

## Bridge Loan to Support the Deployment of Community Solar Projects

### Eden Renewables, LLC

On November 8, 2019, NY Green Bank (“**NYGB**”) provided a 24-month senior secured \$2.5 million bridge loan facility (the “**Bridge Loan**”) to Eden Devco Borrower LLC (“**Borrower**”), which is owned by Eden Devco LP (“**Sponsor**”), a limited partnership that is managed by Eden Renewables LLC (“**Eden**”). On March 31, 2020, NYGB increased the Bridge Loan size to \$4.3 million. On August 28, 2020, NYGB further increased the Bridge Loan size to \$6.3 million. On December 15, 2020, NYGB closed on a third upside to the facility, increasing the Bridge Loan size to \$7.7 million. On July 14, 2021, NYGB closed on a fourth upside to the facility, increasing the Bridge Loan size to \$9.2 million. Bridge Loan proceeds will finance project interconnection deposits to National Grid for community distributed generation (“**CDG**”) solar projects. This transaction is expected to provide New York State (“**NYS**”) residents and businesses with a greater variety of energy choices and, ultimately, lower-cost clean energy.

### Transaction Description

Eden is developing a portfolio of CDG solar projects in NYS. The NYGB loan proceeds finance interconnection deposits to National Grid for such projects, due under the New York State Public Service Commission (the “**Commission**”) Standardized Interconnection Requirements and Application Process.<sup>1</sup>

This transaction is expected to support up to 100 MW of solar assets in NYS and is expected to: (i) provide commercial and residential project subscribers access to reliable, clean, low-cost energy; and (ii) reduce up to 1,264,927 metric tons of greenhouse gas (“**GHG**”) emissions annually in NYS. As there has been an increasingly strong demand for CDG solar throughout NYS, capital providers are recognizing, and will continue to recognize, the value in providing financing to enable the deployment of these projects. NYGB expects the Bridge Loan product to serve as a template for private capital providers.

This Transaction Profile is provided pursuant to the updated NY Green Bank – Metrics, Reporting & Evaluation Plan, Version 3.0 (the “**Metrics Plan**”) developed in collaboration with the NYS Department of Public Service and filed with the Commission on June 20, 2016.<sup>2</sup> This Transaction Profile contains specific information in connection with the Eden transaction relating to the senior secured loan entered into in November 2019, the increase of that Bridge Loan entered into in August 2020 and the latest upside to that facility entered into in July 2021, as required by the Metrics Plan.<sup>3</sup>

### Form of NYGB Investment

NYGB Product	Product Sub-Type	Committed Capital
Asset Loan & Investment	Bridge Loan	\$9.2 million

<sup>1</sup> Under the revised NYS Standardized Interconnection Requirements, within 90 business days of receiving the Coordinated Electric System Interconnection Review (“**CESIR**”) results, interconnection applicants must pay the applicable utility 25.0% of the interconnection upgrade estimates. Interconnection applicants will then pay the remaining balance of the interconnection upgrade estimates within 120 business days from the date that the initial deposit was made.

<sup>2</sup> Case 13-M-0412.

<sup>3</sup> See Section 4.0, page 8 and Schedule 3.

## Location(s) of Underlying Project(s)

Statewide.<sup>4</sup> Projects will be located throughout NYS.

## Types of Client & Counterparty Organizations that are Transaction Participants

	Name	Participant Type
<b>Client</b>	Eden Renewables LLC	Energy Project Developer
<b>Counterparties (current)</b>	National Grid	Electric Utility

## Summary of Financing Market Objectives & Barriers Addressed

Beneficiary	Market Barrier	Financing Solution
<b>Solar Project Developers</b>	Interconnection and construction financing are inefficient uses of sponsor equity and limit project deployment efforts, which restricts the amount of distributed generation development in NYS.	These transactions encourage a more efficient use of sponsor equity and support project development efforts in NYS by providing interconnection and construction financing to a project developer. NYGB's role helps to create an easier pathway forward for developers and enable greater deployment of distributed generation assets throughout NYS.
<b>Capital Market Participants</b>	It can be more difficult for private investors to assess and price the underlying risk exposures associated with distributed generation project investments at the development phase than the construction or operating phase of a project.	Projects supported by these transactions will generate project and customer performance data to draw new investors and financial institutions into the marketplace by demonstrating that competitive risk-return profiles can be achieved by distributed generation enabled business models.
<b>CDG Subscribers</b>	Due to project siting, property ownership and consumer preference issues, on-site solar project installations may not be viable for many NYS homeowners, renters, and businesses. This limits solar access to those with suitably sited homes or businesses.	These transactions support the deployment of CDG solar projects, which provide those who are not otherwise able to install solar energy generation systems on their property (e.g., homeowners whose rooftops cannot support solar systems, renters and those who cannot afford solar standalone systems), with increased access to clean, low-cost energy, regardless of where their home or business is located.

## Technologies Involved

Technology	Measures
<b>Renewable Energy</b>	Solar photovoltaic systems

<sup>4</sup> Defined as projects located in four or more regions of the State.

## Metrics & Evaluation Plan

### Planned Energy & Environmental Metrics

NYGB’s minimum investment criteria require that “transactions will have the potential for energy savings and/or clean energy generation that will contribute to GHG emission reductions in support of New York’s energy policies”.<sup>5</sup> In addition, the Metrics Plan requires that the following energy and environmental measures applicable to this transaction be reported:<sup>6</sup>

- Estimated gross lifetime and first-year electricity savings (MWh);
- Estimated gross lifetime and first-year fuel savings (MMBtu); and
- Estimated gross lifetime and first-year GHG emission reductions (metric tons).

The estimated gross lifetime and first-year energy and environmental impacts of the Bridge Loan are as follows:

Energy/Environmental Impact	Lifetime Low Estimate	Lifetime High Estimate	Annualized Low Estimate	Annualized High Estimate
Estimated clean energy generated (MWh)	1,304,802	2,528,706	52,192	101,148
Estimated clean energy generation installed capacity (MW) <sup>7</sup>	45.00	87.21	Not Applicable	
Estimated GHG emission reductions (metric tons)	652,697	1,264,927	26,108	50,597

### Planned Market Characterization Baseline & Market Transformation Potential

The Metrics Plan requires that market evaluation occur when a critical mass of NYGB financing and investment arrangements are in place. Market evaluation activities commenced in 2018 on sectors that NYGB has supported since inception, consistent with the requirement for such assessments approximately three to five years following initial NYGB capital deployments.<sup>8</sup> NYSERDA collected baseline data for the NYGB portfolio in 2019 and will update the data to include indicators specific to this transaction. NYSERDA will use baseline data collected for indicators as a comparison point against which to assess market progress in later studies. Progress indicators are defined below for the short, medium and long terms.

NYGB expects that program and/or future market evaluation will demonstrate progress across short-term indicators; including:

- Size (i.e., generation capacity and expected dollar value) and location of projects financed by the Bridge Loan;
- Aggregate expected energy generation for projects financed by the Bridge Loan; and
- The number of projects that finalize construction financing arrangements.

NYGB expects that program tracking and/or future market evaluation will demonstrate progress across medium- and long-term indicators; including:

- Increased market volume of CDG projects;
- Increased general understanding of renewable energy benefits by financial community;
- Increased awareness and use of CDG subscriber performance data by financing entities;
- Increased awareness and use of project/technology performance data by financing entities;
- Demonstration of competitive risk-return profiles for CDG investment;
- Decreased project costs;
- Increased volume of secondary market financing of distributed solar assets; and

<sup>5</sup> Case 13-M-0412, “Order Establishing New York Green Bank and Providing Initial Capitalization” issued and effective December 19, 2013 of the Commission, Ordering Clause 6 at pages 24 – 25.

<sup>6</sup> See Metrics Plan, Section 2.0, pages 2 - 6.

<sup>7</sup> Installed clean energy generation capacity at full deployment of funds is the same for first-year and lifetime duration.

<sup>8</sup> See Metrics Plan, Section 3.3 at page 7.

- Presence and number of new lending participants.

## **Proposed Method of Outcome/Impact Evaluation (by NYSERDA) & Timeframe**

NYSERDA will evaluate the impact this transaction has had on the clean energy finance markets and the energy/environmental benefits it delivers.

**Market evaluation** will assess the short, medium and long-term indicators identified above. Methods will include analysis of program data along with interviews and surveys of market participants (e.g., project subscribers, financial community) to track information including but not limited to: participation rates, project scale information, interest in solar financing (generally and with regard to CDG specifically), and influence of NYGB's participation on financial markets. As noted, NYSERDA collected baseline data on key indicators in its first phase evaluation during 2018 – 19. Later follow-up studies will assess progress against baseline levels for other market segments as those evolve. The specific timing of these efforts may be revised based on experience or other factors as NYGB's investment portfolio further develops and evolves.

**Impact evaluation** will assess which of the projects funded under the Bridge Loan raised construction financing and were completed, commissioned, and placed in service.

In accordance with the Metrics Plan, NYGB will track Eden projects that receive incentives or funding from other entities (e.g., utility, other NYSERDA programs) to minimize any double-counting activity on a consolidated basis. As set out in the Metrics Plan, evaluation sampling approaches will also be used as a mechanism to estimate overlap and minimize double counting. NYSERDA and NYGB will attempt to coordinate market and impact evaluation activities for projects that receive support from multiple sources in order to maximize the efficiency of data collection and avoid participant survey fatigue.