



Utah Solar Incentive Program

2016 Annual Report
June 1, 2016

Executive Summary

In Docket No. 11-035-104, Rocky Mountain Power (“Company”) received approval to offer an expanded Solar Photovoltaic Incentive program. On August 10, 2012, Rocky Mountain Power filed an Application for Approval with the Public Service Commission of Utah (“Commission”) requesting authority to implement a Solar Incentive Pilot program (“Program”), which was approved by the Commission on October 1, 2012. In the initial order approving the Program, the Commission directed the Company to provide annual reports on the Program containing information on the number of applications, the number and size of completed projects, generation data for large systems, and the number, if any, of surrendered deposits. This is the third report provided pursuant to the Commission’s direction and presents information on the program results through May 20, 2015. This report provides complete information from the 2013 Program Year and updates on the status of the 2014, 2015, and 2016 Program Years. Pursuant to Section 54-7-12.8(4) of Senate Bill 115 passed in the 2016 Utah state legislature the Program will end and the Company will stop taking new applications for solar incentive program incentives as of December 31, 2016.

Goals of the Program

The intent of this Program initially was to encourage the development of 60 Megawatts (MW) of distributed solar generation capacity over the 5+ years of the program. In order to accomplish this, Rocky Mountain Power provides a rebate style incentive to customers who install distributed solar generation facilities after being accepted into the program.

Key Dates, Data and Activities for 2016 Program

- Applications were accepted for two weeks beginning January 15, 2016, and concluding January 28, 2016. A lottery was conducted to assign a queue position for all applications. Customers were then notified of acceptance into the program in order of queue position.
- New 2016 Program capacity: Residential: 500 kW; Small Non-Residential 4.5 MW; Large Non-Residential 10 MW.
- The 2016 Program employs a waiting list. Applicants on this list are offered capacity in the program if a previously approved applicant does not pay the reservation deposit, withdraws or cancels their project. As such, participant numbers will fluctuate throughout the year as accepted projects are removed from the program, and reservations are offered to other customers on the waiting list.

Summary of 2013 Results

The following tables summarize the results from the 2013 program year for the Utah Solar Incentive Program. Table 1 below shows the total number of applications submitted, while Table 2 shows the total kW of the projects associated with those applications.

Table 1. 2013 Program Applications

	Residential	Small Non-Res	Large Non-Res	Total
Received	1,040	321	72	1,433
Incentive Offered	211	321	23	555
Incentive Offered- Did Not Pay Deposit	38	152	12	202
Incentive Offered- Paid Deposit	173	169	11	353
Completed	130	98	7	235

Table 2. 2013 Program Capacity kW ^{CSI-AC}

	Residential	Small Non-Res	Large Non-Res	Total
Received	4,192 kW	6,033 kW	19,286 kW	29,511 kW
Incentive Offered	618 kW	6,033 kW	4,505 kW	11,156 kW
Incentive Offered- Did Not Pay Deposit	122 kW	3,061 kW	1,757 kW	4,940 kW
Incentive Offered- Paid Deposit	496 kW	2,972 kW	2,748 kW	6,216 kW
Completed	358 kW	1,752 kW	2,383 kW	4,493 kW

Surrendered Deposits for 2013 Program Year

Table 3. 2013 Surrendered Deposits

	Residential	Small Non-Res	Large Non-Res	Total
Quantity	43	71	4	118
Amount	\$4300	\$25,560.40	\$6961	\$36,821.40

Carry Forward Capacity for 2014 Program Year

Capacity from projects that receive reservations but are not completed is carried forward and offered to program applicants in future program years. In order to determine the amount of additional capacity, the remaining capacity value is determined and then converted into additional capacity at the current program year's incentive level.

Table 4. 2014 Additional Capacity

	2013 Remaining Capacity (kW)	2013 Incentive Rate	Rollover Funds (Cap x Inc. Rate)	2014 Incentive Rate	2013 Rollover Capacity (kW)	2014 New Capacity (kW)	Total 2014 Capacity (kW)
Residential	142.34	\$1.25	\$177,998.75	\$1.20	148.332	500	648.332
Small Non-Residential	1,247.676	\$1.00	\$1,247,676.00	\$0.95	1,313.343	3,500	4,813.343
Large Non-Residential	617.122	\$0.80	\$493,697.60	\$0.75	658.263	6,000	6,658.263

Summary of 2014 Preliminary Results as of May 16, 2016

The following tables summarize the results from the reservation period for the 2014 program year of the Utah Solar Incentive Program.

Table 5. 2014 Program Applications

	Residential	Small Non-Res	Large Non-Res	Total
Received	1,466	516	88	2,070
Incentive Offered	254	516	33	803
Incentive Offered- Did Not Pay Deposit	68	333	13	414
Incentive Offered- Paid Deposit	186	183	20	389
Completed- As of May 16, 2016	140	88	10	238

Table 6. 2014 Program Capacity kW CSI-AC

	Residential	Small Non-Res	Large Non-Res	Total
Received	6,060 kW	9,935 kW	24,110 kW	40,105 kW
Incentive Offered	840 kW	9,935 kW	8,464 kW	19,239 kW
Incentive Offered- Did Not Pay Deposit	238 kW	6,635 kW	2,663 kW	9,536 kW
Incentive Offered- Paid Deposit	602 kW	3,300 kW	5,801 kW	9,703 kW
Completed- As of May 20, 2015	447 kW	1,533 kW	3,238 kW	5,218 kW

Table 7. Currently Active Applications as of May 16, 2016

	Residential	Small Non-Res	Large Non-Res	Total
Projects	0	1	1	2
kW <small>CSI-AC</small>	0 kW	25 kW	520kW	545 kW

Surrendered Deposits for the 2014 Program Year

Table 8. 2014 Surrendered Deposits

As of May 16, 2016	Residential	Small Non-Res	Large Non-Res	Total
Quantity	46	94	9	149
Amount	\$4600	\$33,668.78	\$40,915.84	\$79,184.62

Carry Forward Capacity for 2015 Program Year

Capacity from projects that receive reservations but are not completed is carried forward and offered to program applicants in future program years. In order to determine the amount of additional capacity, the remaining capacity value is determined and then converted into additional capacity at the current program year's incentive level.

Table 9. 2015 Additional Capacity as May 16, 2016

	2014 Remaining Capacity (kW)	2014 Incentive Rate	Rollover Funds (Cap x Inc. Rate)	2015 Incentive Rate	2015 Rollover Capacity (kW)	2015 New Capacity	Total 2015 Capacity
Residential	201.372	\$1.20	\$241,646.75	\$1.15	210.128	500	710.128
Small Non- Residential	3255.262	\$0.95	\$3,092,499.05	\$0.90	3436.11	4000	7436.110
Large Non- Residential	2899.729	\$0.75	\$2,174,797.10	\$0.70	3106.853	8500	11606.853

Summary of 2015 Preliminary Results as of May 16, 2016

The following tables summarize the results from the reservation period for the 2015 program year of the Utah Solar Incentive Program.

Table 10. 2015 Program Applications

	Residential	Small Non-Res	Large Non-Res	Total
Received	2,003	694	204	2,901
Incentive Offered	241	694	56	991
Incentive Offered- Did Not Pay Deposit	62	380	35	477
Incentive Offered- Paid Deposit	179	314	21	514
Completed- As of May 16, 2016	132	154	7	293

Table 11. 2015 Program Capacity kW ^{CSI-AC}

	Residential	Small Non-Res	Large Non- Res	Total
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Received	11,330 kW	14,992 kW	84,327 kW	110,649 kW
Incentive Offered	918 kW	14,992 kW	22,004 kW	37,914 kW
Incentive Offered- Did Not Pay Deposit	246 kW	8,778 kW	15,556 kW	24,580 kW
Incentive Offered- Paid Deposit	672 kW	6,214 kW	6,449 kW	13,335 kW
Completed- As of May 16, 2016	488 kW	3,064 kW	2,307 kW	5,859 kW

Surrendered Deposits for the 2015 Program Year

Table 12. 2015 Surrendered Deposits

As of May 16, 2016	Residential	Small Non-Res	Large Non-Res	Total
Quantity	28	52	0	80
Amount	\$2800	\$22,078.14	\$0.00	\$24,878.14

Carry Forward Capacity for 2016 Program Year

Capacity from projects that receive reservations but are not completed is carried forward and offered to program applicants in future program years. In order to determine the amount of additional capacity, the remaining capacity value is determined and then converted into additional capacity at the current program year's incentive level.

Table 13. 2016 Additional Capacity as May 16, 2016

	2015 Remaining Capacity (kW)	2015 Incentive Rate	Rollover Funds (Cap x Inc. Rate)	2016 Incentive Rate	2016 Rollover Capacity (kW)	2016 New Capacity	Total 2016 Capacity
Residential	145.051	\$1.15	\$166,808.20	\$1.10	151.6438	500	651.644
Small Non-Residential	2363.916	\$0.90	\$2,127,524.45	\$0.85	2502.97	4500	7002.970
Large Non-Residential	5157.692	\$0.70	\$3,610,384.40	\$0.65	5554.438	10000	15554.438

Summary of 2016 Preliminary Results as of May 16, 2016

The following tables summarize the results from the reservation period for the 2016 program year of the Utah Solar Incentive Program.

Table 14. 2016 Program Applications

	Residential	Small Non-Res	Large Non-Res	Total
Received	3,067	1,023	230	4,320
Incentive Offered	236	508	57	801
Incentive Offered- Did Not Pay Deposit	65	189	20	274
Incentive Offered- Paid Deposit	159	216	31	406

Completed- As of May 16, 2016	9	0	0	9
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Table 15. 2016 Program Capacity kW_{CSI-AC}

	Residential	Small Non-Res	Large Non-Res	Total
Received	15,726 kW	25,809 kW	96,559 kW	138,094 kW
Incentive Offered	885 kW	11,372 kW	23,819 kW	36,076 kW
Incentive Offered- Did Not Pay Deposit	227 kW	4,269 kW	9,457 kW	13,953 kW
Incentive Offered- Paid Deposit	611 kW	4,815 kW	12,677 kW	18,103 kW
Completed- As of May 16, 2016	34 kW	0 kW	0 kW	34 kW

System Specific Information

Attachment A of this document includes more specific information for completed projects that received funding through the Utah Solar Incentive Program. Specifically included in the attachment is the size of the system in both kW_{DC} and kW_{CSI-AC} quantities, the amount of incentive the project received, and the general location of each system.

Production Meter Data

Attachment B of this document includes the available production meter data for completed large non-residential projects

Program Account Summary

Table 12. USIP Account Summary

Utah Solar Incentive Program Account - Through April 30, 2016						
	Program Total	2012	2013	2014	2015	2016
Program Revenue	(22,100,873)	(947,702)	(6,266,287)	(6,338,729)	(6,439,479)	(2,108,676)
Program Expenditures:						
Incentive		-	981,796	2,328,676	3,292,006	1,564,759
Program Administration		-	253,665	322,664	173,248	213,911
Marketing		55,905	35,744	25,995	14,515	-
Program Development		30,748	99,140	577	-	-

	Expired Deposits	(140,884)	-	-	-	-	(140,884)*
	Total Expenditures	9,253,465	86,653	1,370,345	2,677,912	3,479,769	1,638,786
	Interest	(1,665,670)	(5,995)	(219,165)	(473,909)	(721,712)	(244,889)
	USIP Account Balance	(14,550,899)					