

April 2019

Clean Energy Programs

Monthly Report



GREENFest
Las Vegas, NV



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Clean Energy Programs is the renewables, energy storage, and electric vehicle charging stations incentives program administered by NV Energy under the laws of the Nevada Legislature and regulated by the Public Utilities Commission of Nevada.

Solar Incentives

Program Update

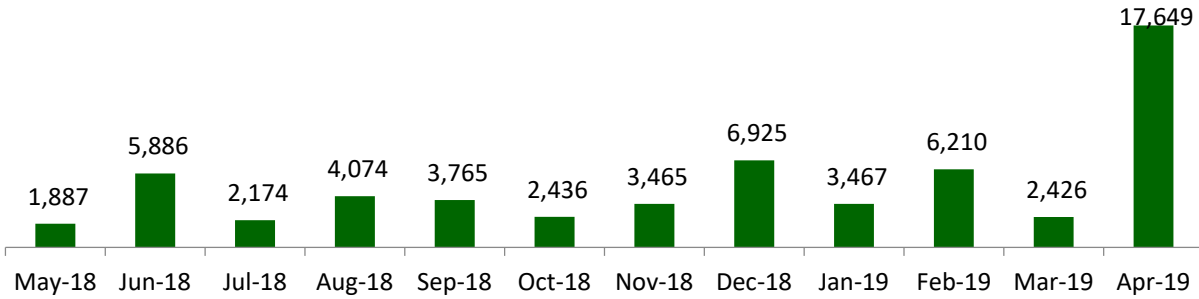
The solar incentives program received 1,290 applications and completed 2,453 projects in April.

April						
	Incentives Paid		kW Installed		Completed Projects	
	North	South	North	South	North	South
Residential/Small Business	\$156,639	\$2,913,611	842	16,269	151	2,286
Large Commercial/Industrial	\$0	\$0	493	0	1	0
Low-Income/Nonprofit	\$25,632	\$273,088	12	224	1	14
School	\$0	\$0	0	0	0	0
Public Entity	\$0	\$0	0	0	0	0
Public and Other	\$0	\$0	0	0	0	0
Small Commercial	\$0	\$0	0	0	0	0
Total	\$182,271	\$3,186,699	1,347	16,493	153	2,300

Year To Date						
	Incentives Paid		kW Installed		Completed Projects	
	North	South	North	South	North	South
Residential/Small Business	\$266,521	\$4,856,747	1,395	26,981	242	3,786
Large Commercial/Industrial	\$25,640	\$97,412	493	499	1	1
Low-Income/Nonprofit	\$25,881	\$799,548	12	563	1	19
School	\$0	\$0	0	0	0	0
Public Entity	\$10,936	\$9,011	0	0	0	0
Public and Other	\$0	\$0	0	0	0	0
Small Commercial	\$127	\$10,656	0	0	0	0
Total	\$329,105	\$5,773,374	1,900	28,042	244	3,806

Inception (2004) To Present						
	Incentives Paid		kW Installed		Completed Projects	
	North	South	North	South	North	South
Residential/Small Business	\$9,217,638	\$46,607,091	12,927	178,053	2,470	27,603
Large Commercial/Industrial	\$453,938	\$1,423,926	3,456	7,662	13	20
Low-Income/Nonprofit	\$2,113,568	\$3,258,418	728	2,302	18	65
School	\$60,832,710	\$49,297,179	14,458	13,019	133	171
Public Entity	\$170,775	\$139,376	332	438	4	4
Public and Other	\$37,963,190	\$34,911,442	9,034	9,466	192	161
Small Commercial	\$25,156	\$220,265	228	2,111	13	37
Total	\$110,776,975	\$135,857,697	41,164	213,051	2,843	28,061

Solar Incentives Capacity Installed by Month (kW)



Solar Incentives PV Incentives Paid Since July 1, 2010

Spending Toward \$295,270,000 Cap		
	Incentives Paid	kW Installed
Total	\$229,260,060	249,586

Average Solar Incentives PV Installation Cost Per Watt AC-CEC

Cost Per Watt		
Year	UFI/EPBB	PBI
2018	\$4.11	\$2.91
2019	\$4.05	\$4.24

Solar Thermal Heating (Northern Nevada Gas Customers)

Program Update

No solar thermal heating incentives projects were received or completed in April.

April			
	Active Projects	Liabilities	Paid
	North	North	North
Residential/Small Business	0	\$0	\$0
Large Commercial/Industrial	0	\$0	\$0
Low-Income/Nonprofit	0	\$0	\$0
School	0	\$0	\$0
Public Entity	0	\$0	\$0
Public and Other	0	\$0	\$0
Small Commercial	0	\$0	\$0
Total	0	\$0	\$0

Year To Date		
	Incentives Paid	Completed Projects
	North	North
Residential/Small Business	\$0	0
Large Commercial/Industrial	\$0	0
Low-Income/Nonprofit	\$0	0
School	\$0	0
Public Entity	\$0	0
Public and Other	\$0	0
Small Commercial	\$0	0
Total	\$0	0

Inception (2004) To Present		
	Incentives Paid	Completed Projects
	North	North
Residential/Small Business	\$26,907	13
Large Commercial/Industrial	\$0	0
Low-Income/Nonprofit	\$0	0
School	\$8,949	1
Public Entity	\$0	0
Public and Other	\$99,747	5
Small Commercial	\$0	0
Total	\$135,603	19

Wind Incentives

Program Update

No wind incentives projects were received or completed in April.

April						
	Incentives Paid		kW Installed		Completed Projects	
	North	South	North	South	North	South
Residential/Small Business	\$0	\$0	0	0	0	0
Large Commercial/Industrial	\$0	\$0	0	0	0	0
Low-Income/Nonprofit	\$0	\$0	0	0	0	0
School	\$0	\$0	0	0	0	0
Public Entity	\$0	\$0	0	0	0	0
Public and Other	\$0	\$0	0	0	0	0
Small Commercial	\$0	\$0	0	0	0	0
Agriculture	\$0	\$0	0	0	0	0
Total	\$0	\$0	0	0	0	0

Year To Date						
	Incentives Paid		kW Installed		Completed Projects	
	North	South	North	South	North	South
Residential/Small Business	\$0	\$0	0	0	0	0
Large Commercial/Industrial	\$0	\$0	0	0	0	0
Low-Income/Nonprofit	\$0	\$0	0	0	0	0
School	\$0	\$0	0	0	0	0
Public Entity	\$0	\$0	0	0	0	0
Public and Other	\$0	\$0	0	0	0	0
Small Commercial	\$0	\$0	0	0	0	0
Agriculture	\$0	\$0	0	0	0	0
Total	\$0	\$0	0	0	0	0

Inception (2004) To Present						
	Incentives Paid		kW Installed		Completed Projects	
	North	South	North	South	North	South
Residential/Small Business	\$1,403,080	\$49,183	574	23	54	6
Large Commercial/Industrial	\$0	\$0	0	0	0	0
Low-Income/Nonprofit	\$0	\$0	0	0	0	0
School	\$1,369,200	\$7,800	365	2	4	1
Public Entity	\$0	\$0	0	0	0	0
Public and Other	\$295,200	\$0	85	0	10	0
Small Commercial	\$0	\$0	0	0	0	0
Agriculture	\$23,121,745	\$0	9,069	0	91	0
Total	\$26,189,225	\$56,983	10,092	25	159	7

Wind and Hydro Incentives Paid Since July 1, 2010

Spending Toward \$40,000,000 Cap	
	Incentives Paid
Wind	\$25,928,108
Hydro	\$2,097,500
Total	\$28,025,608

Hydro Incentives

Program Update

No hydro incentives projects were received or completed in April.

April						
	Incentives Paid		kW Installed		Completed Projects	
	Net-Metered	Non Net-Metered	Net-Metered	Non Net-Metered	Net-Metered	Non Net-Metered
Residential/Small Business	\$0	\$0	0	0	0	0
Large Commercial/Industrial	\$0	\$0	0	0	0	0
Low-Income/Nonprofit	\$0	\$0	0	0	0	0
School	\$0	\$0	0	0	0	0
Public Entity	\$0	\$0	0	0	0	0
Public and Other	\$0	\$0	0	0	0	0
Small Commercial	\$0	\$0	0	0	0	0
Agriculture	\$0	\$0	0	0	0	0
Total	\$0	\$0	0	0	0	0

Year To Date						
	Incentives Paid		kW Installed		Completed Projects	
	Net-Metered	Non Net-Metered	Net-Metered	Non Net-Metered	Net-Metered	Non Net-Metered
Residential/Small Business	\$0	\$0	0	0	0	0
Large Commercial/Industrial	\$0	\$0	0	0	0	0
Low-Income/Nonprofit	\$0	\$0	0	0	0	0
School	\$0	\$0	0	0	0	0
Public Entity	\$0	\$0	0	0	0	0
Public and Other	\$0	\$0	0	0	0	0
Small Commercial	\$0	\$0	0	0	0	0
Agriculture	\$0	\$0	0	0	0	0
Total	\$0	\$0	0	0	0	0

Inception (2004) To Present						
	Incentives Paid		kW Installed		Completed Projects	
	Net-Metered	Non Net-Metered	Net-Metered	Non Net-Metered	Net-Metered	Non Net-Metered
Residential/Small Business	\$0	\$0	0	0	0	0
Large Commercial/Industrial	\$0	\$0	0	0	0	0
Low-Income/Nonprofit	\$0	\$0	0	0	0	0
School	\$0	\$0	0	0	0	0
Public Entity	\$0	\$0	0	0	0	0
Public and Other	\$0	\$0	0	0	0	0
Small Commercial	\$0	\$0	0	0	0	0
Agriculture	\$395,000	\$1,702,500	158	1,187	3	4
Total	\$395,000	\$1,702,500	158	1,187	3	4

Energy Storage

Program Update

The energy storage incentives program received 28 applications and no projects were completed in April.

April				
	Incentives Paid		Completed Projects	
	North	South	North	South
Residential/Small Business	\$0	\$0	0	0
Large Commercial/Industrial	\$0	\$0	0	0
Low-Income/Nonprofit	\$0	\$0	0	0
School	\$0	\$0	0	0
Public Entity	\$0	\$0	0	0
Public and Other	\$0	\$0	0	0
Small Commercial	\$0	\$0	0	0
Agriculture	\$0	\$0	0	0
Total	\$0	\$0	0	0

Year to Date				
	Incentives Paid		Completed Projects	
	North	South	North	South
Residential/Small Business	\$0	\$0	0	0
Large Commercial/Industrial	\$0	\$0	0	0
Low-Income/Nonprofit	\$0	\$0	0	0
School	\$0	\$0	0	0
Public Entity	\$0	\$0	0	0
Public and Other	\$0	\$0	0	0
Small Commercial	\$0	\$0	0	0
Agriculture	\$0	\$0	0	0
Total	\$0	\$0	0	0

Inception (2018) to Present				
	Incentives Paid		Completed Projects	
	North	South	North	South
Residential/Small Business	\$0	\$0	0	0
Large Commercial/Industrial	\$0	\$0	0	0
Low-Income/Nonprofit	\$0	\$0	0	0
School	\$0	\$0	0	0
Public Entity	\$0	\$0	0	0
Public and Other	\$0	\$0	0	0
Small Commercial	\$0	\$0	0	0
Agriculture	\$0	\$0	0	0
Total	\$0	\$0	0	0

Electric Vehicle

Program Update

The electric vehicle charging station incentives program received three applications and no projects were completed in April.

April				
	Incentives Paid		Completed Projects	
	North	South	North	South
Workplace	\$0	\$0	0	0
Fleet	\$0	\$0	0	0
Multi-Family	\$0	\$0	0	0
Custom Grant	\$0	\$0	0	0
Total	\$0	\$0	0	0

Year to Date				
	Incentives Paid		Completed Projects	
	North	South	North	South
Workplace	\$0	\$0	0	0
Fleet	\$0	\$0	0	0
Multi-Family	\$0	\$0	0	0
Custom Grant	\$0	\$0	0	0
Total	\$0	\$0	0	0

Inception (2018) to Present				
	Incentives Paid		Completed Projects	
	North	South	North	South
Workplace	\$0	\$0	0	0
Fleet	\$0	\$0	0	0
Multi-Family	\$0	\$0	0	0
Custom Grant	\$0	\$0	0	0
Total	\$0	\$0	0	0

Programs Summary

Clean Energy Programs Incentives Paid Since July 1, 2010 and Reserved

All Program Spending Toward \$295,270,000 Cap			
	Incentives	Incentives	Incentives
	Paid	Reserved	Total
Solar PV	\$229,260,060	\$15,628,122	\$244,888,182
Wind	\$25,928,108	\$0	\$25,928,108
Hydro	\$2,097,500	\$0	\$2,097,500
Energy Storage	\$0	\$552,420	\$552,420
Electric Vehicle	\$0	\$784,166	\$784,166
Total	\$257,285,668	\$16,964,708	\$274,250,376

\$295,270,000 Cap Balance				
	Incentives	Incentives	Electric Vehicle	Incentive Funds
	Paid	Reserved	Carve out	Remaining
Total	\$257,285,668	\$16,964,708	\$14,215,834	\$6,803,790

Renewable Energy Generating Systems Capacity Installed Since July 1, 2010 and Reserved

Solar, Wind, and Hydro Programs Capacity Summary			
	Capacity (kW)	Capacity (kW)	Capacity (kW)
	Installed	Reserved	Total
Solar	249,586	64,049	313,636
Wind	10,003	0	10,003
Hydro	1,345	0	1,345
Total	260,934	64,049	324,983

Incentives Reserved is the sum of program dollars obligated as a result of an eligible and approved project application. Incentives Paid are complete projects with incentive funds expended.



Legislation, Regulation and Compliance

In order to adhere to rule 15, projects installing energy storage must include information on the energy storage system operating limitation. Contractors must indicate the energy storage system operating limitation and if access to change that limitation is limited to the system owner. The updated interconnection agreement (formerly known as the net metering agreement) was updated to include an attestation of energy storage facilities operational mode, if a project has energy storage.

The Clean Energy team held a conference call to update solar contractors on various topics which included the solar incentive application volume trend, instructions on the PowerClerk application updates and metering installation status, and the net metering status of assembly bill 405 tier 2, which has surpassed 80% capacity.

Workshops, Meetings and Events

The clean energy programs staff attended the following venue(s) where they handed out brochures and/or answered questions from the attendees:

- April 6, 2019 → Solar for Homeowners Workshop, Las Vegas
- April 16, 2019 → NV Energy Employee Earth Day, Reno
- April 18, 2019 → Pearson Employee Earth Day, Las Vegas
- April 18, 2019 → Northern Nevada Facility Managers Association, Reno
- April 20, 2019 → GREENFest, Las Vegas



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