



**Energy CLASS Prize
City Schools of Decatur
2024 Presentation**

Our Team

- Staff:
- 1) Sergio Perez, Chief Operating Officer, City Schools of Decatur (also City of Decatur/Agnes Scott College Climate Resilience Plan committee member)
 - 2) Chris Young, Director of Facilities and Maintenance, City Schools of Decatur

Community Members:

- 3) Lisa Coronado, a founder of Decatur Cares About Climate
- 4) Alex Stewart, current chair of the City of Decatur Environmental Sustainability Board (ESB) with a background in construction project management
- 5) Michael Black, former Chair of ESB, City of Decatur/Agnes Scott College Climate Resilience Plan committee member and faculty at Georgia State University
- 6) Tony Harding, ESB member and faculty at Georgia Institute of Technology focused on environmental economics
- 7) Andrew Hardin, ESB member and change management expert, focusing on the human factors of change adoption.



OUR SCHOOLS

- College Heights Early Childhood Center
- Clairemont Elementary School
- Glennwood Elementary School
- Oakhurst Elementary School
- Winnona Park Elementary School
- Westchester Elementary School
- Fifth Avenue Upper Elementary School
- Talley Street Upper Elementary School
- Beacon Hill Middle School
- Decatur High School
- Decatur Virtual Academy
- Kentucky Bus Barn
- Wilson Center headquarters
- Maintenance Building



**Decatur High School
Decatur Career Academy**

**College Heights
Early Childhood
Learning Center
Infant-PreK**

**Five K-3
Schools**



**Beacon Hill Middle
School**

**Fifth Avenue Upper
Elementary**

**Talley Street Upper
Elementary**

Improvements to Date

- TPO Roof Replacements
- Boilers Replacements
- HVAC WSHP, RTU Replacements
- Air Ducts cleaning
- Interior lights replacement LED
- Solar array expansions
- Parking area LED lights Replacements
- Stadium LED lights Replacement
- Kitchen Equipment Replacements
- Electric Vehicle Charging Stations Installations



Solar PV installation & Benefits



Lifetime energy
360.88 MWh

Environmental Benefits

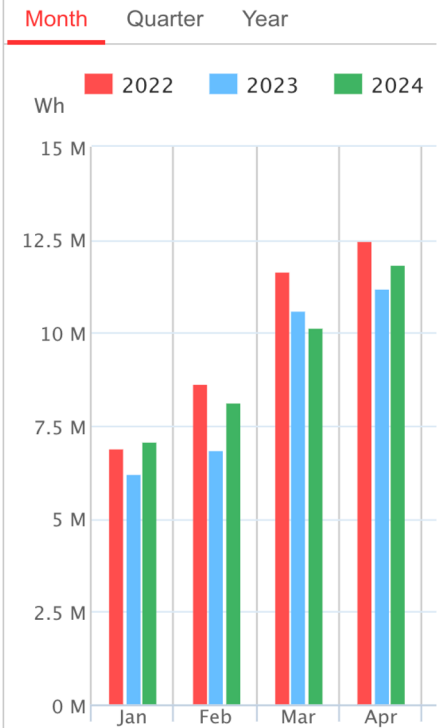


CO2 Emission Saved
558,805.5 lb



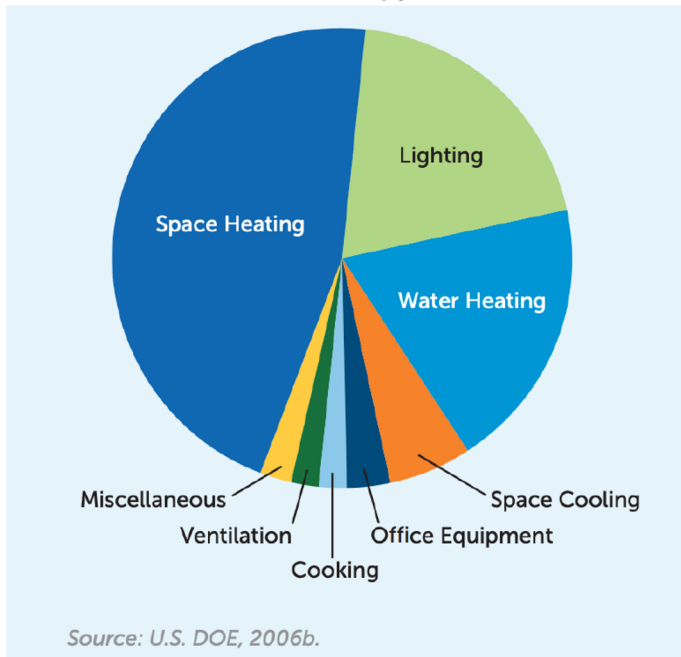
Equivalent Trees Planted
4,222.28

Comparative Energy



Progress Made During Phase 2

Breakdown of Energy Use K-12



National Average for K-12 Facilities

Air Conditioning & Heating Account for Approximately 50% of all Energy Usage.

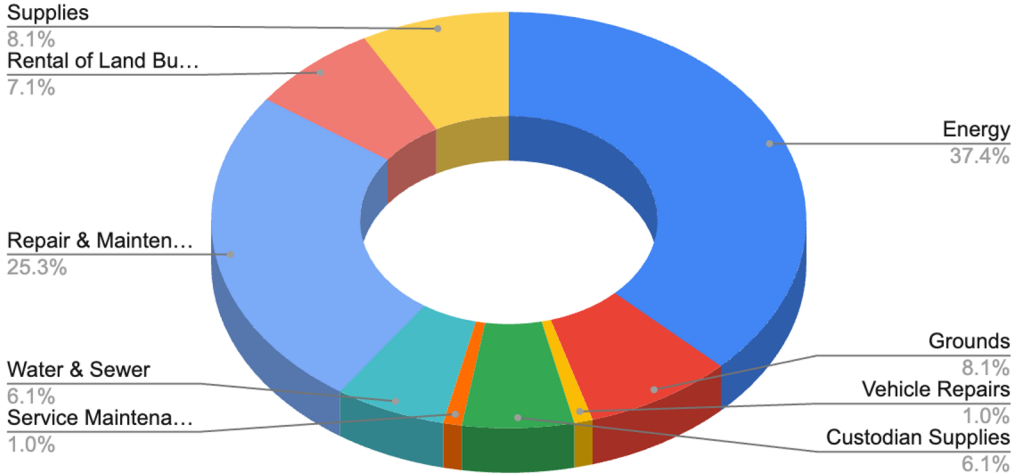
Lighting & Water Heating Combined Account for Approximately 40% of Energy Usage.

	National Average	City Schools of Decatur
Cost Per Square Foot	*\$1.13	\$1.40
Cost Per Student	\$205	\$218.35



Energy Assessment

- The largest annual expense for the Operations Division is Energy.
- The cost for Electricity & Natural Gas during the 2021/2022 was \$1,202,454



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Knowledge Gained & Opportunities

- HVAC replacement and upgrades (ERUs, WSHP)
- Kitchen Equipment Energy Efficient Replacement
- Purchase of alternative fuel school busses
- LED Lighting in remaining locations
- Expansion of Solar Arrays
- Boiler & Water Heater replacements
- Replace Roofing with TPO
- Building Automation / Energy Management System Upgrades
- Sustainable Flooring Systems



Proposed Upgrades

Old:



Decatur High School

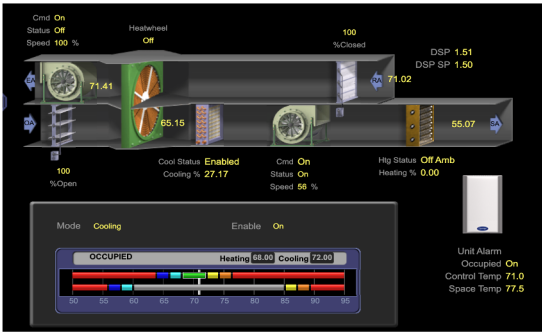
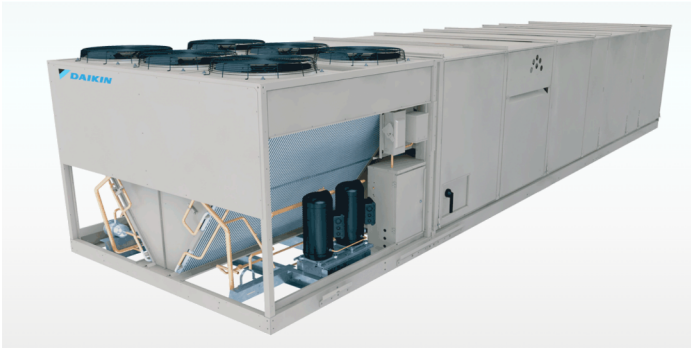


Clairemont Elementary



Winnona Park Elementary

Proposed Upgrades:



Community Engagement

FIELD TRIP



We walked alot and learned even more on our sustainability tour of Decatur yesterday.



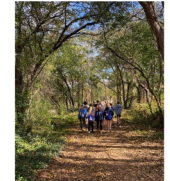
Solar Panels @ Public Works



Bioswales along S.Columbia



Green roof & Geothermal Energy @Fire Station #1



Walking Trails and Invasive Species



Global Growers @ Legacy Park



And of course a MARTA ride!

