

Middleton-Cross Plains Area School District



Jerrud Rossing

Assistant Superintendent of Operations

Implementing energy cost reduction strategies to lower operating costs and carbon emissions has long been a priority for Middleton-Cross Plains Area School District.



Middleton–Cross Plains
Area School District
inclusive. innovative. inspiring.

About MCPASD:

- Enrollment: 7,260 students
- Employees: 1,157
- Size of District: 78.2 sq. mi.
- Buildings: 16 buildings over 1,660,000 sq. ft.
 - Early Learning Center/Cardinal Academy
 - 7 Elementary Schools
 - 2 Middle Schools
 - 1 High School
 - 3 Support Buildings
 - Athletic Complex
 - Wellness Clinic
- Recognitions:
 - Sustainability Middleton Awards
 - Green Ribbon Schools - US Department of Education
 - Dane County Climate Champion



Climate
Champion

Dane County Office of
Energy &
Climate Change



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Sustainability:

- 99% LED lighting in our buildings
- Upgrades light controls
- Geothermal - Pope Farm, Kromrey Middle School, Glacier Creek Middle School (portion of building)
- Board of Education Sustainability Resolution - March 2021
- Energy Star ratings at a number of our buildings
- MGE Solar Program - 25%

Since 1993, due to sustainability energy cost avoidance has resulted in:
Natural Gas -over \$840,000
Electricity - over \$5,400,000
in savings

Our 3 Buckets of Focus



The Why:

- Board of Education Resolution:
Meet 100% of all District operations energy needs with renewable energy by 2035

This was led by our students. We have a very active Green Team at the middle school and high school!

2021 Resolution

NOW, THEREFORE BE IT RESOLVED, MCPASD will pursue a strong and more cohesive sustainability program (operational, curricular, and cultural) in all schools in order to equip all students with the knowledge and foundation to overcome future challenges, such as climate change, and better our world:

BE IT FURTHER RESOLVED, MCPASD will build into future facility plans mandatory standards for the use of renewable materials, water efficiency, energy efficiency, recycling, and renewable energy projects.

BE IT FURTHER RESOLVED, MCPASD will adopt a zero-waste philosophy, identify and implement sustainable practices throughout its campuses, and develop a waste infrastructure that includes compost, recycling, and e-waste recycling to instill a culture of sustainability in all its members.

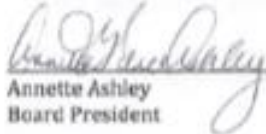
BE IT FURTHER RESOLVED, MCPASD will establish goals to reduce landfill waste through sustainable practices by 35% by 2025.

BE IT FURTHER RESOLVED, MCPASD will establish goals to meet 100% of all district operations energy needs with renewable energy by 2035.

BE IT FURTHER RESOLVED, Administration will identify grants and other external, extraordinary funding resources to assist the District's efforts to implement major energy efficient improvements;

BE IT FURTHER RESOLVED, MCPASD will create a sustainability committee to assist with meeting the resolution and to help create a better world, safe from environmental issues, for generations to come.

IN WITNESS WHEREOF, the Middleton Cross Plains Area School District Board of Education has executed this resolution the 22nd day of March, 2021.


Annette Ashley
Board President

3/22/21
Date



External Partnerships:



- Community

- Our community members
- Local municipalities
- School Districts
- Dane County Office of Energy and Climate Change

- Public works providers

- Electric
- Gas
- Water
- Recycling and Trash

- Vendors

- Suppliers (who we purchase materials/supplies from)
- Purchased Services
 - Composting Services
- Consultants
 - Engineering
 - Architects
 - HVAC
 - Construction



Different Funding Opportunities:

- Operational Budget (Fund 10)
 - Incorporate into departmental and building budgets
- Capital Projects Fund (Fund 41)
 - Summer Capital Projects
- Long-Term Capital Improvement Fund (Fund 46)
- Inflation Reduction Act
- WI Public Service Commission – Office of Energy Innovation
- Referendum (Operational and/or Capital)
- Local, State and Federal Grants
 - Renew America’s School
 - EPA (Environmental Protection Agency)
 - WI Public Services Commission
 - Department of Education Green Ribbon Schools Program



Our Next Steps:

- Formation of Sustainability Committee
 - Community Members, Students and Staff
- Comprehensive Building Audit
- To inform the development of a roadmap to decarbonization and 100% renewable energy plan
- Development of Roadmap and Funding Sources
- Data Dashboard for Community, Students and Staff
- Continued Learning and Collaboration

