

Introduction to New York Green Bank

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Executive Summary

Overview

Strategy

Timeline

- What: NYGB is a state-sponsored investment fund designed to accelerate clean energy deployment through various wholesale financing strategies.
- Why: Immature, fragmented clean energy markets keep soft costs high even as hard costs decline, keeping many attractive investments out of reach to private sector.
- How: Work with existing intermediaries to make progress in the market.
- When: Early 2014 building the organization and developing business even as we meet.



What is the NY Green Bank?



An integral & integrated part of a larger state energy strategy

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NY Green Bank is a state-sponsored investment fund designed to help fill gaps in clean energy financing markets while supporting strategic statewide energy plan

NY Green Bank Objectives

- Mobilize greater private sector clean energy investment
- Use a financing / partnership model to overcome market-level obstacles and uncertainties
- Enable fluid private financing markets and functioning capital markets
- Create new value for ratepayers; unlock opportunities for investors & businesses

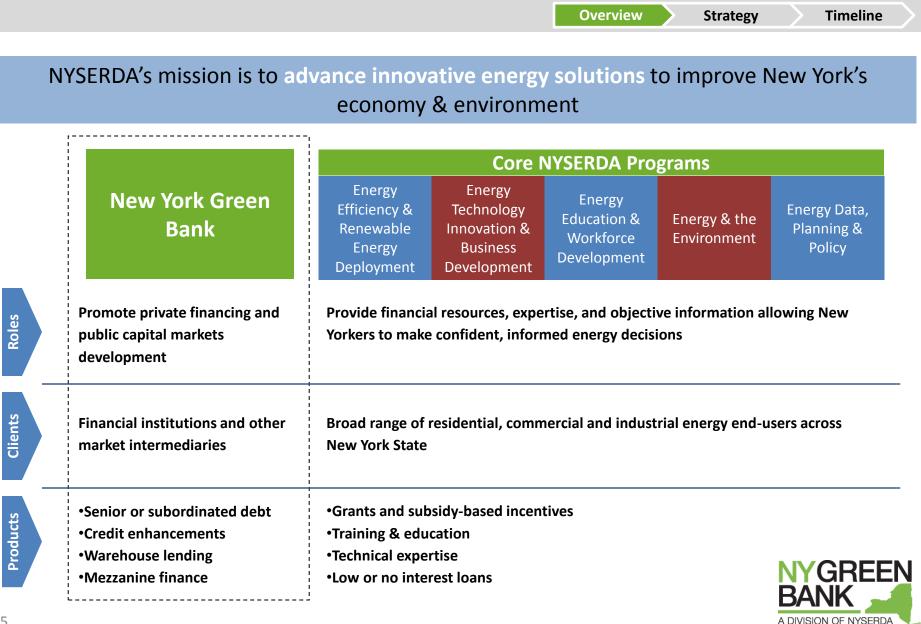
New Direction for the State

Strategy

- Cabinet-level Chairman of Energy & Finance created to marshal assets and integrate NYGB as part of larger comprehensive statewide strategy
- Focus on animating markets, getting more leverage with public dollars, and optimizing strategies to drive scale
- Solidify and expand New York's leadership in clean energy economy



A new division of and direction for NYSERDA



Substantial (and growing), attractive investments remain unrealized

Overview

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NY-Based Clean Energy Markets

Selected Technologies	Est. Market Size (\$B)
Energy Efficiency	\$55
Solar PV	\$13
Combined Heat & Power (CHP)	\$8
Biomass	\$4
Onshore Wind	\$4
Further Technologies	-
Source: Booz – NY Green Bank Final Report	

\$85B

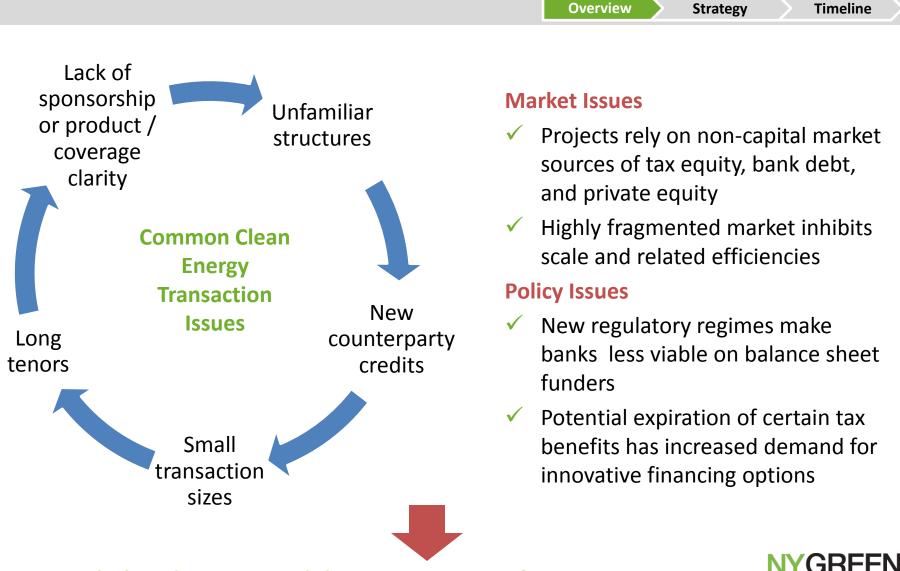
Sizeable Investment Opportunities

Strategy

- Clean energy project investment can provide attractive risk/return profiles
- \$85B directional estimate of NYbased projects is conservative; excludes potential for:
 - ✓ Further technology improvement
 - Utility scale generation, fuel cells, charging stations, solar hot water systems, and other emerging clean technologies



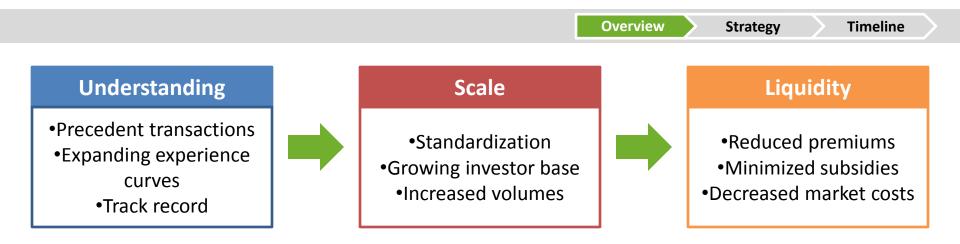
Known market barriers create widespread financing constraints



A DIVISION OF NYSERDA

Overwhelmed system and de-prioritization of energy investments

NY Green Bank will strategically leverage \$1 billion to overcome barriers



- Value proposition: incubate and drive volume for underserved transaction types and act as bridge to efficiently functioning private sector financing markets
- Key activities: combine conventional credit tools with commercially-proven technologies and economic but not readily financeable projects
- ✓ Key partners & resources: work in conjunction with (not as competitor to) private entities to leverage both capital pools and institutional capabilities
- Cost/revenue structure: achieve return of (and targeted return on) capital invested



How will NY Green Bank work?



Fulfill certain roles that maximize potential to expand markets



What we will do:

- Support development of liquidity in markets
- Provide various forms of credit enhancement
- Develop and incubate new structures
- Standardize and aggregate for further distribution

What we won't do:

- Accept credit and/or project risks that are unacceptable to the private market
- Take non-commercially-proven technology risks
- Offer direct subsidies
- Pick winners and losers or pursue one-off transactions without the ability to replicate



Identify, develop, and execute on scalable opportunities

Overview Strategy

At a minimum, NY Green Bank transactions will:

- ✓ Have expected financial returns such that the revenues of the Green Bank on a portfolio basis will be in excess of expected portfolio losses;
- Be expected to contribute to financial market transformation in terms of scale, improved private sector participation, level of awareness and confidence in clean energy investments, and/or other aspects of market transformation; and
- Have the potential for energy savings and/or clean energy generation that will contribute to greenhouse gas reductions in support of New York's clean energy policies.

Following a period of Green Bank involvement, these transactions should ultimately be able to be funded by the private sector on a standalone basis



Offer solutions to clean energy market and transaction issues

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Example financial support mechanisms

- Credit enhancements e.g. set-up loan loss reserve funds or payment / performance guarantees
- Warehouse lending— e.g. pool funds to aggregate smaller loans until ready for secondary sale
- Direct lending/investing e.g. take subordinated debt positions or revolving loans to fund broader origination

Other structured solutions as needed

Advancing financing markets

- •Develop structures and do groundwork to streamline processes
- •Tie deals to precedents as applicable
- •Engage in strategic partnerships
- •Promote ratings and standardization
- •Require accumulation of credit and performance data

•Isolate and distribute off-take or servicer credit to appropriate institutional parties

