



Initiation of a Proceeding to Investigate Approaches to Mitigate Solar Development Volatility pursuant to N.J.S.A. 48:3-87(d)(3)(a)

**Prepared by Charlie Garrison
May 14, 2013
Renewable Energy Meeting
Trenton, NJ**



Solar Installed Capacity Data

- The installed solar capacity as of 4/30/13 is approximately 1,049 MW.
 - Approximately 23 MW installed in current month.
- The preliminary solar capacity project pipeline as of 4/30/13 is approximately 687 MW.
 - The project pipeline decreased approximately 15 MW in the current month.



NJCEP Solar Installed Projects Plus Pipeline Projects

NJCEP Solar Installed Projects Plus Pipeline Projects

Preliminary Values As of 4/30/13

Installed Solar Projects

Interconnection Type	Project Qty	Total Capacity (KW DC)	Percent of Capacity	Avg System Size (kW DC)
Behind the meter	21,390	853,795.7	81.4%	39.9
Direct Grid Supply	95	195,346.6	18.6%	2,056.3
Installed Totals	21,485	1,049,142.4	100.0%	48.8

Solar Project Pipeline

Interconnection Type	Project Qty	Total Capacity (KW DC)	Percent of Capacity	Avg System Size (kW DC)
Behind the meter	4,596	189,298.6	27.6%	41.2
Direct Grid Supply	49	497,713.0	72.4%	10,157.4
Pipeline Totals	4,645	687,011.6	100.0%	147.9

Totals For All Projects	26,130	1,736,153.9		66.4
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NJCEP Solar Pipeline Plus Installed Projects History

NJCEP Solar Pipeline Plus Installed Projects History as of 4/30/13			
As Of	MW Installed	MW Pipeline	Combined MW
11/30/2011	531.7	599.4	1,131.1
12/31/2011	565.9	618.7	1,184.6
1/31/2012	649.9	548.0	1,197.1
2/29/2012	688.3	542.3	1,231.4
3/31/2012	730.0	526.1	1,256.5
4/30/2012	770.0	510.0	1,280.0
5/31/2012	802.8	560.7	1,363.5
6/30/2012	831.9	590.3	1,422.2
7/31/2012	852.6	756.2	1,608.8
8/31/2012	876.1	806.9	1,683.0
9/30/2012	900.9	740.0	1,640.9
10/31/2012	918.1	738.9	1,657.0
11/30/2012	943.2	750.3	1,693.5
12/31/2012	955.6	744.4	1,700.0
1/31/2013	973.4	731.6	1,705.0
2/28/2013	1,008.4	702.1	1,710.6
3/31/2013	1,026.2	702.2	1,728.4
4/30/2013	1,049.0	687.0	1,736.0

Preliminary values for 4/30/13



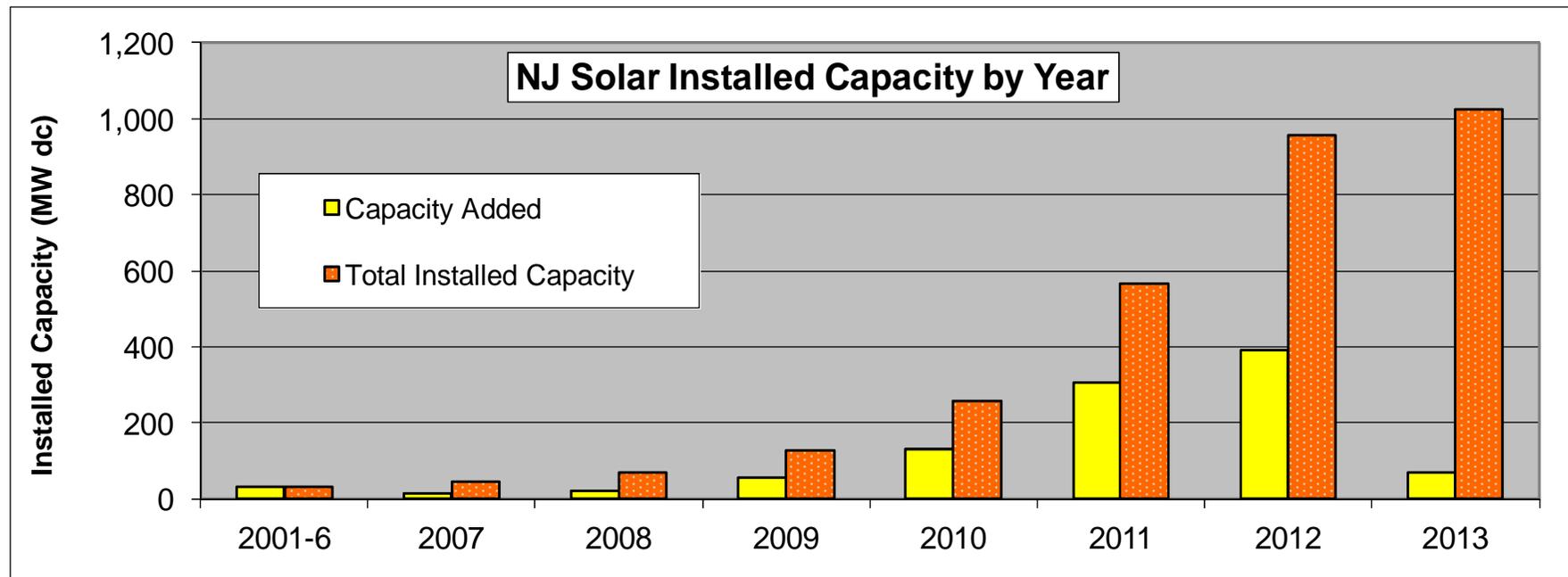
New Jersey Solar Installations by Year As of 03/31/13

Year	# Projects	Total kW	Total Rebate \$
2001	3	7.5	\$ 37,145
2002	37	623.5	\$ 2,424,694
2003	95	1,176.6	\$ 5,323,411
2004	289	2,037.1	\$ 10,581,975
2005	729	9,908.1	\$ 46,235,897
2006	867	18,320.4	\$ 78,086,786
2007	693	15,258.3	\$ 58,122,386
2008	833	22,711.3	\$ 44,923,416
2009	1,349	57,254.3	\$ 56,026,262
2010	3,131	132,383.4	\$ 45,961,190
2011	5,397	305,207.2	\$ 13,394,332
2012	5,901	390,622.8	\$ 2,394,540
2013	1,563	70,682.0	\$ 1,898
Total	20,887	1,026,192.5	\$ 363,513,932

Total* = Program to date totals for Paid projects plus projects pending payment; preliminary results subject to true-up based upon inspection results.



Solar Installed Capacity



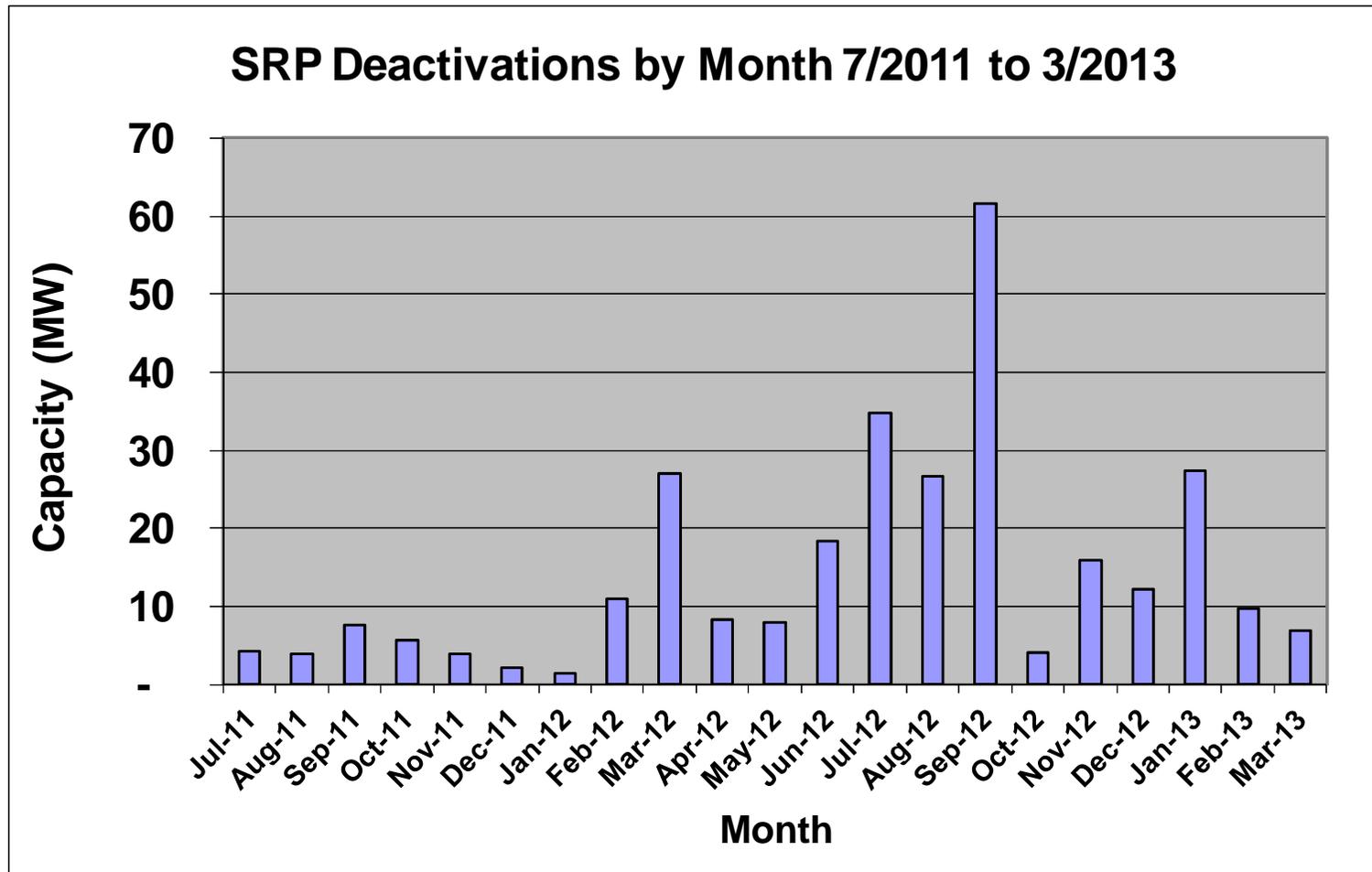


SRP Deactivations by Month

SRP Deactivations by Month as of 3/31/13			
Year	Month End	Project Qty	Capacity (kW)
2012	Jan-12	31	1,362
2012	Feb-12	75	11,034
2012	Mar-12	148	26,946
2012	Apr-12	112	8,291
2012	May-12	129	7,898
2012	Jun-12	107	18,306
2012	Jul-12	217	34,830
2012	Aug-12	142	26,592
2012	Sep-12	339	61,590
2012	Oct-12	30	4,083
2012	Nov-12	346	15,917
2012	Dec-12	136	12,202
2013	Jan-13	133	27,292
2013	Feb-13	145	9,779
2013	Mar-13	184	6,891



SRP Deactivations by Month





NJCEP Solar Installed Projects Plus Pipeline Projects

NJCEP Solar Installed Projects Plus Pipeline Projects

Installed Solar Projects As of 3/31/13

Interconnection Type	Project Qty	Total Capacity (KW DC)	Percent of Capacity	Avg System Size (kW DC)
Behind the meter	20,792	830,845.8	81.0%	40.0
Direct Grid Supply	95	195,346.6	19.0%	2,056.3
Installed Totals	20,887	1,026,192.5	100.0%	49.1

Solar Project Pipeline As of 3/31/13

Interconnection Type	Project Qty	Total Capacity (KW DC)	Percent of Capacity	Avg System Size (kW DC)
Behind the meter	4,726	204,303.4	29.1%	43.2
Direct Grid Supply	49	497,887.1	70.9%	10,161.0
Pipeline Totals	4,775	702,190.5	100.0%	147.1

Totals For All Projects	25,662	1,728,382.9		67.4
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NJCEP Solar Generation Forecast

This data is provided for informational purposes only. Past levels of installed capacity rates are not predictive of future values, and any persons considering investment in the solar market should perform their independent due diligence.



NJCEP Solar Installed Capacity Forecast - As of 3/31/13

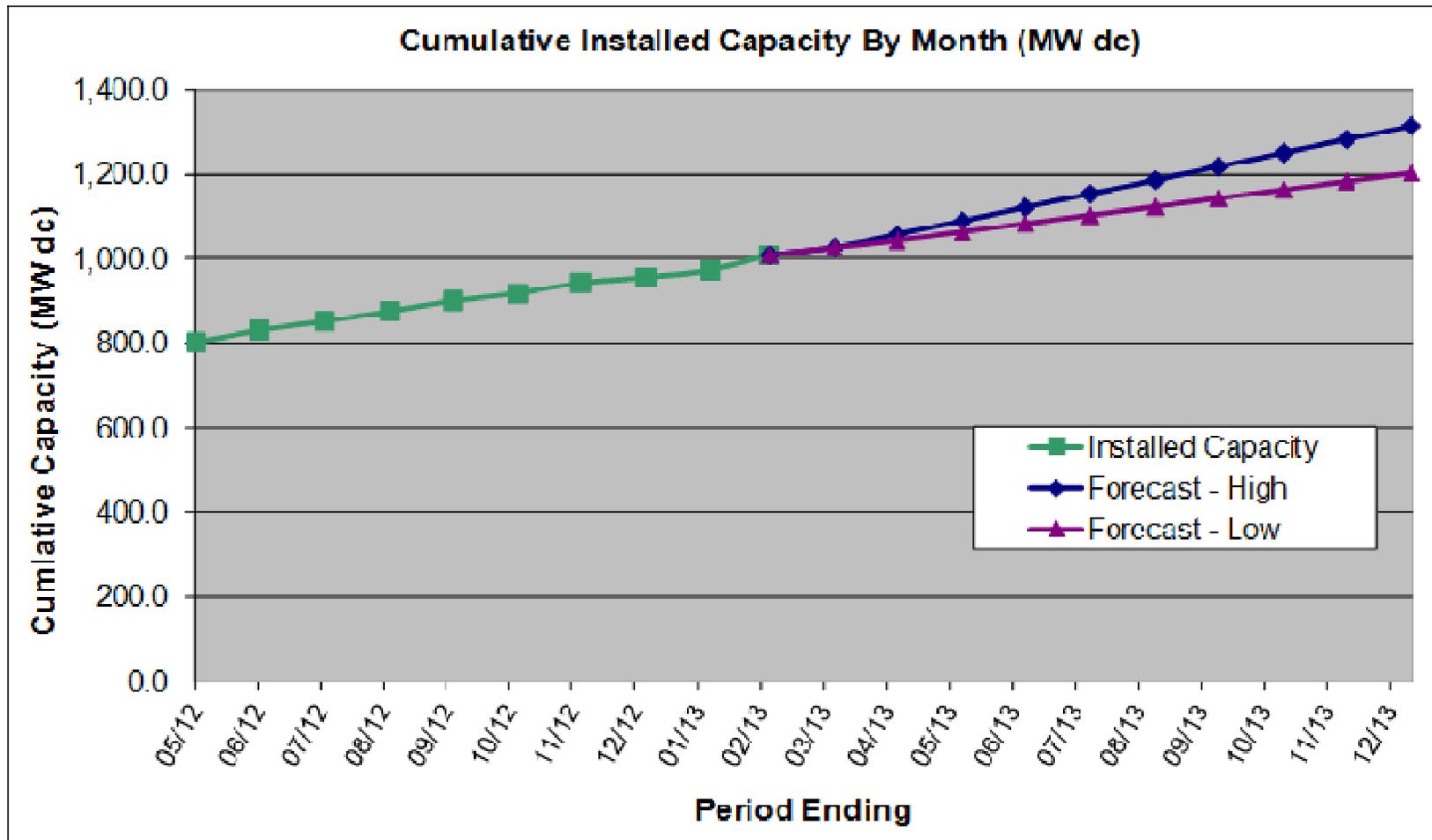
Cumulative Installed Capacity (MW dc)

End Date	12/31/12	01/31/13	02/28/13	03/31/13	04/30/13	05/31/13	06/30/13	07/31/13	08/31/13	09/30/13	10/31/13	11/30/13	12/31/13
Forecast - Low	955.5	973.1	1,007.6	1,026.2	1,040.7	1,059.4	1,080.9	1,100.6	1,120.9	1,140.9	1,160.4	1,179.9	1,199.8
Forecast - High	955.5	973.1	1,007.6	1,026.2	1,053.2	1,088.1	1,120.5	1,150.3	1,180.9	1,211.2	1,240.7	1,270.1	1,300.1

The 1,026.2 MW of solar capacity installed as of 03/31/13 and the additionally forecast installed solar capacity for the remainder of Energy Year 2013 is estimated to be capable of producing approximately 1,111,700 to 1,113,200 SRECs during Energy Year 2013.



NJCEP Solar Installed Capacity Forecast - As of 3/31/13





NJCEP Solar Generation Forecast

RPS Requirement By Energy Year

Energy Yr	RPS Req	Status
2012	442,000	Actual
2013	596,000	Actual
2014	1,660,500	Estimated
2015	1,984,500	Estimated
2016	2,227,500	Estimated

Energy Yr	Retail Sales Est (MWh)	RPS %	Est RPS Req (MWh)
2014	81,000,000	2.05%	1,660,500
2015	81,000,000	2.45%	1,984,500
2016	81,000,000	2.75%	2,227,500

Note: The Retail Sales estimates shown above were used to estimate RPS MWh requirement for EY 2014-2016



NJCEP Solar Generation Forecast

NJCEP Solar Generation Forecast

Assumptions used in forecast of annual capacity added for each EY

EY	Est Capacity Added (kW/Yr)			BTM Monthly Run Rate (kW/Month)			Estimated Annual Grid Supply Capacity Added (kW/Yr)		
	Low	Med	High	Low	Med	High	Low	Med	High
EY2014	243,536	341,732	367,681	15,628	22,811	23,723	56,000	68,000	83,000
EY2015	259,536	357,732	393,064	15,628	22,811	24,672	72,000	84,000	97,000
EY2016	269,536	368,732	409,908	15,628	22,811	25,659	82,000	95,000	102,000

Capacity added each year = (12 months x BTM monthly run rate) + annual grid supply added

Low, Med, High Assumptions used in forecast of annual capacity added for each EY:

Low	Based upon 4 year historical run rate for BTM installs plus annual additions from grid supply table above
Med	Based upon 1 year historical run rate for BTM installs plus annual additions from grid supply table above
High	Based upon 1 year historical run rate for BTM installs with 4% growth per year plus annual additions from grid supply table above



NJCEP Solar Generation Forecast Summary By Energy Year - As of 3/31/13

Energy Yr	Item	Low	Med	High
EY2012 (Actual)	GATS Cert by Resource Eligibility	713,879	713,879	713,879
	SRECs Retired (MWh)	438,904	438,904	438,904
	% of RPS Requirement	161.5%	161.5%	161.5%
	SREC Carryover (MWh)	274,975	274,975	274,975
	Equivalent Capacity (MW)	229.1	229.1	229.1
EY2013	Est Capacity Added (MW/EY)	270.7	275.2	283.2
	Est Generation (MWh/EY)	1,111,700	1,112,200	1,113,200
	Carryover From Prior Years (MWh)	274,975	274,975	274,975
	Est Avail (MWh)	1,386,675	1,387,175	1,388,175
	RPS Req (MWh)	596,000	596,000	596,000
	% of RPS Requirement	232.7%	232.7%	232.9%
	SREC Carryover (MWh)	790,675	791,175	792,175
	Equivalent Capacity (MW)	658.9	659.3	660.1
EY2014	Est Capacity Added (MW/EY)	243.5	341.7	367.7
	Est Generation (MWh/EY)	1,404,000	1,472,000	1,506,200
	Carryover From Prior Years (MWh)	790,675	791,175	792,175
	Est Avail (MWh)	2,194,675	2,263,175	2,298,375
	RPS Req (MWh)	1,660,500	1,660,500	1,660,500
	% of RPS Requirement	132.2%	136.3%	138.4%
	SREC Carryover (MWh)	534,175	602,675	637,875
	Equivalent Capacity (MW)	445.1	502.2	531.6

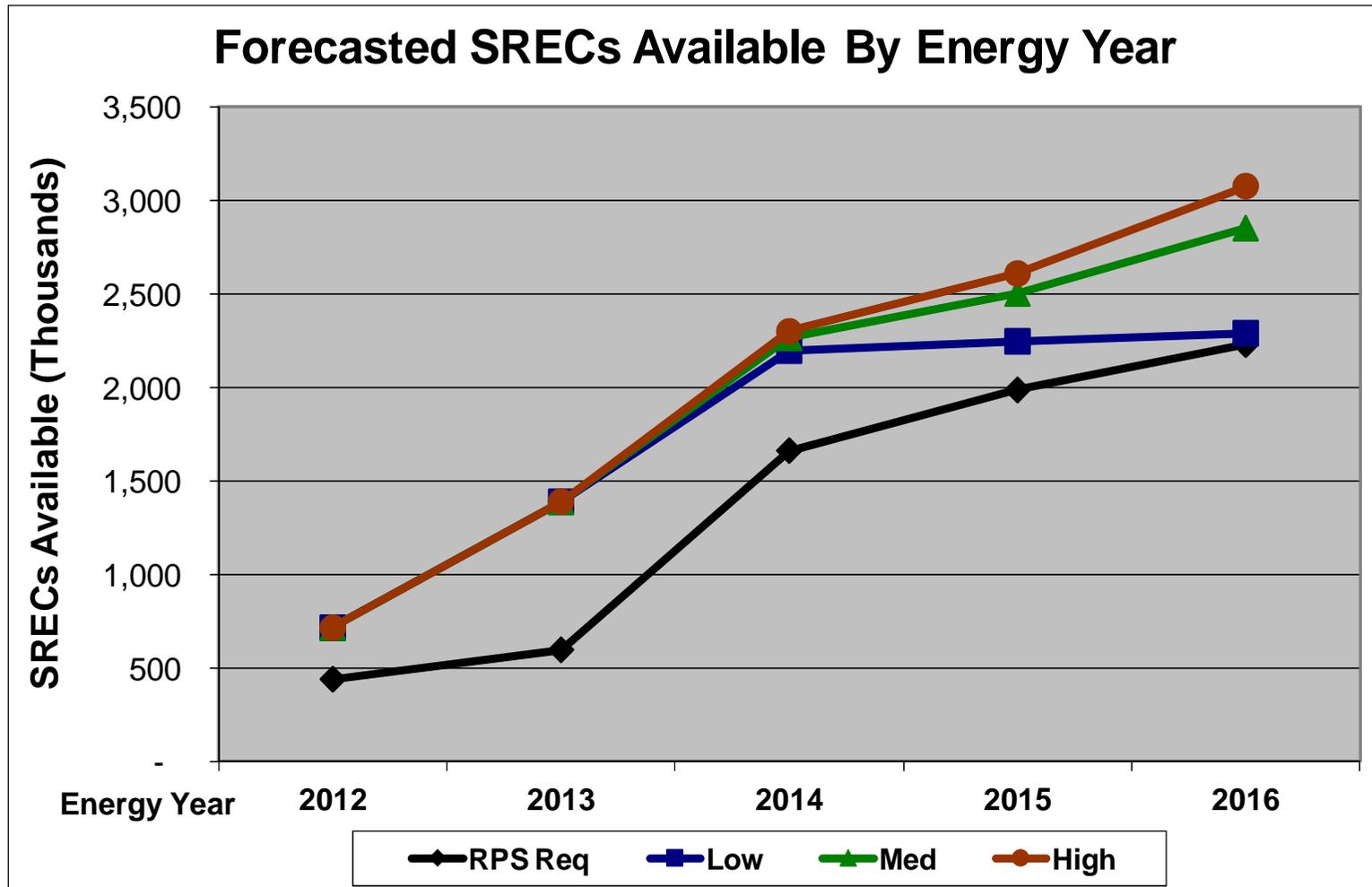


NJCEP Solar Generation Forecast Summary By Energy Year - As of 3/31/13

Energy Yr	Item	Low	Med	High
EY2015	Est Capacity Added (MW/EY)	259.5	357.7	393.1
	Est Generation (MWh/EY)	1,710,200	1,897,500	1,969,300
	Carryover From Prior Years (MWh)	534,175	602,675	637,875
	Est Avail (MWh)	2,244,375	2,500,175	2,607,175
	RPS Req (MWh)	1,984,500	1,984,500	1,984,500
	% of RPS Requirement	113.1%	126.0%	131.4%
	SREC Carryover (MWh)	259,875	515,675	622,675
	Equivalent Capacity (MW)	216.6	429.7	518.9
EY2016	Est Capacity Added (MW/EY)	269.5	368.7	409.9
	Est Generation (MWh/EY)	2,028,200	2,333,900	2,451,900
	Carryover From Prior Years (MWh)	259,875	515,675	622,675
	Est Avail (MWh)	2,288,075	2,849,575	3,074,575
	RPS Req (MWh)	2,227,500	2,227,500	2,227,500
	% of RPS Requirement	102.7%	127.9%	138.0%
	SREC Carryover (MWh)	60,575	622,075	847,075
	Equivalent Capacity (MW)	50.5	518.4	705.9



NJCEP Solar Generation Forecast



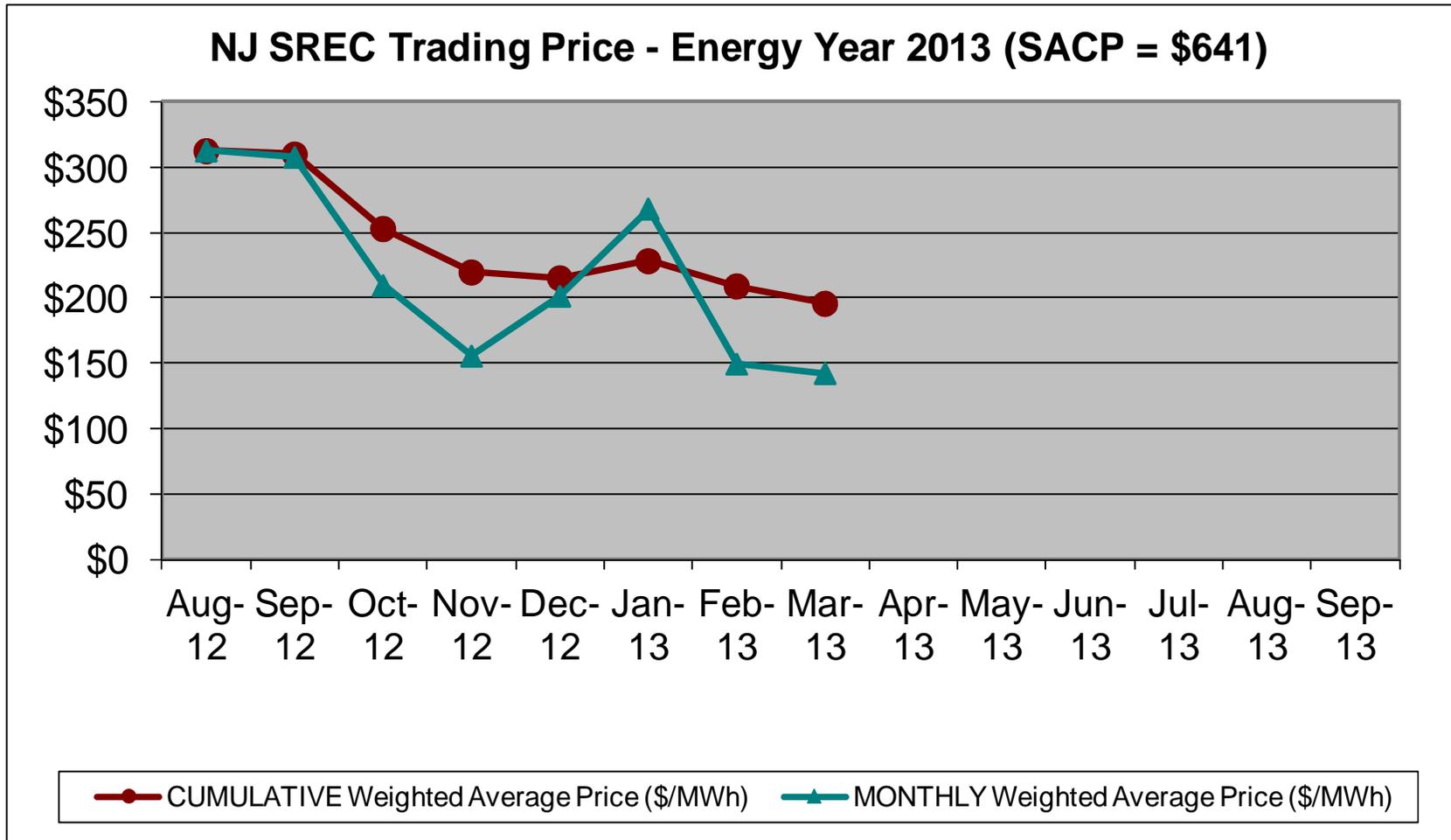


Current SREC Trading Statistics Energy Year 2013

EY 2013 SACP= \$641			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)
Mar	2013	967,849	61,195	128,898	\$ 641	\$ 68	645,573	\$195.57
Feb	2013	932,365	55,612	126,630	\$ 620	\$ 40	516,675	\$208.88
Jan	2013	921,312	47,648	96,603	\$ 641	\$ 40	390,045	\$228.20
Dec	2012	898,218	65,933	72,070	\$ 620	\$ 40	293,442	\$215.06
Nov	2012	886,677	60,244	75,602	\$ 658	\$ 60	221,372	\$219.56
Oct	2012	867,024	90,783	82,813	\$ 658	\$ 40	145,770	\$252.81
Sept	2012	850,917	106,498	34,124	\$ 650	\$ 50	62,957	\$309.77
Aug	2012	836,111	101,993	21,510	\$ 620	\$ 50	28,833	\$312.37
Jul	2012	814,701	95,855	7,323	Due to low trade volume, the July trades are reported with the pricing data for August.			
	Total		685,761	645,573				



Current SREC Trading Statistics Energy Year 2013





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