



PRINCE WILLIAM
COUNTY

Staff Progress Report for Sustainability Commission

Office of Sustainability
September 2026



Objective

Update Sustainability Commission on recent accomplishments, resulting climate goal progress, and upcoming priorities.



Agenda

1. Office of Sustainability Updates

- Strategic Plan
- CESMP

2. Goal Progress

- Renewables
- Resilience Framework Development



Vision and Mission



VISION

Meet our community's needs today without compromising the quality of life or availability of resources for future generations.

PRINCE WILLIAM
Sustainability

MISSION

Strategically integrate environmental sustainability county-wide and in county government operations to meet our transforming community needs now and in the future.



- Integrating sustainability into department operations/projects by:
 - Building **staff capacity** for sustainability initiatives.
 - Aligning the County's **sustainability actions**—ensuring that the impacts and progress on meeting the County's goals are measured and highlighted.
 - Applying for grant **funding and technical support** through federal, state, or other programs.

Sustainability's staff capacity continues to grow

- **Welcomed Andy Boateng to the Sustainability Team as our New Climate Risk & Resilience Manager!**
 - This position will provide the expertise needed to strategically protect the County's assets, including socially vulnerable populations and natural resources, from increasingly intense climate hazards.
- Posted the **Sustainability Communications & Outreach Manager** position:
 - Develop outreach campaigns and materials that educate and engage the community and County Government about Sustainability programs
 - Seek and pursue funding opportunities
 - Support development of Sustainability progress reports

Sustainability is aligning the county's sustainability-related actions through implementing the strategic plan environment goal

- Sustainability and Public Works co-leading for FY27
- Finalizing Workplans in October
- New process for FY28 to evaluate all budget requests against Strategic Plan

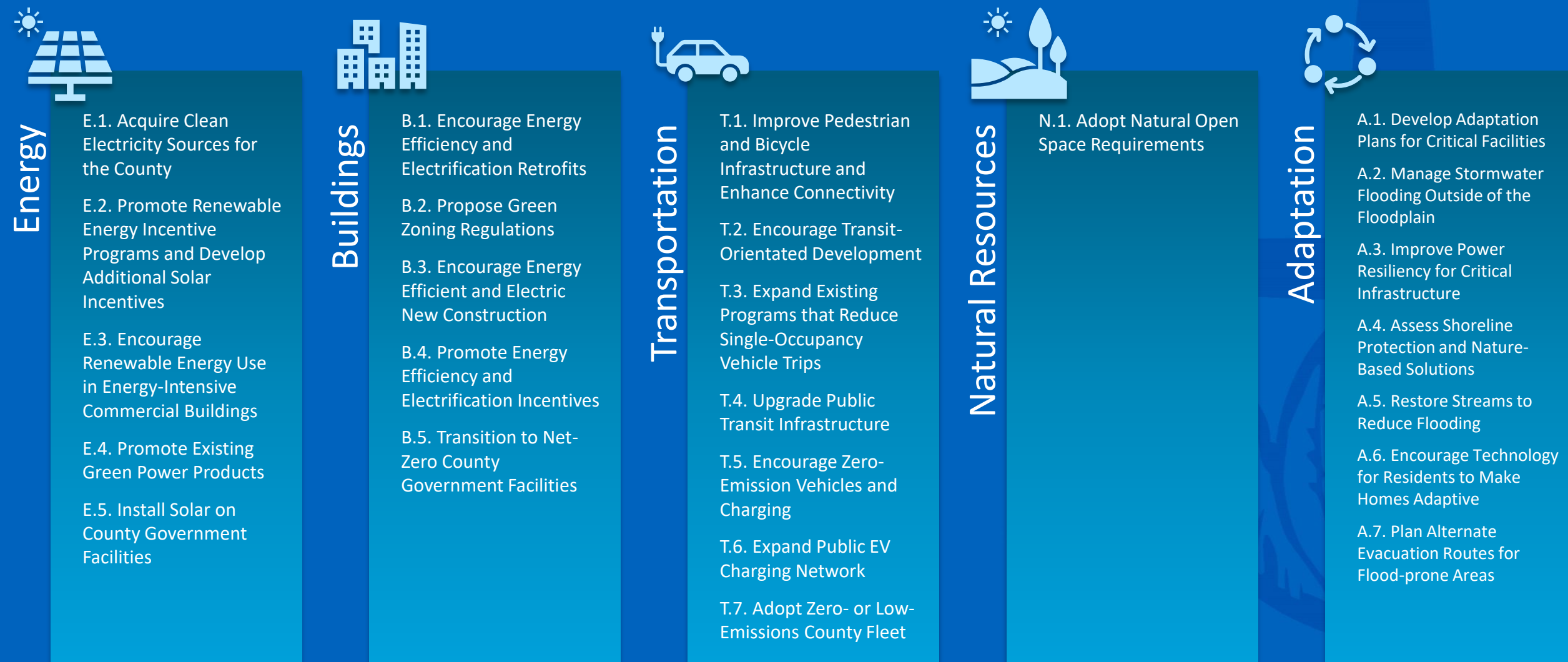


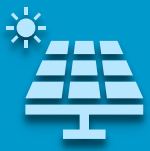
STRATEGIC GOAL

ENVIRONMENT

Preserve the County's natural beauty and resources so that open spaces are created and maintained, and residents can enjoy nature.

Sustainability is making progress on implementing the Community Energy & Sustainability Master Plan (CESMP) 25 Priority Actions





CESMP: Energy

No.	CESMP Action	Lead Dept.	Status
E.1	Acquire Clean Electricity Sources for the County	OoS	In Progress
E.2	Promote Renewable Energy Incentive Programs and Develop Additional Solar Incentives	OoS	In Progress
E.3	Encourage Renewable Energy Use in Energy-Intensive Commercial Buildings	OoS	In Progress
E.4	Promote Existing Green Power Products	OoS	In Progress
E.5	Install Solar on County Government Facilities	FFM	In Progress



Project:	Judicial Center & Fire Station 22 Rooftop Solar
Progress Update	- FFM received design specifications in September - Judicial Center: 160 kW - FS22: 69 kW - Coordinating with Procurement to prepare Invitation for Bid (IFB)
Next Steps	Out for bid October 2026
Expected Completion	Fall 2027





CESMP: Buildings

No.	CESMP Action	Department(s)	Status
B.1	Encourage Energy Efficiency and Electrification Retrofits	OoS	In Progress
B.2	Propose Green Zoning Regulations	Planning	In Progress
B.3	Encourage Energy Efficient and Electric New Construction	OoS	In Progress
B.4	Promote Energy Efficiency and Electrification Incentives	OoS	In Progress
B.5	Transition to Net-Zero County Government Facilities	FFM	In Progress



Project:	Net Zero Emissions Building Plan
Progress Update	- Consultants delivered NZEB analysis tool for final review - Conducting external engagement - Identifying eligibility for programs that support plan implementation (VA Energy Management Program offerings) - Conducting internal engagement - Reviewing preliminary Emission Reduction Measures with implementing departments
Next Steps	- Revising Occupant Engagement Plan - Draft Plan in October 2026
Expected Completion	December 2026





CESMP: Transportation

No.	CESMP Action	Department(s)	Status
T.1	Improve Pedestrian and Bicycle Infrastructure and Enhance Connectivity	DTCC	In Progress
T.2	Encourage Transit-Orientated Development	DTCC	In Progress
T.3	Expand Existing Programs that Reduce Single-Occupancy Vehicle Trips	DTCC	In Progress
T.4	Upgrade Public Transit Infrastructure	DTCC	In Progress
T.5	Encourage Zero-Emission Vehicles and Charging	OoS	In Progress
T.6	Expand Public EV Charging Network	OoS	In Progress
T.7	Adopt Zero- or Low-Emissions County Fleet	FFM	In Progress



Project:	County Complex Fleet EV Charging
Progress Update	- Design of Phase I under A/E review to inform cost estimate prior to IFB - Phase I: 10 charging spots - Phase II: 59 charging spots
Next Steps	Prepare IFB documentation for Procurement
Expected Completion	Fall 2027





CESMP: Natural Resources

No.	CESMP Action	Department(s)	Status
N.1	Adopt Natural Open Space Requirements	DPW: County Arborist	In Progress



Project:	Sustainability & Resilience Comprehensive Plan Amendment (CPA)
Progress Update	- Sustainability reviewed and provided feedback on Approach and Priority Topics summary - Core topic to include better definition of natural open space to reflect connectivity and ecosystem services https://pwcworks.pwcva.gov/sustainability-cpa
Next Steps	- Drafting CPA language - Community Engagement Phase 2 - Public Hearings & Adoption
Expected Completion	March 2027



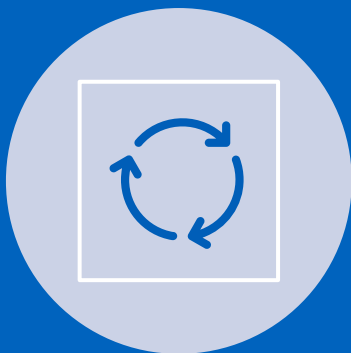
CESMP Adaptation

No.	CESMP Action	Department(s)	Status
A.1	Develop Adaptation Plans for Critical Facilities	EM	Not Started
A.2	Manage Stormwater Flooding Outside of the Floodplain	EM	In Progress ★
A.3	Improve Power Resiliency for Critical Infrastructure	EM	Not Started
A.4	Assess Shoreline Protection and Nature-Based Solutions	DPW	In Progress ★
A.5	Restore Streams to Reduce Flooding	PWSWCD	In Progress ★
A.6	Encourage Technology for Residents to Make Homes Adaptive	OoS	In Progress
A.7	Plan Alternate Evacuation Routes for Flood-prone Areas	EM	In Progress ★



Project:	Flood Resilience Plan (FRP)
Progress Update	- Presented progress update to JET - Developing public engagement material - Assessing Present & Future Flood Hazards and Risks
Next Steps	Preparing PWC Works website material
Expected Completion	May 2027

CESMP Foundational Program-wide Sustainability Initiatives



IMPLEMENT ADAPTIVE MANAGEMENT TECHNIQUES

- Incorporating CESMP high-priority actions into the Strategic Plan



ASSESS THE CLIMATE MITIGATION AND RESILIENCY IMPACT OF COUNTY PROJECTS

- Evaluating project impact to county GHG inventory
- Developing resilience goal framework



BUILD INSTITUTIONAL CAPACITY TO PURSUE GRANTS AND PUBLIC OUTREACH

- Hiring communications manager to lead effort

CONGRATULATIONS

CHARGING
SMART

B R O N Z E

COMMUNITY

**Prince William
County, VA**

DESIGNATION

**Charging Smart
Bronze**



PWC is getting recognized for our sustainability efforts!

- **Awarded Charging Smart Bronze!**
 - Program for community EV charging readiness
 - *Making Transitioning to EVs Easier:* Clear permit information online for residential and commercial EV chargers
 - *Leading by Example:* Installing and operating public EV chargers at McCoart, installing fleet chargers, and adding hybrid and electric vehicles to the fleet
- Department of Energy (DOE) **Clean Energy to Communities (E2C)**
 - Joined New Cohort focusing on Navigating Local Data Center Development (along with Fairfax & Loudoun)
- Joined the Better Buildings Challenge (along with PWCS)
 - Technical assistance & recognition for efforts to reduce energy use throughout building portfolio



Peer-Learning
Cohorts >





In 2020, the Board set ambitious Climate Mitigation and Resiliency Goals

*BOCS endorsed the following
goals (Res. No. 20-773)*



Reduce county-wide greenhouse gas (GHG) emissions by 50% from 2005 levels by 2030.



Procure 100% renewable electricity county-wide by 2035.



Procure 100% renewable electricity for county government operations by 2030.



Achieve carbon neutrality for county government operations by 2050.



Become a Climate Ready Region by 2030.



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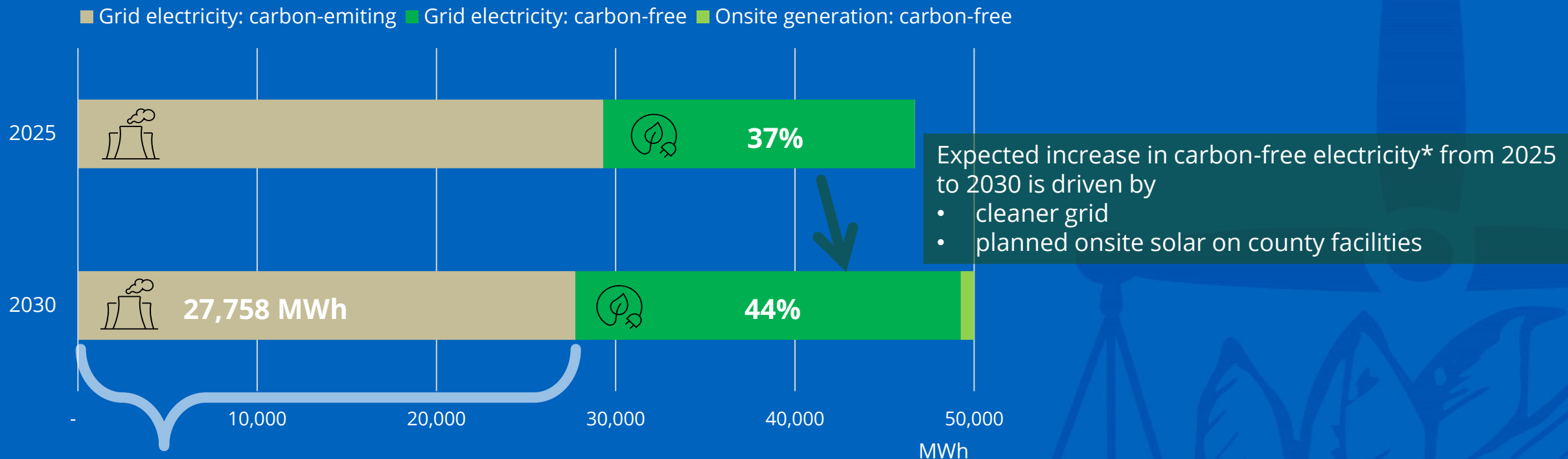
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Become a Climate Ready Region by 2030.

Updates to
goal
progress
since April
SC Update

Making progress towards 2030 100% renewable electricity for gov operations goal, but further action is needed



To meet goal, remaining must be matched with renewable energy:

- Increase onsite solar generation
- Leverage Power Purchase Agreements (PPAs) or similar contracts to purchase renewable electricity from utilities
- Purchase Renewable Energy Certificates (RECs): Estimated \$700k per year at today's pricing

* The CESMP definition of renewable electricity, which is inclusive of nuclear

Note: This information is a preliminary staff analysis for illustrative purposes only; assumptions and projections are subject to change

Clearing a path to becoming a “Climate Ready” by 2030

- Identifying goal success criteria:
 - A. Defining vision for climate readiness.
 - B. Establishing a working definition for County's resilience work.
 - C. Identified six resilience priority areas:
 - a. Flood Resilience
 - b. Tree Canopy and Nature-based Resilience
 - c. Energy and Power Resilience
 - d. Resilience Equity
 - e. Resilient Land Use
 - f. Extreme Heat Resilience
 - D. Identifying Key Performance Measures for Resilience Priority Areas
 - E. Created Engagement Structure for County Resilience
- Developing timeline of next steps
 - Starting with a data call for existing data aligned with annual report data call

Thank you for your time!