

SUSTAINABILITY UPDATE

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Arlington Public Schools



Agenda

- Capital Projects
- Operations
- Solar Power Purchase Agreements
- Sustainability Committee
- Teaching and Learning
- Key Takeaways
- Next Steps





Capital Projects

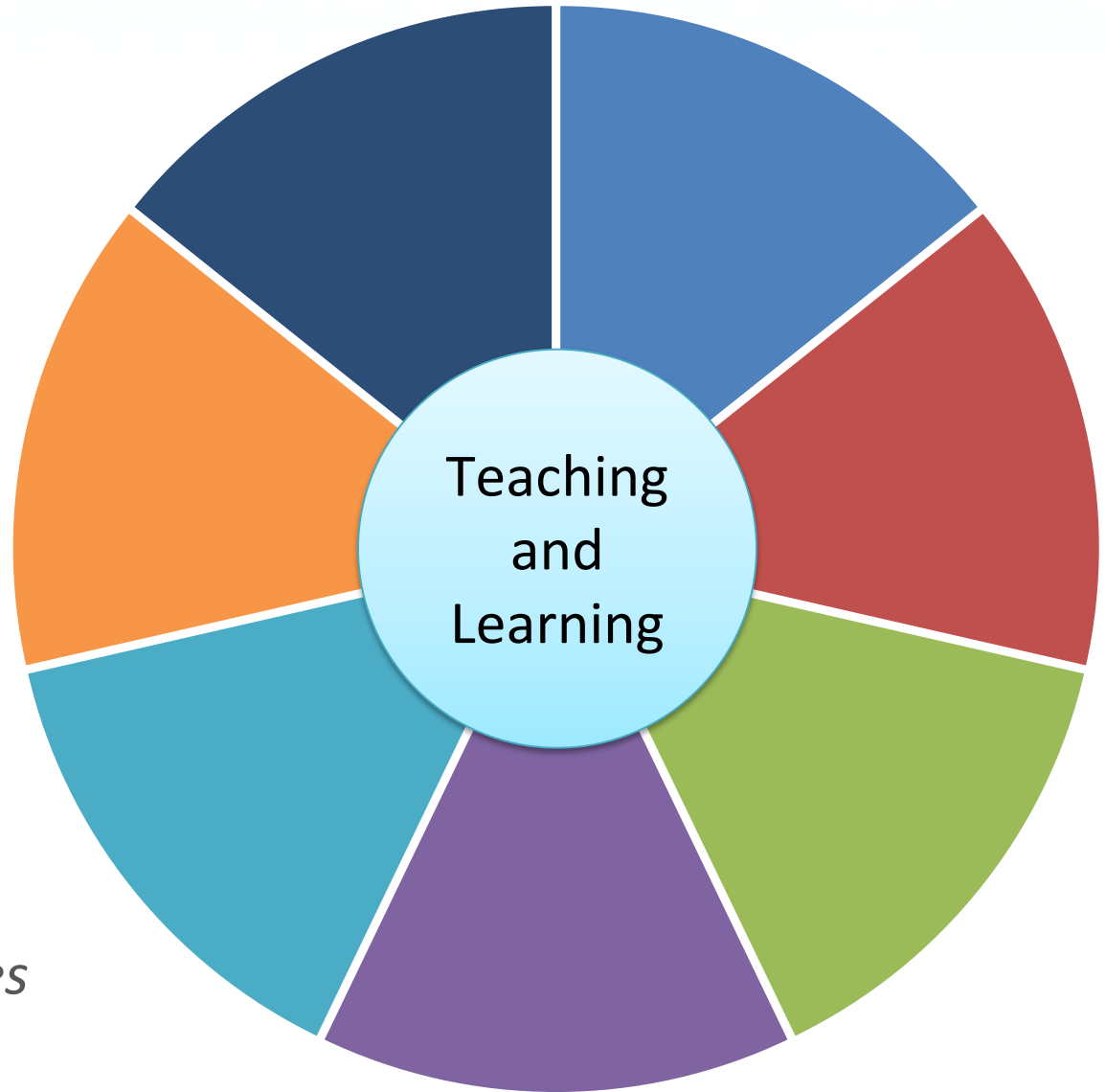
- Indoor Air Quality
- Natural Daylight
- Renewable Technologies
- Siting
- Stormwater
- Transportation
- Budget Considerations
 - First Cost Versus Lifecycle Cost
 - Cost Effective High Performance Approach





Operations

- *Food & Nutrition Services*
- *Information Services*
- *Maintenance Services*
- *Plant Operations*
- *Procurement*
- *School & Community Relations*
- *Transportation Services*






Operations – Sustainability Highlights

- eCycle
- Green Cleaning
- Healthy Eating
- Preventive Maintenance
- Recycling
- Transportation
 - Alternative Modes of Transportation
 - Routing





Operations – Measurable Impacts

- Farm to School – Engagement
- PeachJar - \$2.1M in annual savings

- Lighting Upgrades – More than \$80,000 in annual energy savings
- Water Bottle Filling Stations – Reducing single use plastic bottles
- APSGo! & Arlington Transportation Partners – Reduce pollution and congestion





Solar Power Purchase Agreements

- RFP Issued – December 1, 2017
- Expand Solar
- Diversify Energy Portfolio
- Reduce Emissions
- Support Community Energy Plan
- Provide Learning Opportunities





Sustainability Committee

- Sustainability Liaisons Pilot Program
- Materials Management
 - Procurement
 - Recycling
 - Waste Management
- Green Action Awards
- Communications and Outreach





Connections To Teaching and Learning





Teaching and Learning

Outdoor Lab

- Provide students with opportunities to learn science, outdoor skills, and environmental stewardship in a natural setting.
- Over 6,000 APS students participate in the Outdoor Lab program.
- This includes 5th grade overnights for 2,000 students.





Teaching and Learning

Environmental Literacy



- NOAA B-WET grant to support watershed and environmental literacy training.
- Address stormwater runoff issues within Arlington.
- Collaboration with county government and nonprofit organizations.



Teaching and Learning

Sustainability Liaisons

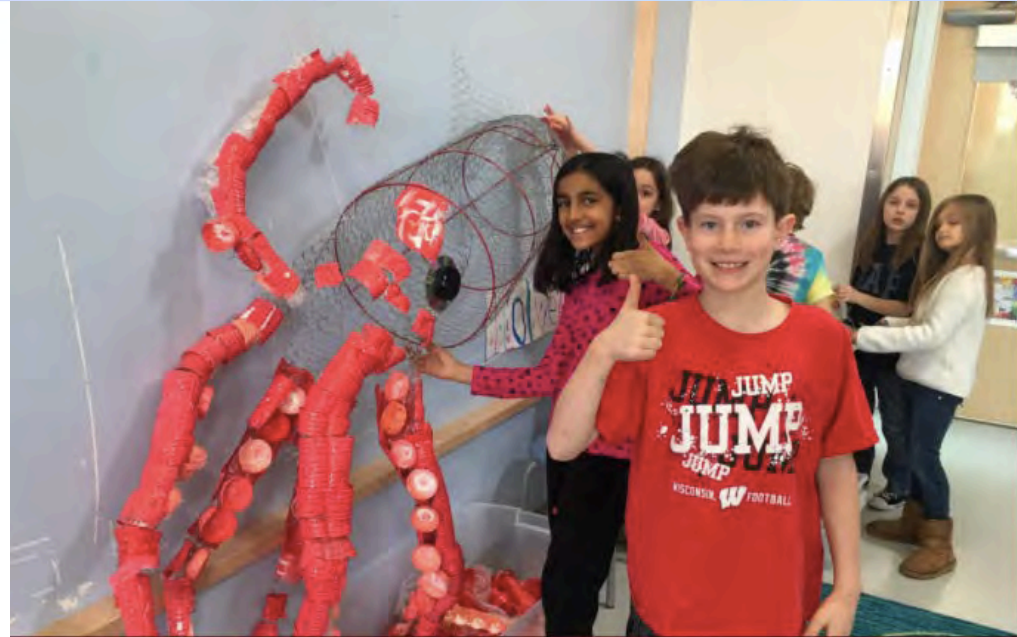


- Goals include: 1) outreach and engagement; 2) identifying and implementing; 3) sharing and communicating.
- Pilot program with 10 schools participating.
- This year, 15 schools have Sustainability Liaisons.



Key Takeaways

- Connections to Active Learning and Whole Child
- Budget Impacts - First Cost Versus Lifecycle Costs



FISCAL YEAR	SQUARE FOOTAGE	ENERGY COST/SF	UTILITY COST/SF	TOTAL UTILITY COSTS
2012	4,462,484	\$ 1.37	\$ 1.56	\$ 6,963,457
2014	4,500,981	\$ 1.34	\$ 1.51	\$ 6,808,825
2017	4,707,669	\$ 1.26	\$ 1.45	\$ 6,826,137
2017 @ 2012 RATES	4,707,669	\$ 1.37	\$ 1.56	\$ 7,346,054
COST AVOIDANCE				\$ 519,918



Next Steps

- Continued Engagement and Outreach
- Existing Facilities
- Life Cycle Costs





Thank You