NY Green Bank Quarterly Metrics Report No. 25 (September 30, 2020)

Webinar December 3, 2020



Y Green Bank

Agenda



- Performance
- Portfolio Update
- Objectives, Milestones & Deliverables
- Trends
- What's Coming Next?
- Stay In Touch with NY Green Bank
- Q&A

Performance & Portfolio Update



Performance at a Glance



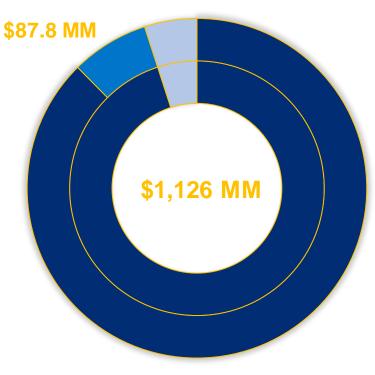
Cumulative commitments of over \$1.1 billion

\$87.8 million committed across 8 investments during the quarter

Generated **\$100.2 million** of cumulative revenue

Expected to mobilize up to \$3.0 billion in NYS project costs Expected to deliver an estimated 11.6 – 21.7 million metric tons of CO_{2e} emissions reductions

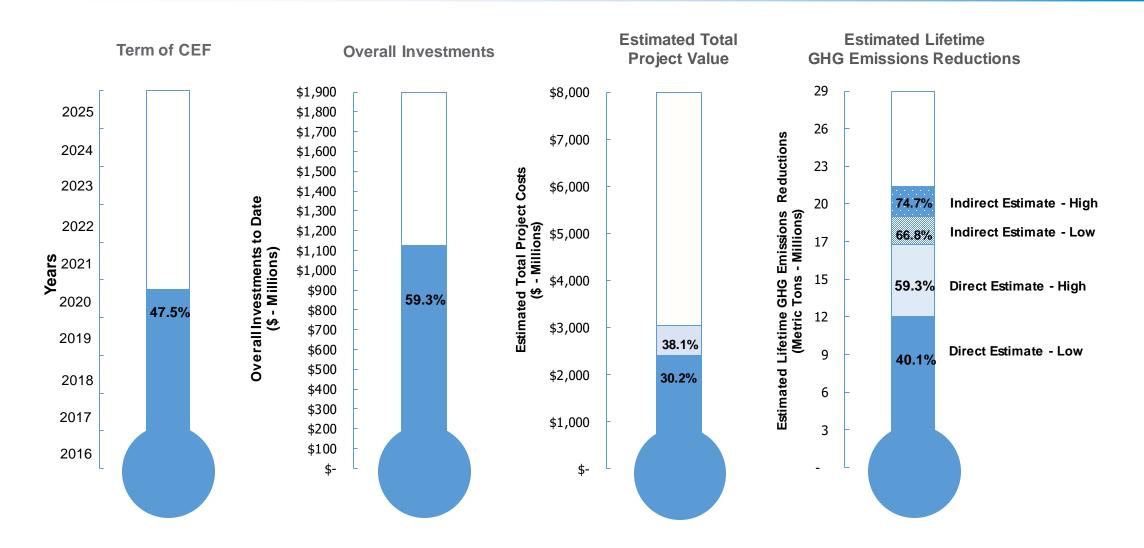




Investments to Date
 Commitments During Quarter
 Remaining to Meet FY Target

Progress Toward Targets





Q3 2020 Transactions



Saranac Waterfront Lodges

- \$2.0 MM bridge added to existing preferred equity investment
- Meeting liquidity requirements resulting from construction and operational delays
- Expected emission reductions (from total transaction): 633 MT

Generate Capital – Upsize

- Existing term loan facility increased by \$29.8 MM and maturity extended to 2023
- Expected to result in at least \$60 MM Sponsor investment in NYS
- Expected emission reductions (from total transaction): 298,866 MT

Sunrun Mars

- \$19.0 MM participation in aggregation-to-term loan facility
- Supporting continued development and deployment of residential solar projects in NYS and elsewhere
- Expected emission reductions (all Sunrun transactions): 1.5 million MT

Q3 2020 Transactions



Eden – Upsize 2

- \$2.0 MM upsize to existing bridge loan facility
- Financing interconnection deposits for CDG projects
- Expected emission reductions (from total transaction): 373,019 MT

OYA Solar

- \$35.0 MM construction and interconnection facility
- Supporting up to 78 MW CDG solar capacity across at least 5 projects
- Expected emission reductions: 396,765 MT

Paycheck Protection Program Loans

- PPP Loan 1: \$9,605.9
- PPP Loan 2: \$1,724.0
- PPP Loan 3: \$14,613.2

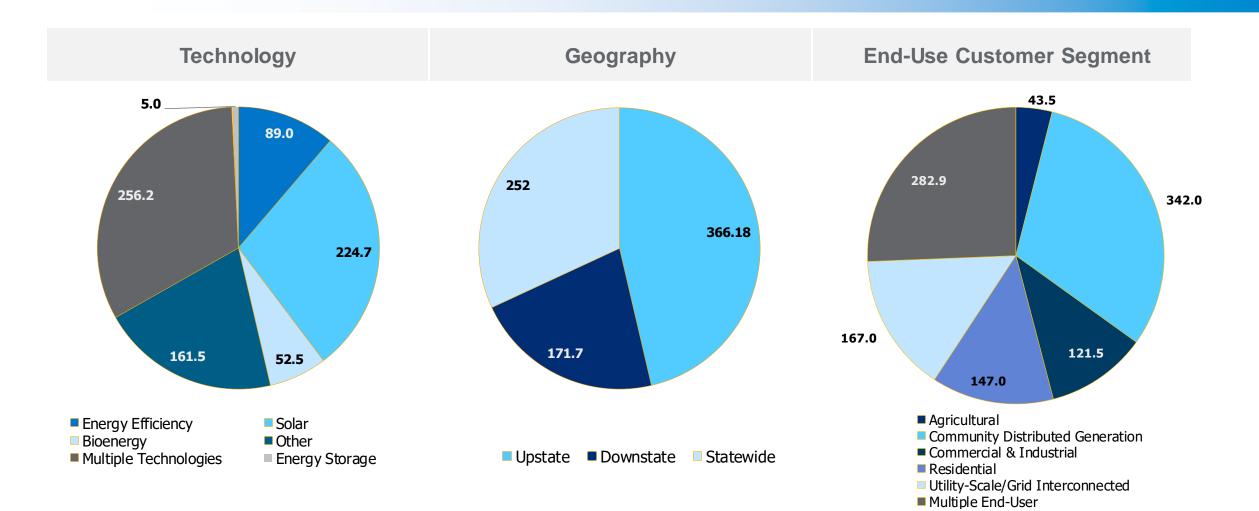
Case Study – Interconnection Financing



	Transaction Overview	Market Barrier		Fina	ncing Solutio	n
Product Type	Bridge Loan	The funding of interconnection deposits may result in an inefficient use of sponsor equity or development capital and limit deployment potential of CDG projects in		This type of financing product encourages a more efficient use of sponsor equity or development capital. NYGB's role helps to create an easier pathway forward for		
Client	EDEN RENEWABLES	NYS		developers and deployment of assets through	d enable greate distributed ger	er
Committed	\$6.3 MM	Ene	erav/Envir	onmental Imp	mpacts	
Capital	φ0.3 ΙνΙΙνΙ		Lifetime	Lifetime	Annualized	Annualized
Market Sector	Community Distributed Generation		Low Estimate	High Estimate	Low Estimate	High Estimate
	(CDG)	Estimated clean energy generated (MWh)	745,700	1,739,967	29,828	69,599
Technology	Solar photovoltaic systems	Estimated clean energy generation installed capacity (MW)	25.34	59.12	Not App	olicable
Use of Proceeds	Loan proceeds finance project interconnection deposits to National Grid for a portfolio of CDG projects	Estimated GHG emission reductions (metric tons)	373,019	870,378	14,921	24,815

Distribution of Active Q3 2020 Pipeline by:





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Objectives, Milestones & Deliverables



Progress on 2020-21 FY Objectives



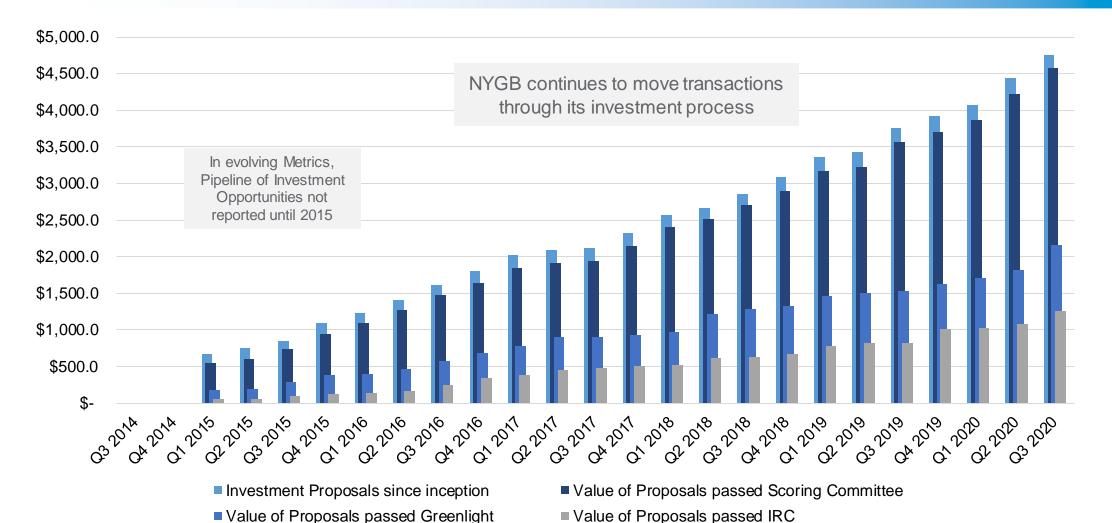
	Objective	Progress
COVID-19 Recovery	Provide liquidity to clean energy market participants	Closed 3 Paycheck Protection Loans with eligible applicants
Strong and Growing Portfolio	Incremental commitments and active pipeline across market segments	Exceeded quarterly targets for incremental commitment and active pipeline value
LMI Initiative	Design and launch initiative to deploy capital at-scale into LMI communities	Initiative launched and new opportunities moved into Pipeline
Mobilize Capital	Continue progress toward appropriate capital mobilization target	As of September 30, 2020, cumulative investments expected to mobilize \$3.0 billion in project costs within NYS
Maintain Financial Position/ Strengthen Operations	Engage outside expertise for valuation and LMI deal services; revise proposal submission and evaluation processes	Engaged advisor to support investment activity within NYS's affordable housing market; updates to NYGB Investment RFP and Scoring Criteria proposed and under review

Trends



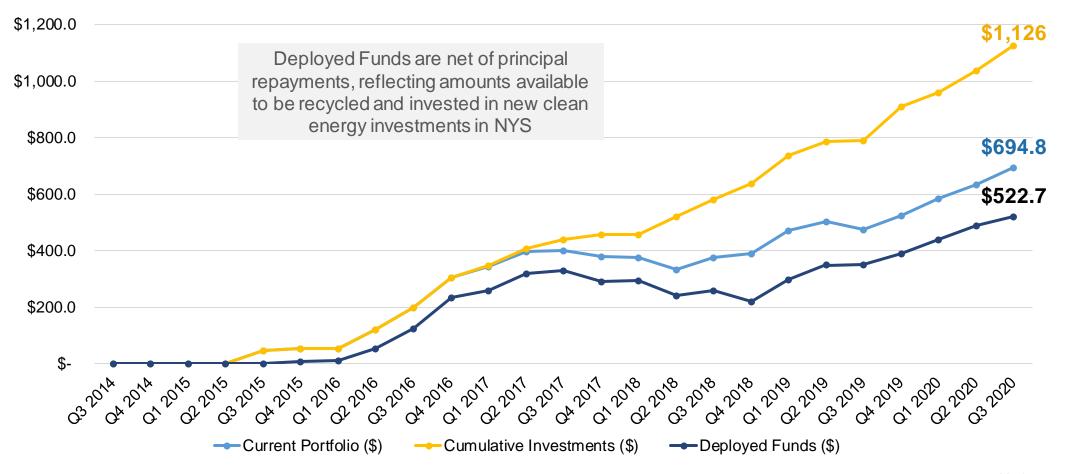
NYGB Pipeline of Proposals & Approvals





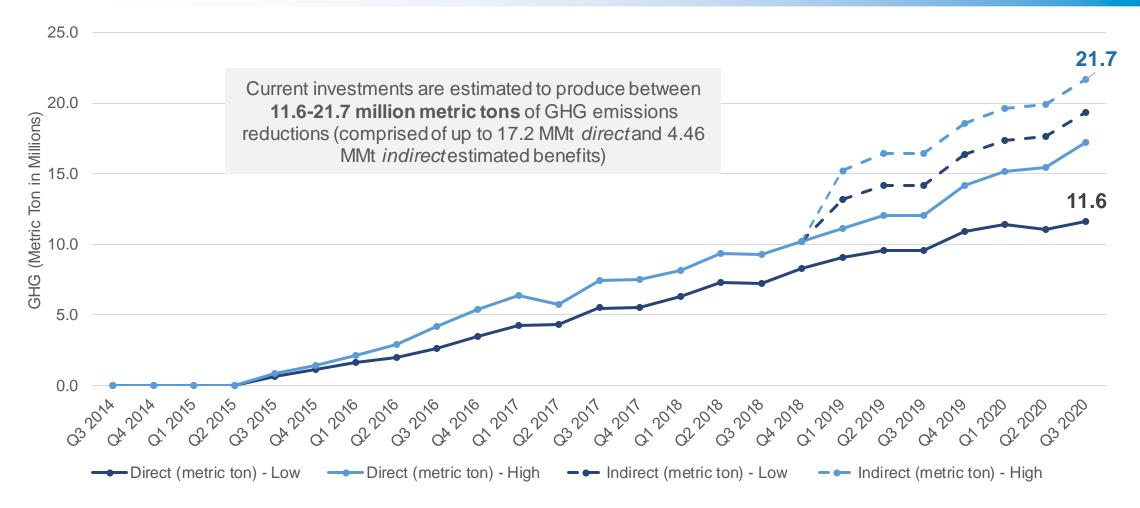
NYGB Analysis; DealCloud Data

Cumulative Investments, Current Portfolio & Current Deployed Funds



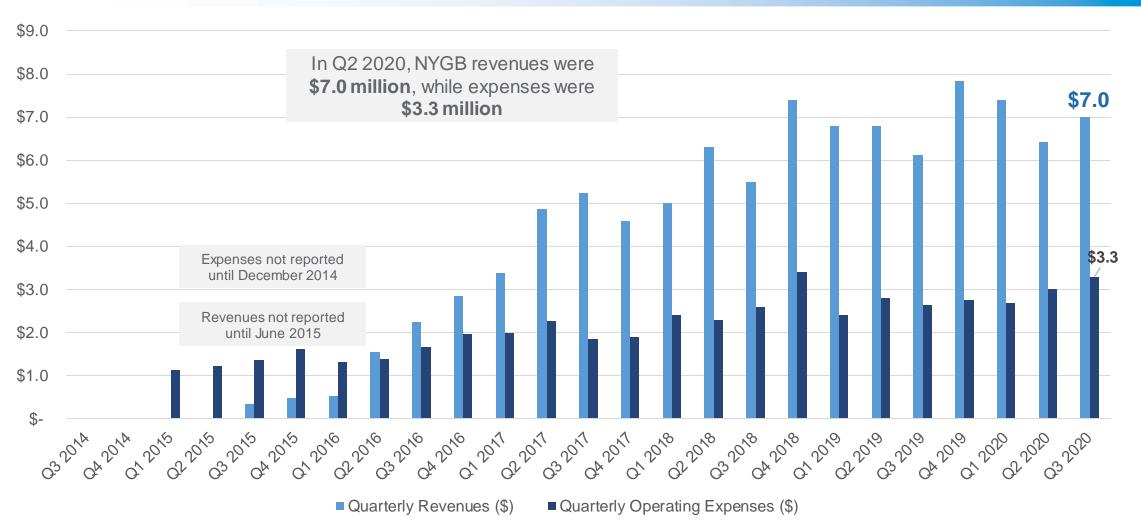
NYGB Analysis; SS&C Data

Estimated Gross Lifetime GHG Emission Reductions for Committed Funds & Deployed Funds



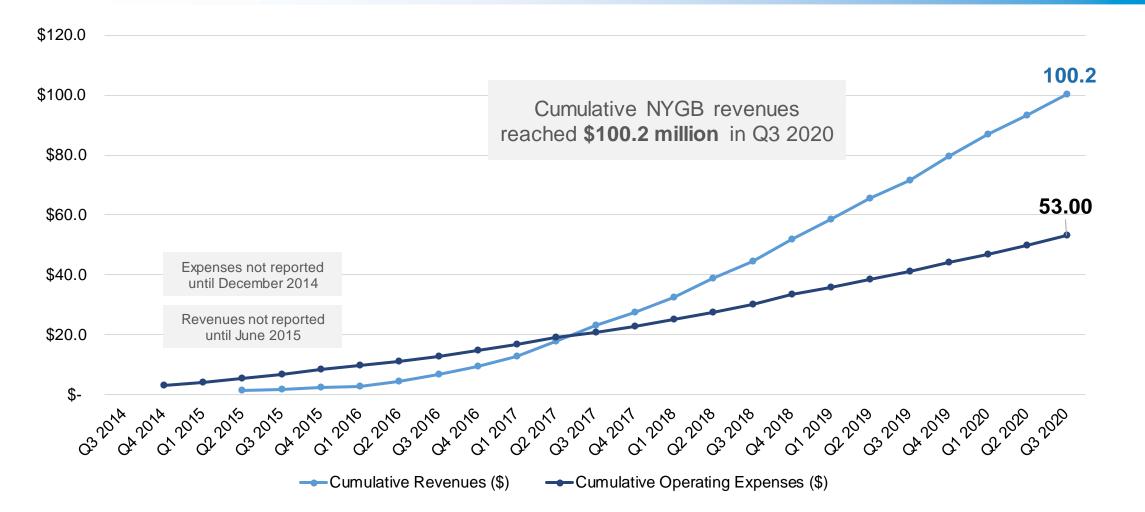
NYGB Analysis; SS&C Data

Quarterly Revenues vs. Expenses



NEW YORK NY Green Bank

Cumulative Revenues vs. Expenses



NEW YORK NY Green B

What's Coming Next?



What's Coming Next



- > Next Quarterly Report
 - For the quarter ending December 31, 2020, the next Metrics, Reporting & Evaluation Quarterly Report will be filed with the PSC on February 14th, 2021
- > KBRA's 2nd Annual ESG Conference, December 7 at 10:10 AM ET
 - NYGB President, Alfred Griffin, will be on the panel "Climate Change: Goals and Solutions" discussing how private and public sector capital is being leveraged in the U.S. to address climate change and how COVID-19 has affected the clean energy market

Contact NY Green Bank



- > Sign up for our mailing list for periodic updates on our website: <u>www.greenbank.ny.gov</u>
- > All additional information is available on the website, including all RFI and RFP opportunities: <u>www.greenbank.ny.gov</u>
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Q&A



Contact us at info@greenbank.ny.gov to discuss potential investment ideas

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Appendix





Category	Deliverable	Status in Quarter Ended September 30, 2020
Support Post-COVID-19 C	risis Economic Recovery	
 Market Engagement 	 Develop and implement survey to understand COVID- 19 impact and post-PAUSE stakeholder financing needs. Convene market participants via Webinar to communicate NYGB's specific approaches to provide liquidity to clean energy financing markets. 	✓ Achieved Last Quarter: On April 14, 2020, issued the COVID-19 Impact Survey that 140+ clean energy market participants responded to identifying financing gaps and near- term financing challenges emerging in clean energy industry because of current circumstance. To remain collaborative and responsive to changing market needs, NYGB developed and communicated its financing solutions in the COVID-19 Impacts Webinar on June 2, 2020.
 Liquidity Solutions 	 Develop and implement financing structures to provide liquidity to clean energy market participants during and following the NY Forward reopening of the State's economy. 	✓ Ongoing and On-track: In the COVID-19 Impacts Webinar, NYGB outlined various financing solutions to address financing needs emerging as a result of COVID-19. In addition, on July 15, 2020, NYGB issued PON-1: Paycheck Protection Program Loans ("PON-1"). Under PON-1 eligible applicants could apply to NYGB for a Paycheck Protection Program loan to cover payroll costs and certain other expenses. In order to satisfy NYGB's mandate, PPP loans must have the potential to enable borrowers to reduce greenhouse gas emissions in New York State. In the third quarter, NYGB executed three transactions under PON-1.



Category	Deliverable	Status in Quarter Ending September 30, 2020
Strong and Growing P	ortfolio Driving Material Clean Energy Investments Across	NYS
 Committed Funds 	 Deliver at least \$225.0 million of incremental commitments in the 2020 – 21 Plan Year (at an average rate of \$56.25 million in closed transactions per quarter). 	☑ <u>Ongoing and On-track:</u> NYGB committed \$87.8 million during the third quarter of the Plan Year.
 Active Pipeline 	 Maintain an Active Pipeline of at least \$450.0 million per quarter on average throughout the 2020 – 21 Plan Year. 	Achieved for the Quarter: NYGB's pipeline pf \$789.9 million meets the quarterly target.
 Clean Energy for Disadvantaged Communities 	 Design and launch an initiative to deploy capital at scale into LMI and other disadvantaged communities including as appropriate, modified goals, metrics and investment criteria. 	Achieved this Quarter: NYGB worked with Community Development Financial Institutions, housing agencies, affordable housing developers and operators, and other groups to launch a new initiative this fall aimed at making investments of at least \$150 million to expand clean energy and energy efficiency solutions that benefit New York's affordable multifamily housing market.
 Large-Scale Renewables 	 Assist NYSERDA in evaluating OSW port infrastructure projects to help achieve the State's \$200.0 million goal of supporting port infrastructure investment. 	✓ Ongoing and On-track: On July 21, 2020, NYSERDA, with the support of NYGB, Empire State Development and the New York State Department of Transportation, issued a combined solicitation for investing in the state's port infrastructure, ORECRFP20-1.
	Coordinate outreach to awardees of the NYSERDA approved land-based renewable projects to communicate NYGB's financing approach.	Achieved for the Quarter: NYGB conducted outreach to the awardees of the NYSERDA approved land-based renewable projects and outlined its financing approach.



Category	Deliverable	Status in Quarter Ending September 30, 2020
Strong and Growing Port	folio Driving Material Clean Energy Investments Across	NYS
 Energy Storage 	 Convene tax equity providers and other lenders interested in providing capital to projects that include energy storage to explain NYGB's financing approach and demonstrate how tax equity providers could access projects. 	☑ <u>Not Yet Started</u>
 Energy Efficiency 	 Contribute to NYSERDA's Advanced Efficiency Solutions Program's initiatives as applicable to describe NYGB's approach to financing energy efficiency projects in commercial buildings. 	☑ <u>Not Yet Started</u>
 Clean Transportation 	 Participate in a webinar with EV100 to raise awareness of NYGB's clean transportation financing approach and outline the financing structures NYGB has developed to address the challenges associated with EV and EV infrastructure financing. 	Achieved this Quarter: On August 18, 2020, NYGB presented in the EV100 Webinar: <i>Funding Your Company EV</i> <i>Fleet Conversion and Deploying Charging.</i> NYGB presented its capital solutions for financing company fleet conversions to electric and deploying charging infrastructure.
 Technology & Business Innovation 	 Host a webinar in conjunction with NYSERDA's Technology to Business Innovation Program to articulate how NYGB can help finance emerging business models at the commercial deployment stage. 	☑ <u>Ongoing and On-track</u> : In collaboration with the NYSERDA Technology to Business Innovation Program, NYGB will be holding this webinar during the Plan Year.



Category	Deliverable	Status in Quarter Ending September 30, 2020
Mobilizing Capital in Supp	oort of CEF and CLCPA Goals	
Mobilization Ratio	 Continue progress toward mobilizing capital into clean energy and sustainable infrastructure projects in the State through NYGB activity by the end of the CEF in 2025. Reassess original CEF \$8.0 billion capital mobilization target as part of CEF triennial review. 	☑ Ongoing and On-track: At quarter end, NYGB investments were expected to mobilize \$3.0 billion of project costs in NYS. NYGB continues to analyze forecasted mobilization as part of the CEF triennial review.
 Debt Facility 	Put in place a debt financing (e.g., bank facility, bond issuance or other structure) if prudent decision-making supports, taking into consideration the pace of capital commitment and the time expected to complete the debt financing, to ensure the ability to continue funding clean energy assets at the point that investments are expected to exceed NYGB's current capitalization.	☑ <u>Ongoing and On-track</u> : NYGB has reengaged its strategic advisor related to addressing NYGB's liquidity needs and actively exploring options for advancing a future debt financing.
LMI Initiative	 Develop mobilization and impact goals related to dedicated commitment to transactions supporting LMI and disadvantaged communities to meet the goals of the CLCPA. 	Ongoing and On-track: NYGB concluded its engagement with a consultant and continues to develop mobilization and impact goals.



Category	Deliverable	Status in Quarter Ending September 30, 2020
Strengthening Operations		
 Legal Services for LMI Transactions 	 Identify approved law firms with practice groups dedicated to LMI-focused transactions. 	☑ <u>Ongoing and On-track</u> : NYGB identified law firms from its pool of pre-qualified law firm that are willing to cap their fees for transactions that support disadvantaged communities.
 Valuation Services 	 Evaluate and select slate of approved valuation services providers pursuant to RFP 14. 	☑ <u>Ongoing and On-track</u> : NYGB received and evaluated proposals during the quarter ended June 30, 2020.
 Investment Proposal Submission Process 	 Review and revise RFP 1 to clarify NYGB's investment criteria and streamline the proposal submission process. 	☑ <u>Ongoing and On-track</u> : NYGB has proposed quantitative and qualitative changes to NYGB investment RFPs to capture projects' potential to benefit LMI/disadvantaged communities.

Quarterly Metrics



Quarterly Metric	Prior Quarter	Current Quarter
Capital Position		
Authorized Capital (\$)	\$1.0 billion	\$1.0 billion
 Authorized Administrative Expenses (\$) 	\$17.6 million	\$17.6 million
 Authorized Evaluation Expenses (\$) 	\$4.0 million	\$4.0 million
Operational Matters		
Cumulative Revenues (\$)	\$93.2million	\$100.2 million
Cumulative Operating Expenses (\$)*	\$49.7 million	\$53.0 million
Direct Operating Expenses (\$)	\$30.6 million	\$32.8 million
Allocated Expenses (\$)	\$19.1 million	\$20.2 million
Credit Facility (if in place)		
Credit Facility Amount (\$)	Not Applicable	Not Applicable
Credit Facility Drawn Amount (\$)	Not Applicable	Not Applicable
Credit Facility Fees & Interest (Cumulative) (\$)		
	Not Applicable	Not Applicable
Investment Portfolio		
 Committed Funds (\$)** 	\$145.5 million	\$172.1 million
 Deployed Funds (\$) 	\$490.0 million	\$522.7 million
Current Portfolio (\$)	\$635.4 million	\$694.8 million
 Overall Investments to Date (\$) 	\$1.0 billion	\$1.1 billion
 Total Project Costs (Cumulative) (\$) 	In the range of \$2.3 to \$2.9 billion	In the range of \$2.4 to \$3.0 billion
Mobilization Ratio	Tracking at least 2.6:1 on average across portfolio	Tracking at least 2.8:1 on average across portfolio18

* Note that Cumulative Operating Expenses may not exactly equal the sum of Direct Operating and Allocated Expenses due to rounding. **Also note that Committed Funds plus Deployed Funds may not exactly equal Current Portfolio due to rounding.

Quarterly Metrics (cont.)



Quarterly Metric	Prior Quarter	Current Quarter
nvestment Portfolio (cont.)		
Portfolio Concentrations (%)	75.7% Renewable Energy	74.6% Renewable Energy
	7.6% Energy Efficiency	7.7% Energy Efficiency
	16.7% Other	17.7% Other ²⁰
Number & Type of NYGB Investments	51 – Renewable Energy	54 – Renewable Energy
	10 – Energy Efficiency	11 – Energy Efficiency
	9 – Other	11 – Other
• Number & General Type of NYGB Counterparties	64 – Local Development Corporation; Global, Corporate and/or Investment Bank; Regional Bank; Specialty Finance Company; Energy Project Developer; Municipal, University, Schools & Hospitals; Energy Technology Provider & Vendors; Government Authority; Insurance Company; Transportation	68 – Local Development Corporation; Global, Corporate and/or Investment Bank; Regional Bank; Specialty Finance Company; Energy Project Developer; Municipal, University, Schools & Hospitals; Energy Technology Provider & Vendors; Government Authority; Insurance Company; Transportation
Direct Impact Benefits		
 Estimated Gross Lifetime Energy Saved by Fuel Type from Energy Efficiency Projects (MWh/MMBtu) and/or Estimated Gross Lifetime Clean Energy Generated (MWh) for Committed Funds & Deployed Funds 	Estimated Gross Lifetime Energy Saved by Fuel Type (Energy Efficiency): 369,000 - 451,000 MWh; and 1.48 – 2.14 million MMBtu	Estimated Gross Lifetime Energy Saved by Fuel Type (Energy Efficiency): 369,000 - 451,000 MWh; and 1.48 – 2.14 million MMBtu
	Estimated Gross Lifetime Clean EnergyGenerated: 21.5 – 29.7 million MWh	Estimated Gross Lifetime Clean Energy Generated: 22.8 – 34.4 million MWh
 Estimated Gross First Year Energy Saved by Fuel Type from Energy Efficiency Projects (MWh/MMBtu) and/or Estimated Gross First Year Clean Energy Generated (MWh) for Committed Funds & Deployed Funds 	Estimated Gross First Year Energy Saved by Fuel Type (Energy Efficiency) 25,800 – 31,600 MWh; and 86,000 – 122,000 MMBtu Estimated Gross First-year Clean Energy Generated	Estimated Gross First Year Energy Saved by Fuel Type (Energy Efficiency) 25,800 – 31,600 MWh; and 86,000 – 122,000 MMBtu Estimated Gross First-year Clean Energy Generated

Quarterly Metrics (cont.)



Quarterly Metric	Prior Quarter	Current Quarter
irect Impact Benefits (cont.)		
 Estimated Gross Lifetime Energy Saved from CHP (MWh) for Committed Funds & Deployed Funds 	Estimated Gross Lifetime Energy Saved from CHP: 60,700 - 74,200 MWh	Estimated Gross Lifetime Energy Saved from CHP: 60,700 - 74,200 MWh
Estimated Gross First Year Energy Saved from CHP (MWh) for Committed Funds & Deployed Funds	Estimated Gross First Year Energy Saved from CHP: 2,973 – 3,634 MWh	Estimated Gross First Year Energy Saved from CHP: 2,973 – 3,634 MWh
Estimated Gross Lifetime Energy Savings from CHP (MMBtu) for Committed Funds & Deployed Funds	Estimated Gross Lifetime Energy Savings from CHP: -6,017,500 – -720,830 MMBtu	Estimated Gross Lifetime Energy Savings from CHP: -10,166,700 – -30,811,400 MMBtu
Estimated Gross First Year Energy Savings from CHP (MMBtu) for Committed Funds & Deployed Funds	Estimated Gross First Year Energy Savings from CHP: -610,940720,830 MMBtu	Estimated Gross First Year Energy Savings from CHP: -1,025,8703,092,370 MMBtu
Estimated Gross Clean Energy Generation Installed Capacity from CHP (MW), if applicable, for Committed Funds & Deployed Funds	14.4 MW	19.4 – 41.4 MW
Estimated Gross Clean Energy Generation Installed Capacity (MW), if applicable, for Committed Funds & Deployed Funds	690.7 – 983.2 MW	722.0 – 1,066.2 MW
Estimated Gross Lifetime GHG Emission Reductions (metric tons) for Committed Funds & Deployed Funds	11.06 – 15.43 million metric tons	11.6 – 17.2 million metric tons

Quarterly Metrics (cont.)



Quarterly Metric	Prior Quarter	Current Quarter
direct Impact Benefits		
Estimated Lifetime Energy Saved (MWh)	-	-
Estimated Lifetime Energy Saved (MMBtu)	-	-
Estimated Lifetime Clean Energy Generation (MWh)	4.1 – 8.5 million MWh	4.1 – 8.5 million MWh
Estimated Installed Capacity CHP (MW)	-	-
Estimated Installed Capacity (MW)	61.2 – 129.7 MW	61.2 – 129.7 MW
Estimated Lifetime GHG Emissions Reductions (Metric Tons)	2.2 – 4.5 million metric tons	2.2 – 4.5 million metric tons
nvestment Pipeline		
Active Pipeline (In the Quarter) (\$)	\$987.2 million	\$789.9 million
nvestment Process		
Proposals Received – Value (Cumulative) (\$)	\$4.4 billion	\$4.8 billion
Approvals - Scoring Committee (Cumulative) (\$)	\$4.2 billion	\$4.6 billion
Approvals - Greenlight Committee (Cumulative) (\$)	\$1.8 billion	\$2.2 billion
Approvals - IRC (Cumulative) (\$)	\$1.1 billion	\$1.3 billion