

Today's Opportunity for A Better Tomorrow

Dane County Climate Action Plan Webinar

April 24th, 2020



Keith Reopelle, Director



August 20th, 2018,
15+ inches in 24
hours



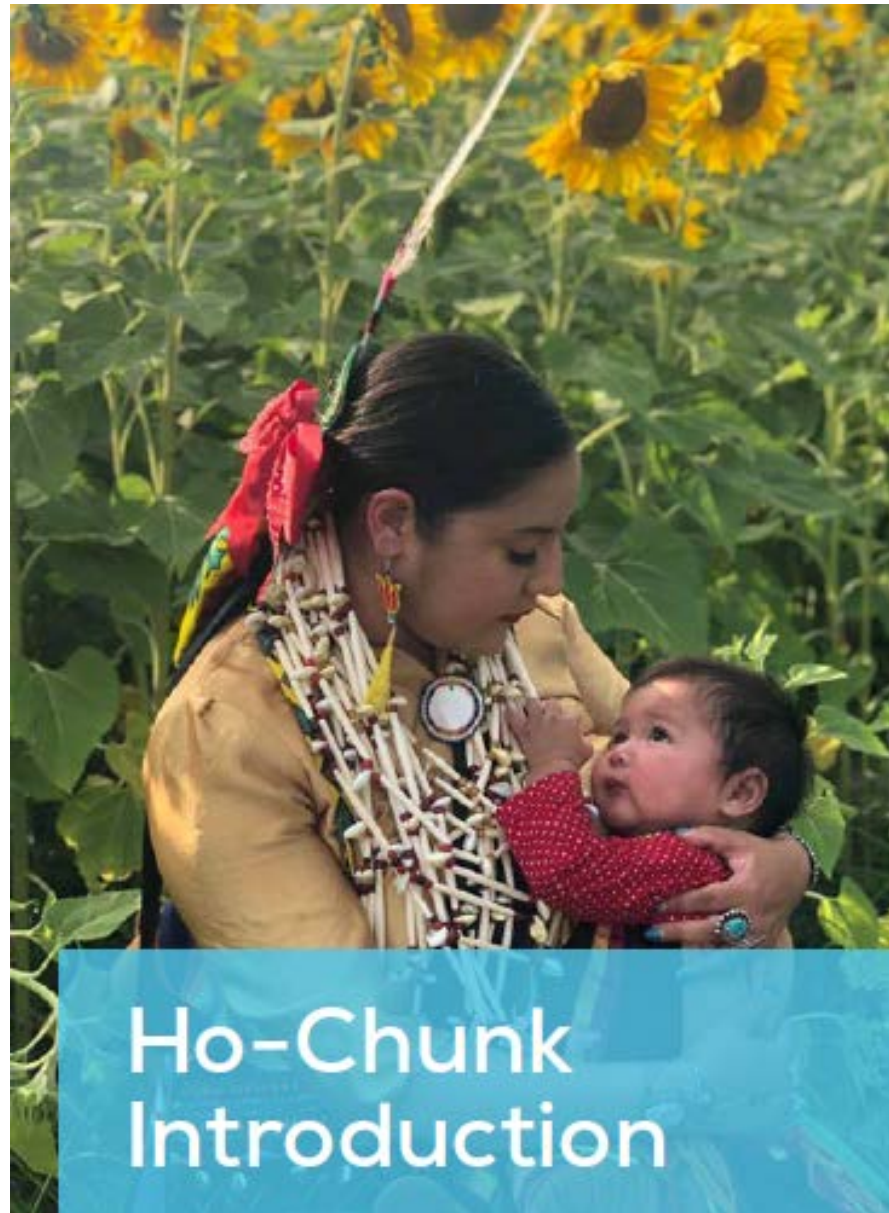
Dane County Climate Action Plan

2020 Dane County Climate Action Plan

**TODAY'S OPPORTUNITY FOR A
BETTER TOMORROW**



Equity Up Front

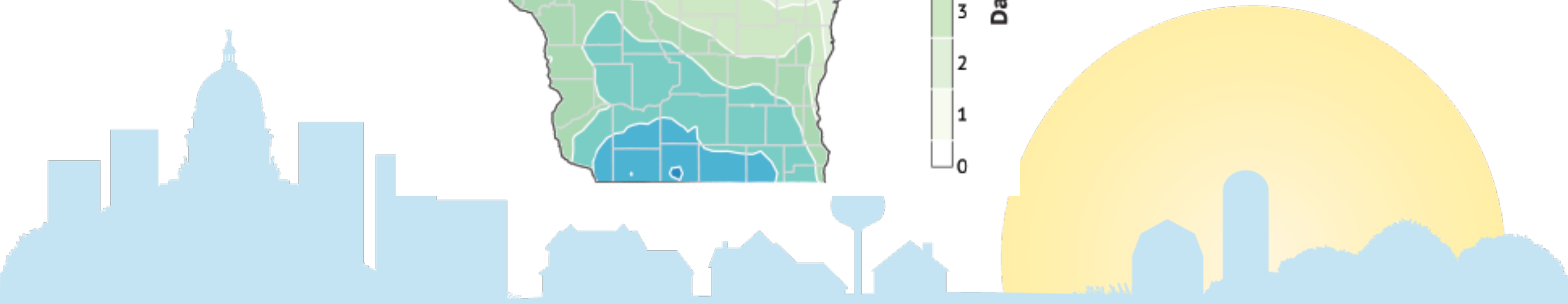
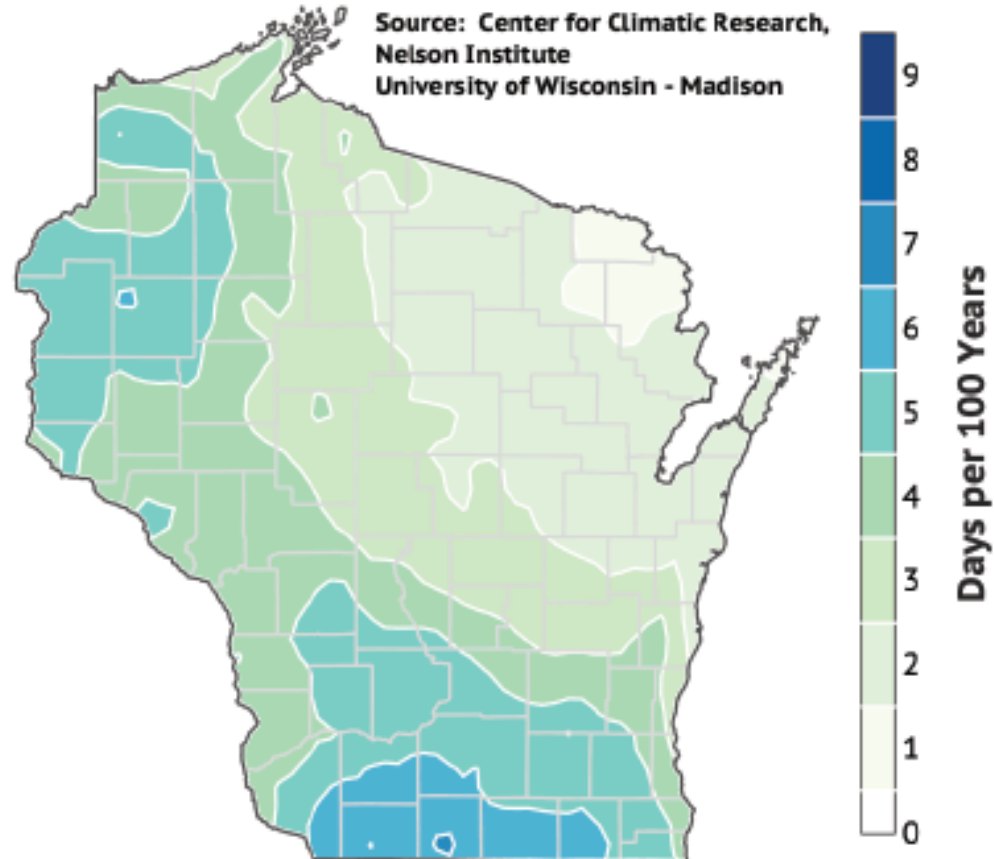


Ho-Chunk
Introduction



Latest Climate Science

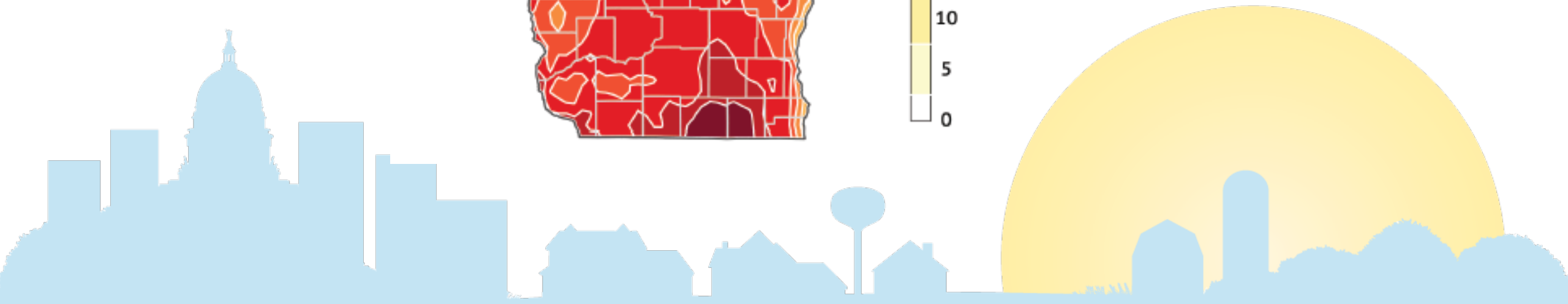
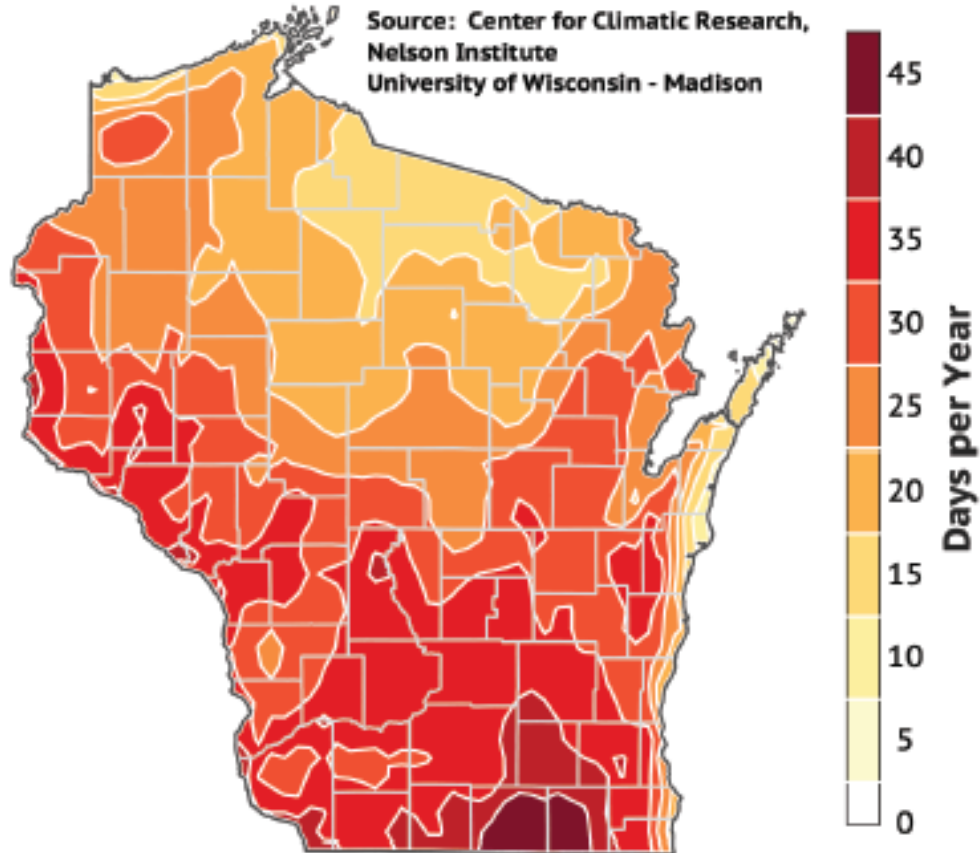
**Days per 100 Years with PRCPDays > 5 in
2041-2060 Conditions (RCP85)**



Latest Climate Science

**Days per Year with TMAX > 90°F
2041-2060 Conditions (RCP85)**

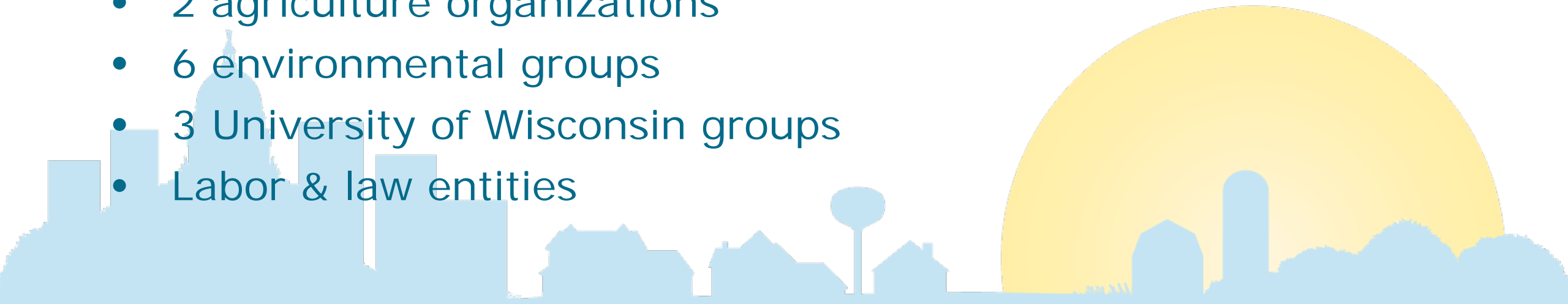
Source: Center for Climatic Research,
Nelson Institute
University of Wisconsin - Madison



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

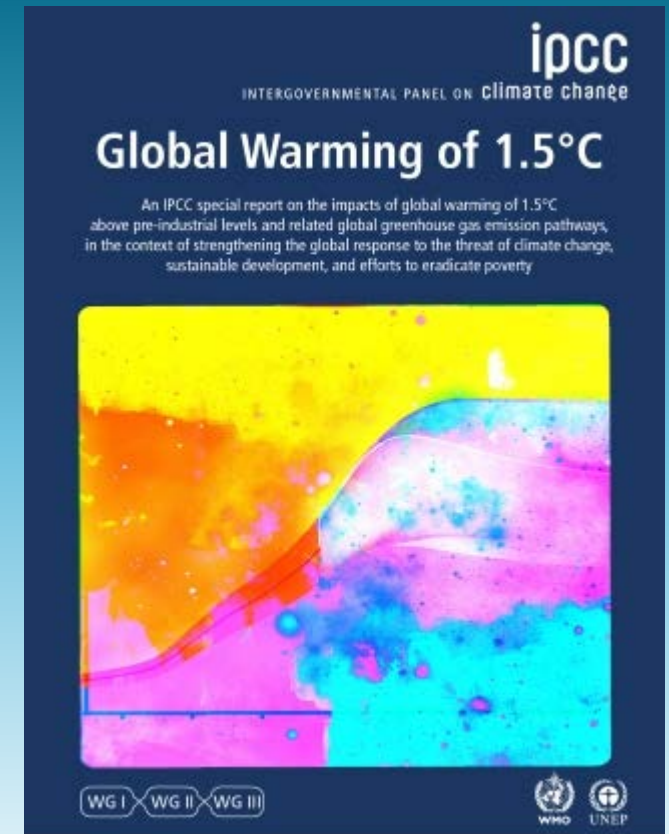
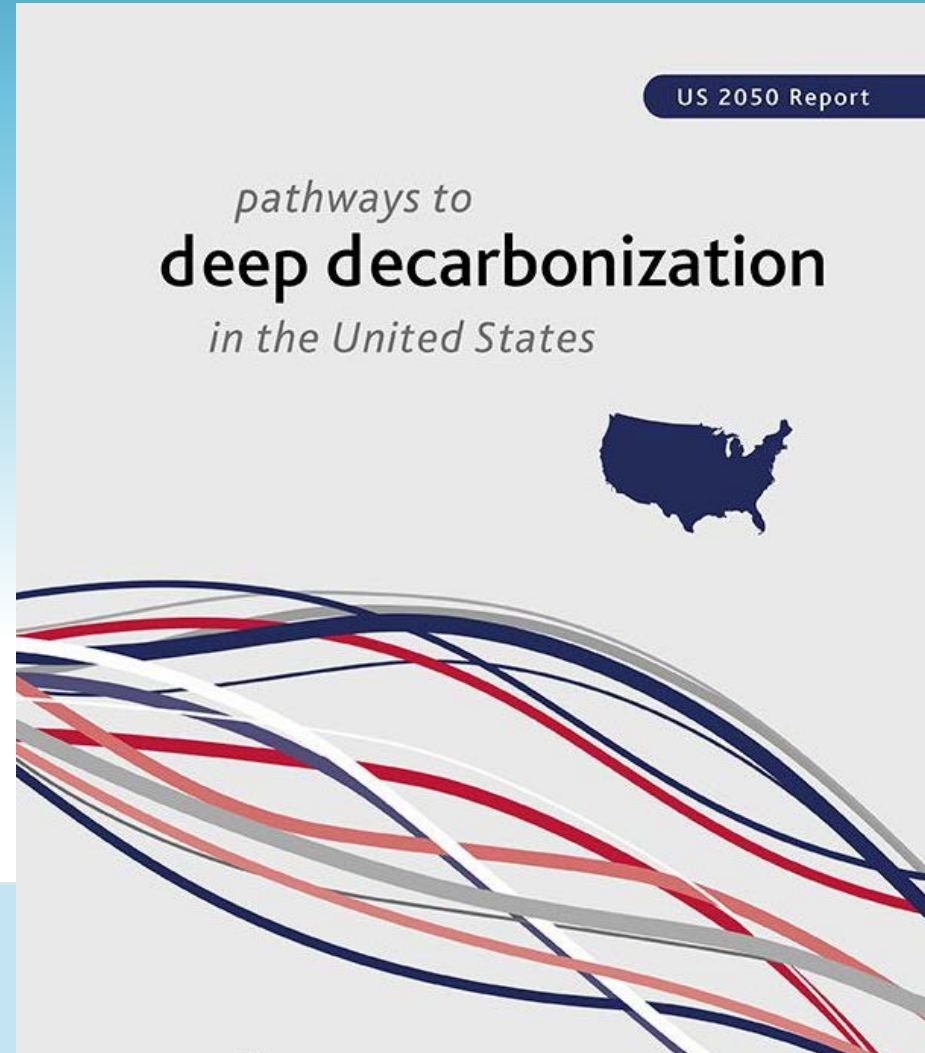


Guiding Principles

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

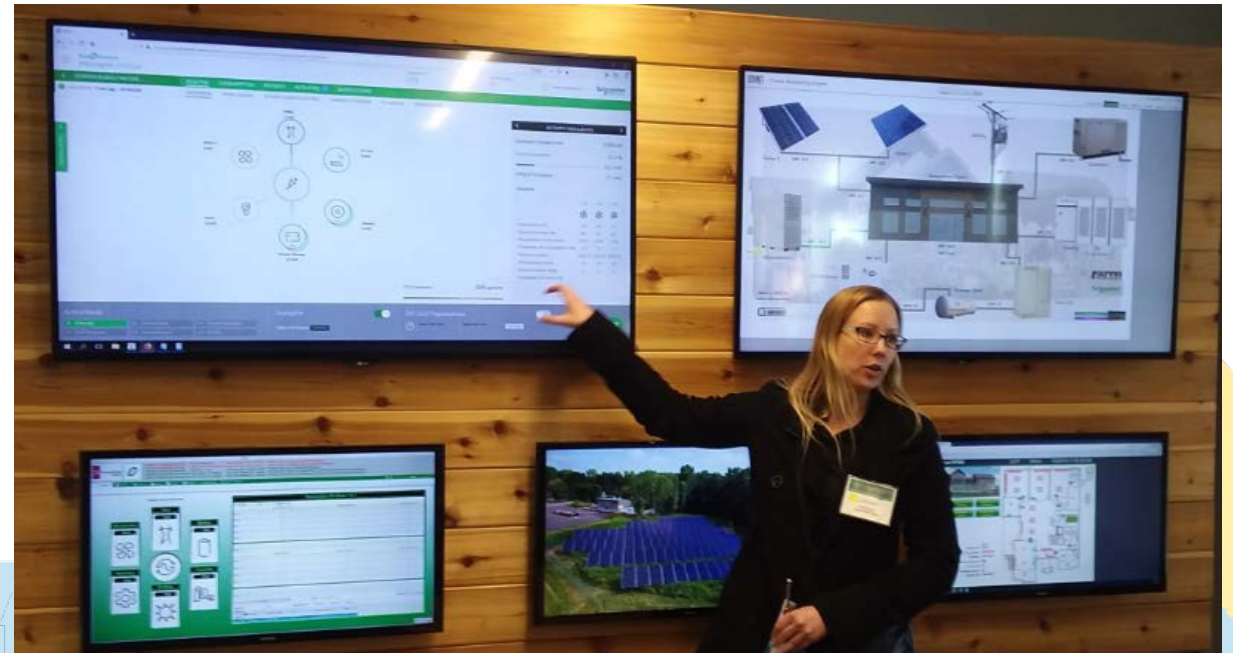


Deep Decarbonization



Climate Action Plan Policies & Programs

- County energy efficiency program
- New construction guidelines for commercial
- 1,200 MW of solar capacity
- EVs and VMTs
- Electricity storage
- Regenerative Ag



Solar Farms



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



Continuous Cover Crop Program



- 60 applicants last year
- 1,200 acres
- Prescribed grazing
- Native prairie
- Pollinator habitat





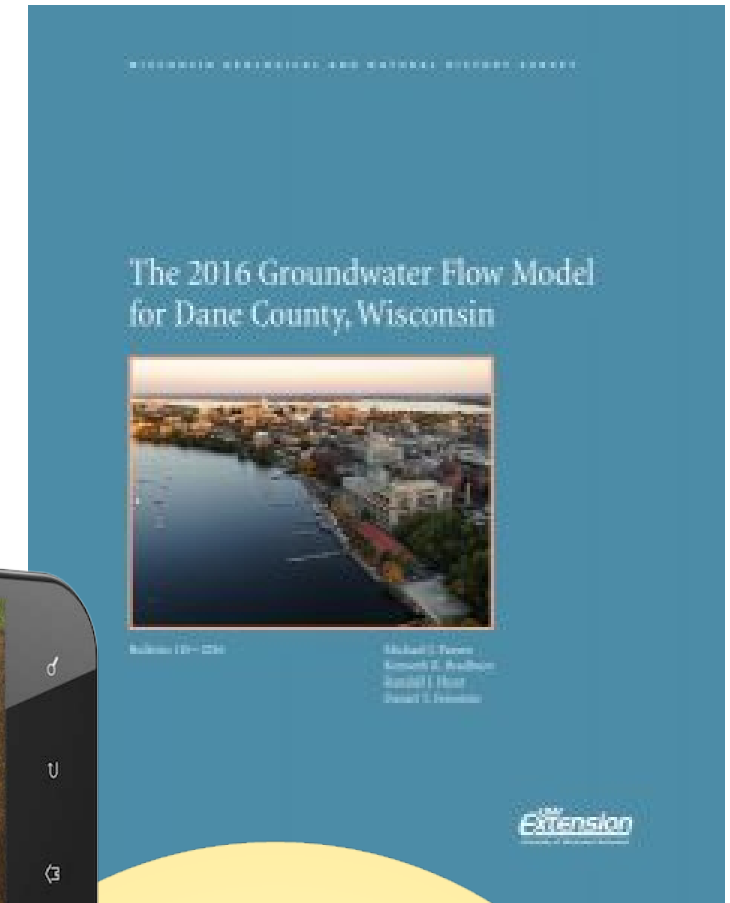
Building Guidelines:

Net Zero Energy Buildings

Net Zero Carbon Buildings



Dane County R&D Fund Groundwater Research

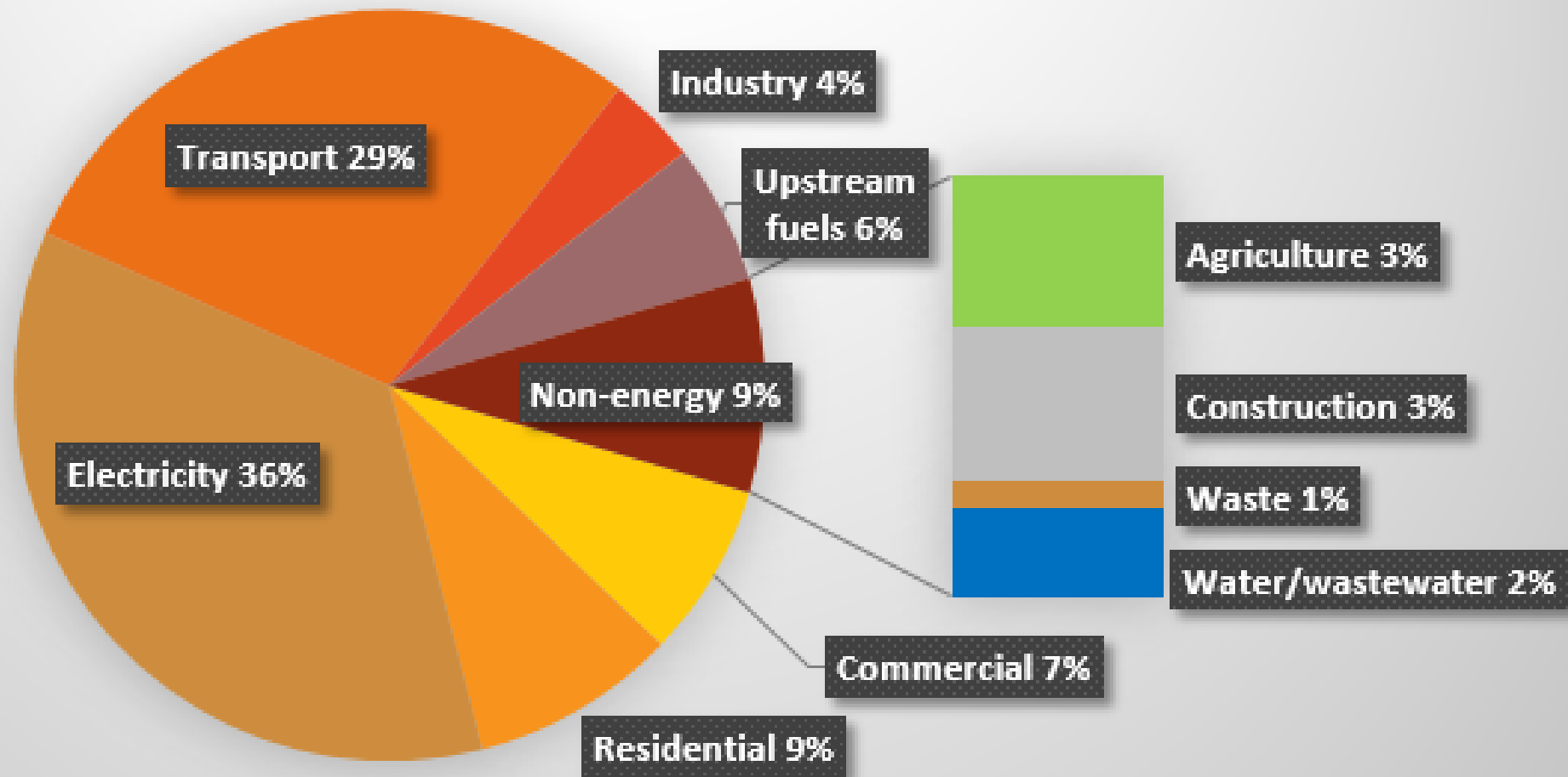


Raising Climate Awareness Through Art



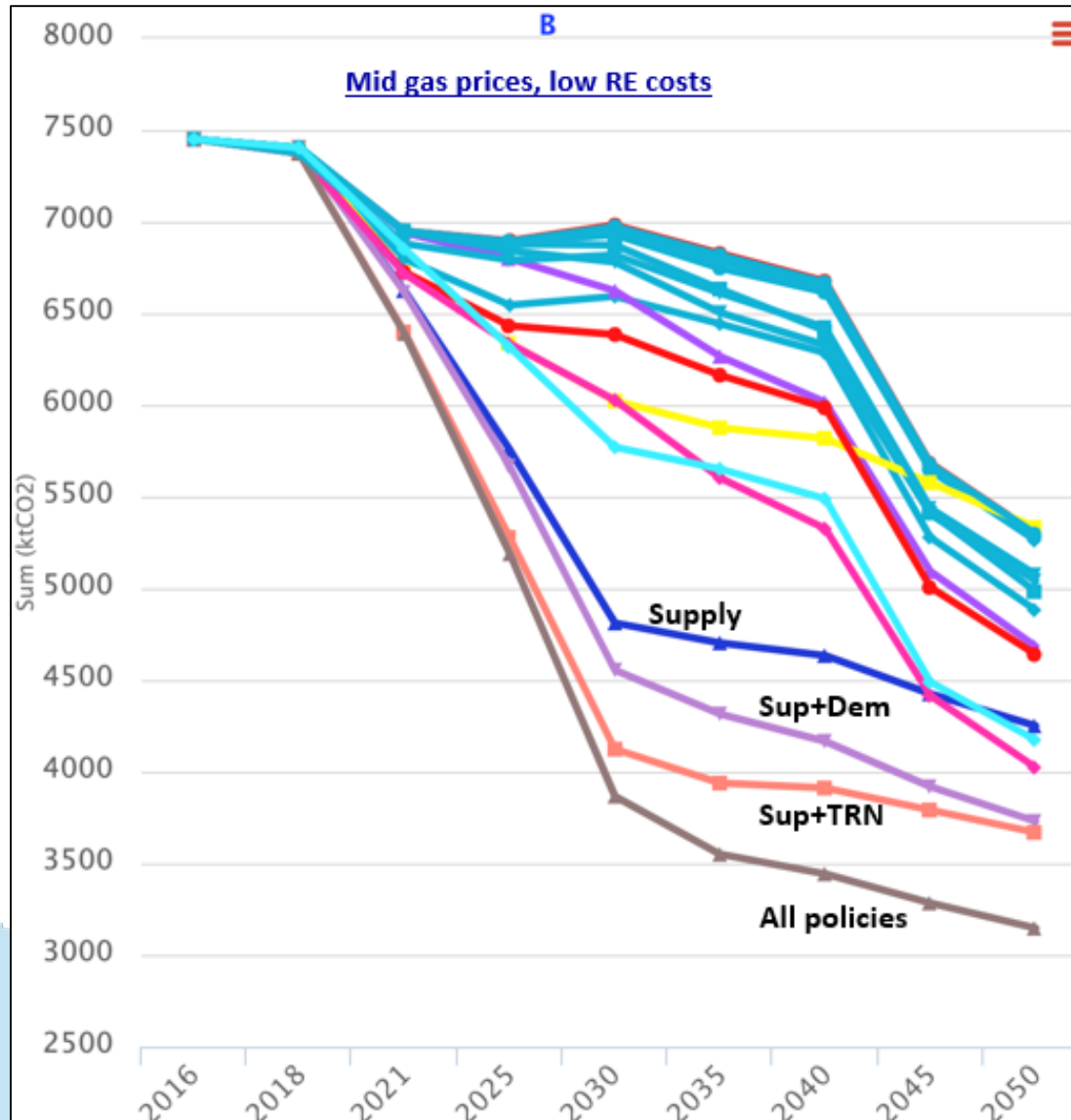
- County-Wide Emissions (2017) – 7.5MMtons

Base Year Dane County Emissions (CO2-equiv)



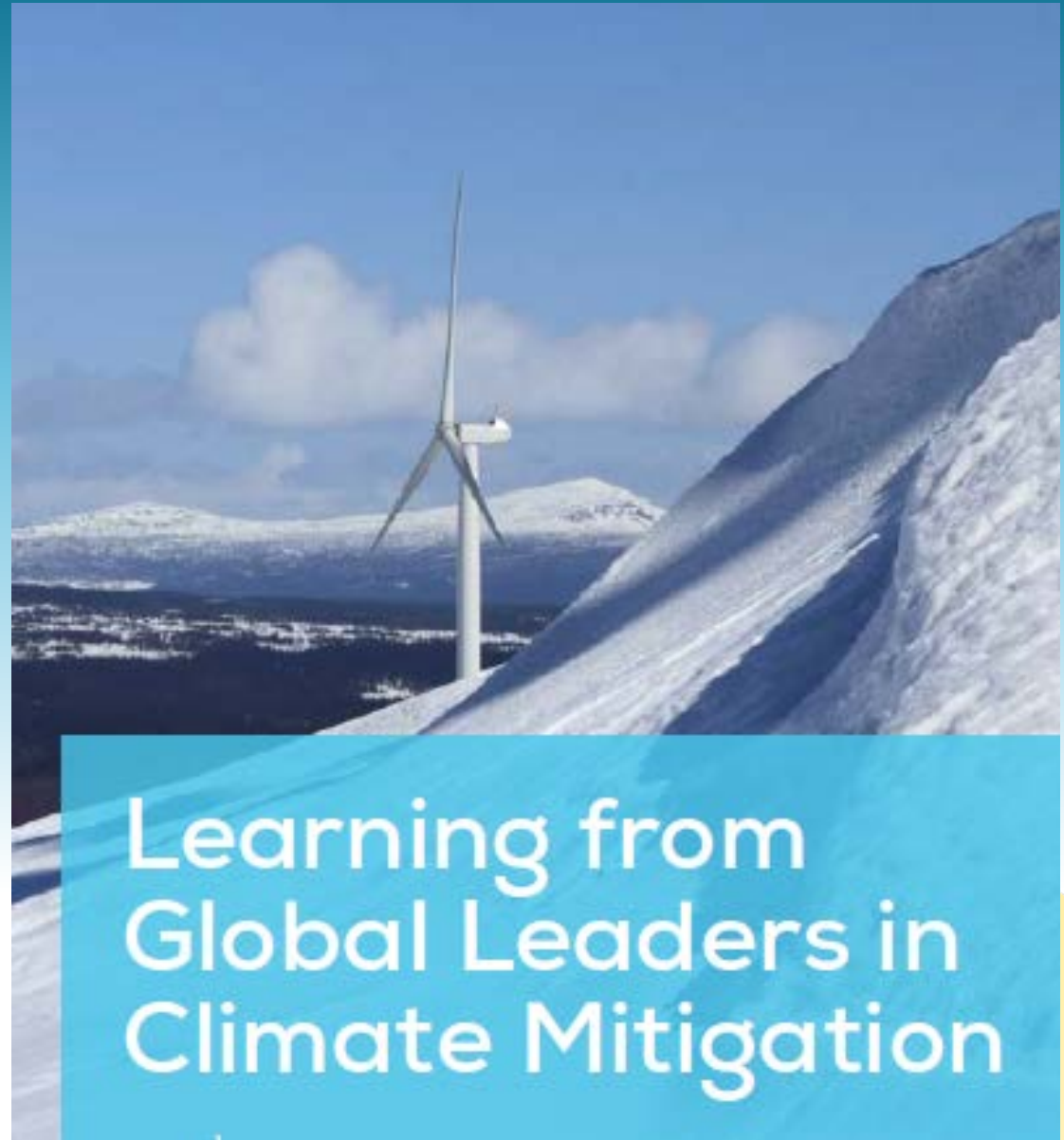
Combining the policies leads to deep emissions reductions

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

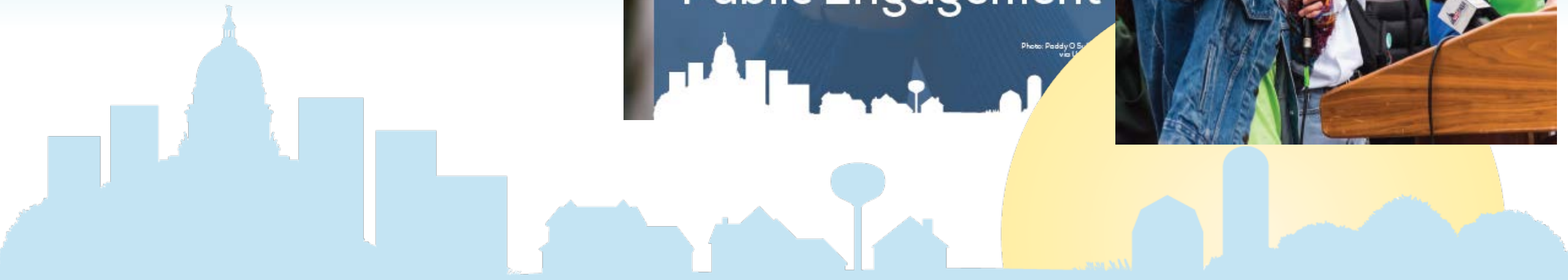


Supply: Wind + Solar
Demand: EE + Bldgs + HP
Transport: VMT + EVs + Biogas

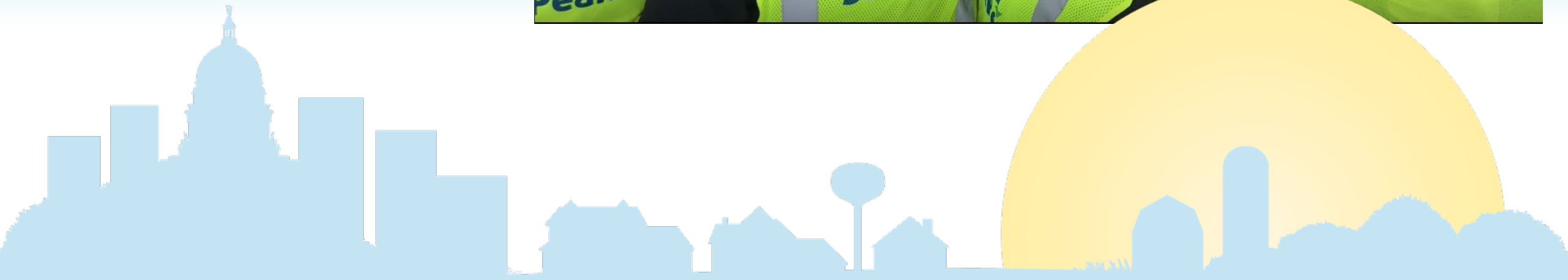
Global Perspective



Public Engagement is Key



Climate Champion Stories

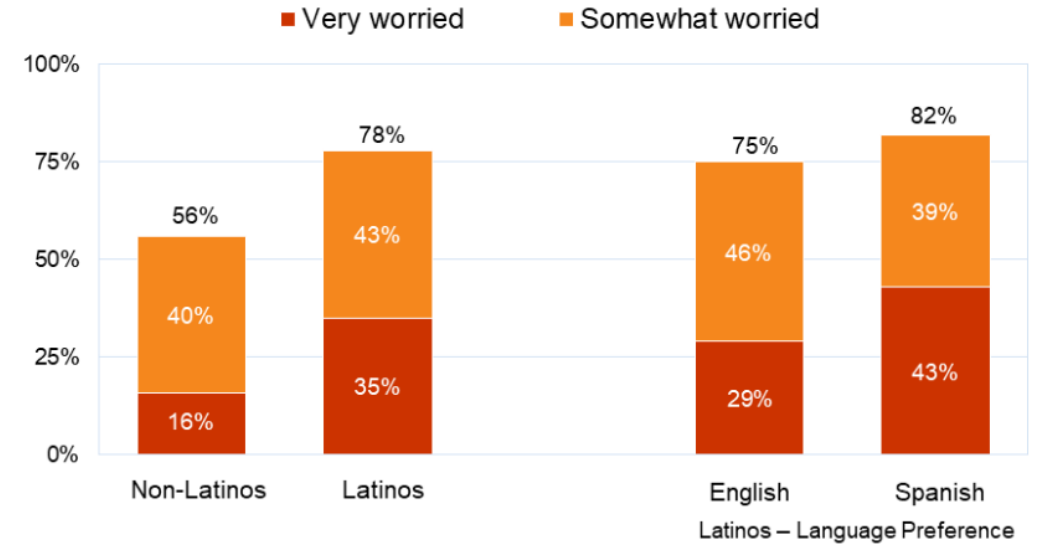


Next Steps:

- Comprehensive community outreach
- Listen!!
- Solicit ideas, information, stories and needs
- Develop partnerships and collaborative
- Flesh out program design details
- Visit daneclimateaction.org and join us

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?

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Daneclimateaction.org

