

# Sustainability & Resilience



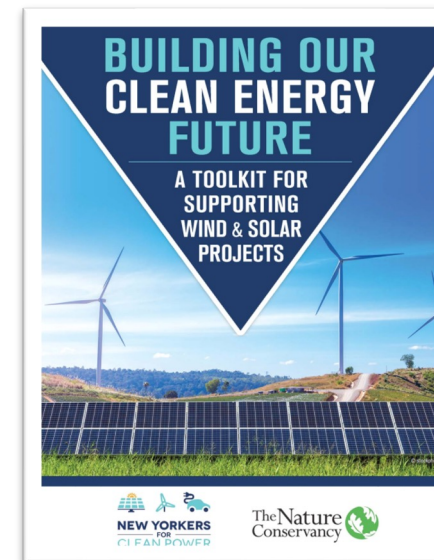
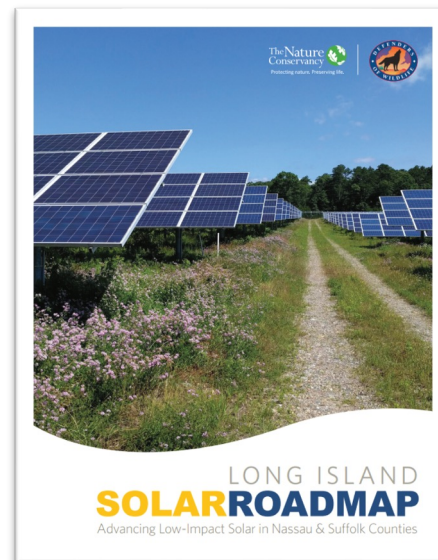
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Photo by Devlik Photography  
Mural by Liubov Szwako

# A Short Timeline



2006 B.S. Biology and Art History, Lake Forest College  
2006 – 2008 Science Writer, University of Chicago  
2010 M.S. Conservation Biology and Sustainable Development  
2016 Ph.D. Environment and Resources  
2016 – 2021 Renewable Energy Strategy Lead, The Nature Conservancy  
2021 – today, Sustainability and Resilience Manager, City of Madison

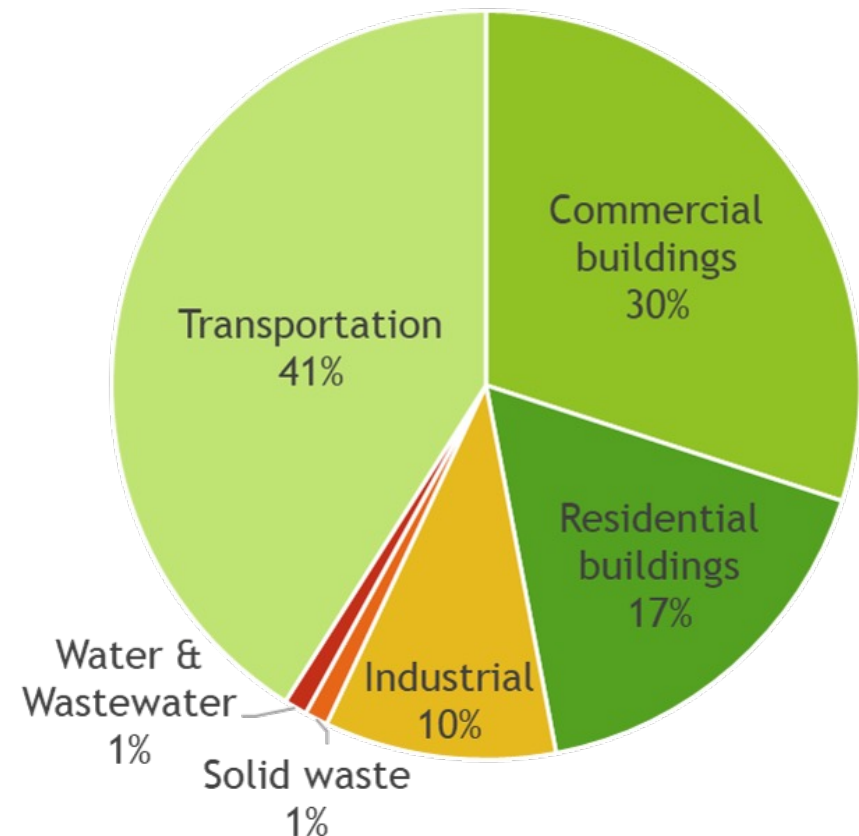


# Madison's Energy & Climate Goals

The City of Madison is committed to reaching 100% renewable energy and net-zero carbon emissions for city operations by 2030 and community-wide by 2050.

Ensure that everyone has access and opportunity to benefit from climate solutions, while not bearing an unequal burden of the impacts of climate change.

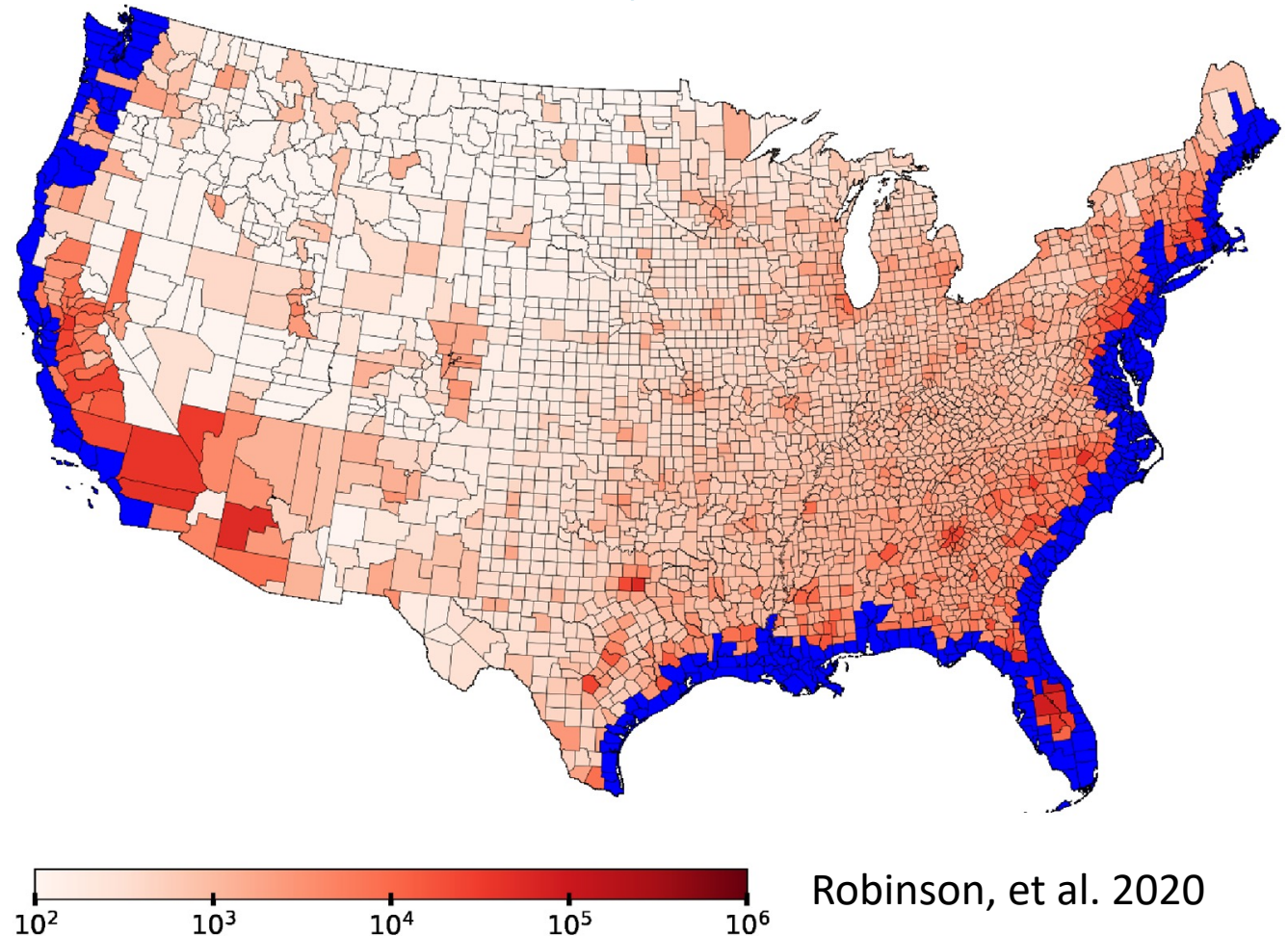
Madison's 2015 GHG Emissions by Sector



# Climigration

- Climate change impacts are driving the migration of people from places of high risk or impact.
- ~13 million people in the US will be displaced by *sea-level rise alone* by the year 2100
- Where will they go?

Modeled population change due to sea level rise by 2100



# Climigration

- Madison is already the fastest growing City in Wisconsin and faces a growing need for affordable housing
- Affordable, quality housing improves climate resilience.
- The location, design, and construction of housing determines both affordability and climate compatibility.



# Madison Mayor's Agendas

Housing Forward



Metro>>Forward



Climate Forward



# Housing Forward Agenda

1. Increase housing choice
2. Create affordable housing throughout the City
3. Combat displacement and segregation
4. Ensure seniors and others can stay in their homes
5. Work to end homelessness



# Metro>>Forward

1. Invest in expansion to provide transit equity to everyone
2. Modernize Metro facilities to make expansion possible
3. Focus on sustainability to provide for cleaner air and carbon pollution
4. Implement Bus Rapid Transit



# Climate Forward Agenda

1. City leads on decarbonization
2. Bring Madison's building stock into the 21<sup>st</sup> century
3. Invest in transit and other low-carbon transportation modes
4. Invest in our community and grown our climate-friendly economy



# Climate-focused Policies & Programs

## Clean Transportation

- 2021 ordinance requires EV charging in most new buildings
- Transitioning to low and no-carbon carbon fleet vehicles
- Bus Rapid Transit will launch in 2024

## Climate Adaptation

- Mapping urban heat island in partnership with UW-Madison
- New project to advance air quality monitoring and address health disparities

## Housing Availability & Energy Efficiency

- 2022 ordinance enabling Accessory Dwelling Units
- 2023 ordinance providing Height Bonus for Affordable Units
- Efficiency Navigator program provides free energy-saving upgrades to multifamily housing
- 2023 ordinance requires large commercial buildings to measure energy use and tune-up systems

# Moving Forward Faster

- Mentors matter. Find one. Be one.
- Stakeholder engagement and partnership is underutilized and undervalued.
- To advance women leaders, teach people to be good followers.

Mural by Caetano Calom



Please reach out! Email - [jprice2@cityofmadison.com](mailto:jprice2@cityofmadison.com)

# Resources

Sustainability and Resilience Website – <https://cityofmadison.com/sustainability>

Housing Forward Agenda -

[https://www.cityofmadison.com/sites/default/files/news/attachments/housing\\_forward\\_final.pdf](https://www.cityofmadison.com/sites/default/files/news/attachments/housing_forward_final.pdf)

Metro>>Forward Agenda -

[https://www.cityofmadison.com/transportation/documents/MetroForward/metroforward2021\\_final.pdf](https://www.cityofmadison.com/transportation/documents/MetroForward/metroforward2021_final.pdf)

Climate Forward Agenda -

[https://www.cityofmadison.com/sites/default/files/news/attachments/climate\\_forward.pdf](https://www.cityofmadison.com/sites/default/files/news/attachments/climate_forward.pdf)

2020 Strategic Climate Action Plan from King County, Washington -

<https://kingcounty.gov/services/environment/climate/actions-strategies/strategic-climate-action-plan.aspx>

# References

- Robinson C, Dilkina B, Moreno-Cruz J (2020) Modeling migration patterns in the USA under sea level rise. PLoS ONE 15(1): e0227436. <https://doi.org/10.1371/journal.pone.0227436>