



Leading by Example: The Fairfax County Experience

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Fairfax County Goals in Climate Action Plans

County Operations (Operational Energy Strategy)

- Carbon neutrality (from energy) by 2040
- 50% reduction in carbon emissions by 2030

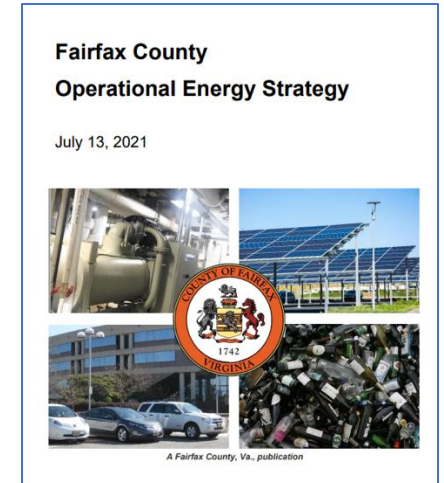
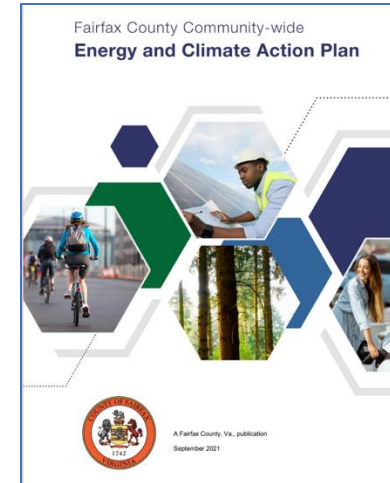
Through FY24, 28% reduction since FY18 baseline

Community-wide

- Carbon neutrality by 2050
- 75% reduction in carbon emissions by 2040
- 50% reduction in carbon emissions by 2030

Resilient Fairfax

- Integrated Action Planning
- Climate Ready Communities
- Resilient Infrastructure and Buildings
- Adaptive Environments



Success Takes More Than a Village – *many* partnerships



- **150+ staff** from **20+ agencies** are involved in climate action plan implementation
- OEEC coordinates across all government agencies, plus community groups, contractors, businesses, utilities, and the general public
- Fairfax looks for leadership from the state, and actively collaborates with regional neighbors
- Fairfax joined the U.S. DOE Better Climate Challenge for guidance, peer learning

Growing Number of Energy Services Contract Successes



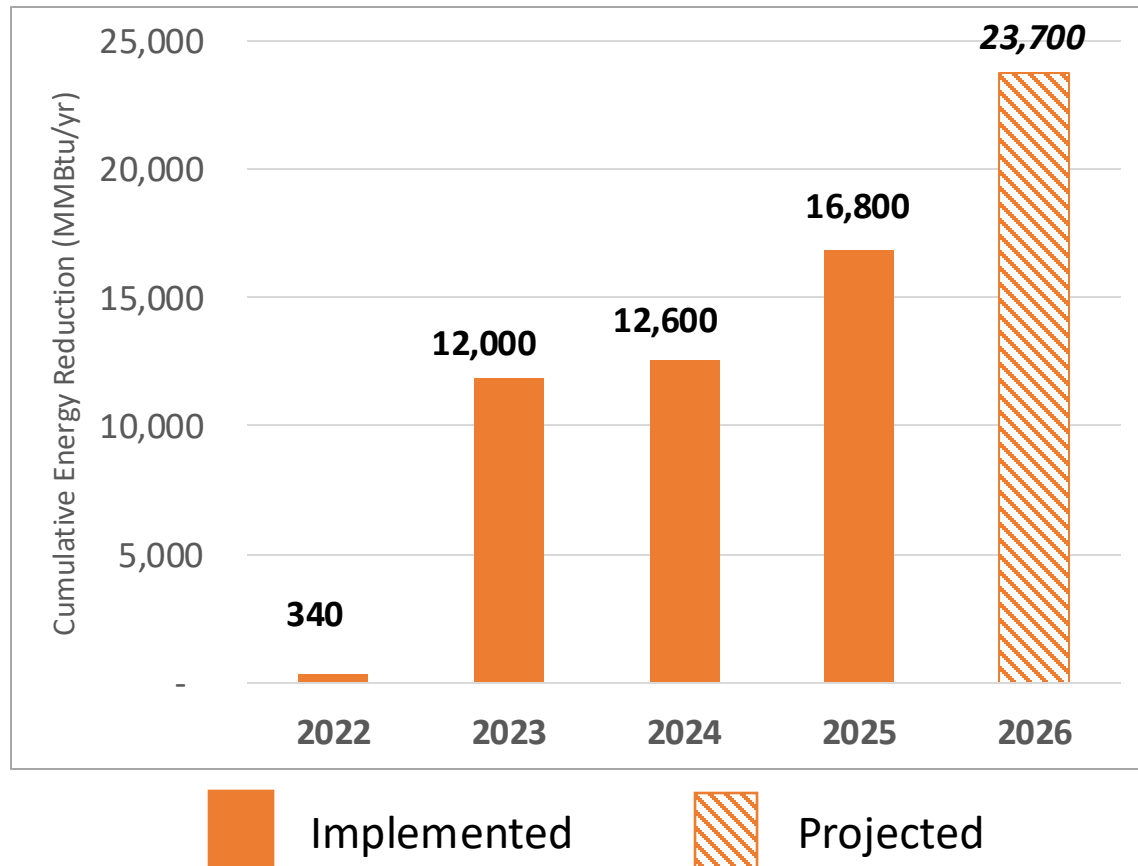
- Installed the county's first geothermal heat pump system, an electrification *retrofit* at Spring Hill Rec Center
- Project included 250 kW rooftop solar PV
- Over 40% energy use reduction, far beyond guarantee
- Project cited at U.S. DOE Better Buildings Summit



- Cub Run Rec Center has cut energy use 60% since retrofit project completion in 2022
- Solar on new roof now pending
- Project received awards for excellence from Virginia Energy Efficiency Council and ASHRAE

Growing Number of Energy Services Contract Successes

**Cumulative Annual Energy Reductions
Implemented (MMBtu/yr) – ESPC Projects**



**Reston Community Center
Heating System Upgrade**

Pursuing Solar Through Multiple Procurement Pathways

Cumulative Solar Photovoltaic Capacity Installed (MW)

