

Case Study: 2992 Nostrand Ave



The Story

In April 2019, the owner of 2992 Nostrand Avenue, a rental building in Brooklyn, contacted Here Comes Solar seeking solar energy technical assistance through NYC’s Retrofit Accelerator program. Here Comes Solar staff provided the owner with a costs/savings estimate, performed an onsite assessment, and held meetings to discuss the solar tax incentives. The building owner was committed to sustainability and improving the quality of life of his tenants, and understood solar was a step in the right direction.

The building owner initially considered a smaller system size to offset the common area energy costs. However, after learning about the benefits of solar from Here Comes Solar, he quickly was eager to maximize the amount of solar energy on the roof. Finally, he decided to pursue a larger system to offset the building’s energy costs and sell additional credits through community solar—a model other multi-family buildings can adopt across the city. By making this decision, the owner would use 25% of the solar energy production to offset his entire common area electricity bill while making the rest of the energy production available to any residents in the ConEdison territory. With support of the Here Comes Solar team, the owner was able to connect with a qualified solar installer as well as Power Market who serves as the third party community solar manager for this project.

Project Snapshot

Client: 2992 Nostrand Ave
Building Type: Multi-Family Rental Building
Location: Brooklyn, NY

Financing: Direct Purchase
Solar Installer: Solar Liberty
System Size: 88.04 kW
Modules: LG 355
Inverters: Solar Edge

Lifetime Solar Production: 2,675,287 kWh
Lifetime CO2 Reduction: 3,263,850 lbs (or 1631.925 tons)

“Without the advice and direction of Here Comes Solar, bringing a solar array to Nostrand Avenue would have been a very difficult undertaking. From helping us with choosing an installer and a management and billing solution provider to helping us understand the federal, state and local tax incentives available for the installation of a solar array, the time, patience and knowledge provided by the staff at Here Comes Solar was invaluable to us.”
- Jonathan G.

Today, the solar system on 2992 Nostrand Avenue provides electricity to the building itself, the residents, and the public at large. This project is pioneering a new model for small-scale community solar projects that other buildings in New York City can follow.

Unique Characteristics

First of its Kind

First commercial, small-scale community shared solar on a multifamily rental building in New York City.

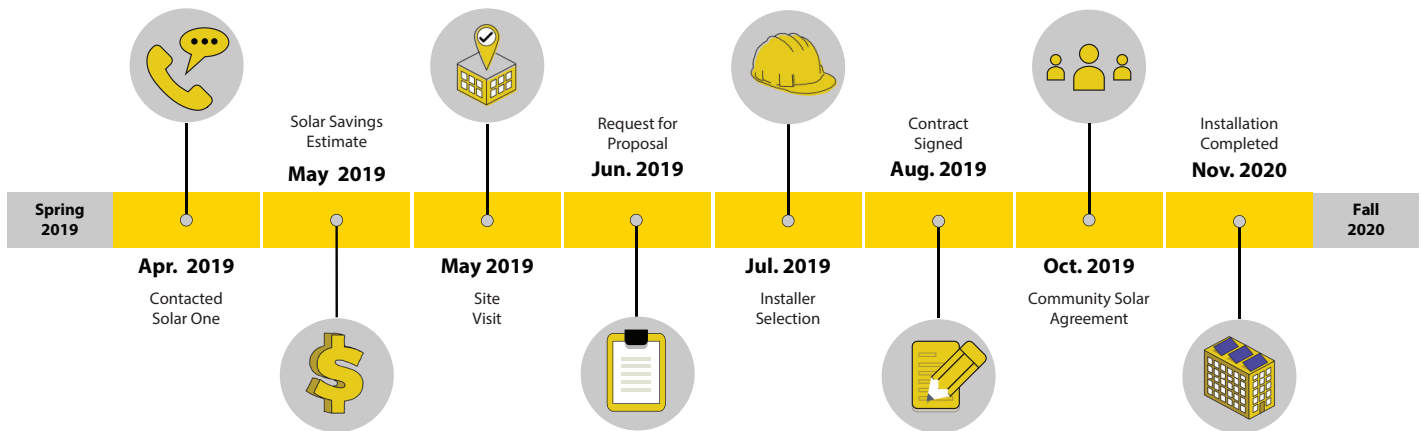
Solar Savings

The solar system offsets 100% of the common area electricity usage of the building.

Commitment to Affordability

Provides electricity at a discounted rate for 25 households including the building tenants and other customers in the ConEdison grid.

Timeline



Economics

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|------------------|-----------|
| Project Cost | \$231,810 |
| Incentives | \$189,590 |
| Net Cost | \$42,219 |
| Annual Savings | \$21,515 |
| Payback Period | 4 years |
| Lifetime Savings | \$513,356 |

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