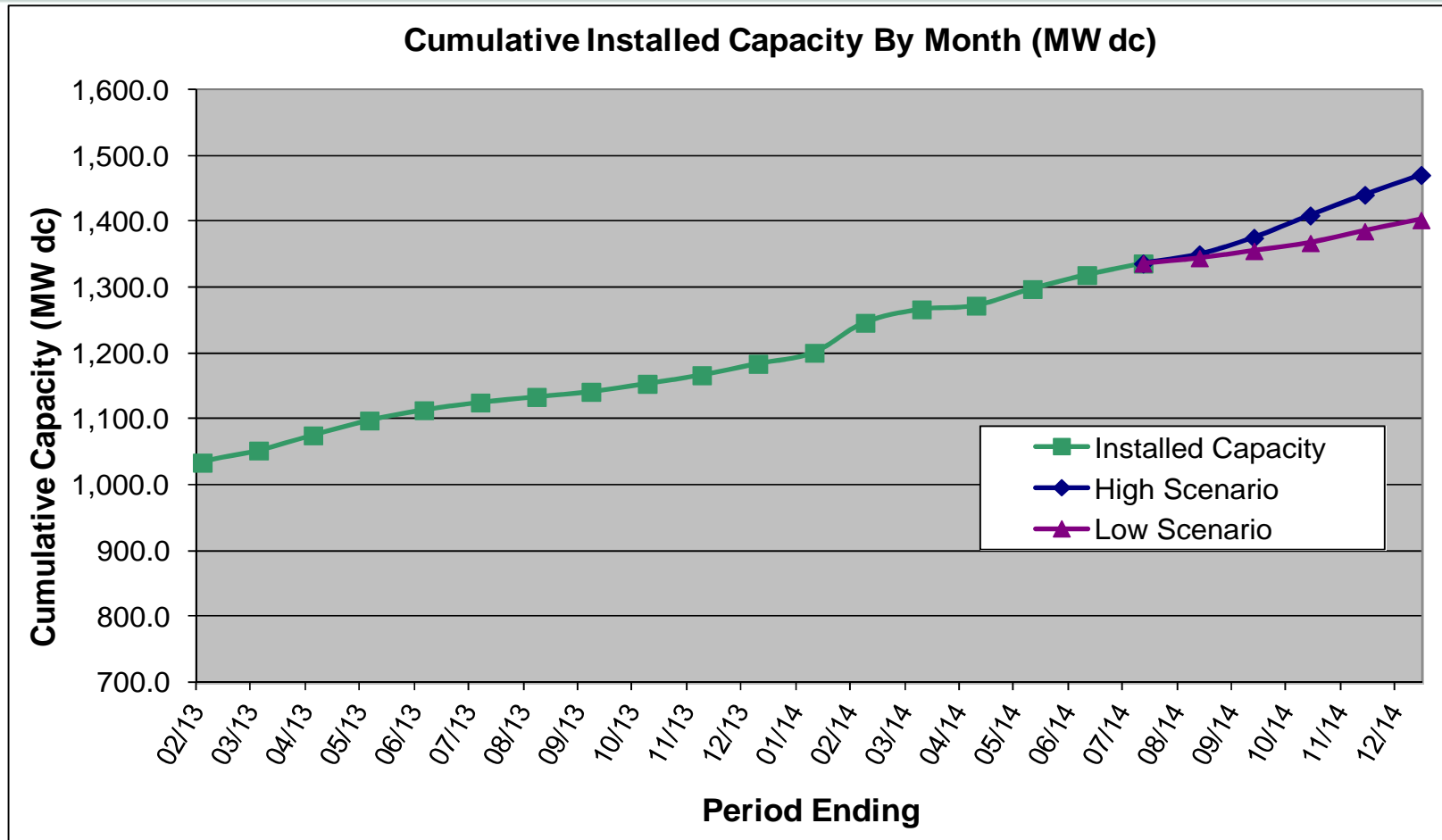


# SRP Deactivations by Month

SRP Deactivations by Month as of 8/31/14		
Month End	Project Qty	Capacity (kW)
Jan-13	115	14,110
Feb-13	120	8,675
Mar-13	137	5,550
Apr-13	69	3,930
May-13	105	1,532
Jun-13	92	90,673
Jul-13	94	40,494
Aug-13	128	162,138
Sep-13	78	50,646
Oct-13	102	2,236
Nov-13	125	5,537
Dec-13	128	2,728
Jan-14	120	1,008
Feb-14	97	1,136
Mar-14	106	46,159
Apr-14	113	912
May-14	99	780
Jun-14	76	4,030
Jul-14	78	778
Aug-14	114	993
Totals	1,904	442,272



# 2014 Installed Capacity Low and High Scenarios



**Low Scenario 1,402 MW, High Scenario 1,473 MW**

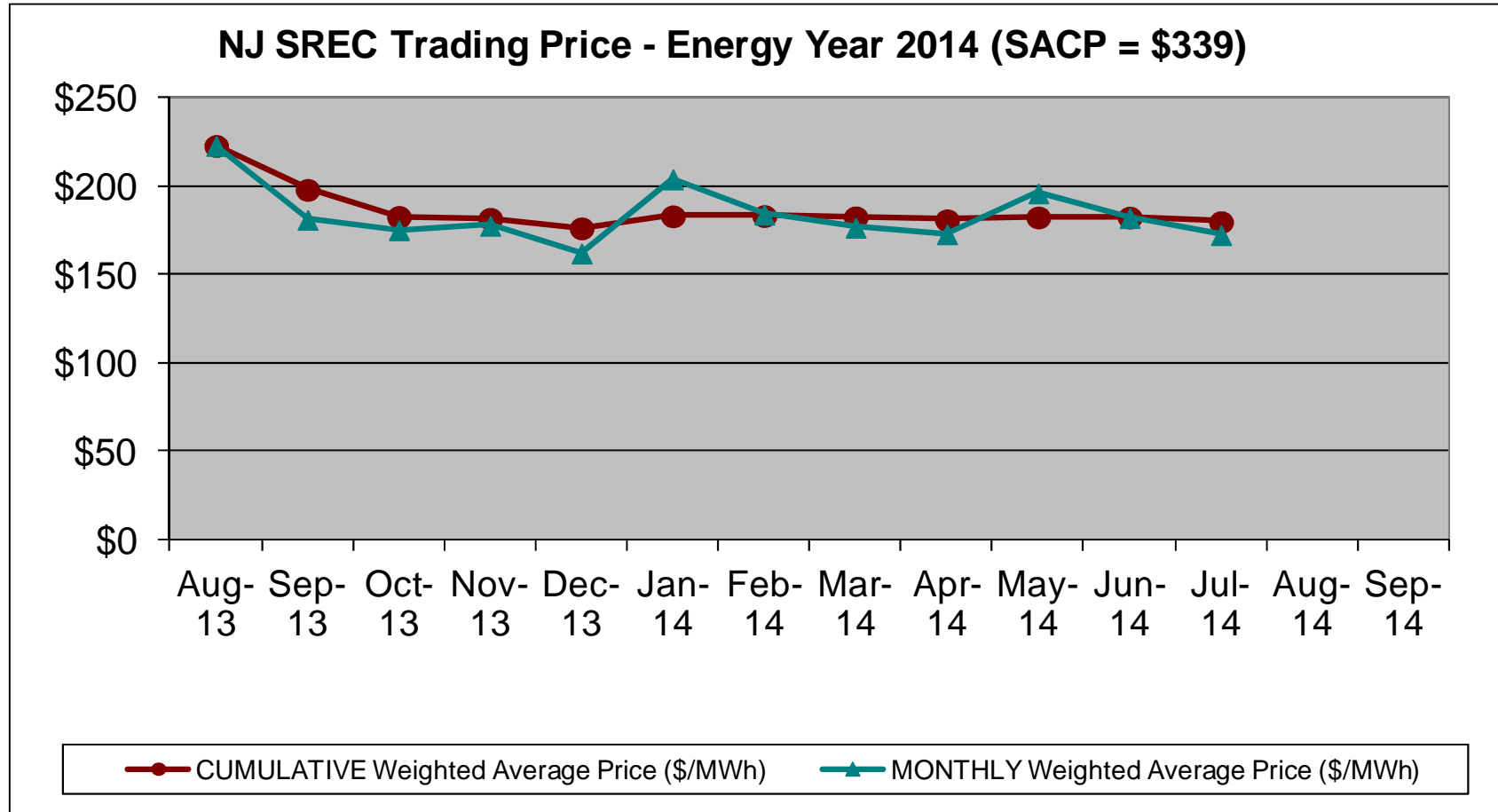


# Current SREC Trading Statistics Energy Year 2014

EY 2014 SACP= \$339			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)
July	2014	1,310,592	29,784	555,764	\$ 600	\$ 40	2,125,522	\$179.96
June	2014	1,272,945	164,586	366,414	\$ 510	\$ 63	1,569,758	\$182.55
May	2014	1,253,664	158,618	127,996	\$ 620	\$ 70	1,203,344	\$182.62
Apr	2014	1,244,225	116,395	188,295	\$ 590	\$ 60	1,075,348	\$181.01
Mar	2014	1,231,702	63,782	94,457	\$ 524	\$ 70	887,053	\$182.69
Feb	2014	1,192,215	55,162	99,400	\$ 524	\$ 70	792,596	\$183.39
Jan	2014	1,179,274	52,207	170,466	\$ 610	\$ 70	693,196	\$183.26
Dec	2013	1,132,176	103,455	143,767	\$ 590	\$ 40	522,730	\$176.45
Nov	2013	1,118,625	91,969	77,064	\$ 510	\$ 70	378,963	\$181.86
Oct	2013	1,113,125	132,960	201,965	\$ 641	\$ 50	301,899	\$182.89
Sept	2013	1,102,916	126,470	59,396	\$ 545	\$ 50	99,934	\$198.19
Aug	2013	1,096,440	121,102	36,469	\$ 545	\$ 50	40,538	\$223.03
July	2013	1,082,498	120,692	4,069	Due to low trade volume, the July trades are reported with the pricing data for August.			
	<b>Total</b>		<b>1,337,182</b>	<b>2,125,522</b>				



# Current SREC Trading Statistics Energy Year 2014







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