



NY Green Bank Advances New York's Clean Energy Opportunities

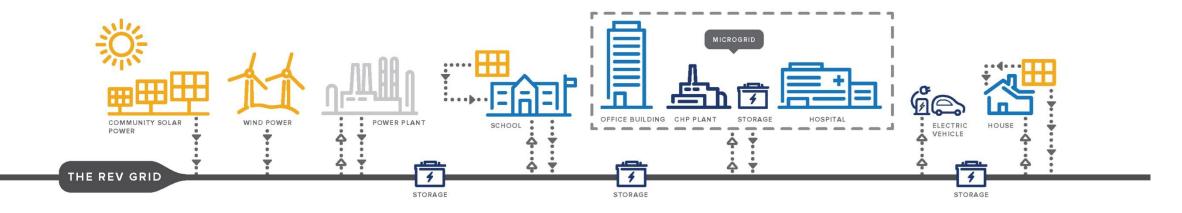
Mission:

To accelerate clean energy deployment in New York by working in collaboration with the private sector to transform financing markets

- What: New York's \$1 billion State-sponsored investment fund
- How: Mobilize greater private sector activity to increase the availability of capital for clean energy projects
- Why: Alleviate financing gaps in New York's clean energy markets and create a cleaner, more resilient and affordable energy system



New York's Reforming the Energy Vision

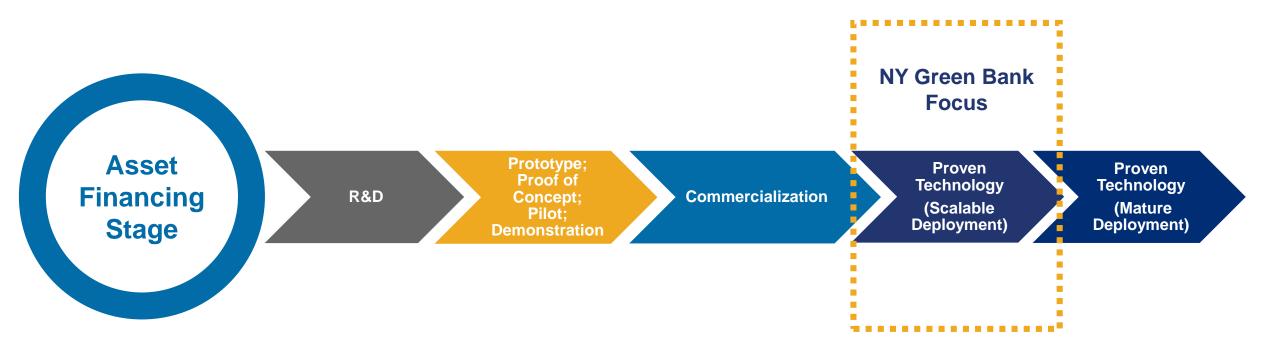


Reforming the Energy Vision (REV):

Governor Andrew M. Cuomo's strategy to build a clean, resilient and affordable energy system for all New Yorkers



NY Green Bank Investment Focus





NY Green Bank Investment Criteria

Primary Investment Criteria:

- Demonstrate potential energy savings and/or GHG reductions
- Demonstrate how the transaction contributes to market transformation
- Be economically and technically feasible, and provide financial returns to NY Green Bank

Elements of a Strong Transaction:

- Capable and experienced management team
- Quality counterparties
- ✓ Interested and engaged private sector capital providers
- ✓ Identified and articulated role for NY Green Bank
- ✓ Economically viable business model that is replicable, scalable, and
- ✓ A financial model with realistic assumptions



NY Green Bank - Investment Types

- Term debt, including:
 - Senior project-level debt
 - Backleverage
 - Subordinated / mezzanine
- Construction financing
- Revolving warehouse and aggregation facilities
- Credit enhancements
- Project-level equity / preferred equity



Working with NY Green Bank

Open Solicitations

- RFP 1: Clean Energy Financing Arrangements
- RFP 7: Construction & Back-Leveraged Financing for Ground-Mounted Solar
- RFP 8: Efficiency & Renewables Financing Arrangements: Building & Property Owners
- RFP 10: Construction and Aggregation-to-Term Financing for CDG Solar Projects
- RFI 4: Financing for Energy Storage Projects in New York State



Example Counterparties















































Energy Storage Market Drivers

Policy Tailwinds:

- Gov. C. Energy Storage Deployment legislation: \$200 MM of NYGB investment committed to meet energy storage target of 1,500 Megawatts by 2025
- REV 50% clean energy by 2030 (but needs storage to support solar growth)

Battery Cost Reduction:

- Lithium ion battery costs have reduced 75% since 2010
- Increased global manufacturing capacity driving additional cost reductions

Financing Mechanism:

 NY Green Bank to support policy tailwinds and help provide financing solutions to monetize the full value of storage



Barriers to Financing Energy Storage

- Uncertainty of revenue streams from value-stacked sources
- Lack of understanding of storage benefits for end users not familiar with the technology
 - O Resiliency, load shifting, demand management, frequency regulation, capacity, etc.
- Limited number of financing partners willing to provide long term capital
- Unfamiliarity with VDER



Potential NY Green Bank Financing Solutions for Energy Storage

- Provide credit for various value streams
- Take a forward view on price
- Remain technology agnostic
- Leverage NYSERDA technical and markets expertise



