

Update on Greenhouse Gas Emissions (County Facilities & Fleet)

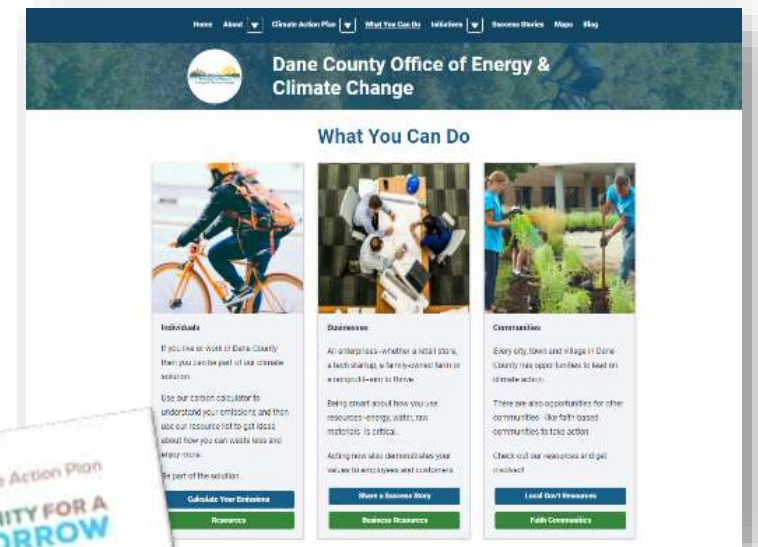
Dane County Public Works & Transportation Committee
June 10, 2024



Kathy Kuntz, Director

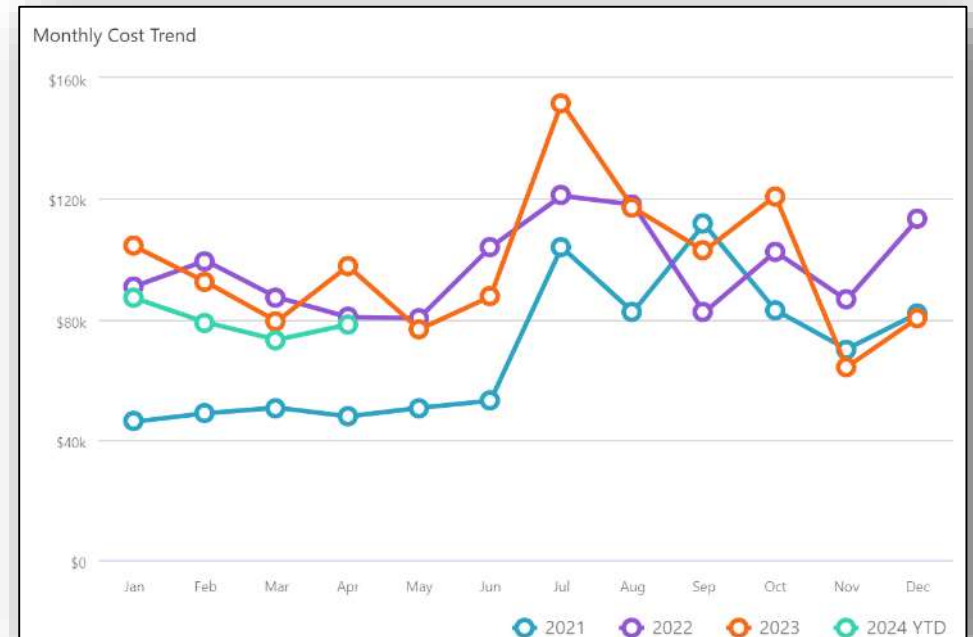
Dane County Office of Energy & Climate Change

- Est. by Exec Parisi in 2017
 - Climate Action Plan in 2020
- Reduce emissions in county operations
 - Electricity 100% renewable offset in 2023
 - Carbon neutral facilities/fleet/land by 2030
- Reduce countywide emissions
 - Cut emissions in half by 2030
 - Carbon neutral by 2050
- Find us at DaneClimateAction.org
 - **DaneOECC** on social media

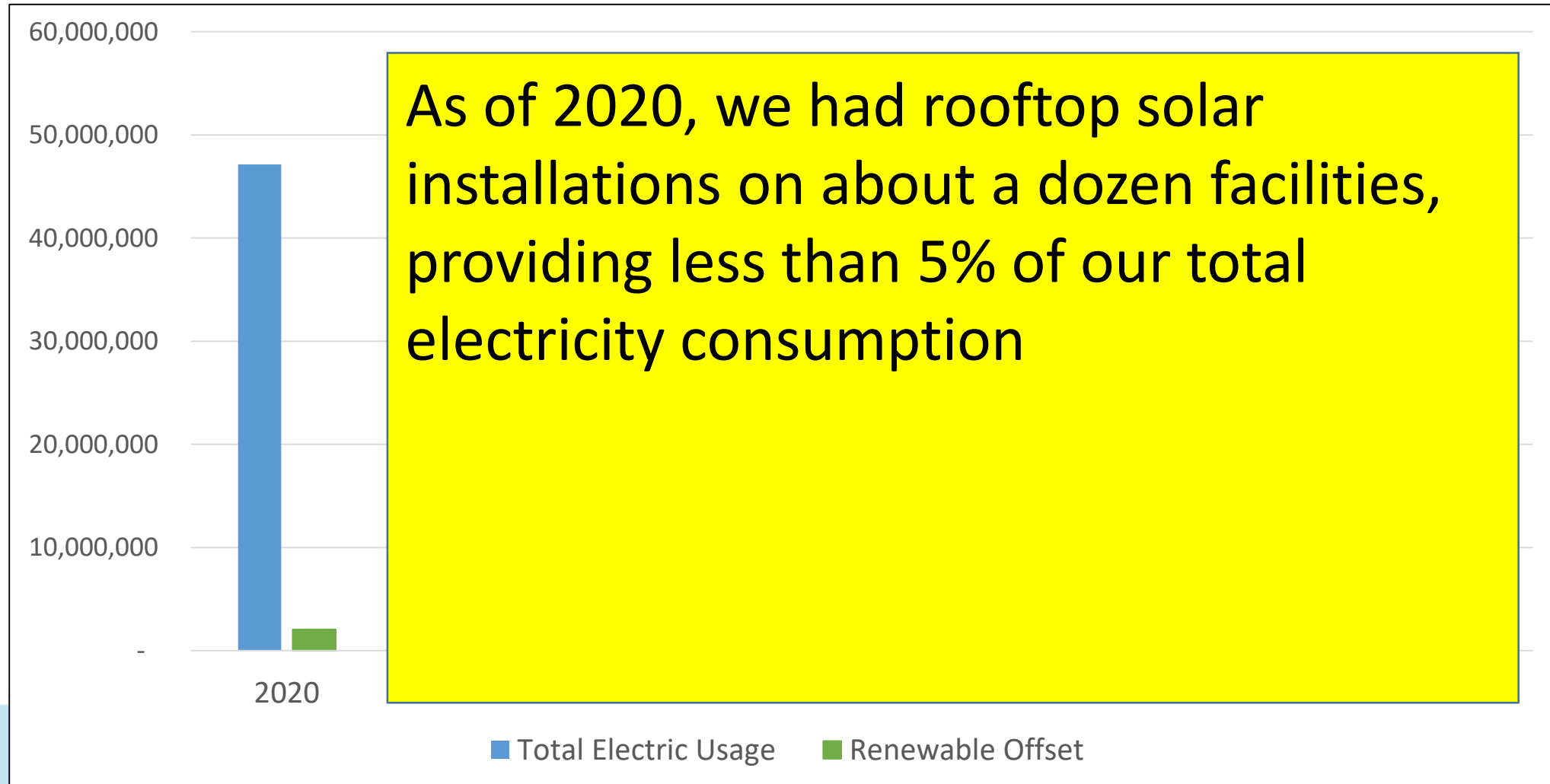


OECC's Role in Internal Operations

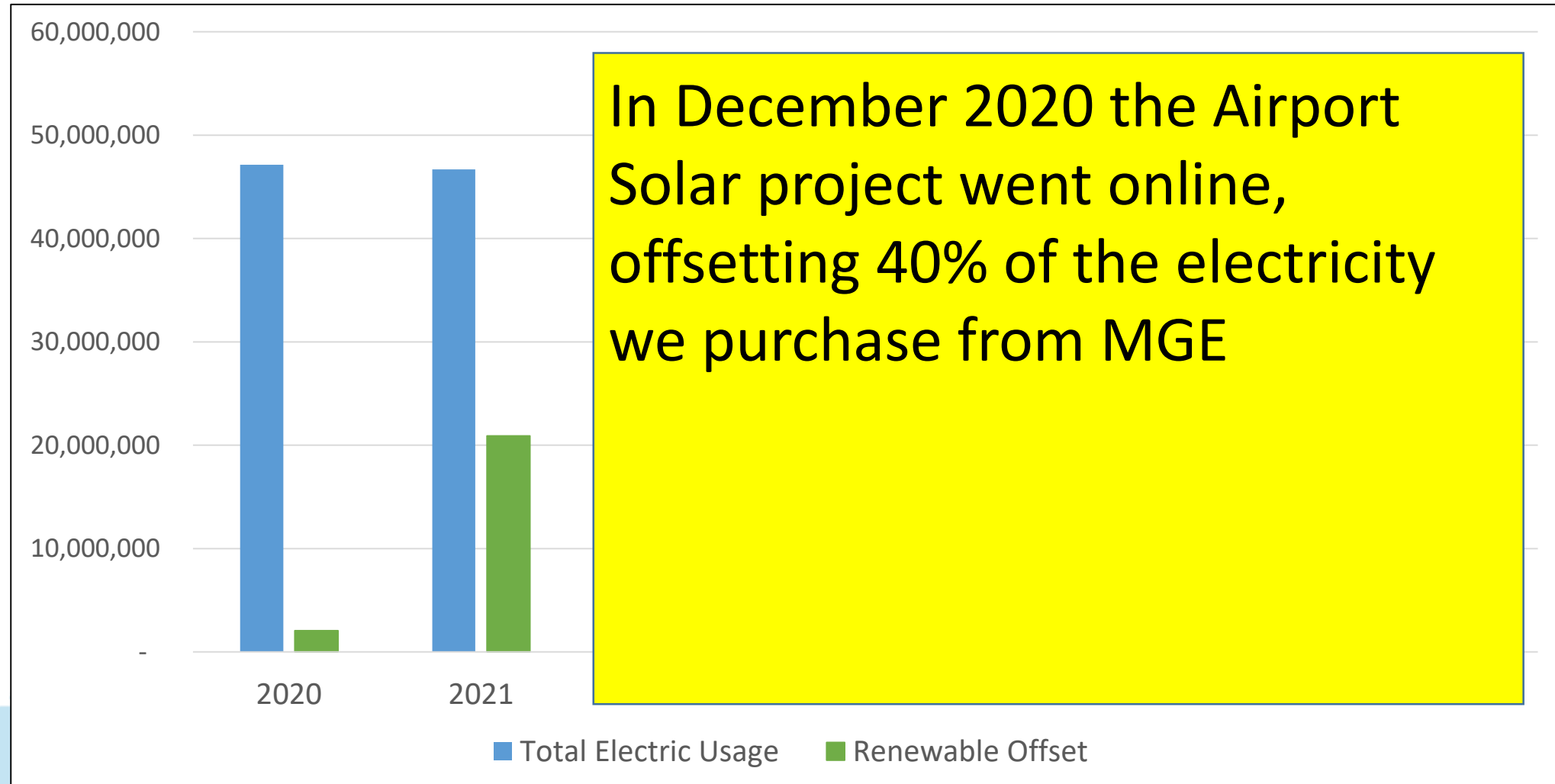
- Public Works, Facilities Management and various department staff implement projects
- We monitor the results
 - Energy use in county operations
 - 100% renewable offset by 2025 goal (achieved in 2023)
 - Carbon neutrality by 2030 goal



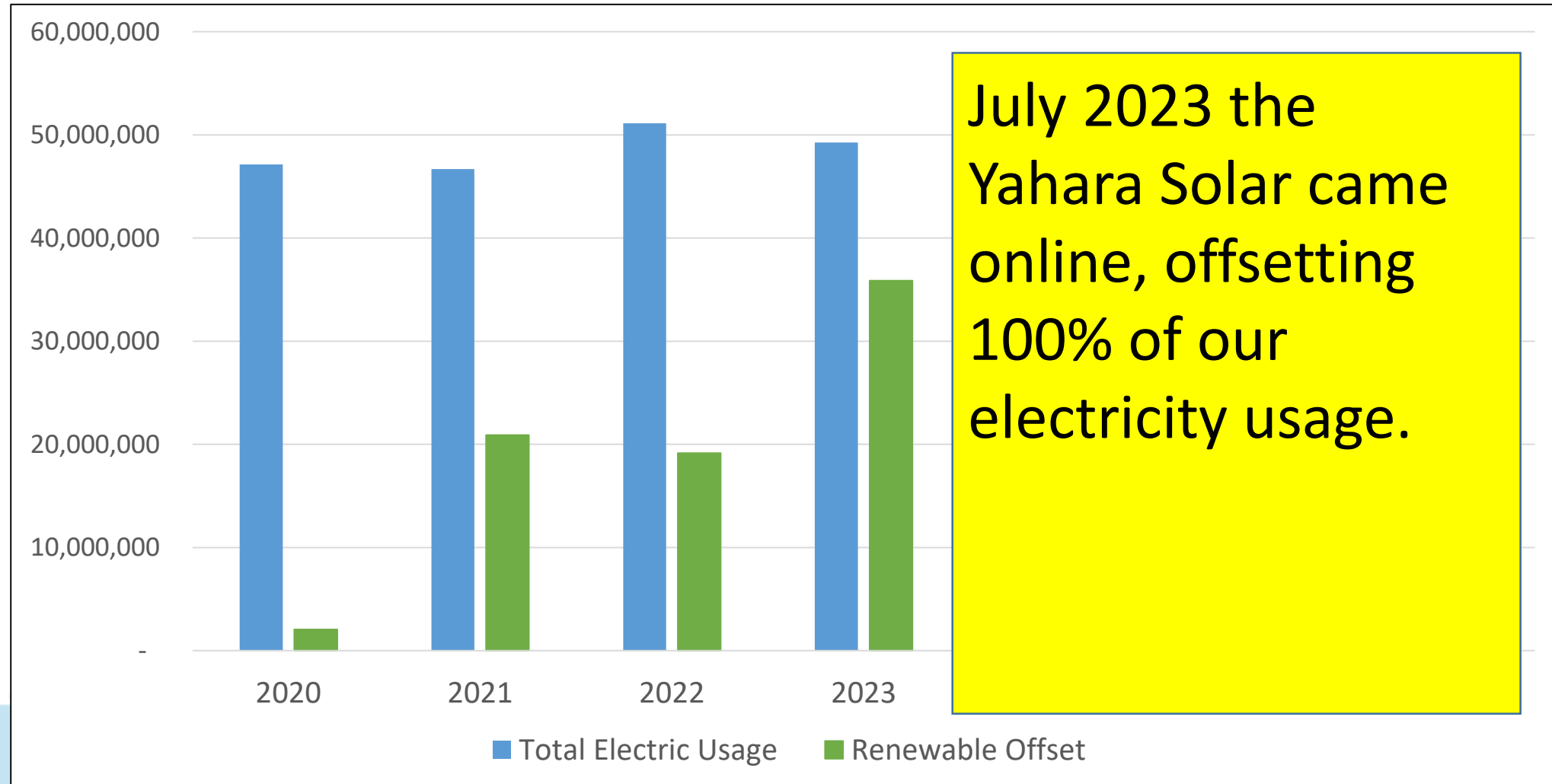
Renewable Offsets for Electric Usage



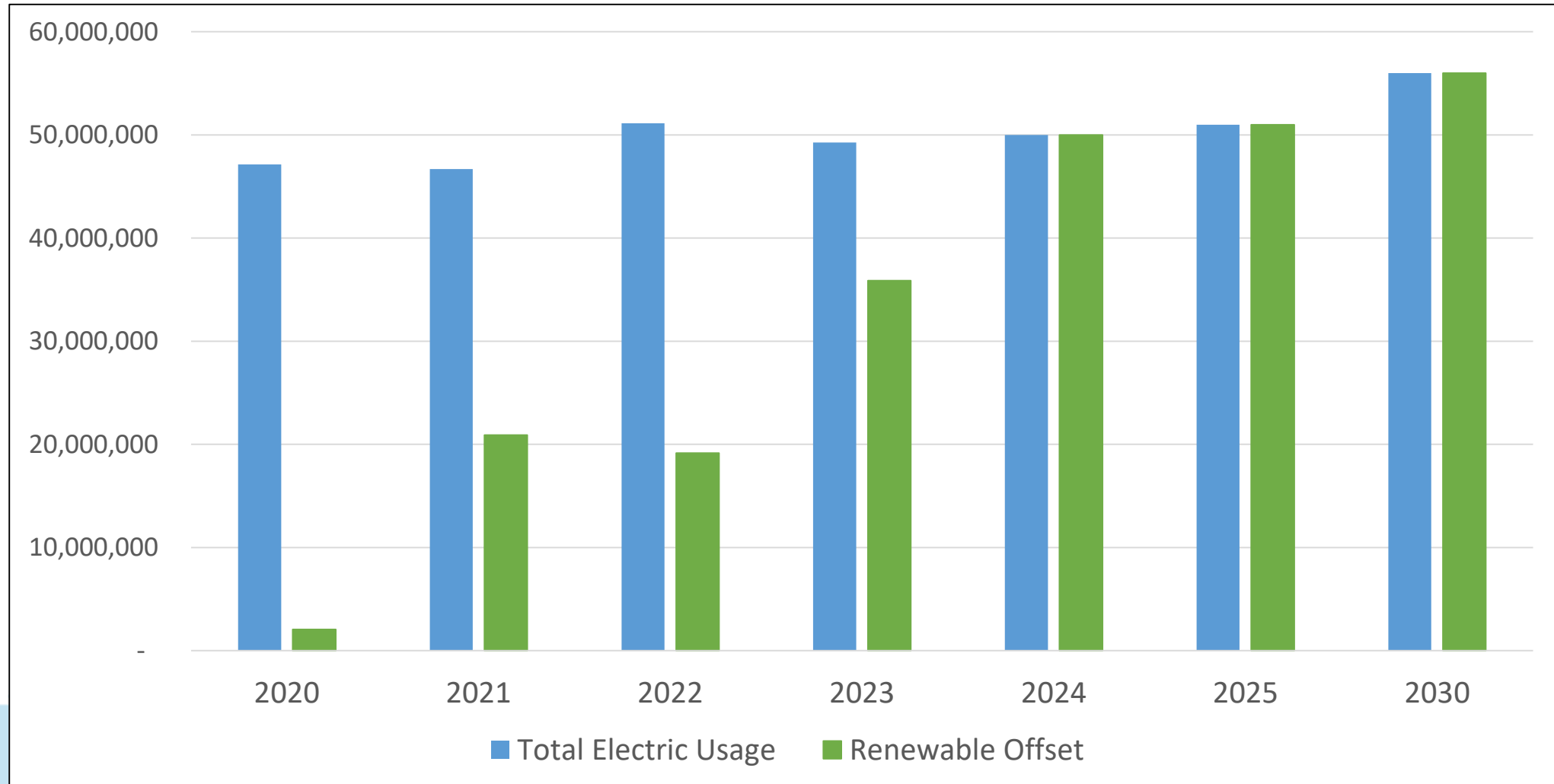
Renewable Offsets for Electric Usage



Renewable Offsets for Electric Usage



Renewable Offsets for Electric Usage



Dane County Did It!

- First county in Wisconsin to be 100% renewable offset
 - Fourth county in the nation
- It's paying off: \$300k in savings on Airport Solar in 2023
 - We had no out-of-pocket for that project
- So then what's next?





'We all have a responsibility to act now': Dane County aims for net-zero carbon emissions by 2030

By Logan Rude | Sep 29, 2021



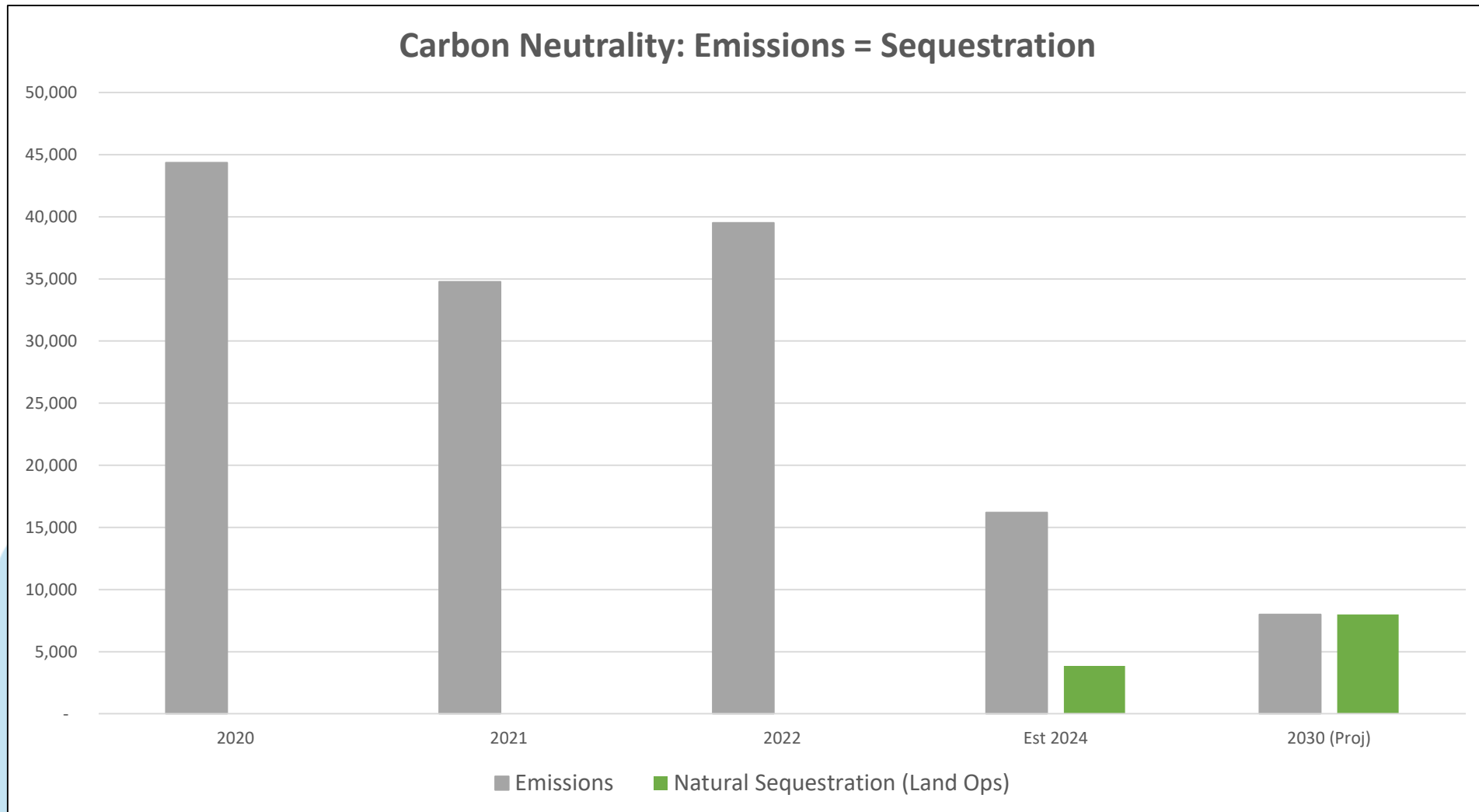
MOST POPULAR

- 1 ALERT DAY Friday th morning for a winte cold - Kelly
- 2 'We said our goodb Family, Sun Prairie for two children w
- 3 UPDATE: People dis from Beloit busines return home
- 4 Dane County, City o non-essential open winter storm
- 5 Wisconsin Suprem reconsider ruling o legislative maps

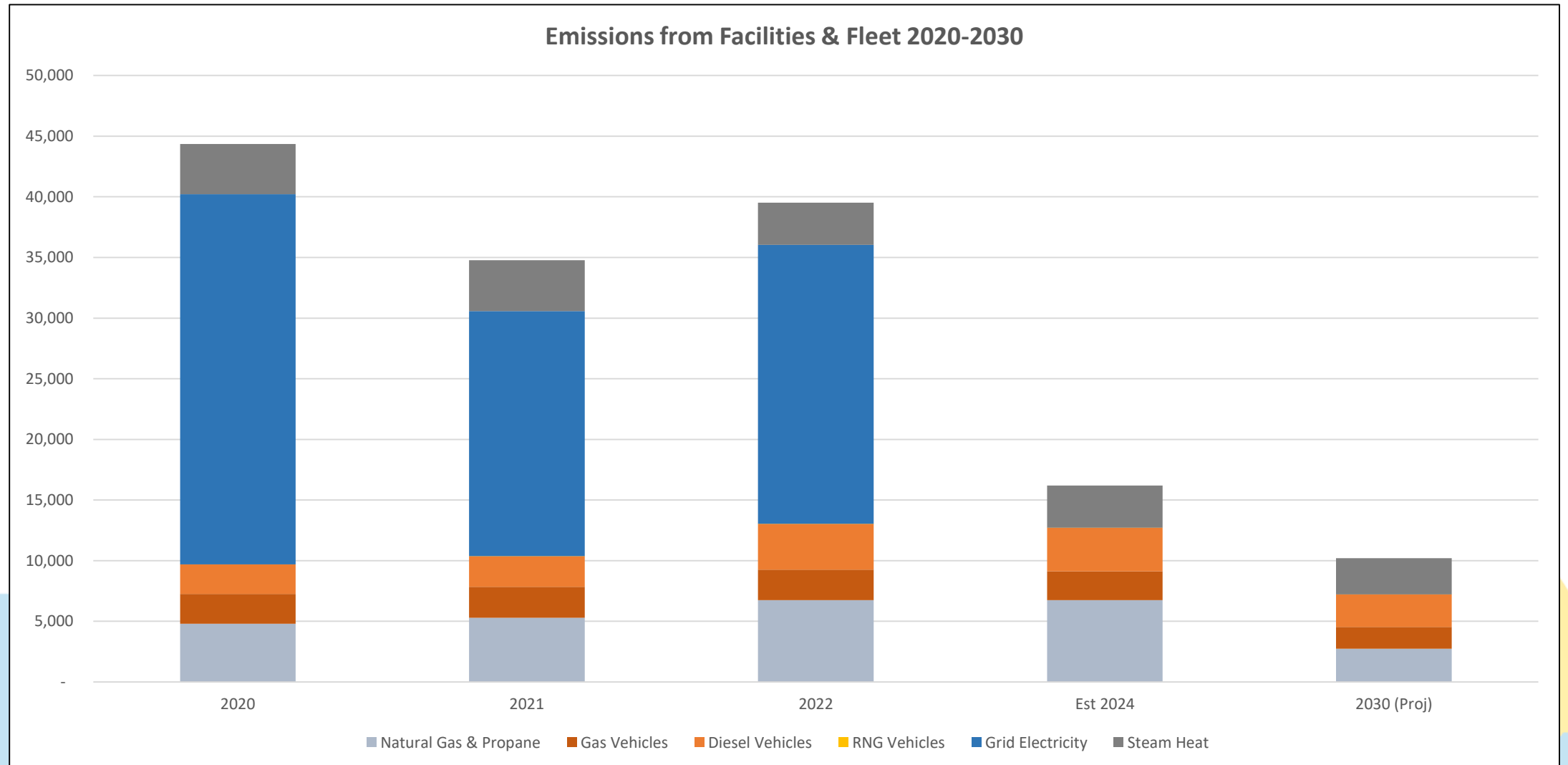
“Dane County will continue to be a national leader in combating climate change. **We will continue to cut emissions in our buildings and fleet while increasing natural carbon sequestration on County lands so that we achieve carbon neutrality by 2030,**” said Dane County Executive Joe Parisi. *(September 2023)*



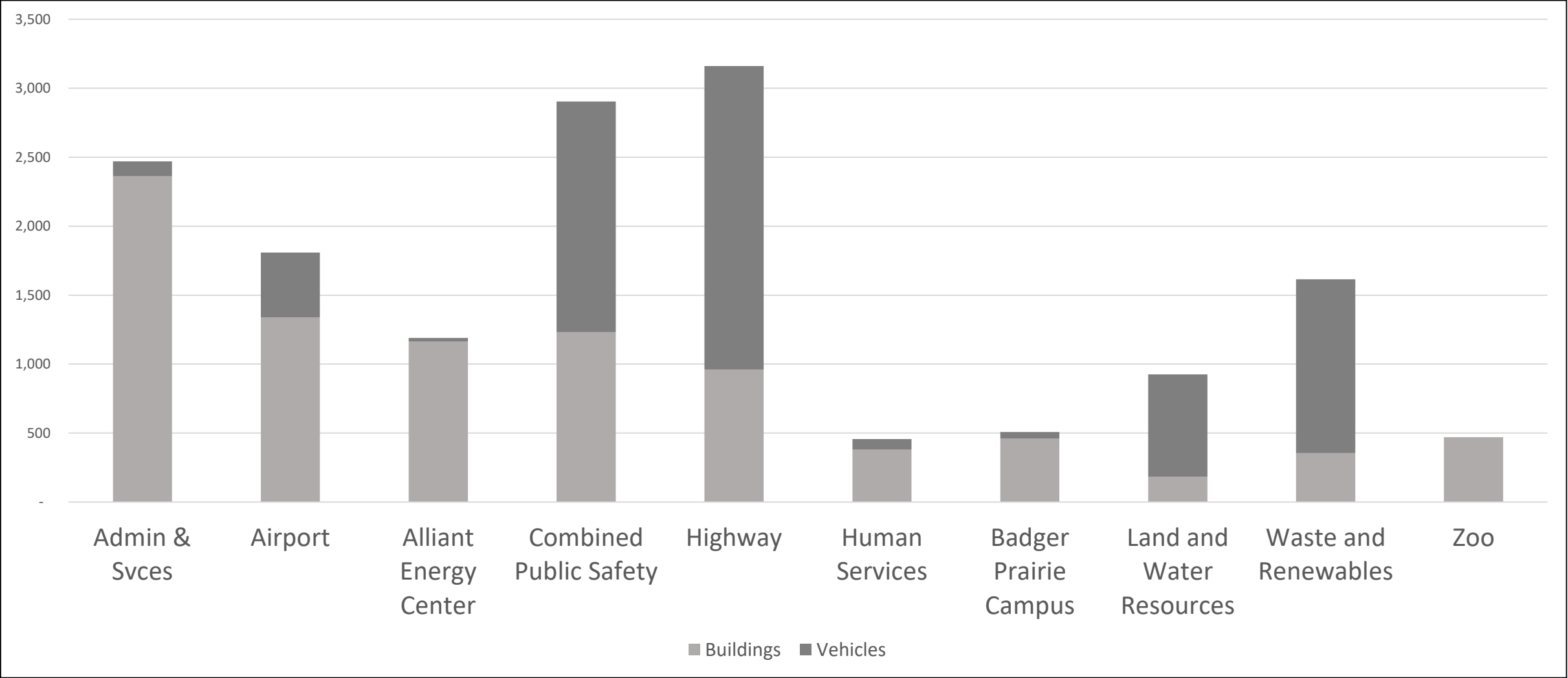
Facilities, Fleet & Land Operations Carbon Neutral by 2030



Facilities, Fleet & Land Operations Carbon Neutral by 2030

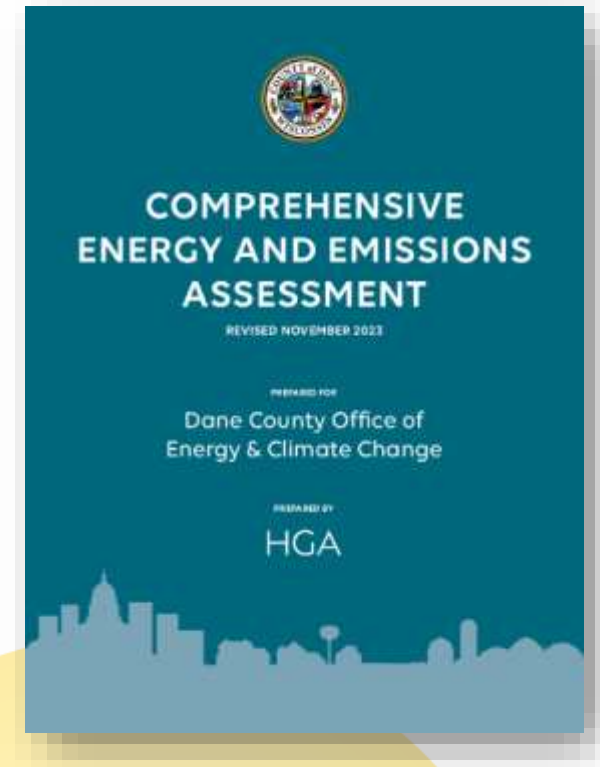


Estimated 2024 CO2 Emissions by Department Groups



Aim to Cut 2024 Facility Emissions 35% or more

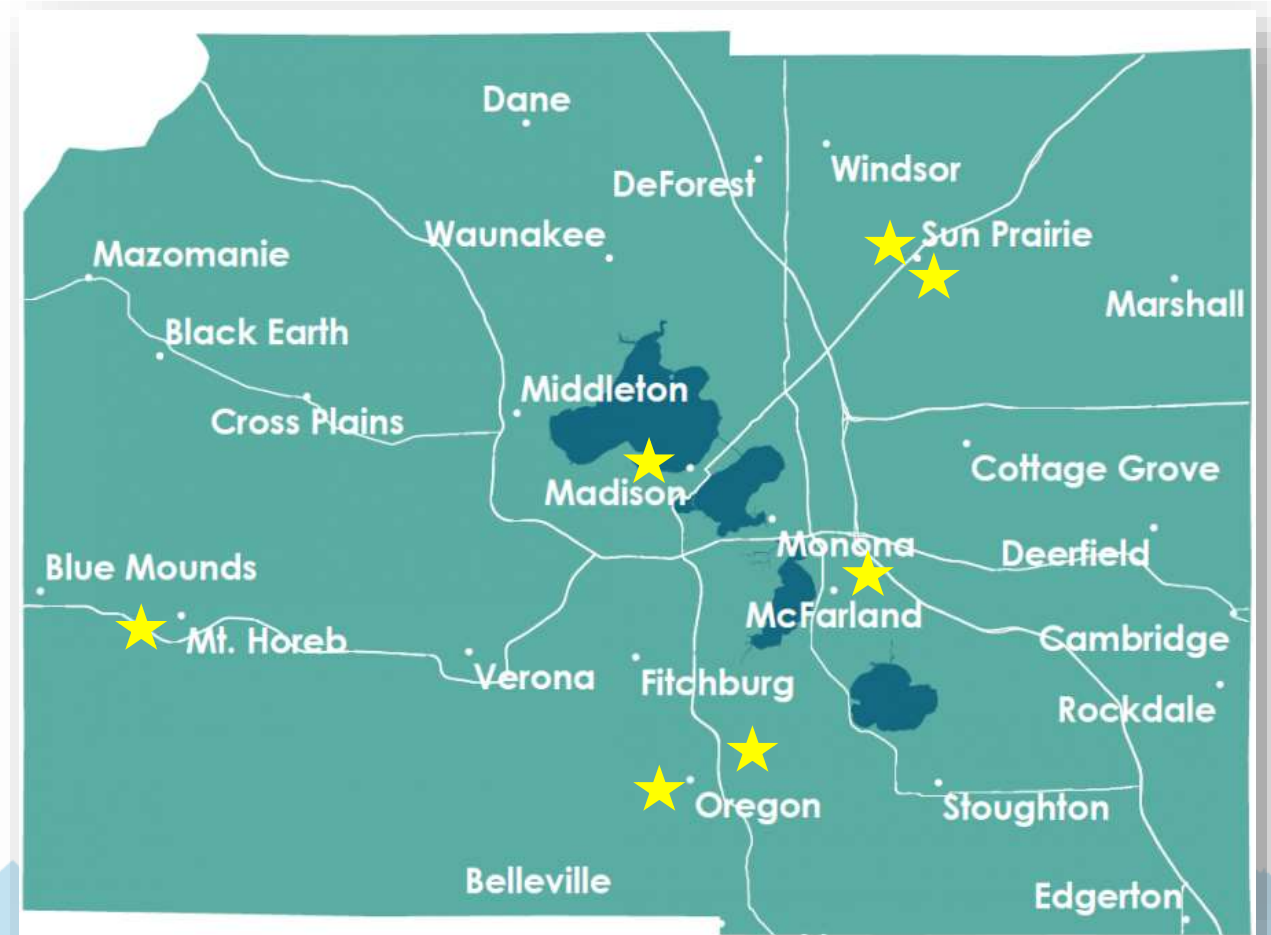
- Reduce natural gas and propane use
 - Energy efficiency
 - Electrification
- Reduce steam emissions
 - Energy efficiency
 - Collaboration with state to clean up Capital steam plant



Growing # of Net Zero Buildings in Area



Forest Edge Elementary (Oregon School District) was the first net zero energy school in the US. Featuring geothermal, solar and batteries the school generates more power than it uses on an annual basis. And it started a local trend.



Aim to Cut Fleet Emissions Too

- Reduce diesel and gasoline emissions
 - Efficient vehicles
 - Electrification
 - CNG and Biodiesel
- Prioritizing high-use vehicles where there's a viable replacement



As We Electrify, We'll Need More Solar

Dept of Waste & Renewables issuing an RFP for partners to develop solar at the Verona Landfill



This Is Collaborative Work

- Achieving carbon neutrality by 2030 is a hugely ambitious goal
 - we can only do this together
- Grateful to work with so many committed partners
 - Public Works
 - Facilities Management
 - Land & Water Resources
 - Waste & Renewables
 - Administration
- We'll hit our 2030 goal – it's what we do in Dane County



Questions?

Kathy Kuntz

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DaneClimateAction.org



Dane County Office of
Energy & Climate Change