

Staff Update

SMC – November 25th 2024



CITY OF MADISON
SUSTAINABILITY

Air Quality Monitoring

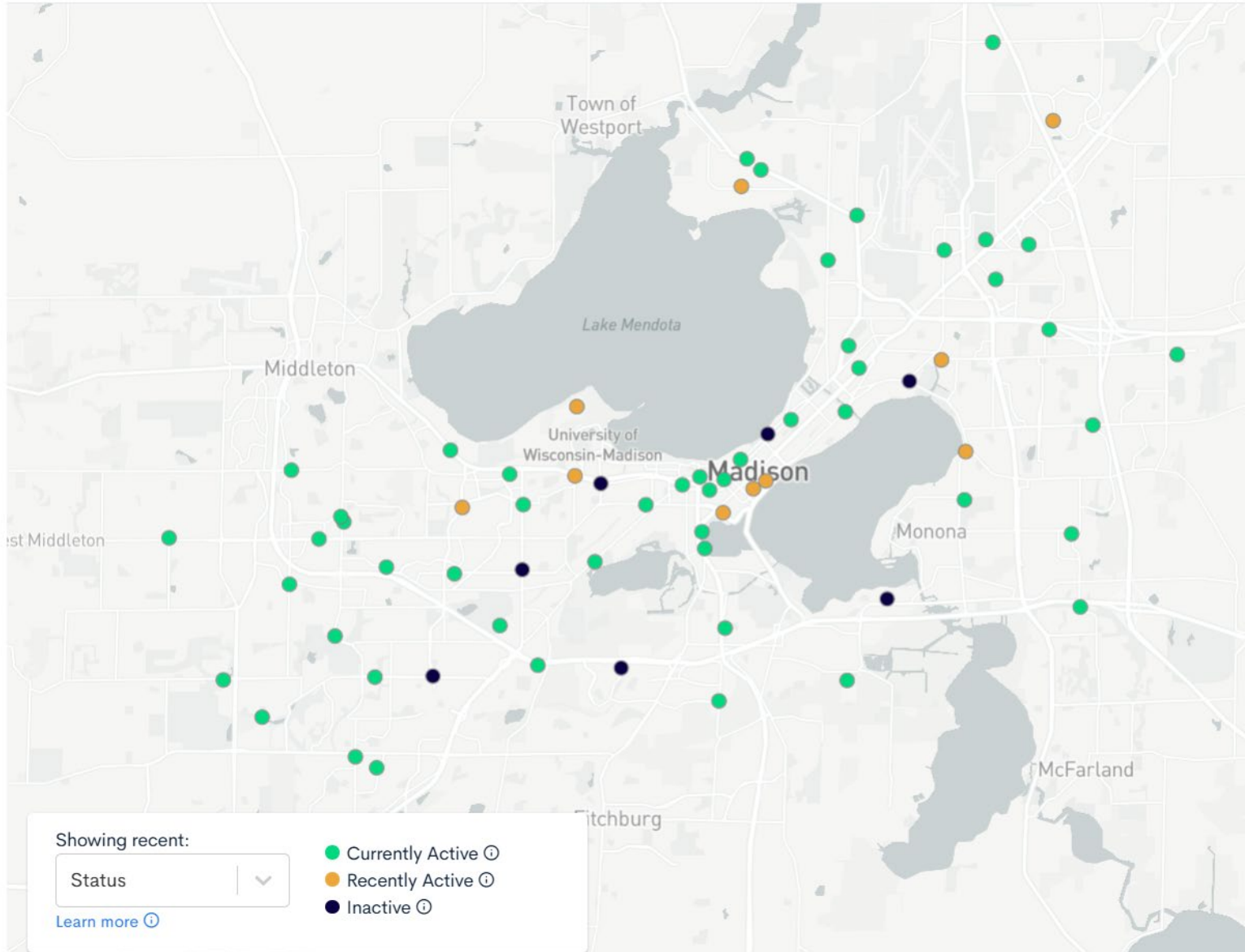
The City of Madison is leading a collaborative project to install a [citywide network of air quality sensors](#) to help understand air pollution in our community.

65 sensors are installed across Madison, roughly in each 2018 census tract.

This initiative is supported by a \$430,000 grant from the US Environmental Protection Agency (EPA).

Progress:

- All monitors have been installed
- Next step is setting up to provide data to the public on the Love My Air Dashboard
- Received considerable news coverage for the project



Building Energy Savings Program




The City of Madison adopted the new Building Energy Savings program (BESP) in March 2023 to improve energy efficiency in large commercial buildings community-wide through energy benchmarking and tune-ups.

In 2025:

- Commercial buildings larger than 50,000 square feet must benchmark by June 30.
- Commercial buildings larger than 100,000 must complete a tune-up by October 31.

Progress:

- Working with building owners that received an extension to complete benchmarking for 2024.
 - December 6 is the final deadline, after which fines may start to be levied against non-compliant buildings.
 - The 2025 covered buildings list and tune-up workbook + guidance will be available in January 2025.
- 

Grants

Awarded: Charging and Fueling Infrastructure Discretionary Grant Program (“CFI”)

City of Madison will collaborate with Dane County and other partners to build EV charging in rural areas, low- and moderate-income neighborhoods, and multi-family housing to help accelerate the transition to EV’s across our region.

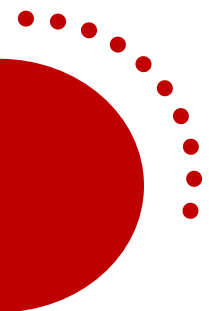
Funding: \$13.2M

Applied: Community Change Grant

City of Madison and nonprofit partners will lead a collaborative project to provide energy efficiency upgrades to 1,875 low-income households in Madison.

Together, the team will expand and accelerate three complementary programs already at work in our community - Project Home, Sustain Dane’s Efficiency Navigator Program, and Operation Fresh Start’s Build Academy and Climate Corp.

Funding: \$20,000,000



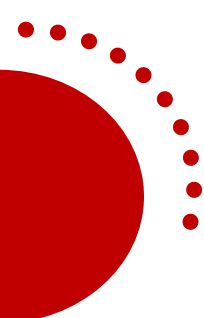
Grants

Awarded: Youth Climate Action Fund – Round 2

Madison has been recommended to advance to Round 2 of the program, recognizing the success in Round 1. The City can support youth-led climate projects between \$1,000 to \$5,000 and allocate up to \$15,000 for administrative costs. Round 2 will focus on deeper local engagement, collaboration with youth, and highlighting innovative projects through a Global Announcement Day and peer learning sessions. The program encourages Madison to build on its success by fostering creative ways to engage youth, strengthening partnerships, and institutionalizing long-term youth involvement.

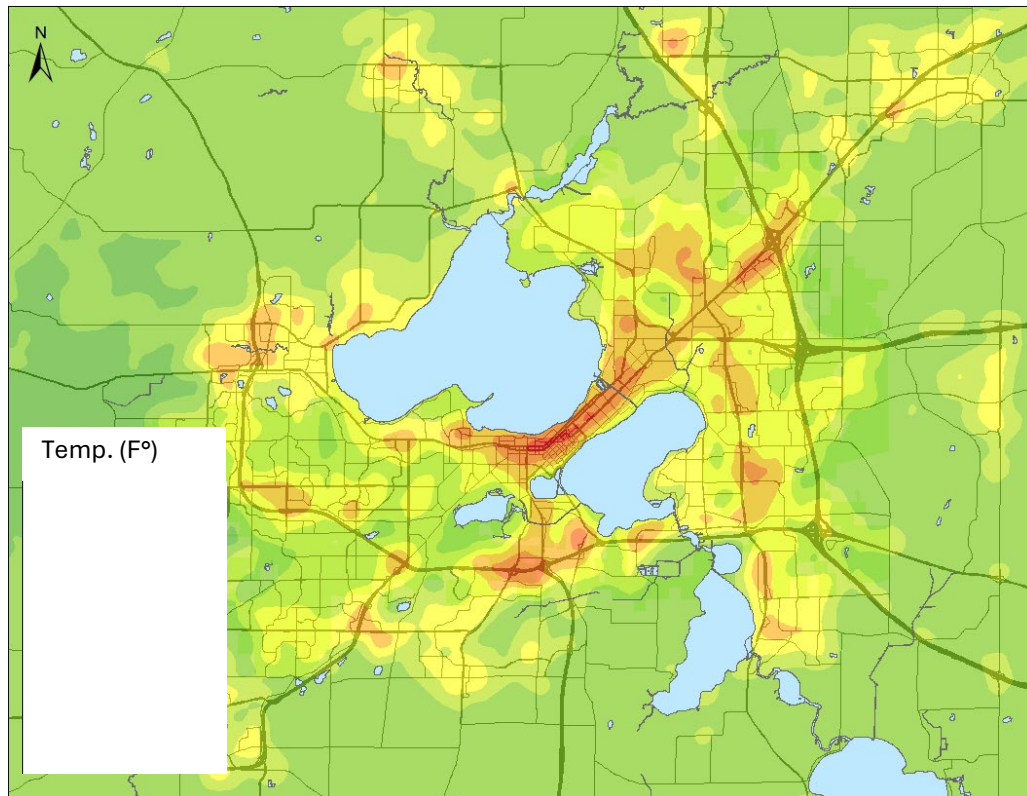
Funding: \$100,000

Youth Climate Action Fund is a sponsored project of Rockefeller Philanthropy Advisors supported by Bloomberg Philanthropies in partnership with United Cities and Local Governments and the Bloomberg Center for Public Innovation at Johns Hopkins University.



Heat Resilience

Mapping temperature across Madison to understand the urban heat island effect.



Progress:

- Creating layers for daytime and nighttime temperatures for average summer conditions and heat wave conditions
- Working on a story-map for the City's website
- Data layers will be available for City and other partners
- Sharing with City and County Emergency Response Planners

Renewable Energy

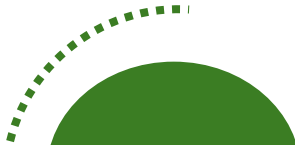


Working to implement the goals from the [100% Renewable Madison report](#). Completed in 2018, the plan provides a science-based approach for reaching our energy goals for City operations and guidance for supporting renewable energy community-wide.

Goals:

100% renewable energy and net zero carbon emissions for city operations by 2030.

Net zero carbon emissions community-wide by 2050.



Progress:

- Currently at ~82% renewable energy for city operations. Will soon have a blog to share those numbers.
- Working with MG&E to explore next project to get the City to 100% renewable energy.
- MG&E is considering a renewable natural gas (RNG) pilot, which could off-set some of the more challenging natural gas emissions in the City's portfolio.
- The [City passed 2MW of solar installed on our facilities](#). That brings our current total to 6,203 panels at 38 different facilities.

Efficiency Navigator

Partnership with Sustain Dane and Elevate Energy to provide free energy efficiency upgrades to affordable multifamily housing serving.

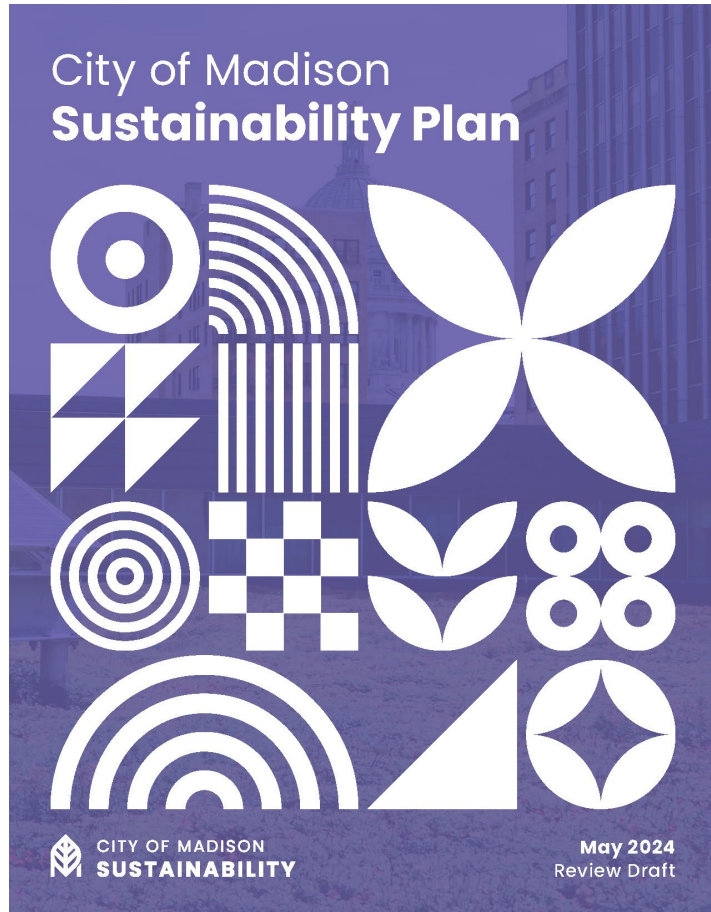


Progress:

- In 2023, the City, Sustain Dane, and Elevate Energy worked together with building owners to improve the homes of 71 families in our community.
- These improvements also reduce resident's exposure to indoor air pollutants associated with natural gas and mold.



Sustainability Plan Update



Schedule:

- Passed Common Council on 8/6
- Developing tracking spreadsheet for goals and actions and have begun to coordinate with department leads
- Sharing implementation plan with the Mayor in December

Questions?



CITY OF MADISON
SUSTAINABILITY