





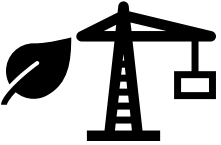
Operational Energy Strategy Implementation

Update and Discussion

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Office of Environmental and Energy Coordination

February 24, 2026

Operational Energy Strategy Targets: Buildings & Renewable Energy

	Focus Area	2030 Target	2040 Target
	Energy Use and Reduction	25% below 2018	50% below 2018
	Renewables	25% of electric use	50% of electric use
	Green Buildings	LEED Gold, Net Zero Energy, All-Electric	

2025 Highlights

- Energy retrofits at a library, community center, rec centers and admin offices
- Solar installed at 4 county facilities
- VA Energy Efficiency Council award – Spring Hill Rec Center
- ASHRAE National Technology award – Cub Run Rec Center
- **Realizing \$5M/yr in avoided costs**



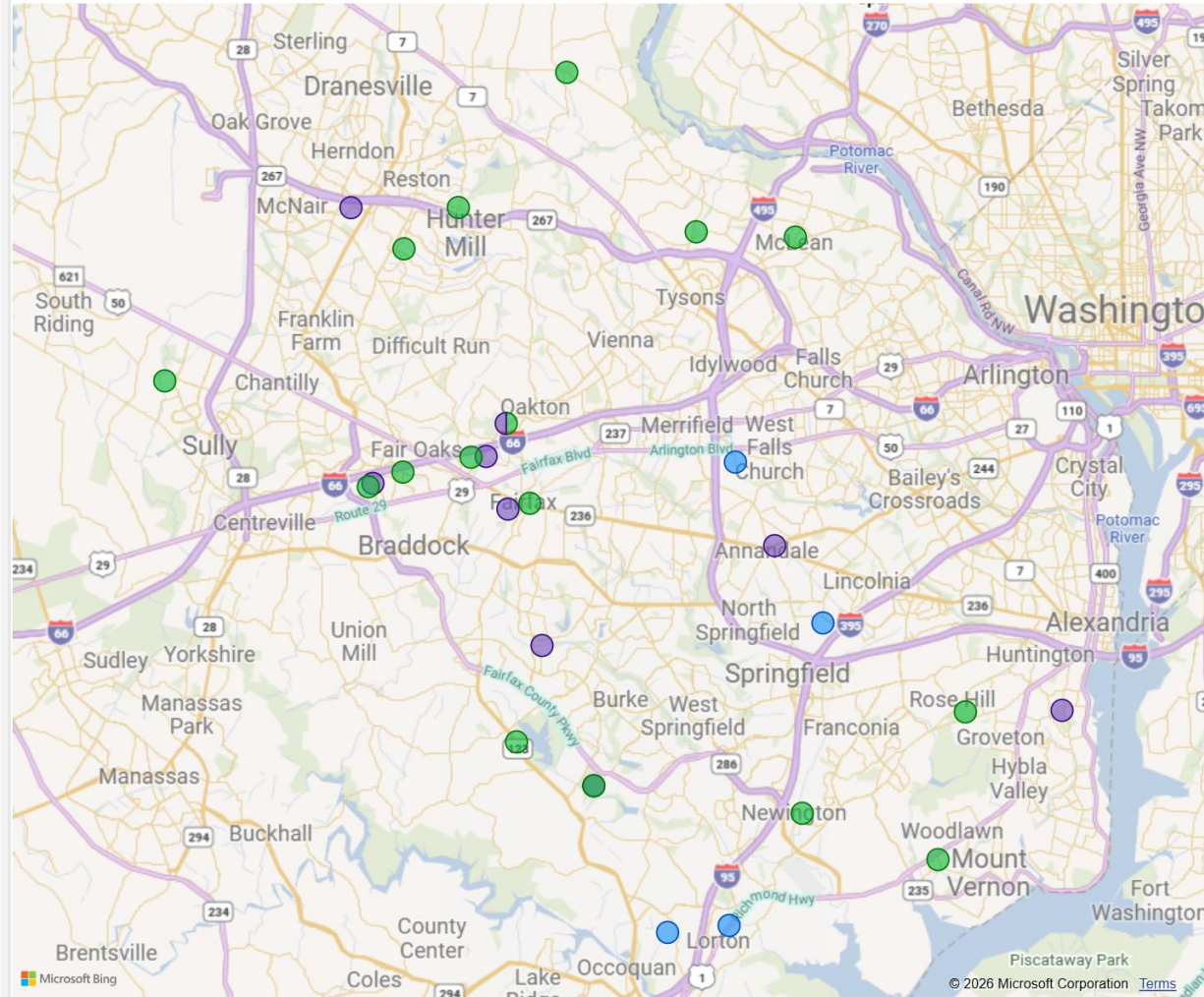
New heating equipment at the Great Falls Library



Retrofit Progress – OES Webpages

Fairfax County Energy Performance Projects

Energy Project Phase ● Complete ● Construction/Install ● Design



Building List

Energy Project Phase, Facility Name

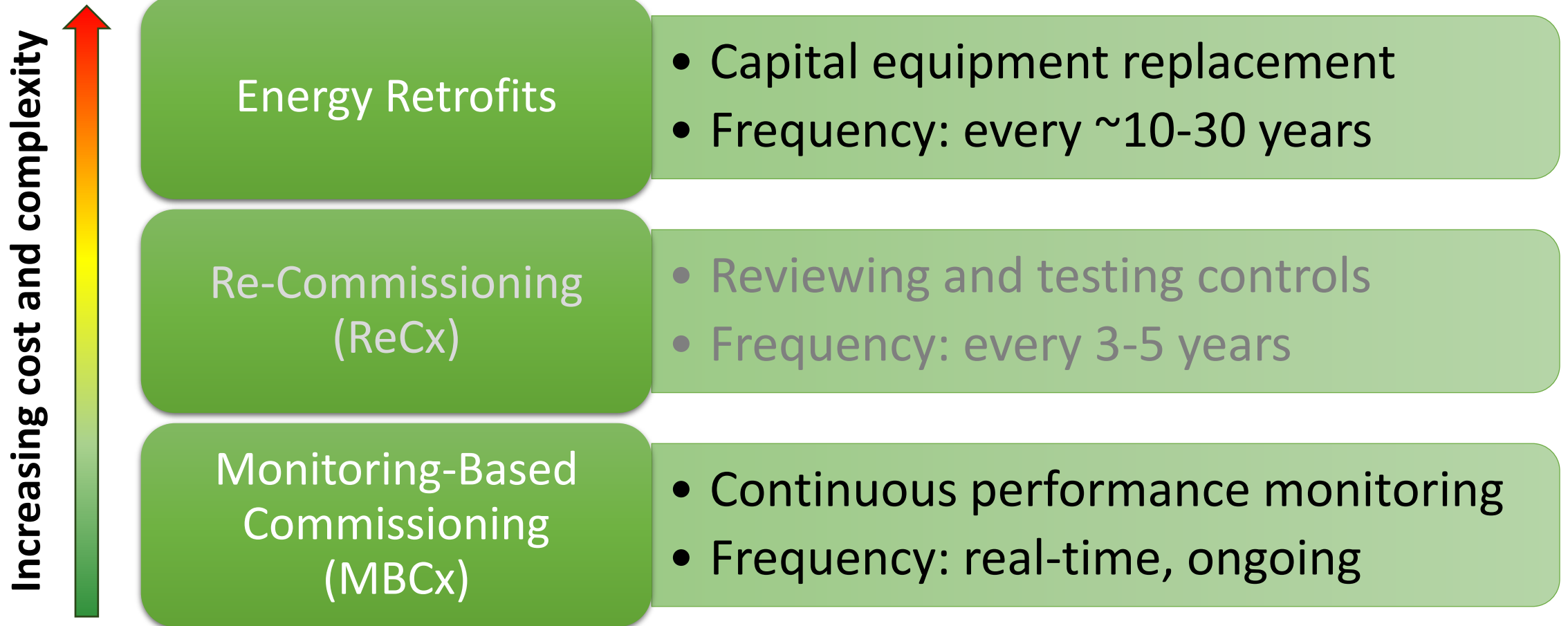
- ^ Complete
 - Burke Lake Park Golf Course And Shop
 - Cub Run Rec Center
 - Fairfax City Regional Library
 - Franconia Rec Center
 - Great Falls Library
 - I-66 Transfer Station
 - McLean Community Center
 - Monument Drive Parking Garage
 - Newington Collection Facility
 - Oakmont Rec Center
 - Pender Building
 - Reston Community Center
 - Reston Fire Station

<https://www.fairfaxcounty.gov/environment-energy-coordination/operational-energy-strategy/energy-use-efficiency>

Overseeing Agency Legend:

- **CAP** - Fairfax County Capital Facilities
- **DPWES** - Fairfax County Department of Public Works and Environmental Services
- **FCDOT** - Fairfax County Department of Transportation
- **FCPA** - Fairfax County Park Authority
- **FMD** - Fairfax County Facilities Management Department
- **FCRHA** - Fairfax County Redevelopment and Housing Authority
- **MCC** - McLean Community Center
- **RCC** - Reston Community Center

Energy Efficiency Approaches for Institutional Buildings

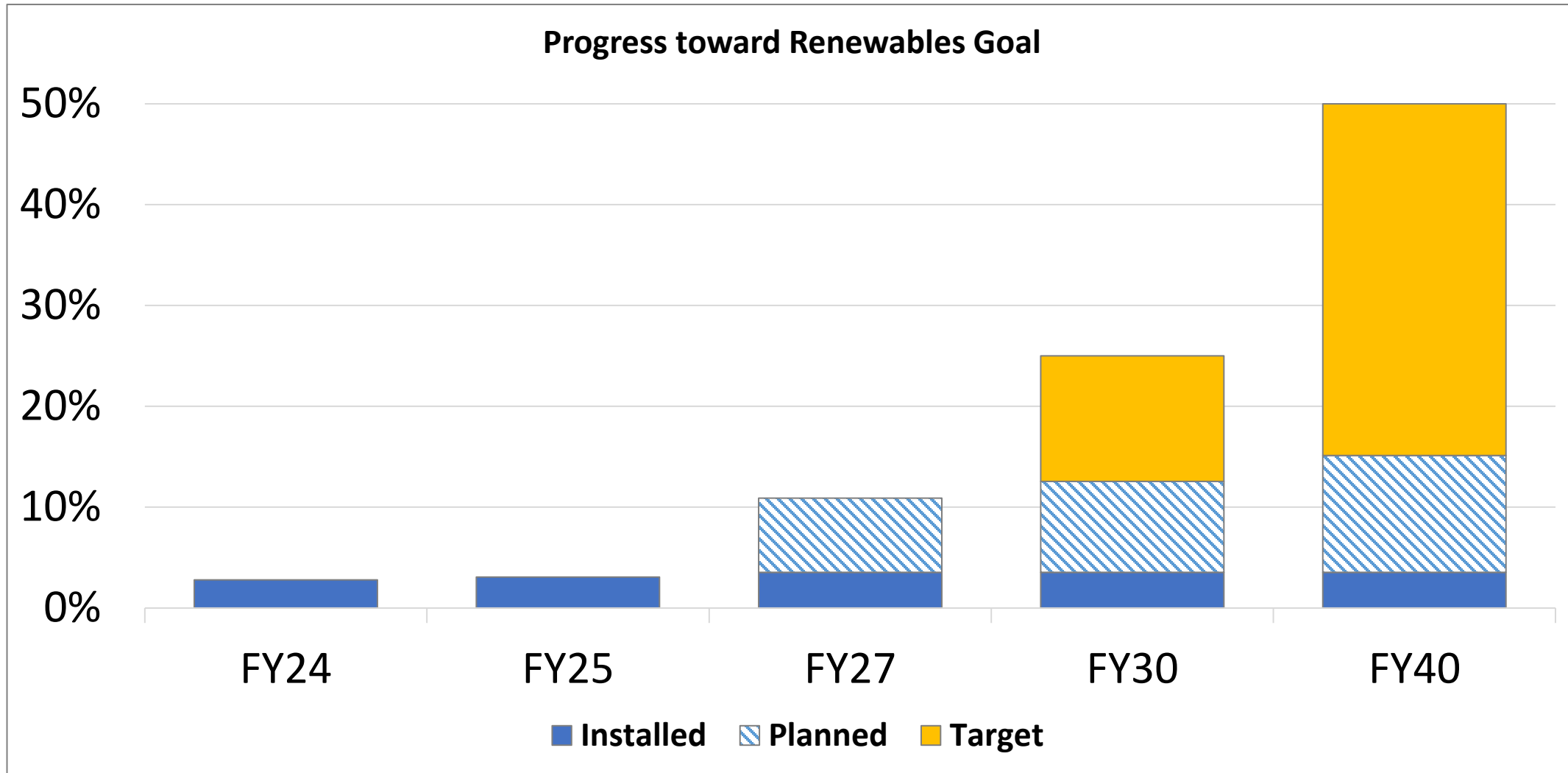


Monitoring-Based Commissioning (MBCx)

- Vendor under contract as of January 29, 2026
- 10%-15% energy savings per building is likely
- Year 1: Proof of Concept Phase at 7 buildings:

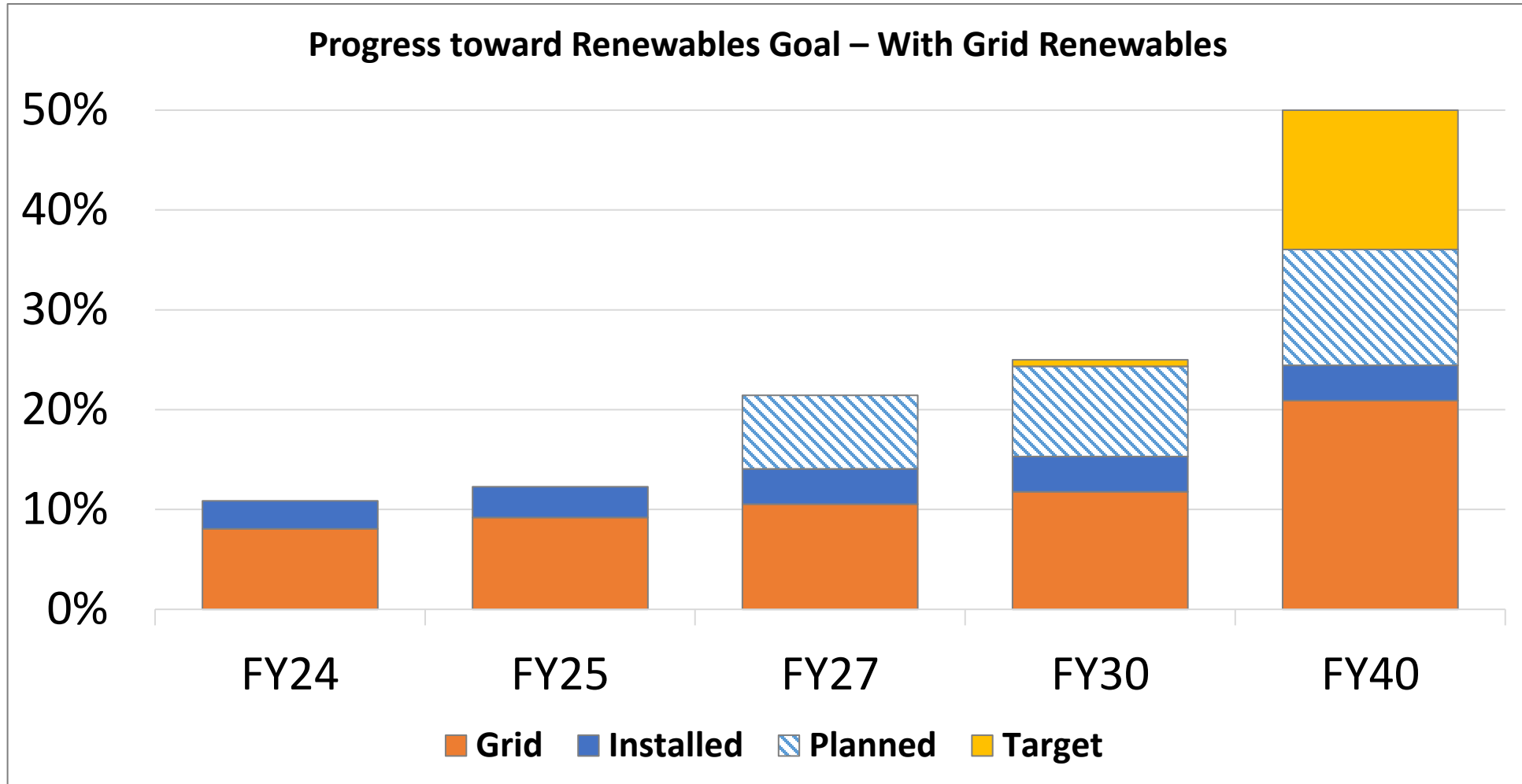
Building Name	Responsible Agency	Floor Area (sq. ft.)
Burke Centre Library	FMD	17,000
Herrity Building	FMD	247,000
James Lee Community Center	FMD	65,000
Mt. Vernon Rec Center	FCPA	139,000
Oakmont Rec Center	FCPA	63,000
Sharon Bulova Center for Community Health	FMD	161,000
Spring Hill Rec Center	FCPA	76,000

Progress toward OES Targets – Renewables (onsite only)



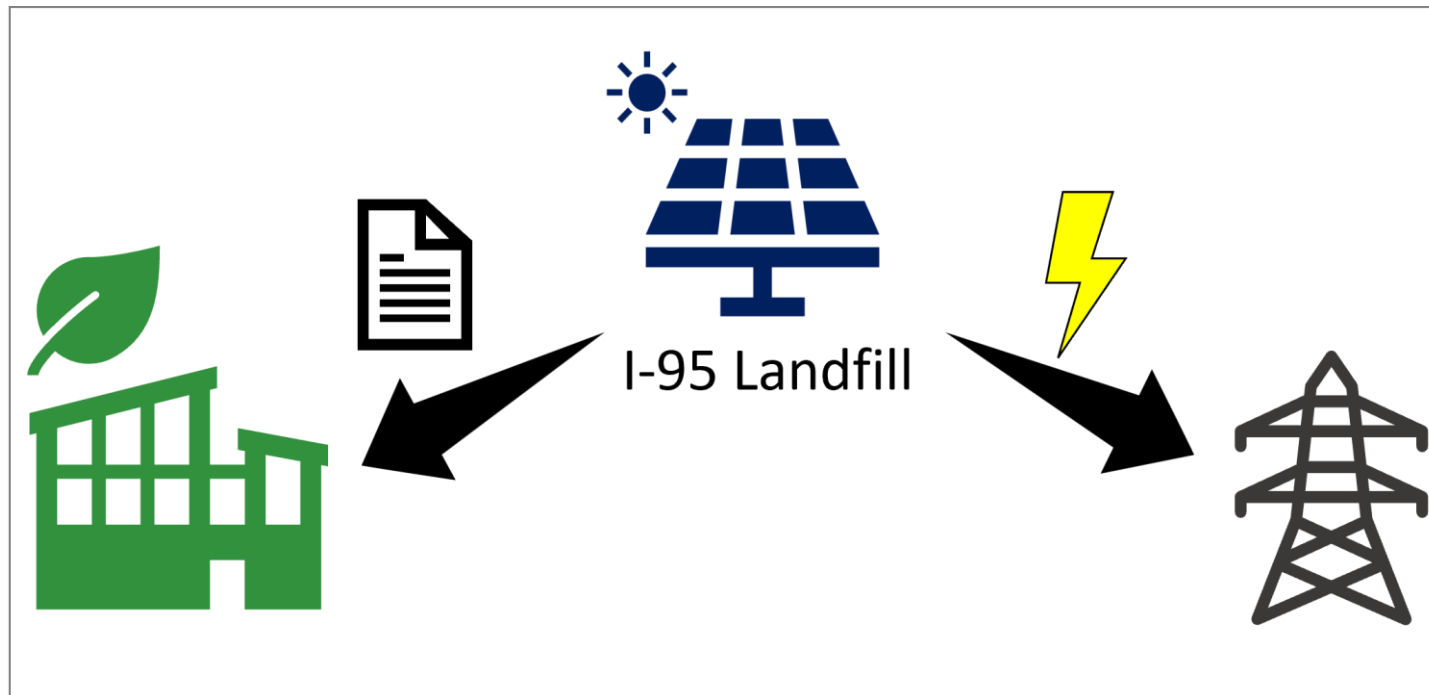
Progress toward OES Targets – Renewables w/grid

- Recommendation: Include portion of grid-supplied renewable energy



Achieving Net Zero with Credits from I-95 landfill solar

- Recommendation: Apply Renewable Energy Credits from landfill solar project to achieve net zero energy new buildings.
- Highly efficient buildings will still be constructed, with onsite solar



Board Feedback and Discussion