# Appendix II: Participant-generated climate change actions

| Track | Total votes | CAR chart | Goal or Strategy | Action |
|-------|------------|-----------|------------------|--------|
| The Built Environment | 145 | Yes | Regulatory and agency actions at Public Service Commission of Wisconsin and Office of Energy Innovation | Focus on Energy align with Inflation Reduction Act to advance ratepayer distributed energy resources and energy efficient investments with emphasis on low-to-moderate income ratepayers. |
| | 128 | Yes | Stakeholder organizing and public engagement/education | Use public education to support customer investments in energy efficiency and incorporate social science. |
| | 80 | Yes | Reduce driving (vehicle miles traveled -VMT) by increasing trips via walking, biking, and public transit | Address two regional transportation and transit networks to address safety concerns. |
| | 71 | Yes | Increase stock and access of carbon neutral affordable homes | Repurpose existing buildings. |
| | 67 | Yes | Stakeholder organizing and public engagement/education | Utilize a comprehensive stakeholder plan to leverage state and federal programs to increase energy efficiency. |
| | 65 | Yes | Increase stock and access of carbon neutral affordable homes | Educate landlords about federal funding to improve energy efficiency. |
| | 62 | Yes | Reduce driving (vehicle miles traveled -VMT) by increasing trips via walking, biking, and public transit | Increase Department of Transportation focus on alternative transportation options. |
| | 61 | Yes | Decarbonize vehicles 40% by 2030 | Increase use of dairy/wastewater biogas for renewable natural gas. |
| | 55 | No | Regulatory and agency actions at Public Service Commission of Wisconsin and Office of Energy Innovation | Advance/sustain tariffs that leverage customer energy investments for ratepayer benefit (e.g., net energy metering, virtual net metering, utility owned programs, and demand response). |
| | 52 | No | Stakeholder organizing and public engagement/education | Gear up the trade ally network for workforce readiness. |
| | 41 | No | Build compactly and place the range of human land uses close to each other so people can easily walk, bike, use public transit or drive shorter distances, and put land uses in least vulnerable locations as possible | Adapt form-based codes, favoring density/mixed use. |
| | 37 | No | Price on carbon - tax carbon use | Rebate money to households. Education campaign on cost savings benefits. Engage with multiple stakeholders (local, state, private entities). Establish goals on federal, state, and regional levels. |
| | 35 | No | Reduce driving (vehicle miles traveled -VMT) by increasing trips via walking, biking, and public transit | Reinstate complete streets. |
| | 32 | No | Build compactly and place the range of human land uses close to each other so people can easily walk, bike, use public transit or drive shorter distances, and put land uses in least vulnerable locations as possible | Ensure network of community plans work together to reduce development in vulnerable areas. |

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| The Built Environment | 16 | No | Decarbonize vehicles 40% by 2030 | Prioritize retrofits for state/local government vehicles (Electric vehicles and biogas). |
| | 15 | No | Increase stock and access of carbon neutral affordable homes | Create a pathway to home ownership for working families. |
| | 15 | No | Stakeholder organizing and public engagement/education | Conduct research and analysis on building codes. |
| | 14 | No | Decarbonize vehicles 40% by 2030 | Require multifamily buildings to build electric vehicle infrastructure. |
| | 11 | No | Regulatory and agency actions at Public Service Commission of Wisconsin and Office of Energy Innovation | Storage pilot programs to reduce peak demand and provide grid services. |
| | 4 | No | Stakeholder organizing and public engagement/education | Increase technical assistance to implement energy efficiency and distributed energy resources. |
| | 3 | No | Increase stock and access of carbon neutral affordable homes | Stack federal and state incentives to reduce the cost to the buyer (individual green tax credits). |
| | 3 | No | Stakeholder organizing and public engagement/education | Coordinate advocacy and messaging between stakeholder groups. |
| | 2 | No | Regulatory and agency actions at Public Service Commission of Wisconsin and Office of Energy Innovation | District heating microgrid study and pilot programs. |
| | 1 | No | Increase stock and access of carbon neutral affordable homes | Build 50 carbon neutral homes for moderate-to low-income families/individuals in a cooperative agriculture community. |
| | 1 | No | Increase stock and access of carbon neutral affordable homes | Incentivize modular construction technologies to reduce the need for skilled field workers. |
| | 1 | No | Price on carbon - tax carbon use | Education that puts a price on carbon that facilitates decarbonization in built and mobile sectors. |
| | 0 | No | Direct the Wisconsin Department of Transportation (WisDOT) to perform climate and environmental justice impact analysis as transportation related projects are considered and developed | Develop, initiate, and petition administrative rule. |
| | 0 | No | Increase stock and access of carbon neutral affordable homes | Consider Community Land Trusts. |
| | 0 | No | Increase stock and access of carbon neutral affordable homes | Use land banks for zero carbon buildings by municipalities (consolidating tracts for development). |
| | 0 | No | Price on carbon - tax carbon use | Carbon dividend checks will sustain political will to keep it. |
| | 0 | No | Reduce driving (vehicle miles traveled -VMT) by increasing trips via walking, biking, and public transit | Bring back regional transit authorities. |
| | 0 | No | Reduce driving (vehicle miles traveled -VMT) by increasing trips via walking, biking, and public transit | Build awareness of existing regional transportation methods (Amtrack, buses). Prove they work! |

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| The Built Environment | 0 | No | Reduce driving (vehicle miles traveled -VMT) by increasing trips via walking, biking, and public transit | Connect urban hubs. |
| | 0 | No | Reduce driving (vehicle miles traveled -VMT) by increasing trips via walking, biking, and public transit | Free bus days. |
| | 0 | No | Reduce driving (vehicle miles traveled -VMT) by increasing trips via walking, biking, and public transit | Increase awareness of electric bikes. |
| | 0 | No | Reduce driving (vehicle miles traveled -VMT) by increasing trips via walking, biking, and public transit | New neighborhoods require complete roads and sidewalks. |
| | 0 | No | Reduce driving (vehicle miles traveled -VMT) by increasing trips via walking, biking, and public transit | Parking maximums and limit parking availability. |
| | 0 | No | Reduce driving (vehicle miles traveled -VMT) by increasing trips via walking, biking, and public transit | Promote financial savings for not driving (per year basis, Department of Transportation digital signs). |
| | 0 | No | Reduce driving (vehicle miles traveled -VMT) by increasing trips via walking, biking, and public transit | Require percent of Department of Transportation to focus on alternative transportation. |
| Climate Justice & Community Resilience | 91 | Yes | Respect the concerns and needs of vulnerable communities | Meet communities where they are at (physically/ideologically) and accommodate to meet basic needs and facilitate engagement. |
| | 87 | Yes | Develop climate action plans in communities across the state | Integrate climate action planning into existing planning processes and ensure equitable process (e.g. comprehensive plans, health incentive accounts, emergency management plans). |
| | 76 | Yes | Develop/find black/brown leaders for climate justice. | Support through resources for leaders (money, training, leadership development) |
| | 60 | Yes | Rejecting climate nihilism/offering hope/including positive communication, focus on climate solutions | Create a database of Wisconsin climate and environmental justice solutions that's publicly accessible - successful case studies (including contact info/network). |
| | 57 | Yes | Respect the concerns and needs of vulnerable communities | Relationship/trust building. Centering their agenda and needs. Volunteering. Map out organizational/institutional accountability to vulnerable community-transparency. |
| | 52 | Yes | Ensure equity and a just transition in climate solutions | Support rather than just advocate for nonprofit engagement in green/blue jobs. |
| | 47 | Yes | Rejecting climate nihilism/offering hope/including positive communication, focus on climate solutions | Build trust and strengthen relationships by highlighting existing successes. Develop short and long - term goals, recognizing pre-existing efforts. |
| | 46 | No | Increase community awareness of climate solutions | Help frontline organizations advocate for racial justice, a critical component of addressing the climate crisis equitably. |

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| Climate Justice & Community Resilience | 45 | No | Ensure equity and a just transition in climate solutions | Amplify and empower those most at risk to be key decision makers for climate solutions. Dismantle and denounce white supremacy in environmentalism. |
| | 44 | Yes | Focus on shared values to collect community engagement | Bring in community leaders/champions (bridgers) to serve as ambassadors to their communities. |
| | 43 | No | Improve the collection and use of information to address injustices | Tell stories about disadvantaged/impacted communities and include solutions to these issues. |
| | 40 | No | Increase community awareness of climate solutions | Get involved in events organized by local community organizations. |
| | 34 | No | Improve the collection and use of information to address injustices | Conduct a data gap analysis to determine what data is missing. Reach out to nontraditional communities and ask, "What data is important to you?" Particularly rural communities. |
| | 32 | No | Engage and elicit youth voices to impact climate change | Fund youth to engage and work through BIPOC and children-serving organizations. |
| | 23 | No | Create a Climate Coalition of Wisconsin | Identify existing or potential groups, build awareness, and check in with these groups to better understand the Wisconsin landscape on climate. |
| | 23 | No | Prevent or be upstream of environmental injustices | Engage the private sector to find and implement durable business models. Collaborate with impacted communities. |
| | 13 | No | Respect the concerns and needs of vulnerable communities | Create space for conversations between elected officials and constituents. Employ organizers/resource navigators who know the community. Provide stipends, childcare, food, etc. |
| | 12 | No | Develop/find black/brown leaders for climate justice | Establish nontraditional pathways to participation and leadership. Remove barriers to participation. |
| | 10 | No | Create a climate coalition of Wisconsin | Confirm/identify the purpose and areas of alignment to advance climate actions and justice. Identify tactics and strategies for on the ground implementation. |
| | 10 | No | Create a climate coalition of Wisconsin | Expand engagement with social justice, community-based groups with emphasis on under-served communities. |
| | 10 | No | Engage and elicit youth voices to impact climate change | Create/expand multi-generational interactions around environment/climate/justice. |
| | 10 | No | Prevent or be upstream of environmental injustices. | Build trust and community using these values. Connect with community leaders. |
| | 9 | No | Focus on shared values to collect community engagement | Establish messaging resources to reach and connect with diverse audiences. |
| | 9 | No | Focus on shared values to collect community engagement | Gather input from all stakeholders to identify shared values/goals. |
| | 9 | No | Respect the concerns and needs of vulnerable communities | Identify social and economic justice needs to achieve environmental justice actions. |

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| Climate Justice & Community Resilience | 8 | No | Develop climate action plans in communities across the state | Ensure climate change impacts are shared with communities. Build common language. Engage communities, make climate impacts real, and show them how to incorporate climate change actions into existing planning processes. |
| | 8 | No | Develop/find black/brown leaders for climate justice. | Connect existing BIPOC leaders throughout the state of Wisconsin with climate/environmental activism opportunities. |
| | 6 | No | Develop climate action plans in communities across the state | Include climate action in the mission statement and core values of all action plans. |
| | 6 | No | Increase community awareness of climate solutions | Use community engagement efforts as an educational opportunity to distribute factual information and encourage commitment to the cause of reducing greenhouse gas emissions. |
| | 5 | No | Ensure equity and just transition in climate solutions | Engage with and empower energy sector staff in a just transition (re-employment and training) towards blue-green jobs. |
| | 4 | No | Develop climate action plans in communities across the state | Develop relationships with stakeholders and community leaders. Expand knowledge/appreciation of cultures that hold environmental practices. |
| | 3 | No | Developing/finding black/brown leaders for climate justice. | Empower BIPOC communities through education and outreach to understand the risk to health and quality of life. Uplift existing work through allyship. |
| | 3 | No | Prevent or be upstream of environmental injustices | Capture and understand the data of historically marginalized communities or populations. Raise awareness of environmental justice tools to highlight injustices. |
| | 3 | No | Rejecting climate nihilism/offering hope/including positive communication, focus on climate solutions | Create a strategic communications plan centering respect and asking questions. |
| | 2 | No | Develop climate action plans in communities across the state | Engage communities in a meaningful way throughout the process of plan development. Be adaptable to the needs of each community. |
| | 2 | No | Engage and elicit youth voices to impact climate change | Leverage the power of children by teaching compassion and human rights. |
| | 1 | No | Improve collection and use of information to address injustice | Increase free access of data to new users and communities. Make the data understandable and actionable. Provide data visualization on appropriate themes and scales. |
| | 0 | No | Engage and elicit youth voices to impact climate change | Informal and formal education is included in all actions. |
| | 0 | No | Improve collection and use of information to address injustice | Acknowledge missing or impossible-to-collect data. |
| | 0 | No | Improve collection and use of information to address injustice | Improve the roll out of data. Empower communities to make data informed decisions. |

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| Climate Justice & Community Resilience | 0 | No | Improve collection and use of information to address injustice | Provide funding and staff capacity in data management. |
| | 0 | No | Prevent or be upstream of environmental injustices | Build on existing communities to actively listen to and understand shared values and norms. |
| | 0 | No | Prevent or be upstream of environmental injustices | Create a space to reinforce those values. |
| | 0 | No | Prevent or be upstream of environmental injustices | Measure and share in order to scale impact. |
| Green Jobs & The New Economy | 63 | Yes | Grow green jobs, work force preparation and education | Integrate sustainability (including climate change) education and careers into K-12 Department of Public Instruction standards using the United Nations Sustainable Development Goals framework. Fully support green healthy schools in WI at the Departments of Public Instruction and Natural Resources. |
| | 41 | Yes | Jump start clean energy manufacturing | Design efficient communication flow about funding opportunities to businesses to establish diverse networks for information and technical support, including supply chain. |
| | 40 | Yes | Ramp up clean transportation and supporting infrastructure | Research and invest in intentional infrastructure. This includes research and development on solar roadways, wind turbines along medians, and the NextGen highways collaboration with transmission and broadband infrastructure. |
| | 35 | Yes | Ramp up clean transportation and supporting infrastructure | Increase collective fast transit, including buses and carpooling. |
| | 33 | Yes | Embrace and adopt climate-smart agriculture | Use waste manure and waste heat from milk to run trucks/tractors for free. Or pay farmers to heat a school with their waste heat. |
| | 31 | No | Build out a clean energy economy | Focus on green jobs workforce development in labor/STEM education. |
| | 27 | Yes | Grow green jobs, work force preparation and education | Work out how to use the "carrot" of prevailing wage requirements and apprenticeship standards to attract industry (and or workers) into this area. |
| | 25 | No | Jump start clean energy manufacturing | Provide resource efficiency support for manufacturers by leverage existing programs priorities. Retool businesses to manufacture products to support the green economy. |
| | 23 | No | Develop a communications plan for climate smart agriculture | Create a communications strategy that is centrally developed and coordinated, then locally executed. |
| | 21 | No | Build out a clean energy economy | Invest in batteries or alternate storage technologies. |
| | 21 | No | Develop a communications plan for climate smart agriculture | Keep economic arguments front and center. Use a frame of "It's about time that rural people get a break". Do not use the words green, sustainable, climate change. Be apolitical. |

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| Green Jobs & The New Economy | 21 | No | Develop a communications plan for climate smart agriculture | Develop a communication strategy and pair it with opportunities to get "free/pay for slowly with no interest" things (e.g. solar panels, heat pumps, manure digesters) with an easier to remember URL website. |
| | 20 | No | Embrace and adopt climate-smart agriculture | Give family farmers a free health plan and a social security-type retirement plan. |
| | 20 | Yes | Ramp up clean transportation and supporting infrastructure | Increase the understanding of electric vehicles and the electric vehicle infrastructure in Wisconsin. |
| | 20 | No | Support the circular economy and resource efficiency | Incentivize business to utilize more recycled content and extend producer responsibility. |
| | 18 | No | Support the circular economy and resource efficiency | Equally support all spokes of a circular economy, including producers. |
| | 16 | No | Build out a clean energy economy | Invest and collaborate in Next Generation highway as key grid component. |
| | 16 | No | Ramp up clean transportation and supporting infrastructure | Invest in collective fast transit. |
| | 16 | No | Support the circular economy and resource efficiency | Support the study of the impacts of consumption and waste. Set targets for reduction. |
| | 14 | No | Build out a clean energy economy | Explore an alternative financing mechanism. |
| | 11 | No | Build out a clean energy economy | Collaborate with communities to develop and convert to a clean economy and communication opportunities. |
| | 8 | No | Embrace and adopt climate-smart agriculture | Give family farmers free (or pay slowly, no interest) solar panels and heat pumps. Fund construction of manure digesters in towns and farms. Fund a "farmers council" where they are paid to brainstorm solutions, fine-tune them, and be employed in running these projects. |
| | 8 | No | Jump start clean energy manufacturing | Create a clean energy hub to spur innovation in circular design and efficient processes. |
| | 7 | No | Support the circular economy and resource efficiency | Improve education and action for businesses and institutions to increase efficiency and recycle more. |
| | 6 | No | Grow green jobs, work force preparation and education | Leverage money for national service as training for green careers. Training occurs throughout state agencies/private sector. |
| | 6 | No | Ramp up clean transportation and supporting infrastructure | Increase the understanding of direct current fast charging infrastructure and the infrastructure across Wisconsin. |
| | 5 | No | Build out a clean energy economy | Put the onus of worker retraining on companies. |
| | 5 | No | Grow green jobs, work force preparation and education | Use the United Nations Sustainable Development Goals as a framework. Provide retraining and other assistance to people looking to pivot to green/blue jobs. Fund green teams in K-12 schools and integrate sustainability into classrooms. |

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| Green Jobs & The New Economy | 4 | No | Grow green jobs, work force preparation and education | Market green jobs through parental engagement: redefine green jobs as good opportunities with a focus on non-traditional groups. |
| Green Jobs & The New Economy | 4 | No | Ramp up clean transportation and supporting infrastructure | Increase intentionality of walkability and bikeability infrastructure |
| Green Jobs & The New Economy | 2 | No | Develop a communications plan for climate smart agriculture | Start with existing groups (e.g. Moose Lodge, womens' clubs) and engage community leaders as spokespeople. |
| Green Jobs & The New Economy | 2 | No | Grow green jobs, work force preparation and education | Retrain from current/legacy occupations using various "on ramps". |
| Green Jobs & The New Economy | 0 | No | Support the circular economy and resource efficiency | Improve locality - buy local. |
| Natural & Working Landscapes | 132 | Yes | Establish collaborations to better understand and quantify carbon stocks and the value of climate related ecosystem services provided by natural and working landscapes | Research the extent and vulnerability of existing carbon stocks. Expand to ecosystem services. Apply this to protection and restoration strategies. Develop methods. Identify specific collaborators and stakeholders. Identify a leading organization e.g., Wisconsin Initiative for Climate Change Impacts. Work towards outcomes-based decision making and financing. Synthesize and communicate existing data. |
| Natural & Working Landscapes | 116 | Yes | Develop mechanisms to fund adoption of practices to implement climate mitigation and adaptation strategies in natural and agricultural landscapes | Establish an outdoor fund. Add voluntary fees to AirBnB, VRBO (corporate partners) and others. Add a "round up" campaign with retailers. Add $5 to fund climate work in Wisconsin. Real estate tax. Lottery fees. Taxes from legalized cannabis. Sale of specially-branded products. Philanthropy. Fees on sale of outdoor equipment. |
| Natural & Working Landscapes | 106 | Yes | Reform the Farm Bill | Convene the Wisconsin grassroots Farm Bill Summit. |
| Natural & Working Landscapes | 104 | Yes | Create a natural climate solutions task force | Establish a natural climate solutions task force to integrate public, civic, private stakeholders/experts (rural and urban) to drive cohesive planning and implementation. |
| Natural & Working Landscapes | 81 | Yes | Prioritize implementation of agricultural practices that improve mitigation and adaptation benefits | Create a database of information about climate mitigation strategies, especially for private landowners, regarding funding and other programs. |
| Natural & Working Landscapes | 76 | Yes | Develop a framework that helps communities facilitate landscape-scale initiatives to address climate change | Identify and support communities with landscape-scale interests, needs, problems, and concerns. |
| Natural & Working Landscapes | 75 | Yes | Establish collaborations to better understand and quantify carbon stocks and the value of climate related ecosystem services provided by natural and working landscapes | Fund, organize, and coordinate existing structures/working groups and build on them. Share these ideas and resources. |
| Natural & Working Landscapes | 74 | Yes | Restore hydrology to increase resilience | Restore wetlands and floodplains to increase storage, decrease peak flows, recharge groundwater, maintain base flow, and more. |
| Natural & Working Landscapes | 61 | No | Reform the Farm Bill | Produce a Wisconsin grassroots Farm Bill agenda. |

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| Natural & Working Landscapes | 60 | No | Prioritize implementation of agricultural practices that improve mitigation and adaptation benefits | Use farm bill money to incentivize agriculture producers and farmers to maximize best management practices on their land. |
| | 58 | No | Establish collaborations to better understand and quantify carbon stocks and the value of climate related ecosystem services provided by natural and working landscapes | Translate/interpret data for applied work and the public. Use language that is easy to understand. |
| | 56 | No | Restore hydrology to increase resilience | Develop watershed-scale hydrology models and other baseline datasets. |
| | 33 | No | Prioritize implementation of agricultural practices that improve mitigation and adaptation benefits | Integrate carbon sequestration goals into the Managed Forest Law. |
| | 19 | No | Reform the Farm Bill | Ramp up education and communication through eight farm-hosted events to connect with influential members of Congress. |
| | 19 | No | Restore hydrology to increase resilience | Develop funding mechanisms for hydrological restoration projects. |
| | 16 | No | Establish collaborations to better understand and quantify carbon stocks and the value of climate related ecosystem services provided by natural and working landscapes | Develop a "carrot" to incentivize participation by stakeholders. |
| | 12 | No | Develop mechanisms to fund adoption of practices to implement climate mitigation and adaptation strategies in natural and agricultural landscapes | Increase the capacity of organizations to access large federal funding programs. (e.g., Natural Resources Conservation Service, Regional Conservation Partnership Program, Conservation Innovation Grants). |
| | 12 | No | Prioritize implementation of agricultural practices that improve mitigation and adaptation benefits | Restore natural communities and systems. |
| | 11 | No | Develop mechanisms to fund adoption of practices to implement climate mitigation and adaptation strategies in natural and agricultural landscapes | Develop white paper in collaboration with financial professionals so potential donors know the tax and estate advantages of funding conservation. |
| | 11 | No | Establish collaborations to better understand and quantify carbon stocks and the value of climate related ecosystem services provided by natural and working landscapes | Identify community values to connect individuals to initiatives. |
| | 11 | No | Restore hydrology to increase resilience | Help communities understand why restoring hydrology increases resilience. |
| | 9 | No | Establish collaborations to better understand and quantify carbon stocks and the value of climate related ecosystem services provided by natural and working landscapes | Establish Wisconsin ecosystem services market (public or private). |
| | 6 | No | Develop a framework that helps communities facilitate landscape-scale initiatives to address climate change | Prioritize and target communities to inform and empower landscape-scale initiatives. |

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| Track | Total votes | CAR chart | Goal or Strategy | Action |
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| Natural & Working Landscapes | 5 | No | Develop a framework that helps communities facilitate landscape-scale initiatives to address climate change | Compile existing frameworks and build upon them. |
| | 5 | No | Develop mechanisms to fund adoption of practices to implement climate mitigation and adaptation strategies in natural and agricultural landscapes | Explore the potential of existing carbon markets to incentivize a broader range of climate solutions. Trace current gases, avoid emissions, avoid land conversion, and explore ecological restoration. |
| | 0 | No | Establish collaborations to better understand and quantify carbon stocks and the value of climate related ecosystem services provided by natural and working landscapes | Prioritize and target communities for outreach. Empower and inform target audiences about the importance of landscape-scale initiatives. Develop a framework that can be customized. Fund Nelson-Knowles Stewardship Program and facilitators. Create a centralized database for communities (landscape-scale) to learn about programs like carbon markets, ecosystem service payments, and more. |