



# Utah Solar Incentive Program

## 2015 Annual Report

## **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 second 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 and 2015 Program Years.

## **Goals of the Program**

The intent of this Program is 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 will provide a rebate style incentive to customers who install distributed solar generation facilities after being accepted into the program.

## **Key Dates, Data and Activities for 2015 Program**

- Applications were accepted for two weeks beginning January 15, 2015, and concluding January 28, 2015. 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 2015 Program capacity: Residential: 500 kW; Small Non-Residential 4 MW; Large Non-Residential 8.5 MW.
- The 2015 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 <sup>CSI-AC</sup>

	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	1,750 kW	2,399 kW*	4,507 kW

- One large project with a total capacity of 483 kW has not received the incentive payment at this time. The project requires significant upgrades to the distribution system to accommodate both the solar facility and expanded load at the site. The upgrades are in progress, and the incentive will be paid upon final interconnection of the project.

## 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	\$177,925.00	\$1.20	148.271	500	648.271
Small Non-Residential	1,249.949	\$1.00	\$1,249,949.00	\$0.95	1,315.736	3,500	4,815.736
Large Non-Residential	601.352	\$0.80	\$481,081.60	\$0.75	641.442	6,000	6,641.442

## Summary of 2014 Preliminary Results as of May 20, 2015

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	334	13	415
Incentive Offered- Paid Deposit	186	182	20	388
Completed- As of May 20, 2015	137	66	5	208

Table 6. 2014 Program Capacity kW <sup>CSI-AC</sup>

	Residential	Small Non-Res	Large Non-Res	Total
Received	6,060kW	11,353 kW	24,186 kW	41,599 kW
Incentive Offered	840 kW	11,353 kW	8,514 kW	20,707 kW
Incentive Offered- Did Not Pay Deposit	238 kW	7,504 kW	2,663 kW	10,405 kW
Incentive Offered- Paid Deposit	602 kW	3,849 kW	5,851 kW	10,302 kW
Completed- As of May 20, 2015	435 kW	1,143 kW	1,375 kW	2,953 kW

Table 7. Currently Active Applications as of May 20, 2015

	Residential	Small Non-Res	Large Non-Res	Total
Projects	7	51	15	73
kW <sup>CSI-AC</sup>	26 kW	1,005 kW	4,470 kW	5,501 kW

## Surrendered Deposits for the 2014 Program Year

Table 8. 2014 Surrendered Deposits

As of May 20, 2015	Residential	Small Non-Res	Large Non-Res	Total
Quantity	42	65	0	107
Amount	\$4200	\$23,515.30	\$0	\$27,715.30

## 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 20, 2015

	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	187.257	\$1.20	\$224,708.20	\$1.15	195.398	500	695.398
Small Non-Residential	2147.313	\$0.95	\$2,535,001.65	\$0.90	2,816.669	4,000	6,816.669
Large Non-Residential	796.660	\$0.75	\$597,495.10	\$0.70	853.564	8,500	9,353.564

## Summary of 2015 Preliminary Results as of May 20, 2015

The following tables summarize the results from the reservation period for the 2015 program year for the Utah Solar Incentive Program. The Company will continue to offer capacity to additional customers to expend all available capacity until June 30, 2015. After that point any uncommitted capacity will be rolled forward into the 2016 program year.

Table 10. 2015 Program Applications

	Residential	Small Non-Res	Large Non-Res	Total
Received	2,003	589	206	2,798
Incentive Offered	237	589	50	876
Incentive Offered- Did Not Pay Deposit	65	331	32	428
Incentive Offered- Paid Deposit	172	258	18	448
Completed- As of May 20, 2015	10	0	0	10

Table 11. 2015 Program Capacity kW CSI-AC

	Residential	Small Non-Res	Large Non-Res	Total
Received	11,780 kW	12,819 kW	85,942 kW	110,541 kW
Incentive Offered	928 kW	12,819 kW	21,791 kW	35,538 kW
Incentive Offered- Did Not Pay Deposit	258 kW	7,651 kW	14,989 kW	22,898 kW
Incentive Offered- Paid Deposit	669 kW	5,168 kW	6,802 kW	12,639 kW
Completed- As of May 20, 2015	38 kW	0 kW	0 kW	38 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<sub>DC</sub> and kW<sub>CSI-AC</sub> 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, 2015					
	Program Total	2012	2013	2014	2015
Program Revenue	(15,760,725)	(947,702)	(6,266,287)	(6,338,729)	(2,208,007)
Program Expenditures:					
Incentive		-	981,796	2,328,676	1,059,979
Program Administration		-	253,665	322,664	75,203
Marketing		55,905	35,744	25,995	12,462
Program Development		30,748	99,140	577	-
Total Expenditures	5,282,554	86,653	1,370,345	2,677,912	1,147,644
Interest	(915,143)	(5,995)	(219,165)	(473,909)	(216,074)
USIP Account Balance	(11,393,314)				