

NYCEEC DEAL SPOTLIGHT

DC Houses Of Worship Leading a New Solar Movement

SUCCESS BY THE NUMBERS

17,106,651 kWh
PROJECTED LIFETIME ENERGY
PRODUCTION

11,209
LIFETIME GHG SAVINGS
(METRIC TONS)



DC houses of worship

THE BUILDING

Building type

Institutional

Project type

Solar PV

Building profile

4 houses of worship

NYCEEC loan product

Equipment loan

Location

Washington, DC

Term

5.5 years

Closing date

March 2020

Projected energy savings based on source savings. All information is from sources deemed reliable. No representation is made and we do not guarantee the accuracy of any information provided. No assurances can be given that the future results indicated, whether expressed or implied, will be achieved.

THE PROJECT

Sunlight General Capital, a solar developer and investor, owns and operates solar PV projects on properties owned by four separate houses of worship in Washington, DC. Each of the four sites is in or serves low- to moderate-income (LMI) communities.

Sunlight General installed roof-mounted solar PV arrays for three of the projects - Israel Baptist Church, Embassy Church and Religious Society of the Sacred Heart.

For the fourth project, Sunlight General installed a ground-mounted community solar array at the Monastery of Our Lady of Mt. Carmel, the home of the Washington Province of Discalced Carmelite Friars. Unlike the rooftop projects, the solar energy generated here is distributed to local households through community solar subscriptions. By using an innovative model created by Groundswell, a 501(c)3 non-profit that develops community solar projects and programs for underserved communities, 25% of the site's capacity is allocated to income-qualified (LMI) households to provide deep utility bill savings. As the sole lender for the project, the NYCEEC loan paid for project construction costs across the four sites.

THE PROJECT NUMBERS

Total project cost	\$1,303,570
Sponsor and tax equity	\$619,570
NYCEEC loan	\$684,000
Simple payback period	6.8 years



THE RESULTS

As a result of these four solar installations, each community of faith is able to monetize their rooftop or unused property. The total installed capacity will generate 427 kW of power. This new energy source will reduce monthly utility costs, share power with local residents through community solar subscriptions, deliver deep utility bill discounts to income-qualified households, support the District's climate and energy equity goals, and make each location more resilient.

