

AMY KLOBUCHAR
MINNESOTA

COMMITTEES
AGRICULTURE, NUTRITION
AND FORESTRY
COMMERCE, SCIENCE
AND TRANSPORTATION
JOINT ECONOMIC COMMITTEE
JUDICIARY
RULES AND ADMINISTRATION

United States Senate

WASHINGTON, DC 20510

May 5, 2022

The Honorable Patrick Leahy
Chairman
Appropriations Committee
Washington, DC 20510

The Honorable Richard Shelby
Vice Chairman
Appropriations Committee
Washington, DC 20510

The Honorable Dianne Feinstein
Chair
Senate Appropriations Subcommittee on
Energy and Water Development
Washington, DC 20510

The Honorable John Kennedy
Ranking Member
Senate Appropriations Subcommittee on
Energy and Water Development
Washington, DC 20510

Dear Chairman Leahy, Vice Chairman Shelby, Chair Feinstein, and Ranking Member Kennedy,

I certify that neither I nor my immediate family has a pecuniary interest in any of the congressionally-directed spending items that I have requested in the Fiscal Year 2023 Subcommittee on Energy and Water Development, consistent with the requirements of paragraph 9 of Rule XLIV of the Standing Rules of the Senate.

Sincerely,



Amy Klobuchar
United States Senator

Klobuchar, Amy(D-MN) Energy and Water Development Congressionally Directed Spending Requests

Recipient Name	Project Purpose	Project Location	Amount Requested (\$000)
Jason Rick	<p>The Water Treatment Plant Generator has failed in the most recent testing. If there were inclement weather or another emergency that disrupted power to the Water Treatment Plant, we would not be able to provide water to the residents safely.</p> <p>Providing safe drinking water to the small towns in Minnesota is highly vital to the overall health and wellness of the State of Minnesota. This project would help provide this for the project area.</p> <p>There is more need than funds in small-town Minnesota. In Barnesville, approximately 75% of the community's infrastructure needs repair or replacement due to the age of the system. This will come at a cost that will be financially burdensome to the community, and its residents, of which many are on a fixed income. By receiving these requested funds, the City will be able to start the long process of replacing this infrastructure and allow for future projects to be constructed sooner. This area of the community will be provided with adequate potable water for drinking and fire protection.</p>	Barnesville MN	\$132,894
Vernell Roberts	<p>The project has been scaled back to reduce costs and make the project manageable. We are also working with MAHABUE to provide Low Income Heat Energy Assistance Program (LIHEAP) customers an opportunity to participate in a solar project and receive approximately \$20.00 a month credit on electric bills from an allocated allotment from the project. We are currently working with MAHUBE to facilitate and manage the monthly credits to LIHEAP customers if the project happens.</p>	Becker County MN	\$24,000
Todd Johnson	<p>The NSC goal is to be a net zero campus by 2050. By partnering with local, state and federal government to provide an international sports and recreation destination that has little to no impact on the environment would be the long term vision for the project.</p>	Blaine MN	\$1,200,000
Mark Windschitl	<p>The City of Chaska requests \$2 million in FY23 Community Project Funding to continue the progression of investments in a private corporation business park development that, based on a market study, will provide 5,000 new living wage jobs in five years and 10,000 total new jobs in 10 years for the Twin Cities Metropolitan Area. The \$2 million request is the final funding needed for a \$18.9 million city investment to allow planned business park development to begin (see Attachment A). The \$2 million request will fund necessary sewer and roadway costs to support the start of the Phase II development. Construction is planned to begin in 2023.</p>	Chaska MN	\$2,000
Shannon Schlecht	<p>This project aims to conduct a detailed feasibility analysis about the development of a local upper Midwest fertilizer hub. Synthetic fertilizers are essential to modern agriculture. Without them, it is impossible to sustain the productivity level that has allowed the US agricultural system to maintain an increasingly abundant supply of low-cost food to the nation and the world. On the other hand, depending on fossil fuels, synthetic fertilizers have a large environmental footprint. Ammonia production, the basis for all nitrogen fertilizers, accounts for almost 2% of the global greenhouse gas emissions. Fertilizers are also dependent on large supply chains and, as a globally traded commodity, are highly affected by energy prices and supply chain disruptions. We aim to identify how this new fertilizer supply could insert into the existing supply chain to minimize disruption for the user. A key outcome of the study is the identification of regulatory and policy approaches to attract the needed private capital.</p>	Crookston MN	\$750
Emily Larson	<p>The vision of the City-Wide Energy Efficiency, Renewable Energy, and EV Charging Demonstration Project is to provide a shovel-ready project that will advance the City of Duluth as a leader in sustainability. And, will reduce long-term energy and operational costs, reduce the City's carbon footprint, create local jobs, and provide public-facing demonstrations for community benefit. The purpose of this project is to showcase an impressive combination of renewable energy/ solar photovoltaic (PV) applications, energy-efficient facility improvements, and electric vehicle (EV) charging stations, moving towards Near Net Zero Energy performance at various sites across the community.</p> <p>The project includes City-wide solar PV demonstrations including roof mount and carport applications including:</p>	Duluth MN	\$3,816

	<p>885 kW DC of Solar PV across five (5) City sites: Water Treatment site, Bayfront Park, Comfort Systems building, Public Safety Building, and West Duluth Reservoir Bayfront Park, a highly visited park showcases carport solar with EV charging Comfort Systems building to be Near Net Zero Energy performance (all electricity used on-site is offset with renewable energy)</p> <p>This project pairs solar PV with energy efficiency improvements at the Water Treatment, Comfort Systems, and Public Safety buildings to greatly reduce the energy intensity and electric costs at these facilities. City-wide EV charging stations are also included, intended for City fleet and public use. Locations are selected based on high community facing/ high traffic areas across the entire City to provide equity in access to EV charging.</p>		
Matt Fyten	<p>The SWT Multi-City/County Clean Energy Demonstration Project request will provide economic, environmental, equity and local community workforce benefits to SWT, its commuters, and the many surrounding Minnesota communities.</p> <p>This project includes:</p> <p>675 kW DC of solar PV across two (2) transit sites (all community facing)</p> <p>Demonstrate multiple solar PV applications including roof mount and carports on parking ramps</p> <p>When paired with energy efficiency upgrades (efficient HVAC upgrades) - the SWT bus garage facility's energy intensity decreases to near Net Zero</p> <p>Also, the Southwest Station (Bus and Light Rail Station) in Eden Prairie will be Near Net Zero energy performance due to the solar PV installations (all electricity used will be offset by on-site renewable energy generation)</p> <p>16 - EV charging stations for the SWT's buses and for commuter vehicles at the parking ramps will be installed - a first for EV bus charging in the State of MN</p> <p>This will assist SWT in achieving its goal of going all electric by 2045 and Full Sustainability in 2050. SouthWest Transit Commission (SWT) is the public transit agency (36 years of service) for the West Metro Cities of Chaska, Chanhassen, and Eden Prairie spanning both Carver and Hennepin Counties. The bus service (and soon light rail) has regular routes to Downtown Minneapolis, the University of Minnesota, Normandale Community College, Best Buy Headquarters, as well as services to the State Fair, various concerts, and MN sports (Twins, Vikings, and Gophers games). Approximately 1.2 million commuters utilize the bus services annually.</p>	Eden Prairie, Chanhassen, Chaska MN	\$1,996
Roger Skraba	<p>The City of Ely's municipal water system's sole source of drinking water is a surface water intake from Burntside Lake. The water intake line from Burntside Lake was constructed in 1932 and is approximately 25,000 feet in length. The water line is buried less than four feet in depth in most places but is above ground and exposed to the elements in areas in which it crosses rivers and other wetlands. The line is supported on three separate bridges that crosses the Burntside River and two creeks. Breakages have occurred to this line due to the minimal depth at which the line is buried. Exposed areas of the line have experienced corrosion of the connecting hardware which had required numerous repairs. Because this is the sole water source for the city, any breaks must be treated as an emergency situation to ensure that residents have adequate supply of drinking water and necessary fire protection. This project will include the replacement of the deteriorated water lines at the bridge crossings, intake structure rehabilitation, and replacement of the intake water line. The cast iron water main will be replaced with corrosion resistant high density poly ethylene (HDPE) to ensure reliability.</p>	Ely MN	\$2,645,000
Peter Smerud	<p>"The vision of the Minnesota Sustainability, Workforce Development, and Environmental Education Project is to advance Wolf Ridge's position as an international leader in Environmental Learning Centers - building upon Wolf Ridge's history of investing in MN's youth and promoting outdoor adventure in MN's Northwoods and the Lake Superior shoreline. Components of the project include an impressive combination of energy efficient facility improvements, renewable energy/solar photovoltaic (PV) applications, battery energy storage systems, electric vehicle (EV) charging, and educational tools to demonstrate these sustainable building practices to students via hands-on experiential learning. This project includes campus-wide energy efficiency and conservation solutions consisting of LED lighting, high efficiency heating and ventilation, high efficiency envelope, water conservation, building weatherization and indoor air quality improvements. This project couples energy efficiency solutions with solar PV demonstrations to showcase how integration of energy efficiency and renewable energy greatly reduces the energy intensity of facilities. Solar PV demonstrations total 170 kW including roof mount at Summit Lodge; ground mount at the Farm; and roof mount at the Science Center - bringing these sites to Near Net Zero Energy</p>	Finland MN	\$3,500

performance. The integration of battery energy storage systems for educational demonstration and resiliency is also included at Summit Lodge. EV charging will be added in public/community facing locations to all access for parents, staff, visitors, and teachers. To assure community education and experiential learning of these sustainability solutions, this project also includes education tools for MN students and project modeling and reporting."

Darin Johnson	Western Norman County in Northwest Minnesota, communities look at their long-term home heating needs many have questions of future unknown costs, quality, ability to pay, environmental, and sustainability. The City of Halstad, and their neighboring communities are exploring our options as a solution to make sure all their future heating needs are met. Small Municipal systems and low income levels complicate the ability to attract natural gas investments. Add to the complicated and volatile energy markets local consumer disparities inhibit risk of full investment.	Halstad MN	\$4,000,000
Matt Smith	<p>The vision of the County-Wide Sustainability and Clean Energy Demonstration Project is to provide a shovel-ready project that will advance Dakota County, MN as a leader in sustainability, reduce long term energy and operational costs, reduce the County's carbon footprint, create local jobs and provide community facing demonstrations.</p> <p>This project includes an impressive combination of energy efficient facility improvements, renewable energy/solar photovoltaic (PV) applications and electric vehicle (EV) charging stations, moving towards clean electricity at various sites across our community.</p> <p>The project includes County-wide solar PV demonstrations including ground mount and carport canopy applications. Highlights of the solar PV solutions include:</p> <p>834 kW DC of Solar PV across three County sites: Administration Center, Robert Trail Library and Northern Service Center When paired with energy efficiency upgrades - the facility's energy intensity greatly decreases Solar PV arrays are all community facing Administration Center to be Near Net Zero energy performance (all electricity used will be offset by on-site renewable energy generation)</p> <p>This project also includes energy efficiency measures at the Northern Service Center and Robert Trail Library to greatly reduce the energy intensity and electric costs at these facilities.</p> <p>County-wide EV charging stations are also included, intended for County fleet and future public use. Locations are selected based on high community facing/ high traffic areas and are coupled with solar PV to showcase integration of EV charging and solar PV technologies.</p>	Hastings, West St. Paul, Rosemount MN	\$4,500
Rick Kucera	This project would restore approximately 240 acres of approved wetlands that will be roughly 100 credits for wetland banking in Minnesota. To continue growth throughout the state of Minnesota, wetland credits are in demand to offset the impacts of roadways, railways, and buildings. These credits could be used by others outside of Le Sueur for their growth with Le Sueur receiving funds for the community to use.	Le Sueur MN	\$2,750,000
Richard King	This Demonstration Project will continue the MAC's aggressive Sustainability efforts with visibility to its 40 million Travelers annually, by reducing energy consumption and lowering CO2 emissions. This project will move the MAC towards achieving its 2030 Sustainability Goals of reducing Greenhouse gas emissions by 80%, waste by 75% and water usage by 15%. Demonstrate "state of the art" Local / USA manufactured solar window clear film/glazing that generates electricity and solar film that reduces heat gain / loss with cost effective efficiency at the four (4) traveler walkways from the six (6) parking ramps at both Terminals. Include the installation of high efficiency LED lighting at these Green Walkways to both Terminals and at the underground TRAM area (from the parking ramps to the Terminal) which also includes riders from the Light Rail service. Demonstrate readiness for Electric Vehicles (EVs) and accelerate the adoption of EVs in MN by the addition of EV charging stations at the various parking ramps at both Terminals. Travelers will proceed from these EV charging supported parking ramps to then enter the Green Walkways to the Green Entrances to the Airport Terminals. Installation of Recycle bins and trash compactors at various areas at both Terminals - continuing the "Green Entrances / Areas" to the airport theme. And finally, to showcase the above clean energy technologies with Communication Campaign and signage that will provide visibility, and educational benefits of the Sustainability efforts at these Green Entrances.	MSP Airport MN	\$4,500

Edward Inch	<p>The Campus-Wide Clean Energy and Decarbonization Demonstration Project is a near shovel-ready project that will advance Minnesota State Mankato as the leader in sustainability for Minnesota State Colleges and Universities. This project, will reduce long term energy and operational costs, reduce the University's carbon footprint, create local jobs, provide public-facing demonstrations for community benefit, and act as a living-learning lab for student education and experiential learning.</p> <p>The purpose of this project is to showcase an impressive combination of renewable energy/ solar photovoltaic (PV) applications and electric vehicle (EV) charging stations, moving towards clean energy technologies across the Campus, including:</p> <p>Demonstrate the largest solar project for a Minnesota State University (2.5MW), in which all energy generated is used on site by the University. Solar PV on 8 rooftops: Memorial Library, Dining Center, Centennial Student Center, Performance Arts, Otto Rec Center, Sears Hall, Preska Hall and Wissink Hall Large Solar PV Carport outside popular sports facilities - integrated with EV charging Campus-wide EV charging stations are also included at 7 locations, intended for Campus fleet, teachers, students, staff, and visitors. Locations are selected equitably across the Campus. This project will serve as a world-class living-learning lab for University students, providing educational tools that will be integrated into student learning and skills training. This project will attract students from all over the World that are interested in attending a University that is committed to sustainability.</p>	Mankato MN	\$4,079
Robin Cowell	<p>The \$2,340,000 in requested funds will be used to purchase key equipment needed for the safe operations of a sanitary district. The new equipment will be technologically superior to the outdated and original equipment which is currently in place. The total cost for the project will be \$3,120,000. We are requesting 75% of this from the federal government and GKWMML will fund its 25% cost share of \$780,000. They will use their current cash on hand, or a general obligation bond, if needed. This cost will fund the key equipment necessary for the safe operation of lift stations.</p> <p>The new equipment will include 11 permanent generators and 28 lift stations. The 11 permanent generators are critical because lift stations will not operate without electrical power, and they continue to receive wastewater. Power failures happen at least once a year, and the district currently has only two portable generators to bring to a lift station during a power outage. Without the 11 new generators, potentially 26 lift stations could lose power and cease to move wastewater, causing destructive and dangerous surface discharge.</p> <p>A final purchase with congressional funding is a new, higher quality Supervisory Control and Data Acquisition (SCADA) control system. This key piece of equipment monitors water levels, pump temperatures, pump vibration, and moisture in the motors of the 28 lift stations. The existing control panels and SCADA components are outdated and lack the current modern technology needed to safely monitor the 20-mile collection system.</p>	Mille Lacs MN	\$2,340
Marcus Pope	<p>This facility will help Minnesota meet its rapidly growing needs for a skilled and craft workforce to develop, build and maintain technologies that are part of the emerging Climate Economy and transformation of energy systems to clean energy and much greater energy efficiency. Through its location in a federal Opportunity Zone, with excellent regional access by public transit, and its focused recruitment efforts on BIPOC youth and young adults, this facility will also address Minnesota stark racial disparities in household income and educational attainment. This project is supportive of expansive public policies and goals for clean energy and greater social and racial equity. As a public-private-non-profit partnership, this project will be well-positioned to facilitate connections with employers and non-profit training programs in the community and across the metro region. The initial phase has begin to build the necessary partnerships for support services and mentoring. This project is the next phase of a redevelopment vision for Plymouth Avenue, the East Plymouth Innovation Corridor (EPIC), that will include other mixed uses, housing affordable at multiple income levels, and demonstrations of sustainable development strategies for urban neighborhoods.</p>	Minneapolis MN	\$3,000,000
Peggy Anderson	<p>This project consists of constructing water main along County Road 7 from Unity Drive to Southern Drive to provide better service to the citizens of Mountain Iron and provide for increased fire protection. This water main will also interconnect with the City of Virginia to provide backup water service for each community. This new 10 inch water main will serve our communities well for the next 100 years. Mountain Iron is a small community in northeastern Minnesota and does not have the financial wherewithal to undertake this project on its own accord. Clean reliable water is a staple of any good City and with this project we will be able to provide clean and reliable water service to our citizens for a very long time.</p>	Mountain Iron MN	\$500,000

Troy Larson	Lewis & Clark is a non-profit 501(c)4 organization incorporated in 1990 and authorized by Congress in 2000 (P.L. 106-246). It is a wholesale provider of water to 20 member cities and rural water systems in a 5,000 square miles area (size of Connecticut) in southwest Minnesota, southeast South Dakota, and northwest Iowa. Groundbreaking was on August 21, 2003, construction began in earnest in 2004, and operations started on July 30, 2012. Water is currently being delivered to 15 members - and 5 members are still waiting to receive water. Water rates cover 100% of the operations and maintenance expenses. The source of water is a series of wells that tap into an aquifer adjacent to the Missouri River. With the purpose of improved quality of life and expanded economic development opportunities, Lewis & Clark represents a unique regional approach to address common problems of water quality and quantity in a more effective and cost-efficient way than each member could do alone. This water provides water to 10 counties in southwest Minnesota.	Nobles MN	\$12,000
Ben Martig	The City of Northfield seeks and authorization for design and construction assistance of a water treatment facility that will help reduce unsafe levels of manganese in the drinking water for Northfield residents.	Northfield MN	\$25,087
Tyler Gardner	<p>Congressionally Directed funds will be used for a comprehensive rehabilitation of the city's aging wastewater system. Included in this project is a rehabilitation of the main lift station; removal, and replacement of the main forcemain; and construction of a new aerated wastewater stabilization cell. The project has been on the state's project priority list since September of 2021.</p> <p>This federal funding will be used to completely remove and replace 4,500 feet of forcemain that runs from the main lift station to the aerated stabilization ponds. It would be replaced with 6" high density polyethylene (HDPE) pipe that is flexible and strong, decreasing the risk of breaks. The lift station will receive new pumps, motors, valves, piping, an alarm system, and other essential parts. In addition, plumbing will be replaced to transition to the forcemain. Constructing a new aerated stabilization cell will be completed with this funding. This will increase operational flexibility and volume storage to meet future projections.</p> <p>The urgency of this wastewater infrastructure system is needed for the safety of the residents and to protect the environment. Two critical breaks occurred in the main forcemain, on October 15, 2021, and in February 2022. There are two health and safety issues, 1) wastewater backups, and 2) groundwater leakage caused by forcemain breaks. With the recent breaks, it is urgent to correct these deficiencies now. The improvements will cost \$3,620,000 and the City is respectfully requesting \$2,715,000 from the Army Corp of Engineers.</p>	Pequot Lakes MN	\$2,715
Becky Norton	The project has multiple components but concentrates on the redevelopment and connection of the city's Mississippi River Upper Harbor and Bay Point Park riverfront to a distressed mix-use commercial and low income residential area. The project targets blighted, underutilized public lands, specifically a 13 acre brownfield for renewal. Realigning a roadway provides the opportunity to fully utilize the 13 acre brownfield area and adjacent land to its highest and best use. We will: improve traffic safety for vehicles, pedestrians and bicyclists; organize grain truck fleet and staging creating efficiencies for the international exporting of grain; reorganize boat landing/launching parking; create new public open green spaces for active living activities; quiet intrusive train whistles; protect the Mississippi River's environment; and, support the US Army Corps of Engineers mission of maintaining the 9 foot commercial river channel. Completion of the project compliments a city wide Economic Development Strategy that utilizes an asset-based approach to think creatively and build a successful direction for the future. Long lasting, sustained economic vitality is dependent upon quality offerings and strong support in the areas of arts and culture, outdoor recreation, and local education. In addition, as a part of the city's plan to help address economic, racial and social disparities, Red Wing is working to make recreational facilities available to all neighborhoods. The project will help us achieve our planned goals. We can obligate funding and initiate in FY 23, fully complete the project's construction in two seasons from initiation barring no unforeseen conditions.	Red Wing MN	\$3,700,000
Kim Norton	The City of Rochester seeks to create a downtown District Energy System. This infrastructure will connect City buildings with a sustainable energy source that provides long-term efficiency, decreases operating costs, and generates substantial environmental benefits. Rochester's decision to move toward a District Energy System has been spurred by Olmsted County's decision to terminate City building steam service from its Waste-to-Energy facility in 2023 due to frequent steam leaks and repairs along Fourth Avenue Southeast. The proposed project will support future development in the Destination Medical Center (DMC) footprint. Specifically, Congressionally Directed Spending will support solar and	Rochester MN	\$2,000

	<p>geothermal improvements to Rochester's District Energy System will that maximize its energy efficiency benefits. Solar photovoltaics (PVs) will be installed on City Hall, the Rochester Public Library, and Mayo Civic Center to produce energy that will support District Energy heating and cooling. Geothermal wells will also be drilled and the energy produced will feed directly into District Energy heating and cooling systems.</p> <p>Solar PVs on City Hall - 350 panels (@ \$1,500 per panel) will generate solar energy for the District Energy System. Solar PVs on Rochester Public Library - 610 panels (@ \$1,500 per panel) will support the District Energy System with solar energy. Solar PVs on Mayo Civic Center - Solar energy from 1,200 panels (@ \$1,500 per panel) will feed directly into District Energy heating and cooling systems. Geothermal wells - Two geothermal wells with heat pumps (@ \$450,000 per well) will be drilled to support sustainable District Energy heating and cooling.</p>		
Aaron Parrish	The City of Rochester seeks funding to modify its Water Reclamation Plant to meet more stringent phosphorus limits and replace equipment that has reached the end of its useful life. The phosphorus removal project will convert a two-stage High Purity Oxygen plant onsite to a conventional air plant using the same configuration as the Aeration Basin Complex plant, which will improve biological phosphorous removal. An Aeration Basin Complex plant will also be expanded to ensure compliance with the new phosphorous limits into the future. The project will also conduct upgrades to increase plant efficiency, simplify operations, and reduce maintenance costs.	Rochester MN	\$2,000,000
Kyle Oldre	Rock County Rural Water is requesting 4,000,000 dollars to design, construct and equip a 500,000 gallon water tower and install infrastructure required for the water tower on the west side of our system. Rock County Rural Water does not meet Minnesota Department of Health or ten states standards on minimum storage compacity. Minnesota Department of Health has indicated on our sanitary survey report stated "the average daily water usage greatly exceeds the guidelines of providing a minimum of the one day water storage capacity". This project would give us fire protection for several of the small towns we serve as well as the ability to better blend high quality Lewis and Clark water with our pumped water. This project would also provide adequate storage in the event of a natural disaster and/or system disruptions as well provide the ability for economic growth to the rural customers and small towns we serve. Rock County's main economic driver is agriculture and the growth of agriculture in our area. This project will ensure agriculture users the ability to have high quality water at their disposal for livestock and crop use. We are applying for grant funds due to the total project costs and the unreasonable burden it would put on Rock County Rural Water customers. A vast majority of Rock County Rural Water's budget goes to operations, updates to aging infrastructure and wellhead protection.	Rock County MN	\$400
Alison Brown	Science Museum of Minnesota showcases lighting efficiency to help fight climate change	Saint Paul MN	\$1,800
Maggie Lorenz	This request is for solar panels and installation at Waká? Tipi Center at Bruce Vento Nature Sanctuary in Saint Paul. A major goal of Waká? Tipi Center is to be net zero carbon and environmentally friendly, both to meet community demand and align with Dakota values. The two primary components to achieve net zero carbon status include a geothermal energy system to power the facility's heating and cooling needs and a roof top solar system consisting of up to 140 fixed modules which will produce 60,000 kWh power per year.	Saint Paul MN	\$200
Michael Williams	The Stearns County Clean Energy Demonstration Project request will provide economic, environmental, equity and local community workforce benefits to Stearns County, its residents, and the many surrounding Minnesota communities. This project includes: 781 kW DC of solar PV at four (4) County facilities Demonstrate multiple solar PV applications which includes roof top mounting on four (4) County buildings Energy efficiency LED lighting upgrades - at nine (9) County facilities which will substantially reduce their electricity and maintenance costs annually 3 - EV charging stations for commuter vehicles at the Administrative Center, Service Center and Behavioral Health Center which will promote the use of Electric Vehicles (EV) in the County, which in-turn will improve environmental conditions in the County This will assist Stearns County in achieving its Sustainability Goals and	St. Cloud, Waite Park, Albany, Sauk Centre, Richmond, Belgrade MN	\$3,766

demonstrate to its residents the environmental benefits of Clean Energy technologies

Michael Williams	<p>The project will consist of whole home weatherization and electrification retrofits of 5-10 existing income-qualified homes across the member cities. The goals include building local contractor knowledge and experience in putting the pieces together and understanding the sequencing needed for comprehensive retrofits for energy efficiency in different building types and vintages of homes across the cities. Further, we will leverage a local nonprofit's Home Energy Career Trainings, which targets training and paid internships to individuals from BIPOC communities and women, bringing real-world practice to grow new expertise among underserved communities. This project would be jointly administered by a cohort of west metro cities that each have carbon reduction goals and energy action plans that support home decarbonization.</p> <p>St. Louis Park proposes to showcase these homes during the annual Twin Cities home tours and to provide an online tool for homeowners to model their home's pathway for decarbonization. Beyond the tours, they seek to leverage the cities' existing community-based programs to continue highlighting these inspiring examples and connect these results with our online planning tool. They also plan to extend invitations to local, regional, and federal elected officials to tour the homes, visit with contractors and residents to hear constituent experiences, and promote the program.</p>	St. Louis Park, Edina, Eden Prairie MN	\$1,000,000
Steven Bot	<p>The main reason the City has proposed this project is due to the Pollution Control Agency, Department of Agriculture, and Department of Natural Resources recently mandating that the City can no longer use our existing biosolids facilities as designed Reed Beds due to the non-native phragmites used being recently classified as a invasive species noxious weed. Therefore, we are being required/forced to upgrade their WWTP at this time including new biosolids handling, headworks screening processing, and liquids processing.</p> <p>This project is located in St. Michael but our facility provides regional treatment to the City of Hanover and Rockford Township in Wright County. The State of Minnesota and these communities would benefit from this project's elimination of the use of the invasive non-native phragmites and improvements to the water quality of the WWTP effluent to better treat for phosphorous and nitrogen which empties into the Crow River which flows to the Mississippi River.</p>	St. Michael MN	\$4,000,000
Tom Russell	<p>The Como Zoo must continuously address critical animal habitat and energy efficiency asset preservation to meet modern zoological practices. The Como Zoo has set an ambitious goal to reduce energy costs by 20%. To continue to upgrade facility heating and cooling systems the Como Zoo needs additional funding to remain a viable and sustainable entity whose mission is to inspire the public to value the presence of living things in our lives. The Como Zoo currently does not have the funds available to change over a 70 year old inefficient natural gas steam boiler to a more energy efficient heating and cooling system to begin the decarbonization of the Como Zoo Campus. This natural gas steam boiler system was last upgraded over 30 years ago. The Hydro Geothermal Heat Pump (HGHP) achieves a much higher performance profile than a natural gas steam boiler and even more than a traditional geothermal system. HGHP installations can provide up to a 75% reduction in energy use compared to installations of conventional natural gas furnaces with electric air conditioners. Total energy consumption from heating and cooling is reduced by 65-85%, and the annual energy cost is reduced by approximately 55% compared to natural gas furnaces with air conditioners. Electric utilities have expressed enthusiasm for the balanced demand load of geothermal heating and cooling. On top of energy savings, geothermal heating and cooling provides significant reductions in greenhouse gas (GHG) emissions.</p>	St. Paul MN	\$5,500
Russ Stark	<p>The City of Saint Paul has a goal of being carbon neutral in City operations by 2030. A key component of this work will involve decarbonizing City buildings. The City seeks to undertake a City Buildings Decarbonization Plan. The City will seek a consultant to conduct the analysis and propose a methodology for transitioning City buildings away from dependence on fossil fuel-based energy sources, and toward such solutions as geothermal heating and cooling, air-source heat pumps, and energy efficiency upgrades. The focus would be on the 40 City buildings that are 25,000 square feet or larger, with strategies also identified for smaller building types. The Plan will recommend strategies for the decarbonization of each of those 40 largest buildings, including a 3-year initial action plan and project prioritization.</p>	St. Paul MN	\$750

Tracy Zea	<p>The Navigation-Ecosystem Sustainability Program (NESP) is a multi-purpose program for the Upper Mississippi River and Illinois Waterway (UMR-IWW), consisting of navigation improvements and ecosystem restoration. Its primary goal is to ensure the economic and environmental sustainability of this, the only river system that Congress identified in 1986 as "a nationally significant ecosystem and a nationally significant commercial navigation system." NESP aims to improve the capacity and efficiency of the navigation system through updated lock and dam infrastructure and smaller-scale infrastructure designed to further improve the advantages of towboat and barge transportation.</p> <p>Construction of new 1,200-foot chambers at seven key lock and dam sites to augment the existing undersized 600-foot locks, creating two-way river traffic and providing single lockages for 1,110-foot tows. Smaller-scale navigation improvements are also included.</p> <p>This project also includes an equal amount dedicated to more than 300 ecosystem restoration projects throughout all five upper basin states. NESP will also restore, protect, and enhance the riverine and riparian habitat through ecosystem restoration measures designed to ensure the sustainability of home to 25 percent of North America's fish species and a globally important flyway to 40 percent of North America's migratory waterfowl and shorebirds.</p>	St. Paul, Hastings, Red Wing, Wabashe, Minneisk, Winona MN	\$50,000
Sandy Lange	<p>The water project consists of new wells, water storage, water distribution and water measurement, this is badly needed. The current water tower is in poor condition and was shut down by Morrison County Health Department until temporary repairs were completed. The new wells will improve the water quality for all its residents. The water infrastructure is critical for our town's ability to provide services to its residents. Funding is needed to provide these services to its residents affordably and without causing a local tax burden.</p>	Swanville MN	\$256,000
Rolf Nordstrom	<p>"GPI requests \$400,000 to work with communities, environmental and agricultural stakeholders, solar industry, and energy utilities to create pilot projects demonstrating how solar deployment can be a primary solution to nitrate contamination and risk. The effort would identify optimal locations using geospatial analysis of vulnerable drinking water supplies, parcel size, proximity to other land uses, and access to transmission for the solar. The project will also: engage rural water suppliers that are facing nitrate problems and potentially high capital costs for treatment, find willing land owners to participate in the pilot, identify electric utilities providers that want to increase renewable energy supply, identify solar developers willing to look at an alternative business model for development, engage natural resource and habitat organizations and agencies to assess how to maximize the habitat and surface water benefits engage agricultural agencies and practitioners to assess how the solar concepts fits agricultural business models conduct engineering studies of transmission interconnection costs and need for upgrades The project will then create pilot projects in different parts of the state, where conditions are appropriate, to demonstrate the benefits and co-benefits of solar protected drinking water supplies."</p>	Wadena MN	\$400
Rolf Nordstrom	<p>"The proposed project is intended to leverage the previous and ongoing work by these entities and to deliver solutions and best practices to state agencies and local land use authorities (cities and counties) to create a new wave of solar-integrated agriculture that protects and enhances agriculture and enables substantial new investment in Minnesota's solar energy resources. GPI in partnership with the Clean Energy Resource Teams (216C.385) requests \$500,000 to: Engage agricultural producers and rural/exurban communities to document synergies and conflicts between solar deployment and agriculture businesses and: Develop pilot projects on solar deployment and agricultural benefits focusing on both: small scale agriculture on the urban fringe large-scale agriculture in rural areas Expand guidance resources and best practices to inform local and state policy and land use regulation on solar siting Lay the foundation for implementing mutually beneficial integration of solar and agriculture Explore partnerships to capture other co-benefits for other communities, such as connecting rural community solar garden (CSG, or shared solar) development to low-income and communities of color, including linking CSG subscriptions to Section 8 Housing certificates or dedicated Section 8 housing"</p>	Washington & Stearns MN	\$500
Lou Masters	<p>The City of Wilder will construct a public sanitary sewer collection system which will provide the residents with reliable disposal of waste water. The failing and non-compliant systems cause backups into homes, leaking tanks, direct discharge into tile systems, and surcharging into yards which exposes residents to pathogens. The surcharge waste water can then also be washed into nearby waterways. This project will help to protect both ground and surface water. Public health and sanitary issues are a key for completing this project.</p>	Wilder MN	\$4,200,000

Kirsten Wallace	The Navigation and Ecosystem Sustainability Program (NESP) is a long-term program of navigation improvements and ecosystem restoration for the Upper Mississippi River System (UMRS). The primary goals of the program are to increase the capacity and improve the reliability of the inland navigation system while restoring, protecting, and enhancing the environment through implementation of an integrated, dual-purpose plan to ensure the economic and environmental sustainability of the Upper Mississippi River System. NESP includes the construction of a second 1,200-foot chamber at the system's seven most congested locks (Locks 20-25 on the Upper Mississippi and La Grange and Peoria Locks on the Illinois River), small-scale navigation efficiency improvements, and a suite of ecosystem restoration projects to increase the quality and abundance of fish and wildlife habitat.	Winona MN	\$50,000
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