

# References

## Climate Change in Wisconsin

p.27 ... U.S. Global Change Research Program (USGCRP). (2017). Climate Science Special Report: Fourth National Climate Assessment Volume I. 470. doi:10.7930/JOJ964J6

p.27 ... Wisconsin Initiative on Climate Change Impacts (WICCI). (2011). Wisconsin's Changing Climate: Impacts and Adaptation. *Nelson Institute for Environmental Studies at the University of Wisconsin-Madison & Wisconsin Department of Natural Resources*, 217. [https://www.wicci.wisc.edu/report/2011\\_WICCI-Report.pdf](https://www.wicci.wisc.edu/report/2011_WICCI-Report.pdf)

p.29 ... Notaro et al. (2015). Dynamically Downscaled Projections of Lake-Effect Snow in the Great Lakes Basin. *Journal of Climate*, 28(4), 1661-1684. <http://www.jstor.org/stable/26194423>

p.30 ... Sharma et al. (2019). Widespread Loss of Lake Ice around the Northern Hemisphere in a Warming World. *Nature Climate Change*, 9, 227-231. doi:10.1038/s41558-018-0393-5

p.32 ... Notaro, M. and Lorenz, D. (2014). Twenty-First-Century Projections of Snowfall and Winter Severity across Central-Eastern North America. *Journal of Climate*, 27(17) doi:10.1175/JCLI-D-13-00520

p.32 ... Notaro et al. (2010). 21st century Wisconsin snow projections based on an operational snow model driven by statistically downscaled climate data. *Int. J. Climatol.*, 31, (11). doi:10.1002/joc.2179.

p.32 ... Notaro et al. (2012). Vegetation and Land Carbon Projections for Wisconsin, USA, in the 21st Century. *Climate Research*, 54, 149-165. doi:10.3354/cr01105

## Guiding Principles

### Equity and Justice

p.35 ... Wisconsin Council on Children & Families. (2013). Race to Equity A Baseline Report on the State of Racial Disparities in Dane County. <https://racetoequity.net/baseline-report-state-racial-disparities-dane-county/>

p.36 ... Wisconsin Council on Children & Families. (2016). Race to Equity: A Roadmap to Equity A Two Generation Approach to Reducing Racial Disparities in Dane County. <https://racetoequity.net/801-2/>

p.36 ... Wilkinson et al. (2010). *The Spirit Level: Why Greater Equality Makes Societies Stronger*. New York, NY: Bloomsbury Press.

p.37 ... Yale Program on Climate Change Communication. (2016) Engaging Latinos in the U.S. on Climate Change. <https://climatecommunication.yale.edu/about/projects/engaging-american-latinos-climate-change/>.

p.40 ... Equitable & Just National Climate Platform. (2019). A Vision for an Equitable and Just Climate Future. <https://ajustclimate.org/#platform>

p.41 ... National Association for the Advancement of Colored People. (2019). Our Communities, Our Power: Advancing Resistance and Resilience in Climate Change Adaptation – Action Toolkit. <https://www.naacp.org/latest/naacp-releases-toolkit-launches-compton-pilot-project/>

## Economic Benefits

p.42 ... The Cadmus Group LLC. (2018). Focus on Energy Economic Impacts 2015–2016. 6. <https://www.focusonenergy.com/sites/default/files/WI%20FOE%202015%20to%202016%20Econ%20Impact%20Report-%20Summary-%20Final.pdfss>

p.43 ... Stern, Nicholas. (2006). Stern Review on the Economics of Climate Change.

p.43 ... The Economist Intelligence Unit. (2015). The Cost of Inaction: Recognising the Value at Risk from Climate Change. 63. [https://eiuperspectives.economist.com/sites/default/files/The%20cost%20of%20inaction\\_0.pdf](https://eiuperspectives.economist.com/sites/default/files/The%20cost%20of%20inaction_0.pdf)

p.44 ... Citi Global Perspectives & Solutions (GPS). (2015). Energy Darwinism II: Why a Low Carbon Future Doesn't Have to Cost the Earth. 132. <https://cusdi.org/wp-content/uploads/2016/02/ENERGY-DARWINISM-II-Why-a-Low-Carbon-Future-Doesn%E2%80%99t-Have-to-Cost-the-Earth.-Citi-GPSI.pdf>

## Health Benefits

p.46 ... Public Health Madison & Dane County. (2019). Climate and Health Report. 21. [https://www.publichealthmdc.com/documents/Climate\\_and\\_Health\\_Report\\_2019.pdf](https://www.publichealthmdc.com/documents/Climate_and_Health_Report_2019.pdf)

p.46 ... U.S. Global Change Research Program (USGCRP). (2018). Midwest. In Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II. 872–940. doi: 10.7930/NCA4.2018.CH21

p.48 ... U.S. Global Change Research Program (USGCRP). (2018). Human Health. In Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II. 539–603. doi: 10.7930/NCA4.2018.CH14

p.48 ... Levy, B. and Patz, J. (2015). Climate Change, Human Rights, and Social Justice. *Annals of Global Health*, 81(3), 310–322. <https://www.sciencedirect.com/science/article/pii/S2214999615012242>

p.48 ... U.S. Environmental Protection Agency. (2015) Fact Sheet, The Clean Power Plan By the Numbers, Cutting Carbon Pollution from Power Plants. <https://archive.epa.gov/epa/cleanpowerplan/fact-sheet-clean-power-plan-numbers.html#print>

p.49 ... Dimanchev, et al. (2019) Health Co-Benefits of Sub-National Renewable Energy Policy in the U.S. *Environmental Research Letters*, 14(8). <https://iopscience.iop.org/article/10.1088/1748-9326/ab31d9>

p.47 ... Messina et al. (2019). The Current and Future Global Distribution and Population at Risk of Dengue. *Nature Microbiology*, 4, 1508-1515. doi: 10.1038/s41564-019-0476-

## Adaptation and Resiliency

p.50 ... Intergovernmental Panel on Climate Change (IPCC). (2001). Third Assessment Synthesis Report. <https://www.ipcc.ch/report/ar3/wg2/>

## Bridging the Urban – Rural Divide

p.52 ... United States Department of Agriculture (USDA). (2019) USDA's National Agriculture Statistics Service Wisconsin. [https://www.nass.usda.gov/Statistics\\_by\\_State/Wisconsin/Publications/Dairy/index.php](https://www.nass.usda.gov/Statistics_by_State/Wisconsin/Publications/Dairy/index.php)

p.54 ... Cramer, K. (2016). *The Politics of Resentment: Rural Consciousness in Wisconsin and The Rise of Scott Walker*. Chicago, IL: The University of Chicago Press.

## Ecosystem Benefits

p.55 ... The Intergovernmental Science - Policy Platform on Biodiversity and Ecosystem Services (IPBES). (2018). The Regional Assessment Report on Biodiversity and Ecosystem Services for the Americas. 656. [https://www.ipbes.net/system/tdf/2018\\_americas\\_full\\_report\\_book\\_v5\\_pages\\_0.pdf?file=1&type=node&id=29404](https://www.ipbes.net/system/tdf/2018_americas_full_report_book_v5_pages_0.pdf?file=1&type=node&id=29404)

## Goals & Modeling

p.59 ... Intergovernmental Panel on Climate Change (IPCC). (2018). Global Warming of 1.5°C: Summary for Policymakers. 3-26, [https://report.ipcc.ch/sr15/pdf/sr15\\_spm\\_final.pdf](https://report.ipcc.ch/sr15/pdf/sr15_spm_final.pdf)

p.59 ... Williams et al. (2015) Pathways to Deep Decarbonization in the United States. Energy and Environmental Economics Inc. [http://deepdecarbonization.org/wp-content/uploads/2015/11/US\\_Deep\\_Decarbonization\\_Technical\\_Report\\_Exec\\_Summary.pdf](http://deepdecarbonization.org/wp-content/uploads/2015/11/US_Deep_Decarbonization_Technical_Report_Exec_Summary.pdf)

p.62 ... United States Department of Agriculture National Agricultural Statistics Services (USDA NASS). (2017). 2017 Wisconsin Agricultural Statistics. 64. [https://www.nass.usda.gov/Statistics\\_by\\_State/Wisconsin/Publications/Annual\\_Statistical\\_Bulletin/2017AgStats\\_web.pdf](https://www.nass.usda.gov/Statistics_by_State/Wisconsin/Publications/Annual_Statistical_Bulletin/2017AgStats_web.pdf)

p.71 ... United States Department of Agriculture. (2019). Dairy Coordinated Agricultural Project FINAL REPORT. 108. <https://uwmadison.app.box.com/s/q7pqa9zi2zsh8tg2e5iz4tlhu2zfh6te>

- p.72 ... Aguirre-Villegas et al. (2017). Evaluating Greenhouse Gas Emissions from Dairy Manure Management Practices Using Survey Data and Lifecycle Tools. *Journal of Cleaner Production*, 143, 169-179. <https://doi.org/10.1016/j.jclepro.2016.12.133>
- p.72 ... Aguirre-Villegas et al. (2017). Grazing Intensity Affects the Environmental Impact of Dairy Systems. *Journal of Dairy Science*, 100(8), 6804-6821. doi: 10.3168/jds.2016-12325
- p.72 ... Aguirre-Villegas et al. (2017). Enteric Methane Emissions from Dairy Cows: Accounting Techniques. *Sustainable Dairy*, 6. <https://cdn.shopify.com/s/files/1/0145/8808/4272/files/A4131-07.pdf>
- p.72 ... Aguirre-Villegas et al. (2016). Methane Emissions from Dairy Cattle. *Sustainable Dairy*, 5. [http://www.sustainabledairy.org/publications/Documents/DairyCap\\_Methane\\_FactSheet\\_Final.pdf](http://www.sustainabledairy.org/publications/Documents/DairyCap_Methane_FactSheet_Final.pdf)
- p.72 ... Aguirre-Villegas et al. (2017). Greenhouse Gas and Ammonia Emissions from Dairy Manure Management Systems. *Sustainable Dairy*, 6. [http://www.sustainabledairy.org/Documents/DairyCap\\_GreenhouseGas\\_FactSheet\\_Final2.pdf](http://www.sustainabledairy.org/Documents/DairyCap_GreenhouseGas_FactSheet_Final2.pdf)
- p.72... Aguirre-Villegas et al. (2017). Solid-Liquid Separation of Manure and Effects on Greenhouse Gas and Ammonia Emissions. *Sustainable Dairy*, 5. <http://www.sustainabledairy.org/publications/Documents/Solid-Liquid%20Separation%20of%20Manure%20and%20Effects%20on%20Greenhouse%20Gas%20and%20Ammonia%20Emissions%20A4131-04.pdf>
- p.72 ... Aguirre-Villegas et al. (2016). Dairy Anaerobic Digestion Systems and Their Impact on Greenhouse Gas and Ammonia Emissions. *Sustainable Dairy*, 5. [http://www.sustainabledairy.org/publications/Documents/DairyCap\\_Digestion\\_FactSheet.pdf](http://www.sustainabledairy.org/publications/Documents/DairyCap_Digestion_FactSheet.pdf)
- p.73 ... Hamilton, E. (2019). More Green, Less Greenhouse Gas: Sustainable Dairy Project Finds Ways to Lower Emissions While Increasing Profits. *Grow: Wisconsin's Magazine for the Life Sciences*, 13(1), 8-9. <https://d3mj11xvjns9fn.cloudfront.net/wp-content/uploads/sites/14/2019/10/Grow-Fall2019-web.pdf>

## Climate Actions

### Buildings

- p.89 ... Klimakvarter. (2015). Tåsinge Plads. City of Copenhagen: *The Technical and Environmental Administration*, 11. [http://klimakvarter.dk/wp-content/uploads/2015/06/T%C3%A5singeplads\\_pixi\\_2015\\_UK\\_WEB.pdf](http://klimakvarter.dk/wp-content/uploads/2015/06/T%C3%A5singeplads_pixi_2015_UK_WEB.pdf)
- p.90... Greenroofs.com. (2001). Augustenborg Botanical Roof Garden. <https://www.greenroofs.com/projects/augustenborg-botanical-roof-garden/>
- p.90 ... Ministry of City - Housing and Rural. (2013). Rainwater in the City - 9 European LAR projects (Regnvand i byen - 9 europæiske LAR projekter). 64. [https://www.livogland.dk/sites/livogland.dk/files/dokumenter/publikationer/regnvand\\_i\\_byen\\_screen.pdf](https://www.livogland.dk/sites/livogland.dk/files/dokumenter/publikationer/regnvand_i_byen_screen.pdf)

## Transportation and Land Use

p.92 ... Levy, B. and Patz, J. (2015). Climate Change, Human Rights, and Social Justice. *Annals of Global Health*, 81(3), 310–322. <https://www.sciencedirect.com/science/article/pii/S2214999615012242>

p.92 ... Union of Concerned Scientists (UCS). (January 8th, 2008). Diesel Engines and Public Health: With Mounting Evidence that Diesel Exhaust Poses Major Health Hazards, Reducing Diesel Pollution Has Become A Public Priority. <https://www.ucsusa.org/resources/diesel-engines-public-health>

p.112 ... North Carolina Clean Energy Technology Center. (2019). The 50 States of Grid Modernization: Grid Modernization Action Increases by 60% in 2018. <https://nccleantech.ncsu.edu/2019/02/07/the-50-states-of-grid-modernization-grid-modernization-action-increases-by-60-in-2018/>

p.112 ... Gridwise Alliance. (2018) 2018 Grid Modernization Index (GMI-2018) Final Report. <https://gridwise.org/grid-modernization-index-2018/>

## Water Energy Nexus

p.122 ... Alliance for Water Efficiency. (2015). Water Offset Policies for Water-Neutral Community Growth. <https://www.allianceforwaterefficiency.org/sites/www.allianceforwaterefficiency.org/files/assets/Water-Offset-Policies-for-WaterNeutral-Community-Growth150126.pdf>

## Waste Materials and the Circular Economy

p.123 ... United States Environmental Protection Agency (EPA). (2019). Basic Information about Landfill Gas. *Landfill Methane Outreach Program*, <https://www.epa.gov/lmop/basic-information-about-landfill-gas>

p.125 ... Paul Hawken. (2017). *Drawdown: The Most Comprehensive Plan Ever Proposed to Reverse Global Warming*. NY, NY: Penguin Books

p.126 ... International Synergies. (2019). National Industrial Symbiosis Programme. <https://www.international-synergies.com/projects/national-industrial-symbiosis-programme/>

p.129 ... O'Carroll et al. (2017) The Nature and Role of Industrial Symbiosis in South Africa. TIPS Forum 2017 Industrialization and Sustainable Growth. [https://www.researchgate.net/publication/319504306\\_The\\_Nature\\_and\\_Role\\_of\\_Industrial\\_Symbiosis\\_in\\_South\\_Africa](https://www.researchgate.net/publication/319504306_The_Nature_and_Role_of_Industrial_Symbiosis_in_South_Africa)

## Cross-sector Solutions

p.138 ... Parsen et al. (2016). The 2016 Groundwater Flow Model for Dane County, Wisconsin. *Wisconsin Geological and Natural History Survey (WGNHS), Bulletin #110*, 56. <https://pubs.er.usgs.gov/publication/70178358>

p.145 ... Lescaze, Z. (2018). 12 Artists on: Climate Change. *The New York Times Style Magazine*. <https://www.nytimes.com/2018/08/22/t-magazine/climate-change-art.html>

## Learning from Global Leaders in Climate Mitigation

p.148 ... Nordic Council of Ministers. (2014). Nordic Action on Climate Change. *Nordic Co-operation*, 28. <http://norden.diva-portal.org/smash/get/diva2:768493/FULLTEXT01.pdf>

p.148 ... Janssens-Maenhout et al. (2017). JRC Science For Policy Report: Fossil CO2 Emissions and GHG Emissions of All World Countries. *JRC Science Hub*, 239. [https://edgar.jrc.ec.europa.eu/booklet2017/CO2\\_and\\_GHG\\_emissions\\_of\\_all\\_world\\_countries\\_booklet\\_online.pdf](https://edgar.jrc.ec.europa.eu/booklet2017/CO2_and_GHG_emissions_of_all_world_countries_booklet_online.pdf)

p.148 ... Gullers Grupp. (2018). The Public's Views on Climate 2018: A Quantitative Survey of the Swedish Public's Views on Climate Solutions. 33. <http://www.swedishepa.se/upload/miljoarbete-i-samhallet/miljoarbete-i-sverige/klimat/attitydundersokning/Public-views-on-climate-2018.pdf>

p.148 ... International Energy Agency (IEA). (2016). Data and Statistics. [https://www.iea.org/data-and-statistics?country=WORLD&fuel=Energy%20supply&indicator=Total%20primary%20energy%20supply%20\(TPES\)%20by%20source](https://www.iea.org/data-and-statistics?country=WORLD&fuel=Energy%20supply&indicator=Total%20primary%20energy%20supply%20(TPES)%20by%20source)

## Public Engagement

p.153 ... Leiserowitz, et al. (2015). Global Warming's Six Americas. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication. <https://climatecommunication.yale.edu/visualizations-data/six-americas/>

p.153 ... Goldberg, et al. (2020). For the First Time, the Alarmed are Now the Largest of Global Warming's Six Americas. Yale University and George Mason University. New Haven, CT: Yale Program on Climate Change Communication. <https://climatecommunication.yale.edu/publications/for-the-first-time-the-alarmed-are-now-the-largest-of-global-warmings-six-americas/>

## Appendix 3

p.167 ... Vose et al. (2014). Improved Historical Temperature and Precipitation Time Series for U.S. Climate Divisions. *Journal of Applied Meteorology and Climatology*, 53, 1232–1251. doi:10.1175/JAMC-D-13-0248.1

p.167 ... Kirchmeier et al. (2014). Statistical Downscaling of Daily Wind Speed Variations. *Journal of Applied Meteorology and Climatology*, 53, 660-675. doi:10.1175/JAMC-D-13-0230.1

p.167 ... Notaro et al. (2010). 21st century Wisconsin snow projections based on an operational snow model driven by statistically downscaled climate data. *Int. J. Climatol.*, 31, (11). doi:10.1002/joc.2179.

p.167 ... Kirchmeier-Young et al. (2016). Extreme Event Verification for Probabilistic Downscaling. *Journal of Applied Meteorology and Climatology*, 55, 2411-2430. doi:10.1175/JAMC-D-16-0043.1

p.167 ... Intergovernmental Panel on Climate Change (IPCC). (2013). Climate Change 2013 - The Physical Science Basis: Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. *Cambridge University Press*, 1535. doi:10.1017/CBO9781107415324



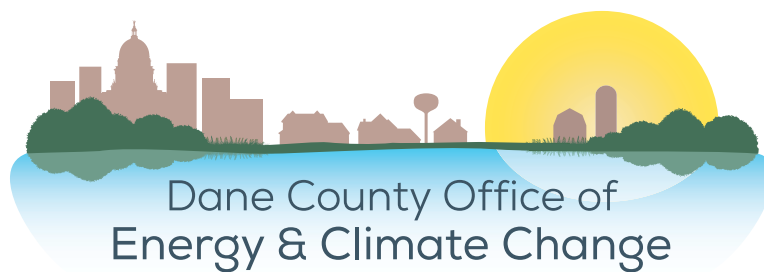




"What we do know is that our human activities have played the defining role in the global burning and climate change we are currently experiencing. Our response to this knowledge will play a defining role in how much disruption to life will occur... We must ensure future generations will have good stories to tell and songs to sing about the legacy with which we left them to live."

- Daniel R. Wildcat

*Red Alert! Saving the Planet with Indigenous Knowledge*



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