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New York Residential Solar Market Update – Q1 2017

Report Analysts: David Rather and Casey Anderson
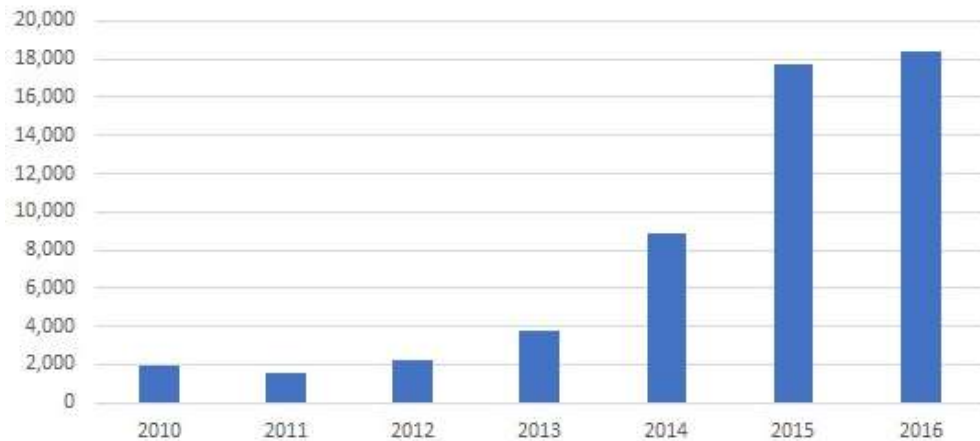**For more information on our research, please email casey@ohmhomenow.com**

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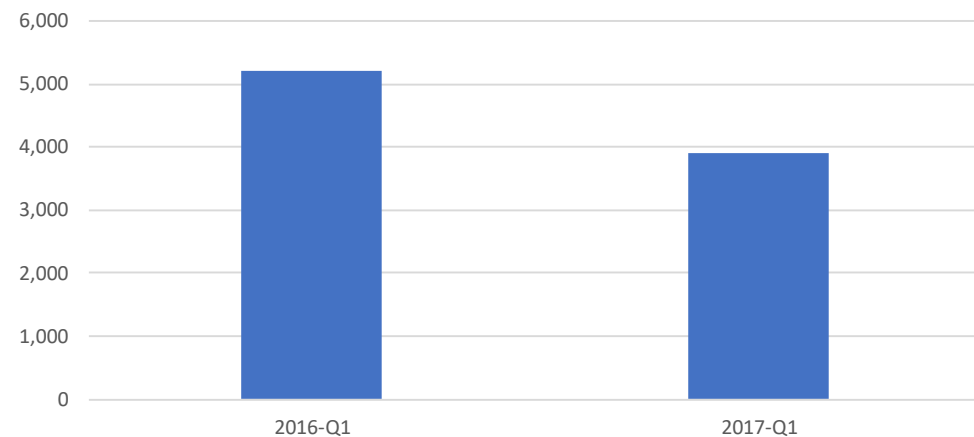
All Data Sourced From NYSERDA

Q1 New York Solar Market Update

- New York residential solar has increased significantly since 2010 to nearly 20,000 installations in 2016
- After growth slowed in 2016, Q1 2017 installations declined 25% primarily due to high penetration with early adopters and a pull-back in acquisition spend by large national solar companies
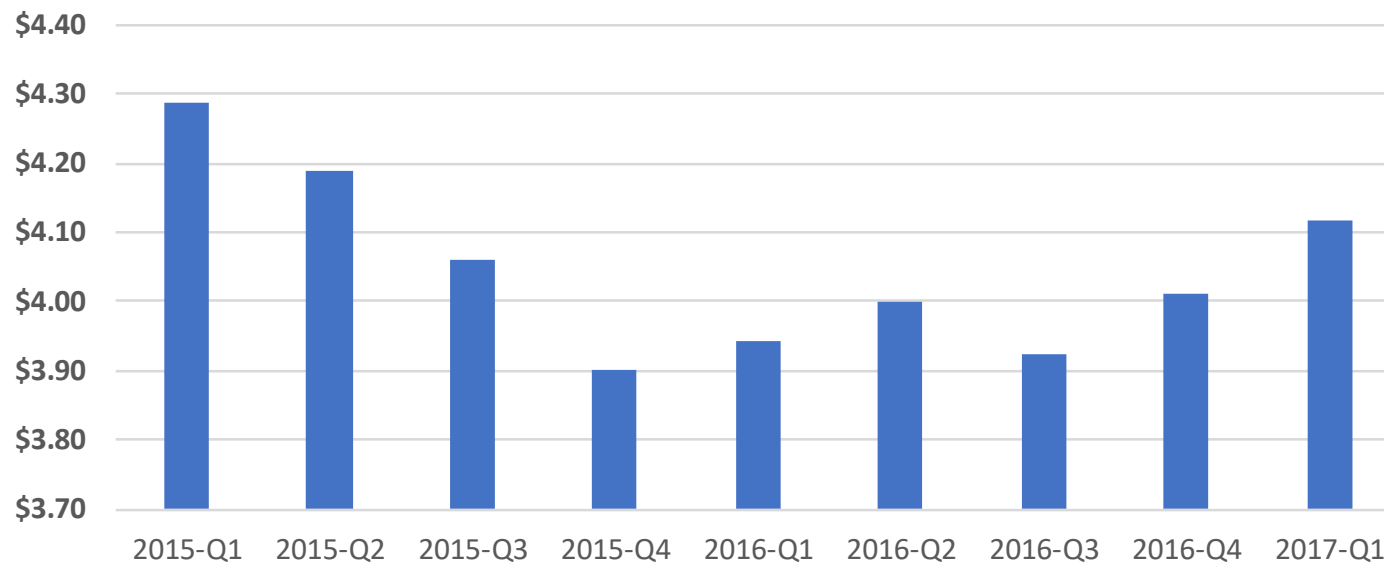
New York Residential Solar Installations

New York Residential Solar Installations

Q1 New York Solar: Pricing

- Before tax incentives, the average cost of solar panels in New York was $4.11 in Q1-17, which is a 5% decrease from $4.30 in Q1-15
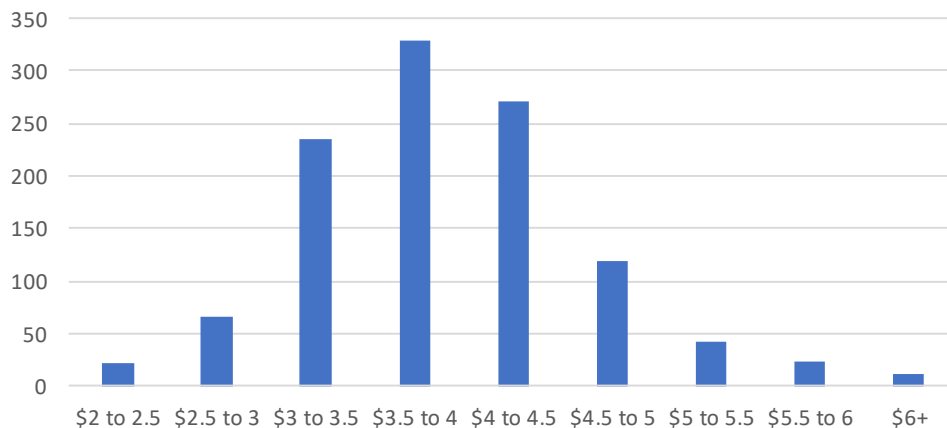- The average residential system was 7.74 kWh for an average cost of $31,830 before incentives

New York Residential Solar - Average Cost Per Watt
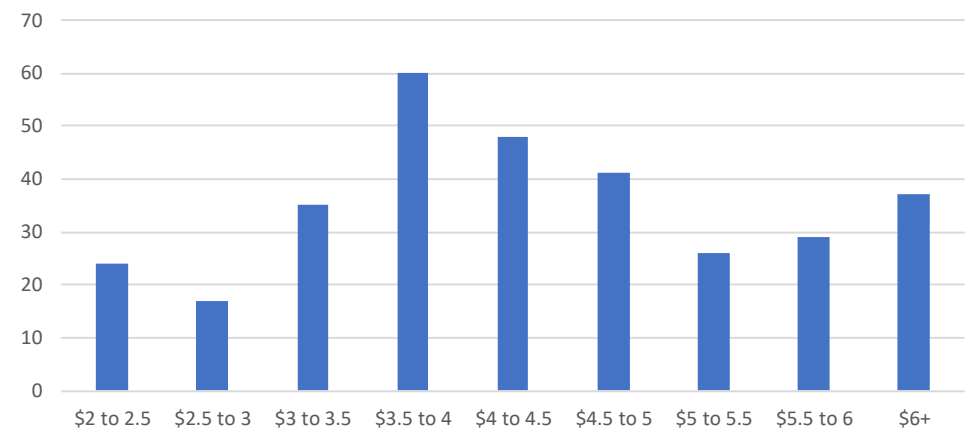(Purchased)

Q1 New York Solar: Pricing Curve

- The lower quartile of the price curve for a medium to large system was less than $3.50 per watt
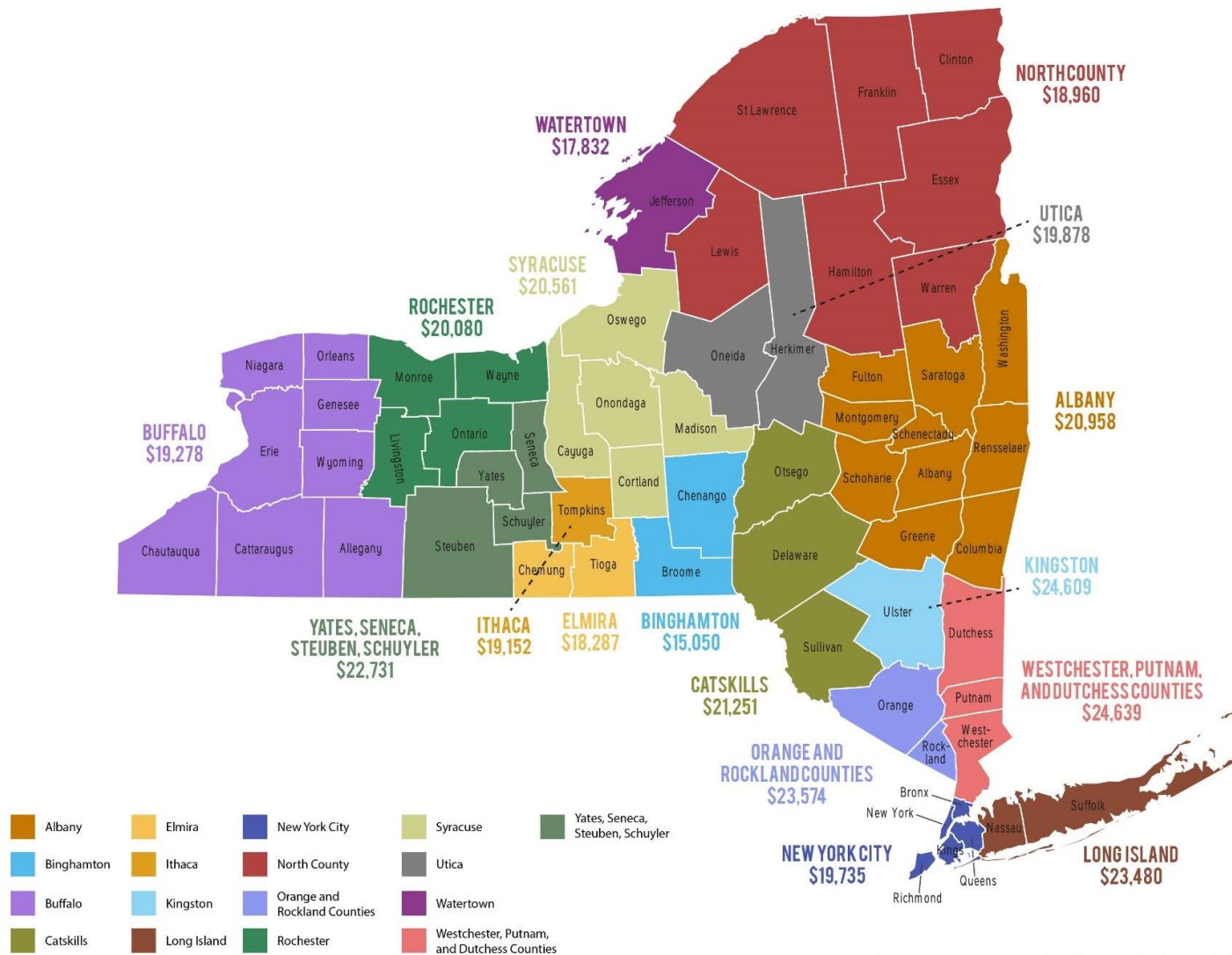- Smaller systems had a broader price curve and average higher price per watt

Cost Per Watt Distribution 5 - 10 KW Systems

Cost Per Watt Distribution 2 - 5 KW Systems

Q1 New York Solar: Prices By Region (After Incentives)

Growth By Region

- New York City was the one growth region in the state in Q1 with Long Island declining 67% due to an exhaustion of rebates

Residential Installations	Q1-16	Q1-17	Growth
Albany	898	492	-45%
Binghamton	15	11	-27%
Buffalo	202	87	-57%
Catskills	50	40	-20%
Elmira	20	11	-45%
Ithaca	38	29	-24%
Kingston	189	123	-35%
Long Island	1,548	542	-65%
New York City	452	1,475	226%
North County	142	47	-67%
Orange and Rockland Counties	624	405	-35%
Rochester	139	60	-57%
Syracuse	191	58	-70%
Utica	58	47	-19%
Watertown	13	5	-62%
Westchester, Putnam, and Dutchess Counties	583	462	-21%
Yates, Seneca, Steuben, Schuyler	30	13	-57%
Total	**5,192**	**3,907**	**-25%**

Solar Penetration

- Solar penetration, as defined as the percentage of single family homes with solar panels, reached 1.8% at the end of 2016 (or 18 per 1,000 homes)
- Richmond County (Staten Island) had the highest solar penetration in New York

Rank	County	Solar Per 1,000
1	Richmond	62
2	Tompkins	48
3	Orange	42
4	Saratoga	38
5	Montgomery	36
6	Ulster	36
7	Suffolk	35
8	Rensselaer	32
9	Dutchess	30
10	St. Lawrence	29
11	Rockland	28
12	Albany	25
13	Columbia	25
14	Nassau	22
15	Westchester	19
16	Greene	19
17	Schenectady	19
18	Washington	18
19	Seneca	14
20	Fulton	13
Total NY		**18**