Overview of Sustainability at Jeffco Public Schools

Capital Asset Advisory Committee | May 21, 2026

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ENVIRONMENTAL SUSTAINABILITY AT JEFFCO

Policy & Governance

- Sustainability policies that guide implementation at the district level

Utility Management

- Rate & demand optimization
- Energy management systems
- Preventative maintenance

Water & Landscape

- Improving leak detection/repair
- Turf-to-native conversion
- Drought-tolerant design

Waste Optimization

- Source reduction strategies
- Recycle & compost expansion
- Circular economy roadmap

Design & Construction

- LED retrofits
- Efficient HVAC
- Building Automation
- High-performance facility standards for new construction/renovations

Transportation

- Fleet electrification
- Infrastructure & Level 2 charging

Climate Literacy

- Seal of Climate Literacy
- Opportunities for students to learn about environmental sustainability

Funding & Partnerships

- Grants for EVs & chargers
- Municipal waste education
- Xcel Energy Rebates

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STRATEGIC FRAMEWORK – POLICIES

Sustainability at Jeffco encompasses the efficient stewardship of energy, water, and waste resources, integrated with climate literacy and district-wide engagement.

Ends 4 Policy

Jeffco commits to environmental sustainability, stewardship, and preparing students to thrive in a changing world.

ADOPTED: OCT 16, 2025

District Policies

EA: Environmental Sustainability
EA-R: Energy and Water Conservation Regulations

ADOPTED: MAY 15, 2026

Reporting Process

Annual reporting to the Board via the Ends Monitoring report, ensuring transparency in sustainability initiatives and resource management.

ANNUALLY STARTING: NOV 2026

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CAPITAL-RELATED REFERENCES IN EA POLICY

Buildings

Design, operate and maintain buildings and systems to reduce energy use and greenhouse gas emissions.

Design & Construction

Prioritize energy efficiency and renewable energy in new construction, renovations, and major maintenance projects.

Life Cycle Cost Analysis

Capital and operational decisions should consider emissions impacts and resource use.

Equity & Innovation

Consider equitable access to sustainability investments including facility condition, environmental impacts, and operational needs.



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HISTORICAL FOCUS ON EFFICIENCY

LED Retrofits

Systematic upgrades to high-efficiency lighting reducing energy consumption and maintenance needs ahead of fluorescent light ban.

HVAC & Envelope

Replacing legacy equipment and improving roofs/windows to minimize thermal loss.

Building Automation

Advanced BAS implementation for precision scheduling and load management.

Energy Management

Tracking real-time energy usage with eGauges to find inefficiencies.





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RENEWABLE ENERGY PORTFOLIO

- **Installed:** 2011 – 2012
- **Ownership:** 29 systems under 2 PPAs; 1 system district-owned
- **Capacity:** 4.3 MW across 30 buildings
- **Production:** ~6.2% total electricity covered (4,730 MWh)
- **Building Impact:** Covers 10-40% of electricity for individual sites
- **Financial Impact:** Approx. **$750,000** FY25 cost avoidance



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FLEET ELECTRIFICATION



Electric Bus Vehicle-to-Grid Pilot

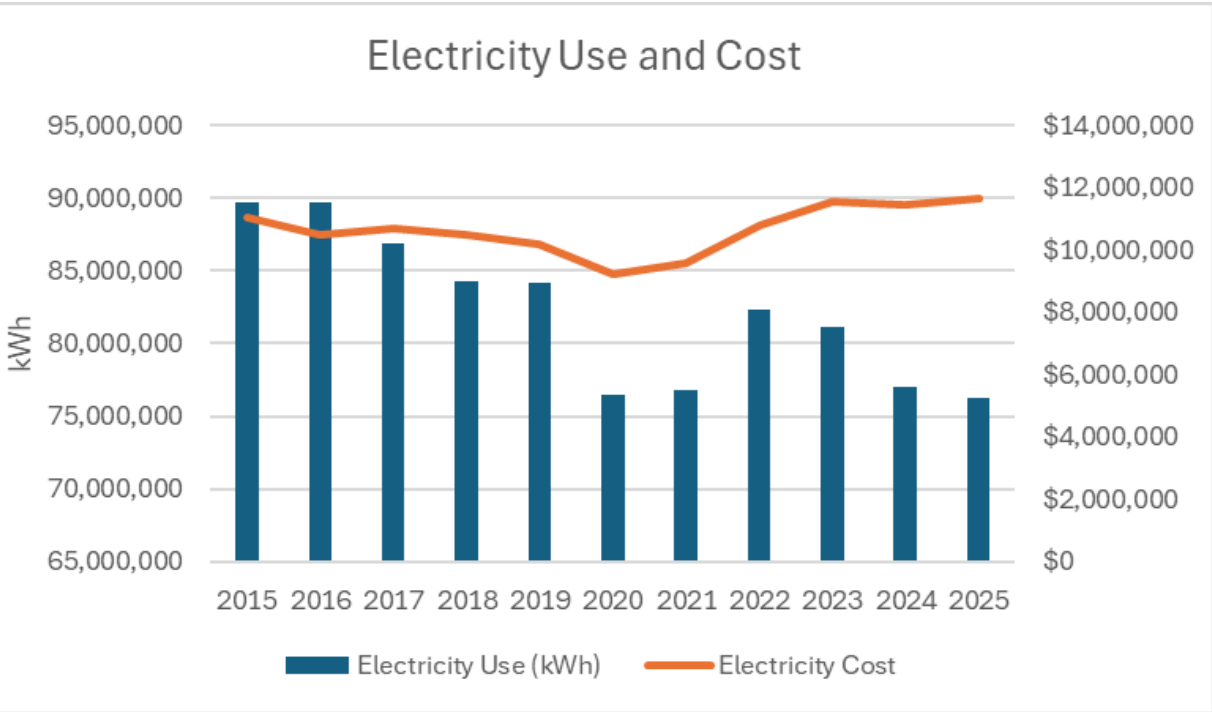
- 6 buses operational for 2026-2027
- Est. **$560,000 savings** over 12 years

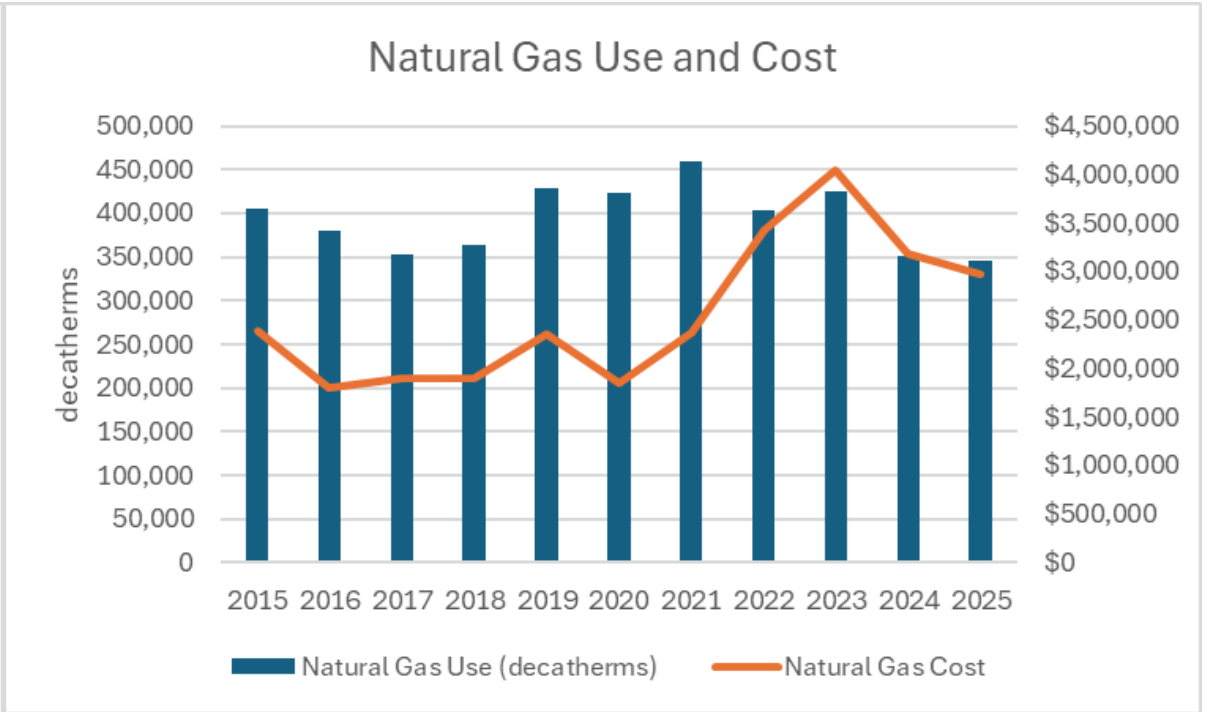
Other EV Fleet Infrastructure

- 8 plug-in hybrids currently in active service
- Level 2 chargers planned for North, Central, and South terminals
- Public chargers at Fletcher Miller
- Ongoing exploration of fleet electrification

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UTILITY CONSUMPTION & COST TRENDS

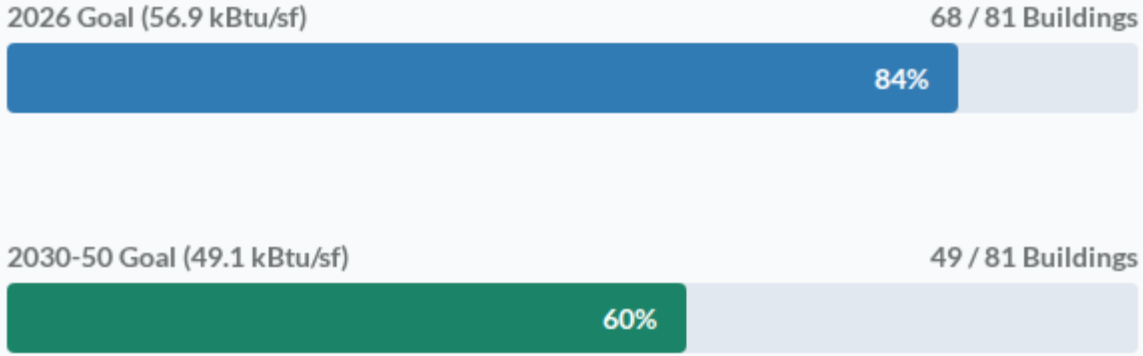




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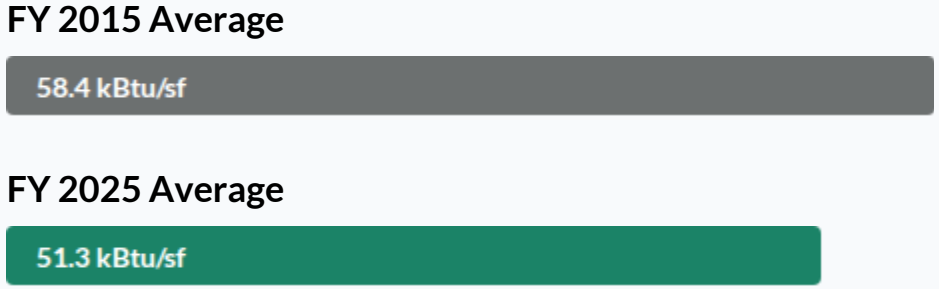
PERFORMANCE SNAPSHOT

Colorado Building Performance Standard (>50,000 ft²)



51/120 Buildings Eligible for ENERGY STAR Certification

Site EUI Comparison (Schools Only)



~12% Efficiency Gain

** Note: Site EUI is Weather Normalized*

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ROADMAP FOR SUSTAINABLE CAPITAL ASSETS

- **Goals and Metrics:** As part of the Sustainability Policy and Reporting process, identify goals and metrics for capital assets and construction.
- **Future-Ready Design:** Prioritize high-performance building envelopes, optimal site orientation, and renewable energy readiness.
- **Guidelines:** Update technical guidelines to include sustainability considerations
- **Indoor Environmental Quality:** Prioritize natural daylighting and healthy air quality to improve student health and performance.



Questions?