



Climate Action / CECAP

Update

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Legislative Activities - 2022

- Successes:
 - HB 443 – Electric vehicle charging at FCPA properties
 - Adds FCPA to those local and state entities that may locate, operate, regulate the use of, and install signage relating to EV charging stations on property under its jurisdiction.
 - HB 396 – Virtual net metering at county properties
 - Amends the state’s pilot program (i) to allow participation by municipalities and park authorities installing solar pursuant to PPA; (ii) to authorize larger systems at parking garages and wastewater treatment sites; and (iii) to expand the applicable credit.
- Still no local authority to set building codes
 - HB 701 and HB 905 would have permitted local building code provisions and regulations related to energy efficiency and conservation more stringent than those in the Uniform Statewide Building Code.

Solar Game Plan – CY 2022/23

Site	Method	Status	Target Completion	Approx. Size (kW)
Sully Community Ctr	Installation by Capital Facilities, new building	Final design	Summer 2022	180
Lorton Community Ctr	PPA on new building	Conceptual design; lease to come	Summer 2022	100
Woodlawn Fire Station	ESCO direct install	Conceptual design	Winter 2022/2023	45
Reston Fire Station	ESCO direct install	Conceptual design	Winter 2022/2023	45
Pender Building	ESCO direct install	Investment-grade audit due June '22	Winter-Spring 2023	40
I-66 Transfer Station	ESCO direct install	Investment-grade audit due June '22	Winter-Spring 2023	250+
Providence Community Ctr	PPA on existing building	Conceptual design; lease to come	Winter-Spring 2023	80
Springfield Warehouse	PPA on existing building	Conceptual design; lease to come	Winter 2023	400
Reston Community Ctr	PPA or direct install	Conceptual design	2023	80
FCPA Maint. Buildings	PPA on existing buildings	Initial discussion w/vendor	2023	40-60 kw each
Stormwater Oper. Campus	PPA on three new buildings	Initial concepts	2023-2025	400; 200; 165 kW respectively

ESCO Game Plan – CY 2022/23

Site	Scope	Total Capital Cost	Cost of Upgrades	Status	Target Completion	Approx. Annual Savings	
						Dollars	Tons CO2e
Cub Run Rec Center	Mechanical (HVAC) electrical, controls	\$2 million	\$800,000	Construction	October 2022	\$80,000	~950
South Run Rec Center	Mechanical (HVAC) electrical, lighting	\$ 1.6 million	\$500,000	Construction	October 2022	\$58,000	~245
Fairfax City Library	Lighting, water efficiency	\$266,000	\$100,000	Construction	June 2022	\$15,000	~50
Pender Office Building	HVAC, Lighting, possible solar	TBD	TBD	Investment-grade audit due June '22	Winter-Spring 2023	TBD	TBD
Oak Marr Rec Center	HVAC, Controls	TBD	TBD	Investment-grade audit due June '22	Winter-Spring 2023	TBD	TBD
DPWES I-66 campus	Lighting, controls, possible solar	TBD	TBD	Investment-grade audit due June '22	Winter-Spring 2023	TBD	TBD
DPWES Newington	Lighting, HVAC, possible solar	TBD	TBD	Investment-grade audit due June '22	Winter-Spring 2023	TBD	TBD
Woodlawn Fire Station	Rooftop Solar	~\$160,000	same	Conceptual design	Winter-Spring 2023	~12,000	~40-50
Reston Fire Station	Rooftop Solar	~\$150,000	same	Conceptual design	Winter-Spring 2023	~11,000	~40-50

EV Game Plan – CY 2022

Site	Lead Agency	# Spaces	Comments
<i>DVS Priorities</i>			
Springfield Warehouse	FMD	2	Charging station required per terms of state grant
Select Police Station Sites	FMD	8	For FY 2023 EV purchases; public charging spaces also planned
Public Safety HQ Phase II	FMD	18	For FY 2023 EV purchases
Jermantown Maintenance Facility	FMD	10-14	Will service FY 2023 and future EV purchases; Alban, Newington and West Ox maintenance facilities to follow
<i>Other</i>			
Connector Bus Operations Ctr	DOT	6	Expected Summer 2022; for fleet vehicles only
Government Center – Exterior Lot	FMD	TBD	More likely 2023
Heliport (FCPD)	DPWES	4	Expected Summer 2022
Herndon-Monroe Parking Garage	DOT	20	Expected Summer 2022
Innovation Station Center Garage	DOT	20	Expected Summer 2022
Lorton Community Center	DPWES	5	Facility completion est. Summer 2022
Sully Community Center	DPWES	4	Facility completion est. Summer 2022