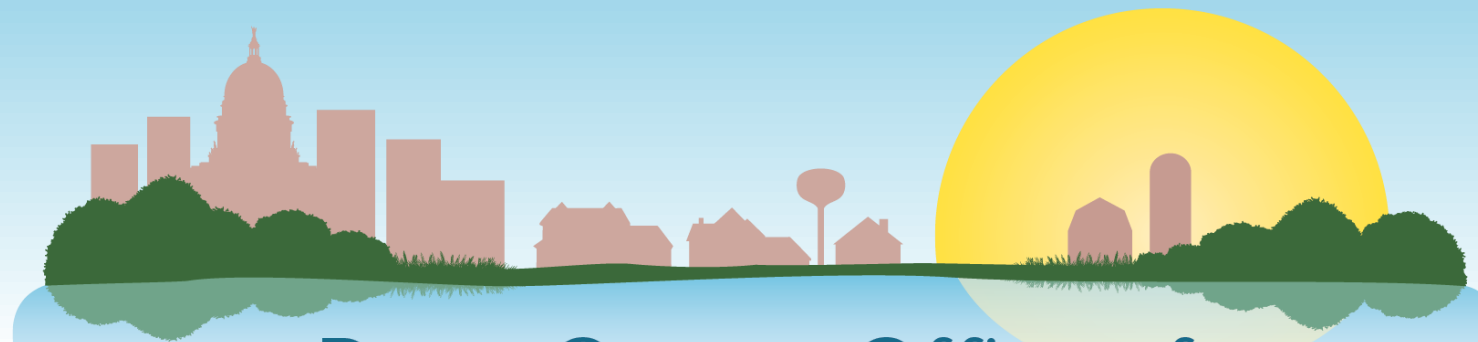


# The Dane County Climate Action Plan

Milwaukee City-County Task Force on Climate Change  
January 31<sup>st</sup>, 2020, Milwaukee City Hall



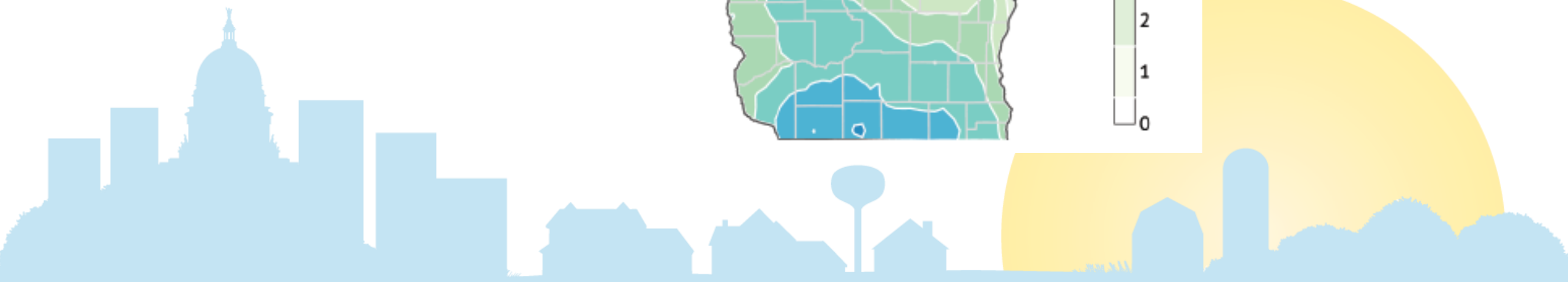
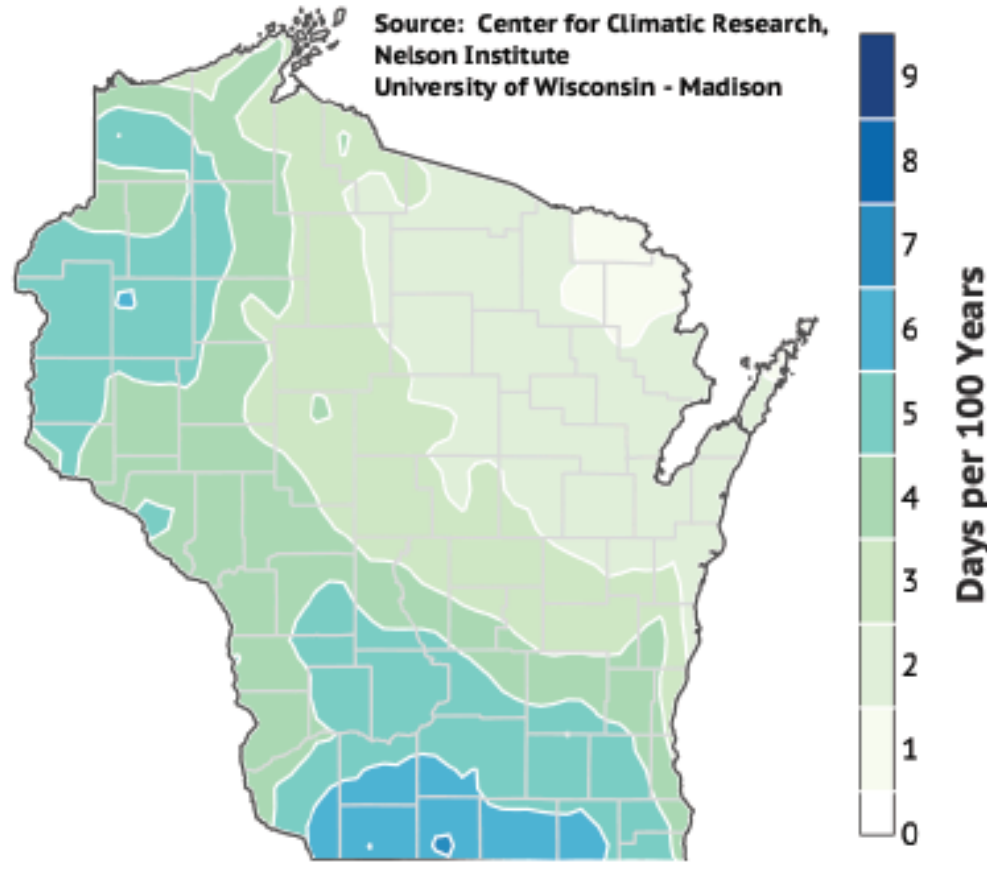
Dane County Office of  
Energy & Climate Change

Keith Reopelle, Director



# Latest Climate Science

**Days per 100 Years with PRCPDays > 5 in 2041-2060 Conditions (RCP85)**





# Dane County – Climate Leaders

- Opinion polls show higher awareness
- Dane Co Gov't 100% Renewable
- First Office of Energy and Climate Change
- First Climate Action Plan



# Dane County Council on Climate Change

## 38 organizations with diverse perspectives

- Ho Chunk Nation
- 7 other government
- 3 utilities (Alliant Energy, MGE, WPPI)
- 12 businesses & 1 chamber of commerce
- 4 community equity/justice organizations
- 2 agriculture organizations
- 6 environmental groups
- 3 University of Wisconsin groups
- Labor & law entities



# Office of Energy & Climate Change: Ten Working Groups



1. Energy efficiency
2. Electricity supply/generation
3. Agriculture, forestry & food
4. Transportation & land use
5. Buildings
6. Water (energy nexus)



# Office of Energy & Climate Change: Ten Working Groups



1. Adaptation
2. Modeling
3. Public engagement
4. Financing



# Dane County Council on Climate Change

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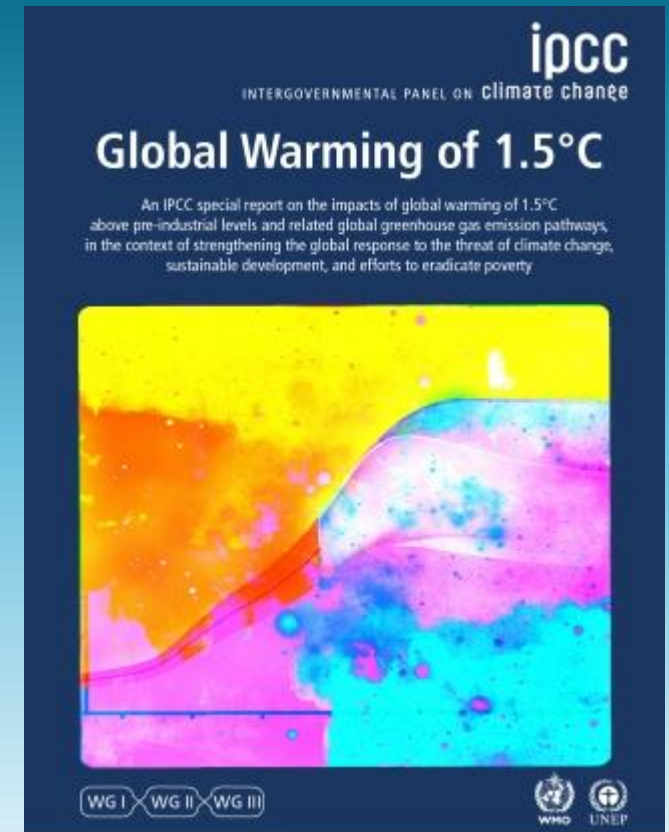
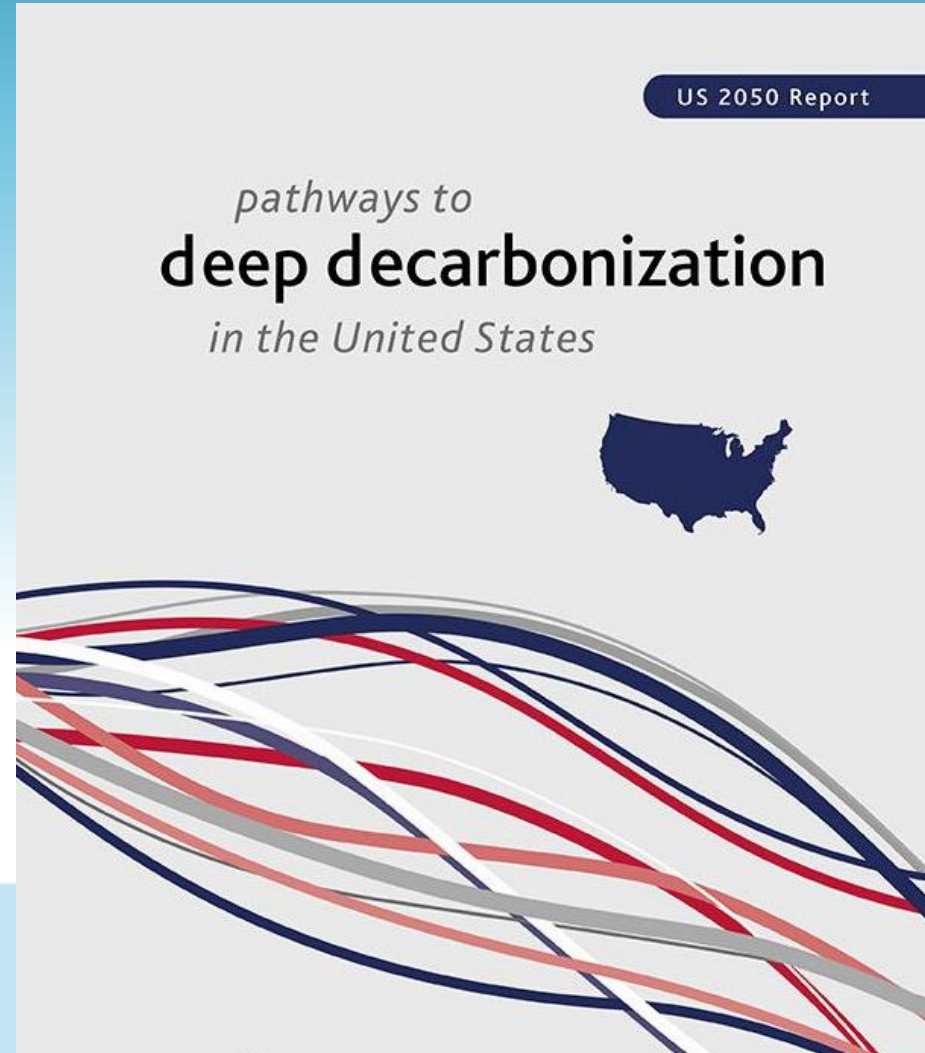


# Guiding Principles

- Justice & Equity
- Economic Benefits
- Health Benefits
- Resiliency
- Bridging Rural – Urban Divide
- Ecosystem Benefits



# Deep Decarbonization



# Climate Action Plan Policies & Programs

- County energy efficiency program
- New construction guidelines for commercial
- 1,200 MW of solar capacity
- Bio-CNG (RNG) & bio-digesters
- Electricity storage
- Regenerative Ag
- R&





# Solar Farms



- Clean power
- Water quality
- Water retention
- Soil quality/sequestration
- Farmland (soil) preservation
- Family farm preservation

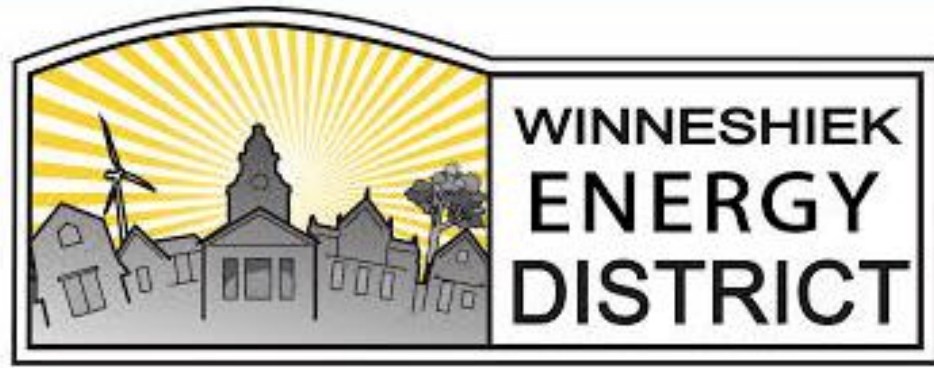




# Building Guidelines: Net Zero Energy Buildings



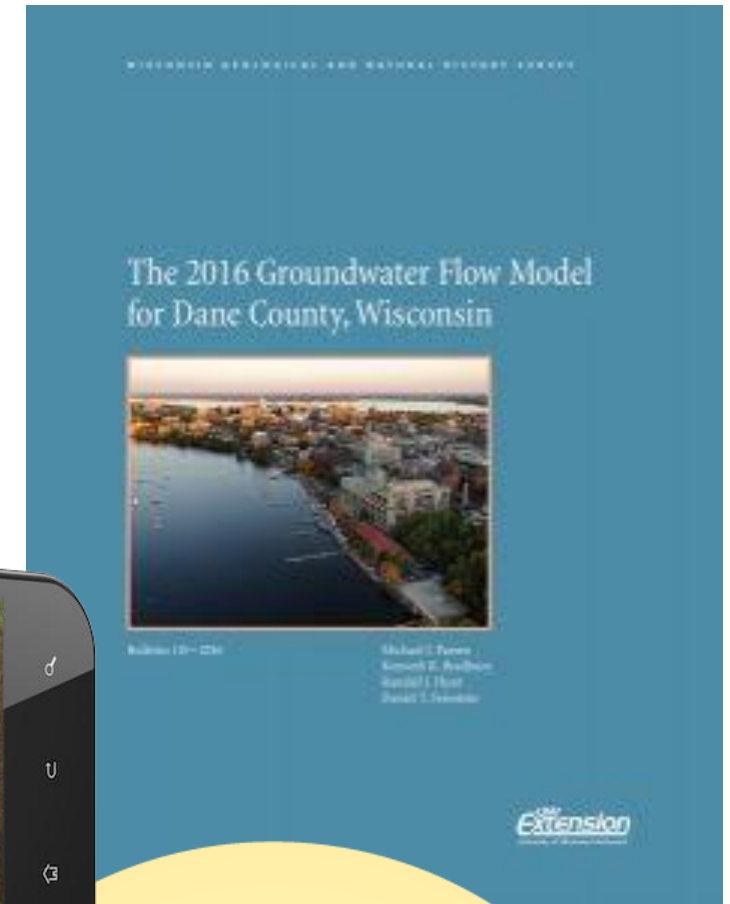
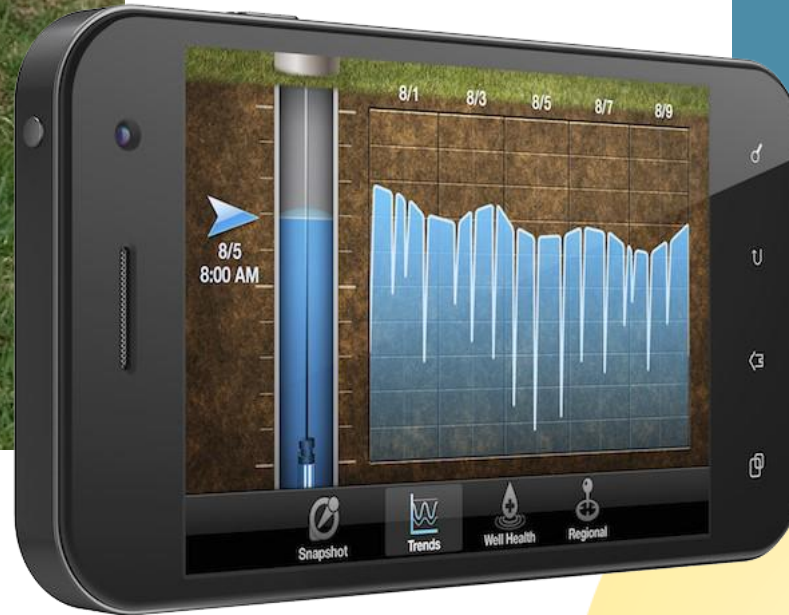
# Dane County Clean Energy Districts



- Renewable resources
- Energy efficiency
- Clean mobility
- Energy storage
- Equity/justice
- Resiliency & critical infrastructure
- R&D



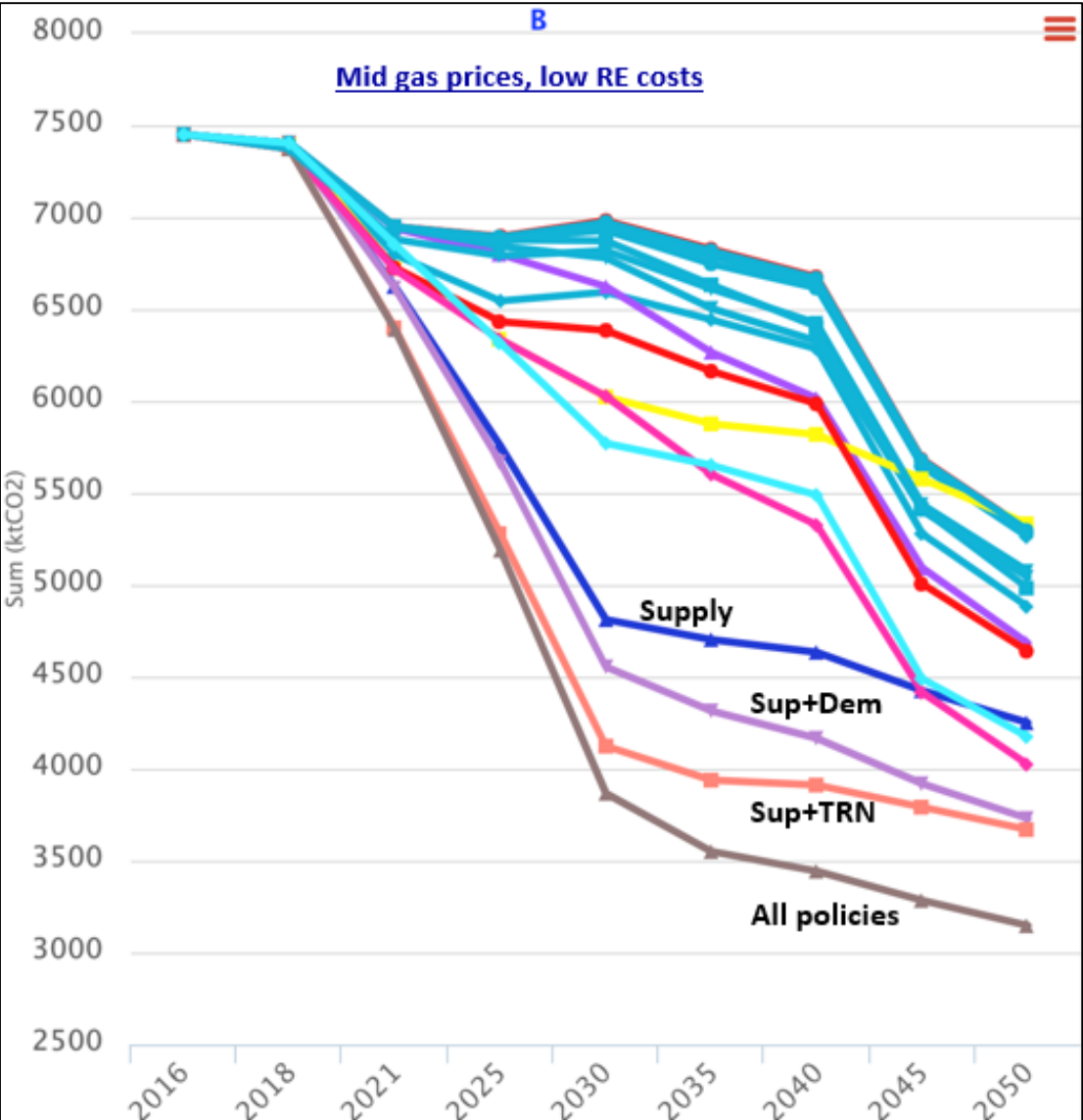
# Groundwater Research: Modeling and Technology





# Combining the policies leads to deep emissions reductions

Energy-related GHG Emissions (Thousand metric tons CO2-equivalent)



**Supply:** Wind + Solar  
**Demand:** EE + Bldgs + HP  
**Transport:** VMT + EVs + Biogas



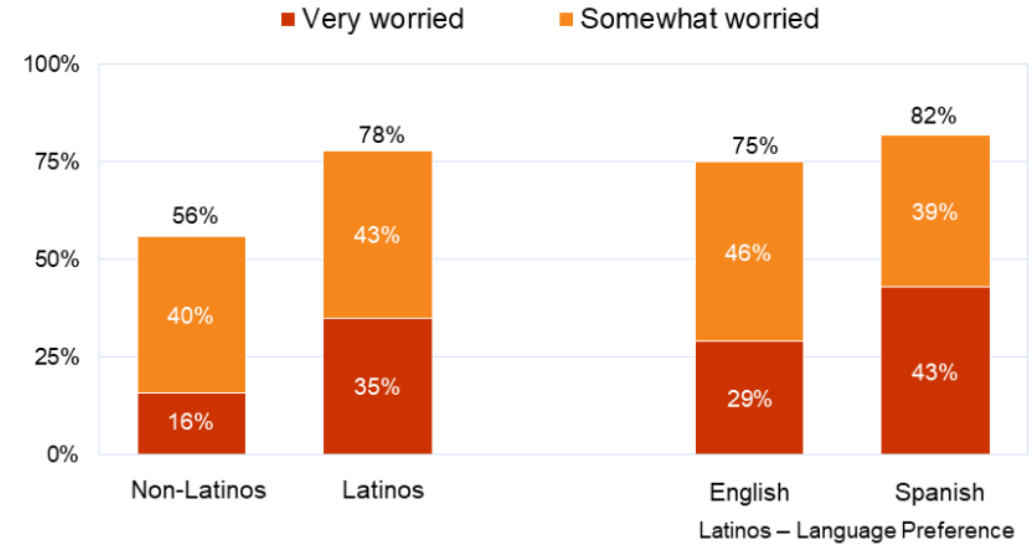


# Next Steps:

- Figure out program design details
- Comprehensive community outreach
- Solicit ideas, information, stories and needs
- Develop partnerships and collaborative
- Continue implementation of on-going efforts

## Three in Four Latinos Are Worried About Global Warming; One in Three Are “Very Worried”

- Eight in ten Spanish-language Latinos are worried about global warming -



How worried are you about global warming?

May/June 2017. Base: Non-Latinos 18+ (n=1,140); Latinos 18+ (n=2,054), English (n=1,256), Spanish (n=798)

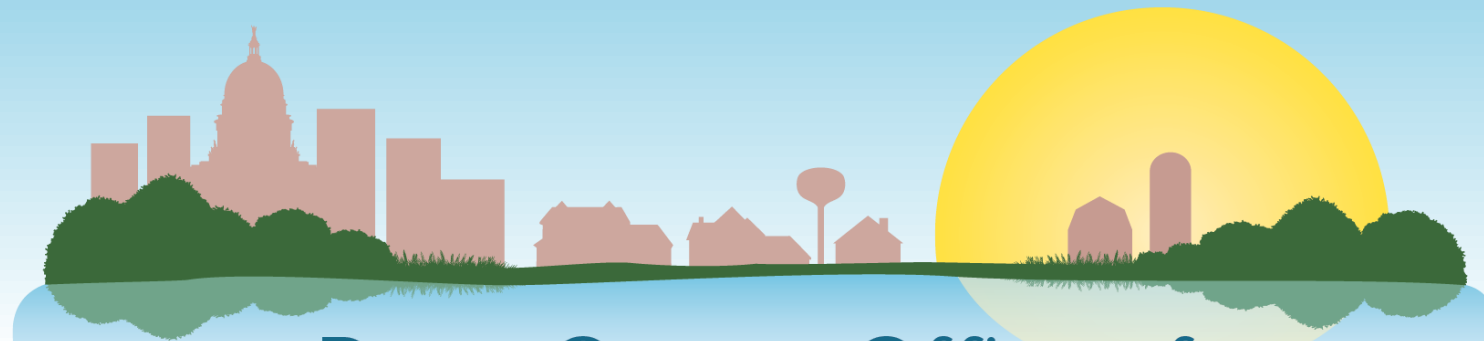


Questions? Comments? Suggestions?

608.283.1476

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