Sustainability Advisory Council

Meeting 2

EVERETT PUBLIC SCHOOLS

February 4, 2025

EVERETT PUBLIC SCHOOLS®

Agenda

Welcome	Larry Fleckenstein
Composting Contest and Electric Bus Grants	Larry Fleckenstein
Clean Buildings Act (CBA) and Building Codes	Steven Krause
WA Sustainable Schools Protocol (WSSP)	Matt Finch
State Environmental Policy Act (SEPA)	Darcy Walker
Reflections	All

Sustainability Advisory Council

Secondary Composting Video Contest

https://www.everettsd.org/Page/43147

Electric Bus Grant News Release

Department of Ecology

Secondary Composting Video Contest

In fall 2024, elementary schools successfully implemented their composting programs. Secondary schools began their composting journey in January after returning from winter break.

To promote proactive, innovative, and creative student-centered communication about composting, the district hosted a video contest for any interested secondary school student or student team to create and submit a video about the *why* and *how* of composting at school to encourage all students to compost in the new year.

Evelyn Kissinger, Luke Perkins, Alson Lee, Macy Armstrong, Leah Todd, Olivia Kim, Anika Kaushik, Shivanshi Das, Jace Begorre, and Elishua Olea-Gracia

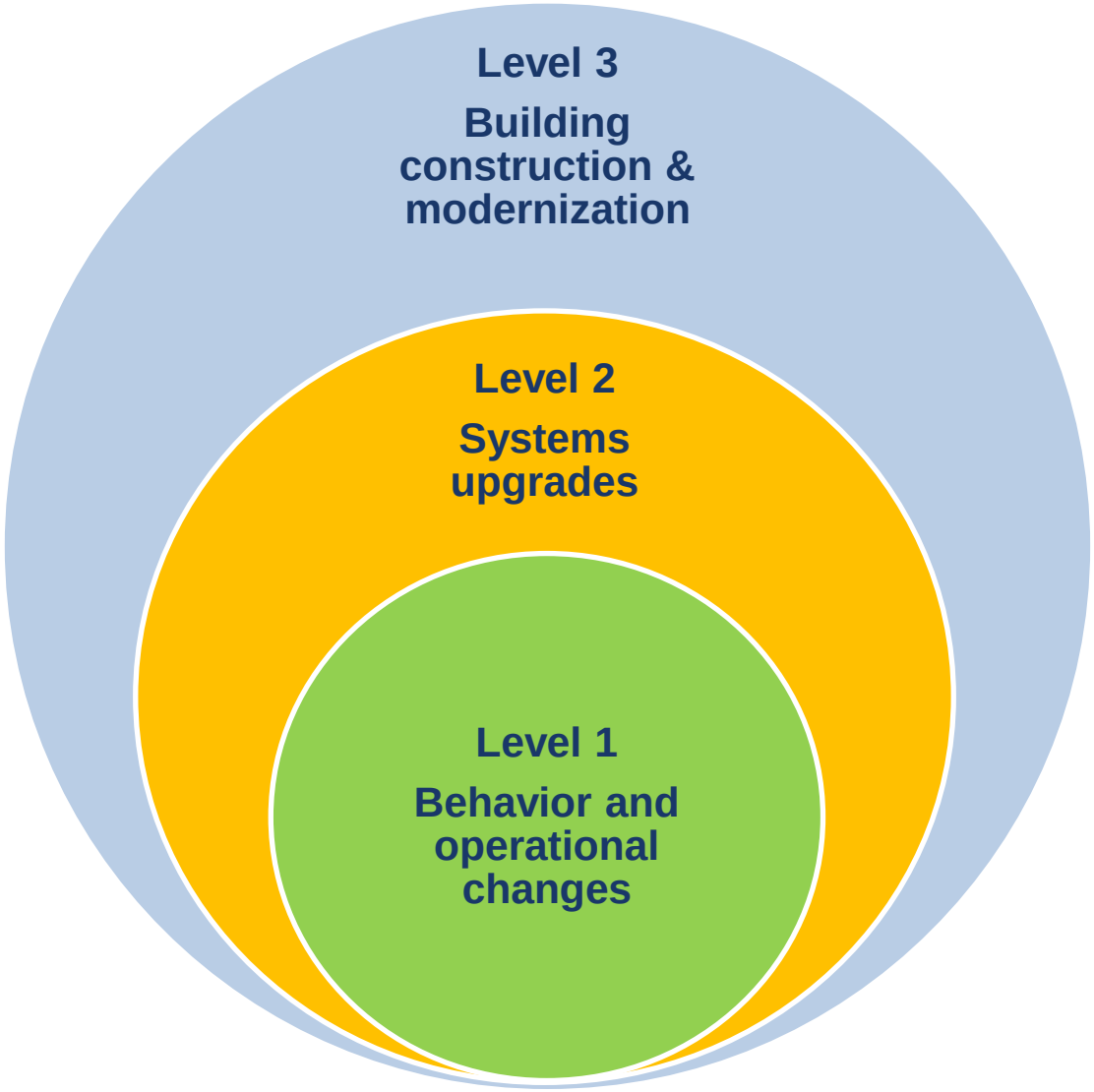
Gateway Middle School video

Justin Lumbab, Adam Ghaddah, Jaden Nguyen, and Jonathan Yim

Jackson High School video

Runner-up high school video entry submitted by Anwitha Gampa and Ravenna Holland: Jackson High School

Sustainability In Building Design & Operation



Level 3: Updating to new codes with more efficient windows, air and moisture barriers, or insulation in floors, walls, or roofs.

Level 2: Updating to more efficient motors, boilers, chillers, light fixtures, HVAC controls, etc.

Level 1: Turning off when not in use, preventative maintenance, routine replacements with more efficient items (LED light bulbs, etc.).

Level 1 Sustainable Practices

Clean Buildings Act (CBA) 2019

- CBA requires that our buildings over 50,000 SF meet an ambitious energy target, get an exemption or pay a penalty; and an Energy Management Plan and Operations and Maintenance Plan be prepared annually for all buildings over 20,000 SF
- We have 20 buildings over 50,000 SF: 7 already meet the energy target, 5 have secured funding to meet the target and 8 are currently unfunded
- We have 40 buildings over 20,000 SF and there is no funding for developing or implementing energy management plans or operations and maintenance plans

Level 2 Systems Upgrades Examples

Washington State Energy & Environment Initiatives

- Multi-faceted state program to reduce emissions and create clean energy jobs
- Direct impact to capital projects
  - WA State Energy Code (WSEC)
    - Establishes energy performance for all new construction
  - WA Sustainable Schools Protocol
    - Establishes sustainability performance for all state funded school construction
    - Elevates performance above the base level WSEC
  - Clean Building Act
    - Establishes energy performance criteria for existing buildings in WA state
- Several other state programs address transportation, de-carbonization of the utilities and fossil fuels, promote electric vehicles, support the clean energy industry, etc.

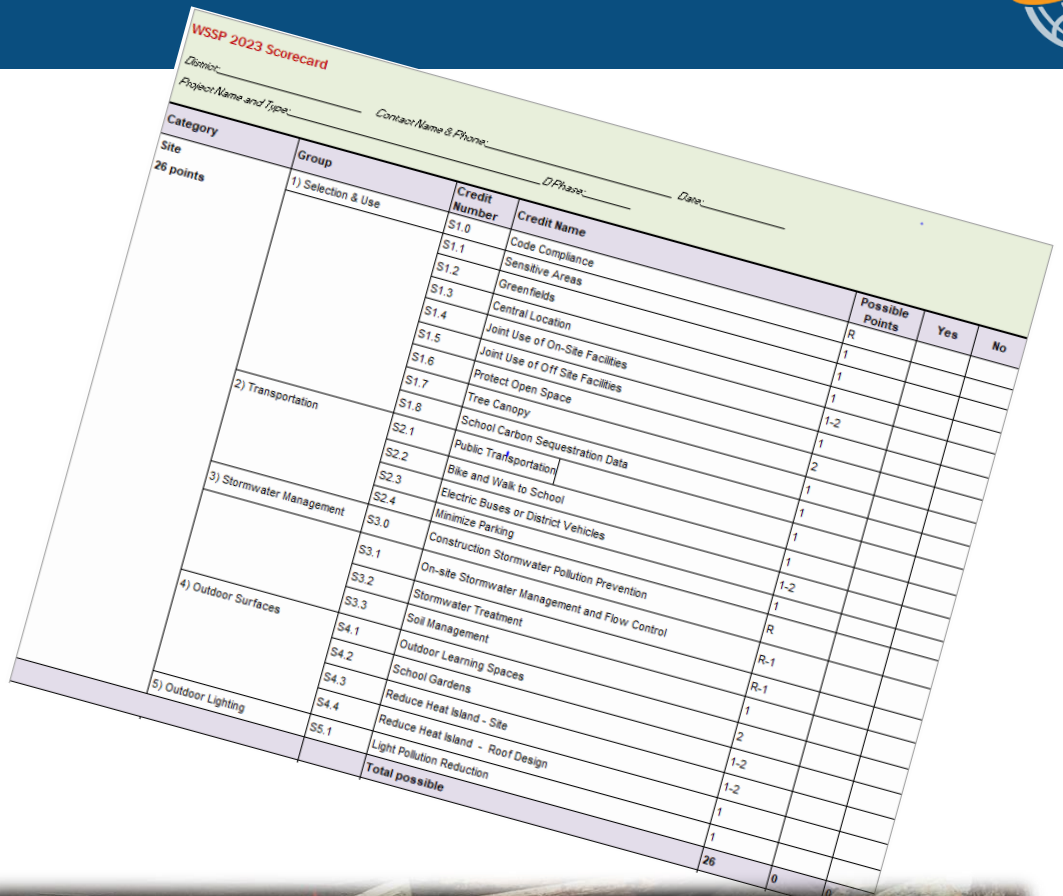
Washington State Energy Code (WSEC)

- WSEC is updated regularly, and every update requires much higher energy efficiency in building envelopes, mechanical systems, lighting and receptacle controls
- The 2015 WSEC resulting in a $20/SF construction cost increase to our projects ($1.5 million for a typical elementary school)
- 2021 WSEC nearly eliminates use of fossil fuels for heating spaces and water

Washington Sustainable Schools Protocol (WSSP)

- Chapter 39.35 RCW requires schools be built to High-Performance School Buildings Program standards to be eligible for School Construction Assistance Program Funding
- WSSP is a guide for building green schools that requires 66 credits in six major environmental categories (Site, Water, Materials & Waste, Energy, Indoor Environmental Quality and Integration, Education and Operations)
- WSSP changes regularly and gets more stringent with every change

Level 3 WSSP Examples



WSSP 2023 Scorecard

District:_____ Project Name and Type:_____ Contact Name & Phone:_____ D Phase:_____ Date:_____

Category	Group	Credit Number	Credit Name	Possible Points	Yes	No
Site	1) Selection & Use	S1.0	Code Compliance	R		
26 points		S1.1	Sensitive Areas	1		
		S1.2	Greenfields	1		
		S1.3	Central Location	1		
		S1.4	Joint Use of On-Site Facilities	1-2		
		S1.5	Joint Use of Off Site Facilities	1		
		S1.6	Protect Open Space	2		
		S1.7	Tree Canopy	1		
		S1.8	School Carbon Sequestration Data	1		
	2) Transportation	S2.1	Public Transportation	1		
		S2.2	Bike and Walk to School	1		
		S2.3	Electric Buses or District Vehicles	1-2		
		S2.4	Minimize Parking	1		
	3) Stormwater Management	S3.0	Construction Stormwater Pollution Prevention	R		
		S3.1	On-site Stormwater Management and Flow Control	R-1		
		S3.2	Stormwater Treatment	R-1		
		S3.3	Soil Management	1		
	4) Outdoor Surfaces	S4.1	Outdoor Learning Spaces	2		
		S4.2	School Gardens	1-2		
		S4.3	Reduce Heat Island - Site	1-2		
		S4.4	Reduce Heat Island - Roof Design	1		
	5) Outdoor Lighting	S5.1	Light Pollution Reduction	1		
			Total possible	26	0	0

Activity

Activity using WSSP

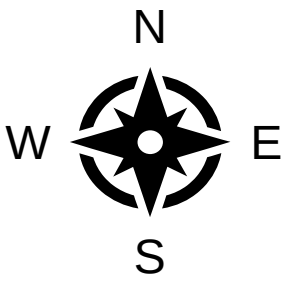
- Each table to delve into one category
- Identify some credits that resonate at your table
- Report out one credit your table thinks ESD should pursue

State Environmental Policy Act (SEPA)

- The SEPA process identifies and analyzes environmental impacts associated with governmental decisions. These decisions may be related to issuing permits for private projects, constructing public facilities, or adopting regulations, policies, and plans. This process helps agency decision-makers, applicants, and the public understand how the entire proposal will affect the environment.

DEPARTMENT OF ECOLOGY State of Washington

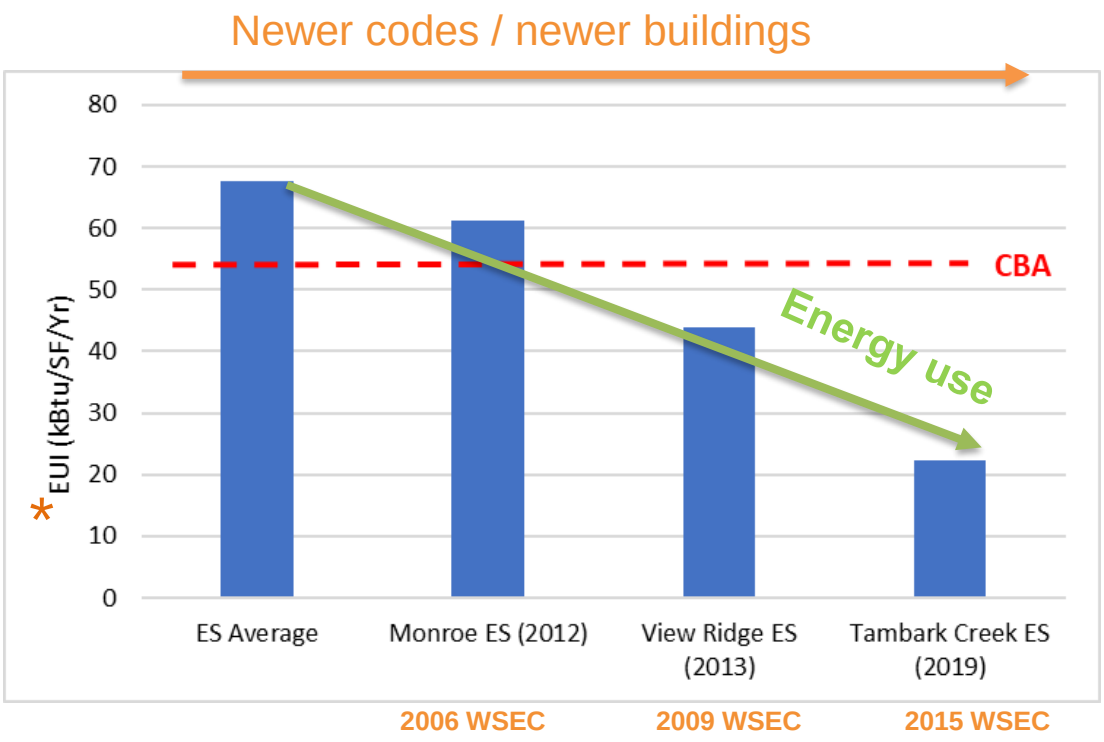
Level 3 Sustainable Design- JAE & TCE



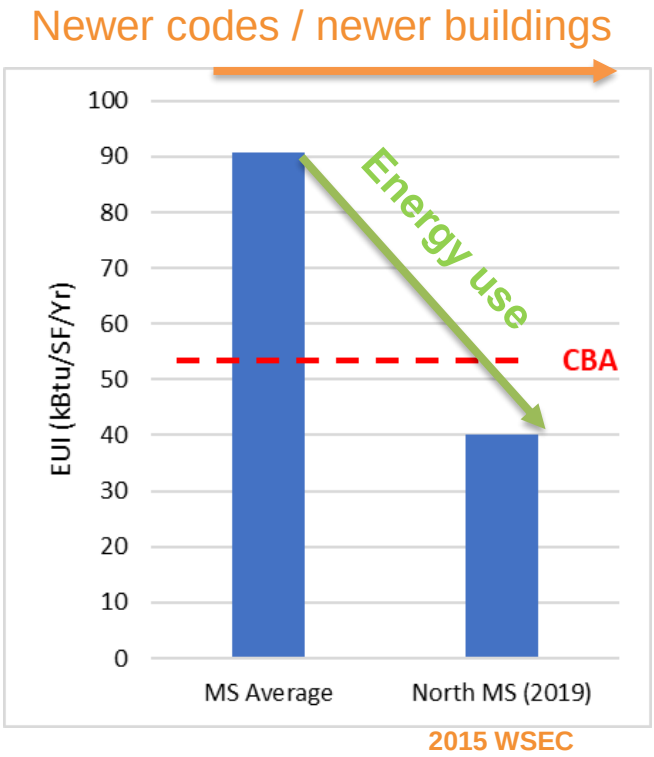
Level 3 Sustainable Design- JAE & TCE

Level 2 & 3 Sustainability Practices Impact

Newer buildings and systems are more energy efficient



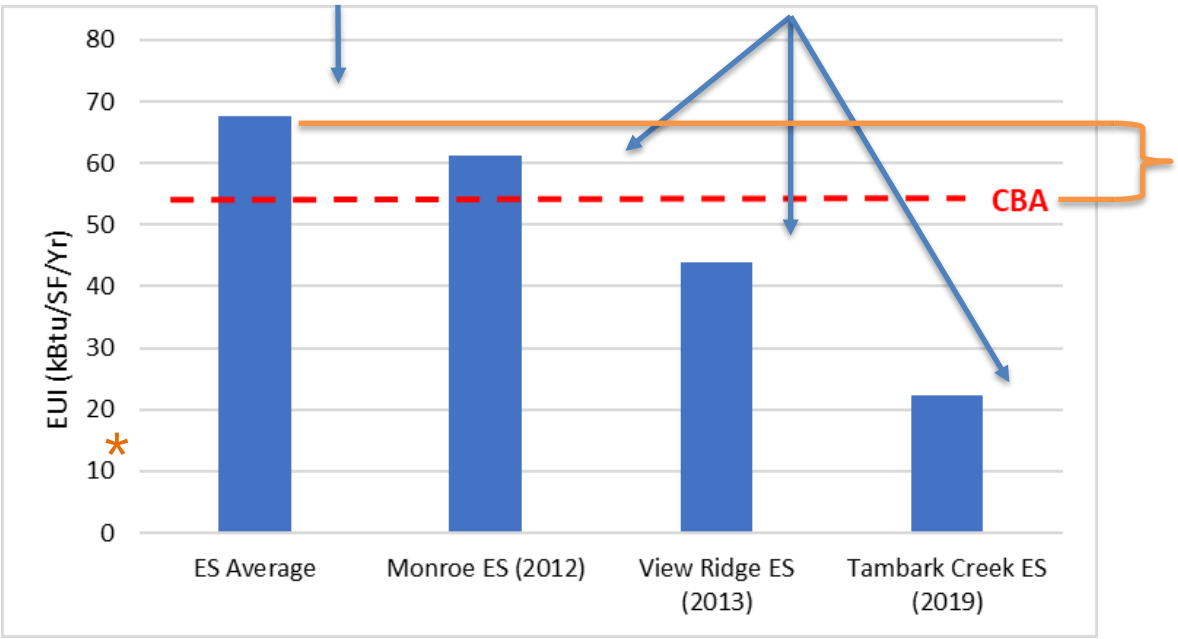
Elementary Schools



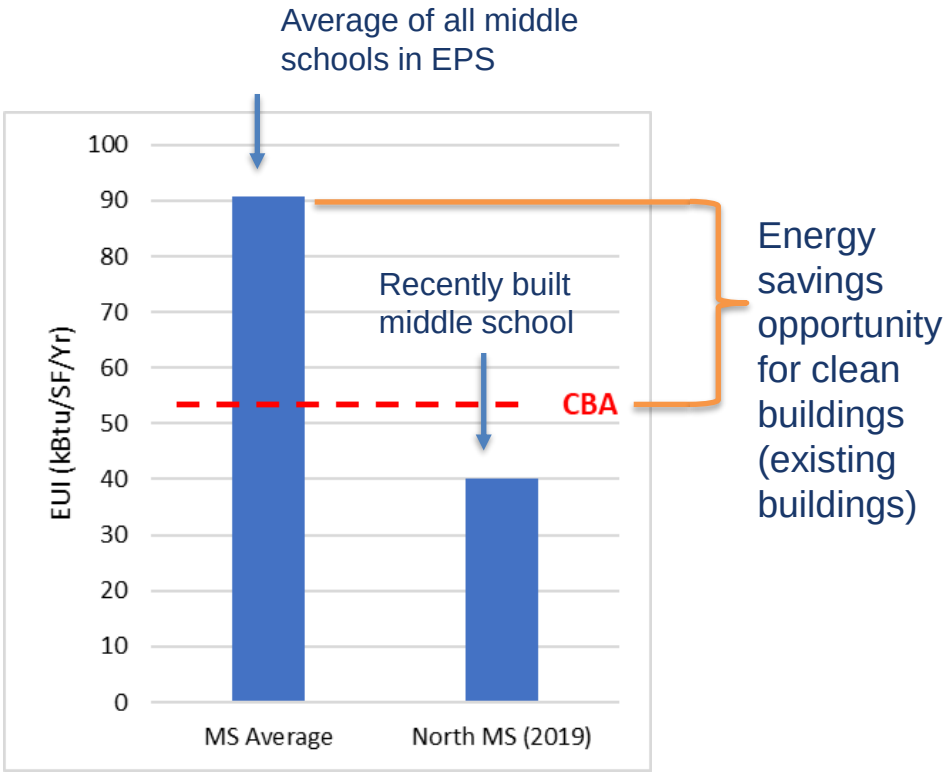
Middle Schools

*Energy Use Index is a basic measure of how much energy is used per square foot per year

Existing buildings: gap between existing and CBA target



Elementary Schools



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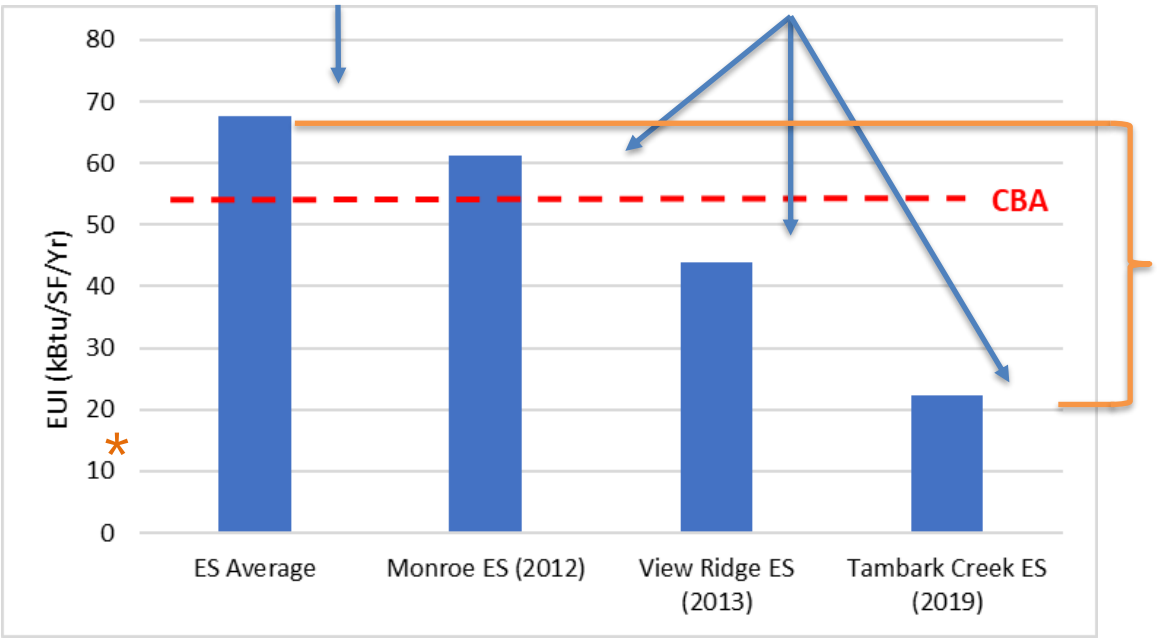
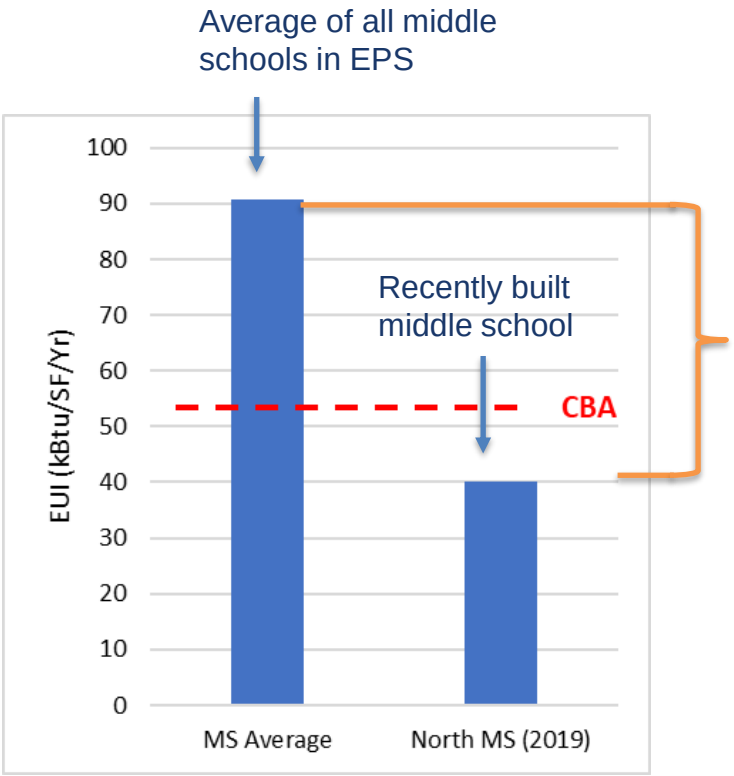
New construction: gap between older and newer buildings



Energy savings opportunity from WSEC/WSSP (new or modernized buildings)

Elementary Schools



Energy savings opportunity from WSEC/WSSP (new or modernized buildings)

Middle Schools

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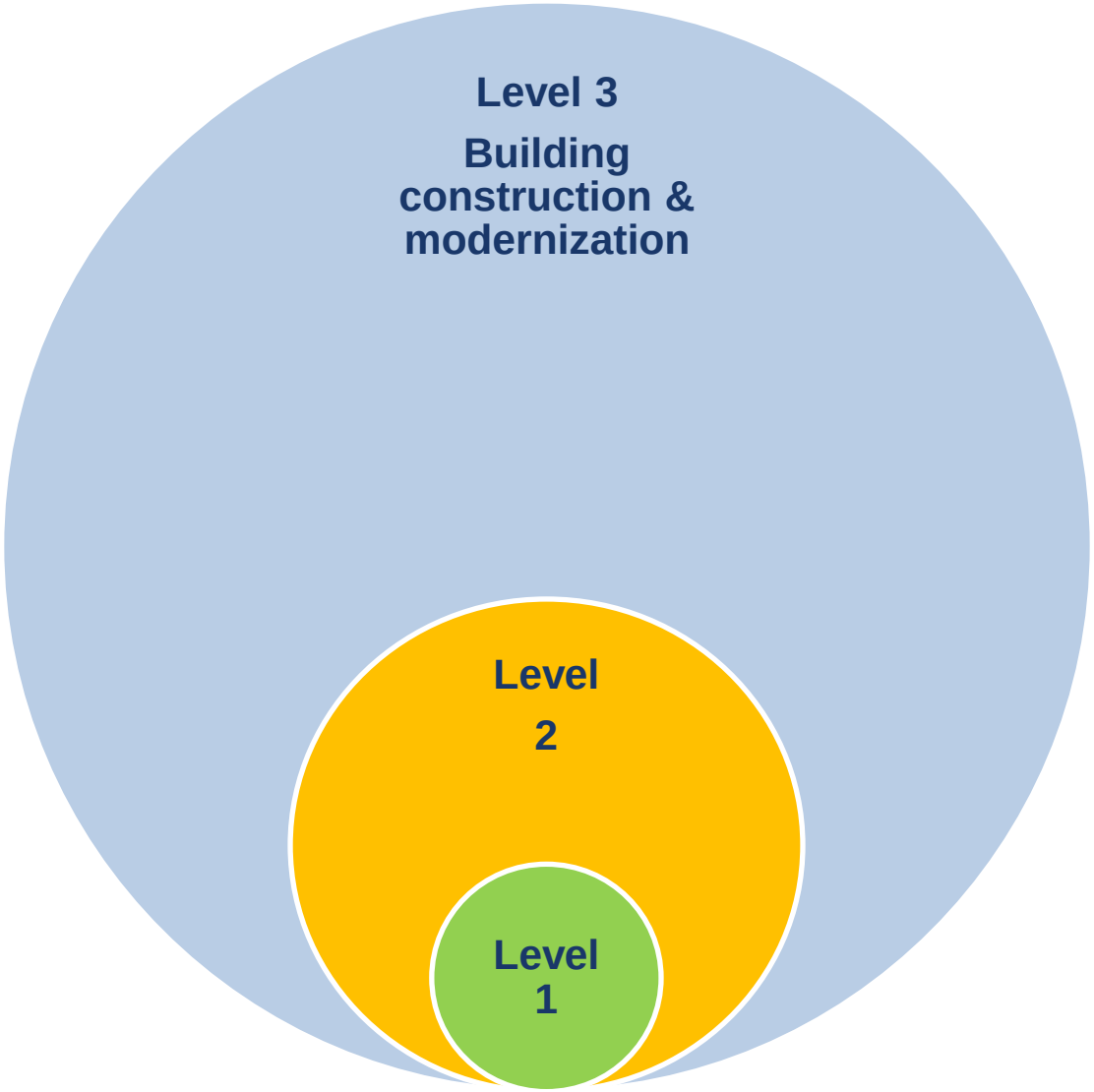
Sustainability In Building Design & Operation – opportunity/impact



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Reflection

- What is something new that you learned?
- What did you hear today that surprised you?
- What elements of sustainable design should we spotlight with the community about our upcoming capital projects?

Open Discussion / Closing

Thank you!

- Next meeting: March 6, 2025
- Electric bus ride and infrastructure tour
- Green Team update
- Sustainable purchasing practices update
- Looking ahead to 2025-26