



VILLAGE OF MOUNT HOREB

E. Main Street

Mount Horeb, WI 53572

Phone: (608) 437-6884 Fax: (608) 437-3190

Email: mhinfo@mounthorebwi.info Web: mounthorebwi.info

SUSTAINABILITY & NATURAL RESOURCES COMMITTEE

Tuesday, March 28, 2023 at 7:00 PM

Municipal Building Board Room

138 E. Main Street

Mount Horeb, WI

- 1) Call to order
 - a. Roll Call
- 2) Agenda Items
 - a. Consideration of February 28, 2023 Meeting Minutes
 - b. Consideration: Proclamation recognizing No Mow May
 - c. Disucssion/Recomendation Pollinator Garden Promotion
 - d. Discussion/Presentation: Sustainable Energy Usage in Mount Horeb
 - e. Discussion on April 19 Sustain Dane/ SNR Program
 - f. Review/Discuss SNR Survey for Election Day
 - g. Discussion/Consideration: 2nd Installment of SNR Article
 - h. Update on Energy Innovation Grant Program Application
- 3) Meeting adjournment.

UPON REASONABLE NOTICE, EFFORTS WILL BE MADE TO ACCOMMODATE THE NEEDS OF DISABLED INDIVIDUALS THROUGH APPROPRIATE AIDS AND SERVICES. FOR INFORMATION OR TO REQUEST THIS SERVICE, CONTACT ALYSSA GAFFNEY, CLERK, AT 138 E MAIN STREET, MOUNT HOREB, WI (608) 437-9404.



VILLAGE OF MOUNT HOREB

E. Main Street

Mount Horeb, WI 53572

Phone: (608) 437-6884 Fax: (608) 437-3190

Email: mhinfo@mounthorebwi.info Web: mounthorebwi.info

SUSTAINABILITY & NATURAL RESOURCES COMMITTEE

Tuesday, February 28, 2023 at 7:00 PM

MEETING MINUTES

- 1) Call to order
Chair White called the meeting order at 7:00.
 - a. Roll Call
Members present: White, Danz, Halverson, Butusov, Gottwald. Members Absent: Saltes and Beheler. Also present: Administrator Owen.
- 2) Agenda Items
 - a. Discussion: Debrief of February 15th Program
White informed the committee that around 40 people attended the presentation. He estimates a 40 minute presentation followed by 20 minutes of questions and answers. Overall, the committee felt the event went well. Discussion on improvements for next time include increased publicization, adding other organizations as co-sponsors.
 - b. Discussion/Consideration: topic and timing for next public program
The committee discussed the number of meetings to be held. The consensus was that fewer meetings with substantive information was desirable and they agreed to try quarterly events. The committee discussed tying the presentation to an action, so attendees really felt like they were getting something out of the event. Motion by Butusov, second by Halverson to have the next event around earth day and have a topic of environmental remediation and restoration. Motion carried.
 - c. Discussion/Consideration: Survey for SNR public input
White said that the library did a survey at the polling places on election day and it was well received. The committee was supportive of the idea. White will work with Gottwald to develop the survey questions for approval at the next meeting.
 - d. Planning Grant Update
Administrator Owen reported they should hear back in March or April on the success of the grant applicaton.
 - e. Discussion/Consideration: SNR Mount Horeb Mail Column
The consensus of the committee was to try to have a column in the Mount Horeb Mail every other month on sustainability-related items. White provided the first article, an introduction to the new commitee.

- f. Takeaways from 2023 Renew Summit
Butusov reviewed the sessions he attended at the renewable summit and provided links to presentations and handouts.
 - g. Discussion on Future Agenda Items
For the next meeting, a representative from WPPI will be present to discuss our renewable energy percentages, planning for the April event and finalizing the survey. Long-term ideas include extending invitations to school groups to attend.
 - h. Consideration of January 24, 2023 Meeting Minutes
Motion by Halverson to approve the January 24, 2023 meeting minutes, second by Gottwald. Motion carried.
- 3) Meeting adjournment.
Motion by Butusov to adjourn, second by Halverson. Motion carried at 7:44 p.m.



AGENDA ITEM REPORT

MEETING DATE

March 28, 2023

PREPARED BY

AGENDA ITEM # 2.b

Consideration: Proclamation recognizing No Mow May

BACKGROUND

Representatives of the Mounds View Garden Club have approached us about adopting a proclamation recognizing "No Mo May", an initiative to encourage people to now mow their lawn to leave beneficial plants and flowers for pollinators. A number of other Dane County Municipalities have recognized no mow may and this proclamation is based on one of those examples. If recommended for approval this will go to the Village Board at their April 5 meeting.

RECOMMENDATION

ATTACHMENTS

1. No Mow May Proclamation 2023



VILLAGE OF MOUNT HOREB A PROCLAMATION RELATING TO OBSERVANCE OF “NO MOW MAY

Whereas, there are more than 4,000 native bee species in North America, along with introduced honey bees; and

Whereas, bees are an essential part of ecosystems, pollinating many wild plants and allowing them to produce the seeds, nuts, and fruit that are vital food sources for wild animals; and

Whereas, bees are an essential part of agriculture, pollinating many of the cultivated foods people eat such that the health of bee populations directly impacts our food security; and

Whereas, bees have experienced population declines due to a combination of habitat loss, pesticides, disease, and climate change; and

Whereas, more than half of bee species in North America are in decline with 1 in 4 species at risk of extinction; and

Whereas, at least one bee species at risk of extinction, the federally endangered Rusty Patched Bumble Bee, lives in the Village of Mount Horeb; and

Whereas, municipalities have embraced their responsibility for conserving these important animals by taking steps to install and promote native and pollinator-friendly landscapes and reduce pesticide and herbicide use in their communities; and

Whereas, some municipalities, such as the City of Appleton, Wisconsin, have supported pollinator conservation, in part, through a “No Mow May” community science initiative that encourages property owners to limit their lawn mowing practices during the month of May to provide vital early spring flowers for bees that emerge from hibernation; and

Whereas, in 2020, 435 Appleton property owners registered for the initiative, which ended up providing 40 additional acres of land with food resources for pollinators; and

Whereas, the City of Appleton found that No Mow May lawns had a fivefold increase in bee abundance and a threefold increase in bee diversity in comparison to nearby parkland that was mowed regularly; and

Whereas, the City of Appleton found strong community enthusiasm with the majority of participants willing to continue this initiative and other pollinator friendly practices at their homes; and

Whereas, the Village of Mount Horeb is a leader in sustainability, recognizes that urban landscapes provide critical habitat for pollinators, and wishes to encourage its citizens to play an active role in conserving pollinators through the management of their own land; and

Now, therefore be it resolved, the Mount Horeb Village Board hereby proclaims May 1st – 31st, 2023 as “No Mow May” in the Village of Horeb, Wisconsin, and encourages all residents, businesses and property owners to refrain from mowing their property to promote pollinator-friendly habitat and awareness; and

Be it further resolved, the Mount Horeb Village Board encourages all residents, businesses and property owners to grow a variety of native plants that bloom across the season – early spring through fall – so that food resources are always available to pollinators, leave the leaves in yards through the fall to help provide winter nesting sites for bees, and refrain from using lawn or plant pesticides and herbicides that can harm or kill pollinators.

DATED this 5th day of April, 2023.

Randy Littel, Village President



AGENDA ITEM REPORT

MEETING DATE

March 28, 2023

PREPARED BY

AGENDA ITEM # 2.c

Discussion/Recommendation Pollinator Garden Promotion

BACKGROUND

A local citizen is requesting the village consider the adoption of a pollinator habitat ordinance allowing residents and businesses to grow and maintain pollinator garden habitats, promoting natural landscaping using native plants.

RECOMMENDATION

ATTACHMENTS

1. Request Mt H natural habitat ordinance
2. Mt h business habitat IMG_7691
3. Mt h business habitat IMG_7480
4. Mt h home pollinator habitat IMG_7489
5. mt H pollinator habitat IMG_7311

Citizen request for the Village of Mount Horeb Wisconsin to enact a natural habitat ordinance, allowing residents to grow and maintain pollinator garden habitats. We request the opportunity to have pollinator gardens on our own properties, enacted by ordinance without fear of condemnation or reprisals. Our yards can help sustain a healthy environment for pollinators and for ourselves.

We request that Mount Horeb enact an ordinance that promotes natural landscaping and the use of native plants, while emphasizing the need to limit uncontrolled plant growth on private and Village-managed property. The ordinance would give clear definitions of what constitutes a garden and planned natural landscapes, and will include the plants on the state and local noxious plant lists.

We request the Village of Mount Horeb join with other communities and organizations who are concerned about, and take actions, to help our pollinators and create healthy lawns and spaces. We request Mount Horeb write and enact a natural lawn and pollinator habitat ordinance similar to the City of Green Bay Wisconsin, whose ordinance is now a national model.

Mount Horeb has a municipal garden ordinance, which allows the growing of plants (including fruits and vegetables) as an accessory use to the primary use on the property for the enjoyment of the residents, with no regulations for this garden ordinance. Details can be found here: <https://ecode360.com/27693972?highlight=garden,gardening,gardens,vegetables,vegetation&searchId=38284392999691373>

Mount Horeb has a municipal lawn ordinance, which we request be modified to allow pollinator habitat gardens. Details can be found here: <https://ecode360.com/27692222?highlight=lawns&searchId=39384037742034116#27692222>

Local, state, and national ordinances and initiatives for native plants and pollinator habitat gardens are briefly explained below.

1. Local ordinances include the City of Green Bay WI natural lawn municipal ordinance, which is used as a national model. It defines *Garden* as a cultivated area dedicated to growing vegetables, fruits, annual and perennial plants, ornamental grasses, or groundcovers, vines, shrubs, or trees in a location with a defined edge or border; defines *Native plants* as those grasses (including prairie grasses), sedges (solid, triangular-stemmed plants resembling grasses), forbs (flowering broadleaf plants), vines, shrubs, groundcovers, and trees that are native to or naturalized to the State of Wisconsin. "Native plants" shall not include noxious weeds or noxious grasses (as defined in the ordinance and by the State of Wisconsin).

The City of Green Bay ordinance further defines types of plantings: 1. Plantings may include forbs, grasses, edible plants, shrubs, or trees. 2. Plantings may be designed as rain gardens with plantings and grading specifically designed to receive and infiltrate rainwater or clear water flows. 3. Plantings shall be deliberately selected and arranged as part of a coherent overall plan. Overgrowth of conventional turf grasses or weeds, or any other unmanaged vegetation growth, shall not constitute a planned natural landscaping area. 4. No species

identified on the Wisconsin Department of Natural Resources' Regulated Invasive Plants list, whether designated as Prohibited or Restricted, shall be permitted.

Detailed information on the City of Green Bay WI pollinator ordinance can be found here: https://library.municode.com/wi/green_bay/codes/code_of_ordinances?nodeId=COOR_CH24_NU_ARTIINUAB_DIV2CHNUPR_S24-84NOWEMAVE

The City of Sun Prairie WI has a Natural Lawn ordinance, details can be found here: https://library.municode.com/wi/sun_prairie/codes/code_of_ordinances?nodeId=COOR_TIT8H_ESA_CH8.28NALAPE

2. State ordinances and initiatives include the Minnesota pollinator program “Lawns to Legumes: Your Yard can BEE the Change”. Minnesota homeowners are encouraged, and given financial incentives, to change their turf-grass lawns into native plant pollinator habitats. The Lawns to Legumes program offers a combination of workshops, coaching, planting guides and cost-share funding (individual support grants) for installing pollinator-friendly native plantings in residential lawns. The program also includes demonstration neighborhoods, which are pollinator programs run by local governments and nonprofit organizations with support from the Minnesota Board of Water and Soil Resources, and a public education campaign to raise awareness about pollinator habitat. Details on grants, demonstration neighborhoods, public outreach and more can be found here: <https://bwsr.state.mn.us/l2l> or here <https://bwsr.state.mn.us/residential-pollinator-habitat>

Wisconsin Legislators introduced legislation to preserve and protect our irreplaceable and vitally important pollinators in 2021 with the Pollinator Protection Package.

Wisconsin pollinator information can be found from the WI Department of Natural Resources <https://dnr.wisconsin.gov/topic/endangeredresources/pollinators.html> and the WI Department of Agriculture, Trade, and Consumer Protection Pollinator Protection Plan <https://datcp.wi.gov/Documents/PPPComplete.pdf>

Native plant and natural habitat laws in other states, including Florida, Maryland, New Jersey, Pennsylvania, and Tennessee can be found here in the Native Plant Conservation Campaign newsletter: <http://nativeplantsocietyofus.org/native-plant-laws/native-plants/>

3. One of the most useful guides to native landscaping information and model ordinances is the National Wildlife Federation’s guide published in 2021: <https://www.nwf.org/-/media/Documents/PDFs/Mayors-Monarch-Pledge/NWF-Landscaping-Guide> This guide is for mayors, heads of local and tribal governments, municipal staff, homeowners’ associations, and others who want to promote the expansion of natural habitats in their communities. It provides case studies of cities that revised property maintenance ordinances to incentivize homeowners and other landowners to transform their land into healthy habitats. This guide also provides model ordinances and policies that can be adopted by any municipality across the country.

Background Information:

Why should Mount Horeb write and enact a native plant and pollinator habitat ordinance?

Creating and maintaining native plant pollinator habitats ensures survival for ourselves and for pollinators who include European honeybees, native bees, birds, bats, butterflies, moths, flies, beetles, and wasps. Many pollinator populations are imperiled and have been declining in recent years, including in Wisconsin. Wisconsin is an important place for pollinators, as 54 of our 72 counties are within the priority breeding area for monarch butterflies. We are a stronghold for the federally endangered rusty patched bumble bee, which in recent years has been found in Mount Horeb native plant gardens!

More than 80% of the world's flowering plants need a pollinator to reproduce. The agricultural, economic, and human food supply systems we depend on would be jeopardized without a thriving pollinator population, as most of our food comes from flowering plants. Wisconsin pollinator decline threatens our ecosystems, agricultural crops, and natural areas. Pollinators account for over \$85 million in Wisconsin crop production. In 2020 it was estimated that 1 of every 3 bites of food you take come from the help of pollinators!
<https://www.farmers.gov/blog/value-birds-and-bees>

A variety of factors contribute to pollinator decline including pollution, diseases, and changes in climate patterns, yet the chief causes are habitat loss and the misuse of pesticides and herbicides. Bipartisan pollinator protection legislation and ordinances can slow pollinator decline by acknowledging and promoting the importance of creating and maintaining pollinator habitat. Habitat creation includes intentional practices such as choosing native plants that host pollinator larval stages and provide nectar and pollen, avoiding cutting back perennials at the end of the growing season, and leaving leaf litter for insect egg laying and seasonal hibernation.

Pollinators require places with native plants to live and eat. Small patches or larger spaces with the appropriate plants can help increase and maintain pollinators, who can thrive alongside us if we provide habitat. Healthy, sustainable habitats provide the four basic elements of food, water, cover, and places to raise young.

The benefits of a native plant and pollinator habitat ordinance include:

1. Native plant landscaping and home vegetable gardens are good for our health. The less lawn you mow, the less air, water, and noise pollution you create. It is estimated that during the growing season, 56 million Americans mow 40 million acres of grass each week, an area eight times the size of New Jersey! Mowers, leaf blowers, and weed-whackers burn more than 800 million gallons of gasoline per year, contributing to the greenhouse gases that drive global warming. Gasoline spills that happen while filling the machines pollute the air and water. According to the Noise Pollution Clearinghouse, a typical gas-powered push mower emits 85 to 90 decibels for the operator (90-95 for riding lawnmowers).

2. Less lawn mowing means less use of fertilizer and pesticide applications, which creates cleaner air and water. Homeowners apply nearly 80 million pounds of pesticides to lawns in the United States each year, and use up to 10 times more pesticides per acre on their lawns than

farmers use on agricultural crops! During storms, lawn chemicals can be carried by runoff and wind, contaminating streams and wetlands many miles away. Native plants are often hardier than non-native ornamentals and can thrive without pesticides or fertilizers.

3. By planting native species and rain gardens, you save water and control flooding. According to the Environmental Protection Agency, 30 to 60% of fresh water in American cities is used for watering lawns. Native plants have adapted to thrive in their regional landscapes without added water or nutrients, so planting water-wise yards and native plants make sense. Planting different species of native flowering plants, shrubs, and trees creates layers of vegetation that deflect pounding rains, increasing the chance for water to be absorbed by your soil before running off into storm drains and streams.

4. Native plant gardens create healthy, colorful, and visually appealing areas that help pollinators. Native plant landscaping is not maintenance free, as invasive species are an ongoing issue in any garden. With careful planning and plant selection, native spaces that minimize time and money investments can be chosen. Native plants can help pollinators and birds adapt and survive amid a changing climate. More than half of North American bird species are threatened by climate change, and native plant habitats can help increase their resilience by giving them food and places to nest and rest. For more information on birds, a few National Audubon articles can be found here <https://www.audubon.org/climate/survivalbydegrees>

5. One way to reduce lawn mowing is through No Mow May or Low Mow Spring. No Mow May is a conservation initiative made popular by a United Kingdom organization called Plantlife, and has quickly been embraced in North America. The goal of No Mow May is to allow grass to grow unmown for the month of May, creating habitat and forage for early season pollinators. This is particularly important in urban areas where floral resources are often limited. Appleton Wisconsin became one of the first cities to enact a No Mow May ordinance in 2020. Find more information here at Bee City USA, No Mow May <https://beecityusa.org/no-mow-may/>

6. Creating, maintaining, and improving pollinator habitat can be done by ourselves, our schools, faith-based organizations, governments, and other property owners. Healthy yards can be part of the Pollinator Pathways Project, an ecological and social project with the goal to connect existing isolated green spaces and create a more hospitable environment for pollinators. A Pollinator Pathway can be initiated by individuals, municipalities or organizations. Each patch of restored native habitat can be thought of as a patch in the frayed fabric of the ecosystem, and by working together to create and maintain native habitats, we can turn a patchwork of green spaces into a quilt of restored habitat. More information can be found here at Pollinator Pathways <https://www.pollinator-pathway.org/>











AGENDA ITEM REPORT

MEETING DATE	PREPARED BY
March 28, 2023	

AGENDA ITEM # 2.d

Discussion/Presentation: Sustainable Energy Usage in Mount Horeb

BACKGROUND

RECOMMENDATION

ATTACHMENTS

None



AGENDA ITEM REPORT

MEETING DATE

March 28, 2023

PREPARED BY**AGENDA ITEM # 2.e**

Discussion on April 19 Sustain Dane/ SNR Program

BACKGROUND

Continue planning for the joint Sustain Dane/SNR Committee event

RECOMMENDATION**ATTACHMENTS**

None



AGENDA ITEM REPORT

MEETING DATE

March 28, 2023

PREPARED BY

AGENDA ITEM # 2.f

Review/Discuss SNR Survey for Election Day

BACKGROUND

Included in the packet is the original proposed survey questionnaire as well as a document with mark-ups by Kerry Beheler.

RECOMMENDATION

ATTACHMENTS

1. Questioner copy 3 (002)
2. kab edits SNR Questionnaire 21 march 23

This past winter, the MH village board formed the Sustainability and Natural Resources Committee. In doing so, we join nine other Dane County Communities in supporting and promoting sustainability in your community.

Were you aware of the Sustainability Committee before this survey? YES ☐ No ☐

If yes, where did you hear about it? _____

Between 1-10 are you excited by the new committee 1 2 3 4 5 6 7 8 9 10

Which Sustainability practices do you participate in on a regular basis {check all that apply}

- | | | | |
|---------------------------------|-----------------------|---|-----------------------|
| Use Low Energy Light Bulbs | ☐ | Grow your own food and garden | ☐ |
| Performed a home energy audit | ☐ | Compost food and yard waste | ☐ |
| Avoid using single use plastics | ☐ | Bike/walk/carpool to reduce vehicle use | ☐ |
| Drive a hybrid or EV | ☐ | Use geothermal energy for heating/Cooling | ☐ |
| Separate recyclables in waste | ☐ | Use solar or wind energy technology | ☐ |
| Provide Pollinator habitat | ☐ | Participate in Choose Renewable program | ☐ |

Which Statement best applies to you?

- | | | | |
|--|-----------------------|--|-----------------------|
| I care deeply about sustainability | ☐ | I act sustainably if its not too much trouble | ☐ |
| I act sustainably if its not too expensive | ☐ | Don't consider it sustainability as a priority | ☐ |

The Sustainability and Natural Resource committee will be hosting programs on Sustainable Practices. What programing would you be interested in? {Check all that apply}

- | | | | |
|-------------------------------------|-----------------------|--|-----------------------|
| Residential energy conservation 101 | ☐ | How to Provide pollinator habitat | ☐ |
| Residential solar technology | ☐ | Recycling and composting tips | ☐ |
| Residential wind energy | ☐ | Alternative transportation | ☐ |
| Residential geothermal (heat pump) | ☐ | Sustainability and village planning | ☐ |
| Food Security | ☐ | Sustainability in our schools | ☐ |
| Permaculture gardening practices | ☐ | Sustainability in our municipal facilities | ☐ |

Other _____

How likely are you to support a business based on its sustainability practices.?

- | | | | |
|------------------------|-----------------------|------------------------------|-----------------------|
| Its the primary factor | ☐ | Only if it doesn't cost more | ☐ |
| Very important | ☐ | Not Important to me | ☐ |

How important is it to you that your local government promote sustainability if its operations?

- | | | | |
|------------------------------|-----------------------|-------------------------------------|-----------------------|
| Very important. | ☐ | It should be one of several factors | ☐ |
| Only if it doesn't cost more | ☐ | It should not be considered | ☐ |

Thank You For Your Time!

Village of Mount Horeb Sustainability & Natural Resources Committee Survey

The Mt Horeb Village Board formed the Sustainability and Natural Resources Committee (SNR) in December 2023. We now join with 9 additional Dane County communities who support and promote sustainability for our communities.

Were you aware of the **Mt Horeb SNR** Committee before this survey? YES ☐ No ☐

If yes, where did you hear about it? _____

On a scale of 1-10 are you excited about the SNR? 1 2 3 4 5 6 7 8 9 10

Which Sustainability practices do you participate in on a regular basis {check all that apply}

- | | | | |
|---------------------------------|-----------------------|---|-----------------------|
| Use Low Energy Light Bulbs | ☐ | Grow your own food and garden | ☐ |
| Performed a Home Energy audit | ☐ | Compost food and yard waste | ☐ |
| Avoid using single use plastics | ☐ | Bike/walk/carpool to reduce vehicle use | ☐ |
| Drive a hybrid or EV | ☐ | Use geothermal energy for heating/Cooling | ☐ |
| Separate recyclables in waste | ☐ | Use solar or wind energy technology | ☐ |
| Provide Pollinator habitat | ☐ | Participate in Choose Renewable program | ☐ |

Which Statement best applies to you? **Choose one**

- | | | |
|--|---|-----------------------|
| I care deeply about sustainability | I act sustainably if it is not too much trouble | ☐ |
| I act sustainably if it is not too expensive | Don't consider sustainability as a priority | ☐ |

The SNR Committee will host public programs on Sustainable Practices. What programs interest you? {Check all that apply}

- | | | | |
|--|-----------------------|--|-----------------------|
| Residential energy conservation 101 | ☐ | How to Provide pollinator habitat | ☐ |
| Residential solar and wind technology | ☐ | Recycling and composting | ☐ |
| Alternative transportation Energy jobs | ☐ | and training | ☐ |
| Residential geothermal (heat pump) | ☐ | Sustainability and village planning | ☐ |
| Food Security for our community | ☐ | Sustainability in our schools | ☐ |
| Permaculture gardening practices | ☐ | Sustainability in our municipal facilities | ☐ |

Other _____

Do you support businesses based on their sustainability practices?

It is the primary factor

If it doesn't cost more

	☐		☐
Very important	☐	Not Important to me	☐

How important is it to you that your local government promote sustainability if its operations?

Very important	☐	It should be one of several factors	☐
Only if it doesn't cost more	☐	It should not be considered	☐

Thank You For Your Time!

Spring has arrived! The cold and snow of Winter will soon be a memory, as days of increasing sunlight and warmth awaken us. Green tips are seen tentatively poking above the thawing grounds, and colorful blooms will follow. The time to begin the garden growing season approaches!

Home vegetable gardening to grow our own fresh food is fun, and healthy for us and the environment. It saves on transportation, refrigeration and packaging costs. Mount Horeb has a municipal garden ordinance, which allows the growing of fruit and vegetable plants for the enjoyment of the property residents, with no regulations for this home garden ordinance. Details can be found in the Village municipal code.

Our yards can also sustain a healthy environment for native pollinators. Mount Horeb currently does not have a municipal ordinance that allows residents to grow and maintain native plant pollinator gardens. Such an ordinance would promote natural landscaping and the use of native plants, while emphasizing the need to limit uncontrolled plant growth. The ordinance would give clear definitions of what constitutes planned natural landscapes, and would not allow plants on the state noxious plant lists.

Why should we have a native plant pollinator habitat ordinance? Creating, maintaining, and allowing this ensures survival for ourselves and for pollinators who include European honeybees, native birds, bats, butterflies, moths, bees, flies, beetles, and wasps. Many pollinator populations are imperiled and have been declining in recent years, including in Wisconsin. We are an important place for pollinators, as 54 of our 72 counties are within the priority breeding area for monarch butterflies. We are a stronghold for the federally endangered rusty patched bumble bee, which has been found in recent years in Mount Horeb native plant gardens!

More than 80% of the world's flowering plants need a pollinator to reproduce. The agricultural economic and human food supply systems we depend on would be jeopardized without a thriving pollinator population, as most of our food comes from flowering plants. Wisconsin pollinator decline threatens our ecosystems, agricultural crops, and natural areas. Pollinators account for over \$75 million in Wisconsin crop production. In 2020 it was estimated that 1 of every 3 bites of food you take come from the help of pollinators!

Native plant landscaping and home vegetable gardens are good for our health. The less lawn you mow, the less air, water, and noise pollution you create. During the growing season, Americans mow 40 million acres of grass each week, an area eight times the size of New Jersey! Mowers, leaf blowers, and weed-whackers burn more than 800 million gallons of gasoline each year, contributing to greenhouse gases that drive global warming. Gasoline spills while filling the machines pollute the air and water. According to the Noise Pollution Clearinghouse, a typical gas-powered push mower emits 85 to 90 decibels for the operator (90-95 for riding lawnmowers).

Less lawn mowing means less fertilizer and pesticide use, which creates cleaner air and water. Homeowners apply nearly 80 million pounds of pesticides to U.S. lawns each year, and use up to 10 times more pesticides per acre on their lawns than farmers use on agricultural crops! During storms, lawn chemicals can contaminate streams and wetlands. Native plants are often hardier than non-native ornamentals, and can thrive without pesticides or fertilizers.

By planting native species, you save water and control flooding. According to the Environmental Protection Agency, 30 to 60% of fresh water in American cities is used for watering lawns. Native plants have adapted to thrive in their regional landscapes without added water or nutrients. Planting different species of native flowering plants, shrubs, and trees creates layers of vegetation that deflect pounding rains, increasing the chance for water to be absorbed by your soil before running off into storm drains and streams.

One way to reduce lawn mowing is through No Mow May or Low Mow Spring. No Mow May is a conservation initiative made popular by a United Kingdom organization called Plantlife, and has quickly been embraced in North America. The goal of No Mow May is to allow grass to grow unmown for the month of May, creating habitat and forage for early season pollinators. This is particularly important in urban areas where floral resources are often limited. Appleton Wisconsin became one of the first cities to enact a No Mow May ordinance in 2020. Find more information here at Bee City USA, No Mow May <https://beecityusa.org/no-mow-may/>

Native plant pollinator gardens create healthy, colorful, and visually appealing areas. Native plant landscaping is not maintenance free, as invasive species are an ongoing issue in any garden. With careful planning and plant selection, native spaces that minimize time and money can be chosen. Habitat provided by native plants can help pollinators and birds adapt and survive amid a changing climate. More than half of North American bird species are threatened by climate change, and native plants can help increase their resilience by giving them food and places to rest and nest. For more information, National Audubon articles can be found here <https://www.audubon.org/climate/survivalbydegrees>

Creating and maintaining pollinator habitat can be done by ourselves, our schools, faith-based organizations, governments, and other property owners. Healthy yards can be part of the Pollinator Pathways Project, an ecological and social project with the goal to connect existing isolated green spaces for pollinator habitat. A Pollinator Pathway can be initiated by individuals, municipalities or organizations. Each patch of restored native habitat can be thought of as a patch in the frayed fabric of the ecosystem, and by working together to create and maintain native habitats, we can turn a patchwork of green spaces into a quilt of restored habitat. More information can be read here on Pollinator Pathways <https://www.pollinator-pathway.org/>

Mount Horeb can join with other local, state, and national communities and organizations who are concerned about, and take actions, to help our pollinators and create healthy lawns and garden spaces. We can write and enact a natural lawn, native plant pollinator habitat ordinance similar to the City of Green Bay WI, whose ordinance is now a national model. There are some

great resources for reading more about pollinators and how to best protect and provide habitat for them. If you are interested in creating and maintaining native plant pollinator habitat, and to share your views, please contact the Mount Horeb Sustainability and Natural Resources committee. Happy Spring to all the creatures!



AGENDA ITEM REPORT

MEETING DATE

March 28, 2023

PREPARED BY

AGENDA ITEM # 2.h

Update on Energy Innovation Grant Program Application

BACKGROUND

Dan Streit from Slipstream informed us that we were not selected for the EIGP. Unfortunately, OEI was only able to select about 21 percent of the proposed projects for funding and ours was not chosen to move forward. He indicated he felt we had a strong application and they would like to continue to work with us on this project and will look for alternatives.

Chair White reached out to Kathy Kunz. She recommended that we start collecting our energy use data, create an energy start portfolio manager account and upload our data so we can get some benchmarks on how we compare to other municipalities. She feels there will be other opportunities for funding through the Inflation Reduction Act.

RECOMMENDATION

ATTACHMENTS

1. EIGP selections 2023

PUBLIC SERVICE COMMISSION OF WISCONSIN

Memorandum

March 6, 2023

FOR COMMISSION AGENDA

TO: The Commission

FROM: Joe Fontaine, Administrator
Tara Kiley, Deputy Administrator
Joe Pater, Director, Office of Energy Innovation
Olivia Shanahan, Supervisor, State Energy Office
Caitlin Curtis, Energy Projects Coordinator
Division of Digital Access, Consumer, and Environmental Affairs

RE: 2022 Energy Innovation Grant Program Funded by a Grant 9709-FG-2022
Awarded by the Department of Energy, SEP-Formula, on
July 27, 2009

Suggested Minute:

The Commission took note of concerns regarding the eligibility of the Vernon County Energy District (#127) grant application and found that (it met/it did not meet/it was not necessary to rule on) the eligibility requirements of the program and (accepted and considered/did not accept or consider) the filing.

The Commission reviewed the applications for 2022 Energy Innovation Grants and (determined which applicants should receive a grant award/remanded the matter back to Commission staff for additional investigation).

Background

The Energy Innovation Grant Program (EIGP) is a grant program implemented by the Public Service Commission of Wisconsin's (Commission) Office of Energy Innovation (OEI). The EIGP furthers the mission of the OEI through a broad program scope covering a variety of energy-related projects. The program is funded by the 2009 American Recovery and Reinvestment Act federal funds that were awarded as a grant through the U.S. Department of Energy (U.S. DOE) State Energy Program (SEP). The Commission established the EIGP at the

open meeting of November 16, 2017, when it decided to repurpose the repaid funds from a previous financial assistance program, the Clean Energy Manufacturing Revolving Loan Fund into a grant program. ([PSC REF#: 334218.](#)) The Commission then also obtained the necessary approvals from the U.S. DOE.

In its Order issued in this docket on October 25, 2022, the Commission established the program design of the EIGP 2022 grant round, establishing elements including (1) eligible applicant types; (2) eligible activity categories; (3) maximum grant requests for such activities; and (4) an annual budget. ([PSC REF#: 450221.](#))

On October 31, 2022, OEI released the “Energy Innovation Grant Program 2022 Application Instructions” specifying an application due date of January 30, 2023 and providing instructions consistent with the Commission’s order. ([PSC REF#: 450820.](#)) OEI staff also held an informational webinar for prospective applicants on November 15, 2022, made webinar materials and other resources available on the Commission website, and provided additional outreach. OEI received 135 applications¹. A nine-member review panel² reviewed the applications. The review panel recommends 28 of those applications for funding. The purpose of this memorandum and the review panel’s recommendations herein is to provide an informed analysis and opinion regarding the relative merits and eligibility of the grant applications and structure including an organized index and visual materials to facilitate the Commission’s review.

Additional references are also attached. Attachment 1 provides a merit order list of grant applications by activity with a brief project description, link to the application documents, and

¹ Two applications were rescinded as shown on Attachment 1: 9709-FG-2022 All Applications in Merit Order.

² The review panel consisted of: Scott Bloedorn, Keith Cronin, Eric Gredell, Colton Bushey, Laurie Lensmire, Tom Nowakowski, Kari Heinrich, Mitch Horrie, and Adam Ingwell.

funding recommendation for each project. Attachment 2 illustrates the geographic location of all grant applications along with those recommended for funding. Attachment 3 provides an overview of previous grant recipients that have applied in this grant round. Attachment 4 provides an overview of grant applicants that have submitted multiple applications in this grant round and highlights those which have been recommended for funding.

Funding Available

In its Order of October 25, 2022, the Commission established an allotment of \$10 million for the 2022 grant round with maximum grant requests and total funds available for each eligible activity as shown in Table 1. ([PSC REF#: 450221.](#))

Table 1. Annual Budget and Available Funds per Activity

Activity	Maximum Grant Request	Approved Available Funds per Activity
1. Renewable Energy and Energy Storage	See below	\$4,473,684
Renewable Energy Systems (other than Solar PV Systems)	\$500,000	
Solar PV Systems	\$250,000	
Energy Storage System	\$250,000	
Renewable Energy Systems with Energy Storage	\$500,000 (Solar PV) \$750,000 (all other Renewable Energy)	
Level 3 Microgrid Implementation	\$750,000	
2. Energy Efficiency and Demand Response	\$1 million	\$4,473,684

Activity(Continued)	Maximum Grant Request	Approved Available Funds per Activity
3. Comprehensive Energy Planning & Feasibility Studies for Microgrids	See below	\$1,052,632
Planning Efforts	\$50,000 for Single Eligible Applicant \$100,000 for Two Eligible Applicants \$150,000 for Three Eligible Applicants \$200,000 for Four or More Eligible Applicants	
Feasibility Studies for Microgrids	\$50,000 for Level 1 & Level 2 Microgrids \$100,000 for Level 3 Microgrid	
Total		\$10 million

The review panel's recommendations discussed in this memorandum, and summarized in Attachment 1, assume that the Commission intends to award up to the full \$10 million allotment for the current grant round, consistent with the available funds per activity shown in Table 1. Total grant requests in each of the three eligible activities substantially exceeded available funds. The recommendations would fully expend funds within each respective activity by applying funds to meet the full allowable grant request of applications in merit order and recommending partial awards for projects where available funds for their placement in the merit order would not be sufficient to fulfill their full grant request.

Applications Received

Overview of All Applications

135 applications were received with the sum of the grant requests totaling \$42,348,361. Individual grant requests ranged from \$15,000 to \$1 million. Additional application data is provided below.

Table 2. Summary of All Applications by Applicant Type and Activity Type

Applicant Type	Activity Type			
	Activity-1 Renewable Energy and Energy Storage	Activity-2 Energy Efficiency and Demand Response	Activity-3 Comprehensive Energy Planning	Total
501(c)(3)	18	12	10	40
Municipality	9	6	10	25
K-12 School District	7	6	5	18
Manufacturer	4	11	-	15
County	3	3	3	9
Village	4	2	2	8
Wisconsin Technical College System	3	2	1	6
Tribe	1	-	4	5
Municipal Utility	1	2	-	3
University of Wisconsin System	1	1	1	3
Town	3	-	-	3
Hospital	-	-	-	-
Total	54	45	36	135
Percent of Total	40%	33%	26%	
Sum of Grant Request	\$18,522,606	\$20,738,051	\$3,087,705	\$42,348,361
Funds Available	\$4,473,684	\$4,473,684	\$1,052,632	\$10,000,000

Application Eligibility Matters

Eligibility parameters for applicants and activities were discussed in the Application Instructions, Section 1.2.2. ([PSC REF#: 450820](#) at page 2). Ineligible activities were itemized in Application Instructions, Section 1.2.3. ([PSC REF#: 450820](#) at page 6). Additionally, the Application Instructions specified a number of circumstances that could render an application or

filing ineligible, such as late filing. Applications were due January 30, 2023, at 4:00 pm CT to the PSC Grants system.

The Vernon County Energy District (#127) was identified for a Commission determination of eligibility of project scope and grant request amount. The filing was readily available for the evaluation process and included for the review panel to give it a full merit review.

Vernon County Energy District applied under Activity 3 for a project titled “Vernon County Comprehensive Energy Planning and Microgrid Feasibility Study” and requested \$253,283. The applicant-provided brief description is as follows:

Expand pilot energy district initiatives in comprehensive energy planning, technology transfer, and market transformation in rural WI. Partner with municipal utilities to conduct feasibility study for Level 3 microgrid, and explore potential of community solar and solar + storage.

The project proposal combines two eligible subcategory types and therefore exceeds the overall maximum grant request for a project under Activity 3 (\$200,000 for a consortium of four or more applicants applying for a Comprehensive Energy Plan, and \$50,000 for a Level 1 or 2 Microgrid Feasibility Study). Neither Commission staff nor the review panel can make an eligibility determination in EIGP, and thus consistent with past practice, this project was rated among its applicant-selected activity category (Activity 3).

The review panel deemed the project meritorious and recommended it for funding at a partial amount, if deemed eligible by the Commission. The Commission may find that the project was not eligible because it exceeded the overall maximum grant request for a project in its activity category. Alternatively, the Commission could accept the panel’s recommendation and partially fund the project at the maximum amount allowable under one of the subcategories Activity 3 (either for \$200,000 for a Comprehensive Energy Plan for a consortium of applicants,

or \$50,000 for a microgrid feasibility study). Limiting the project to one of the subcategory maximums, would increase available funding for other Activity 3 projects by \$53,283 to \$200,000. The Commission could also consider funding the project at its full grant request of \$253,283.³

Commission Alternatives - Application Eligibility – Vernon County Energy District

Alternative One: Deem that Vernon County Energy District’s application is eligible for consideration of funding.

Alternative Two: Deem that Vernon County Energy District’s application is not eligible for consideration of funding.

Alternative Three: Determine that it is not necessary to rule on the eligibility of Vernon County Energy District’s application.

Applications That Have Received a Prior EIGP Award

There are no existing rules precluding a past applicant or grant recipient of the EIGP program to apply for another grant, nor is there a scoring preference in favor of either repeat applicants or new applicants. As such the review panel did not take prior awards into consideration when scoring applications. However, the Commission may take notice of repeat applicants when considering award options. In a situation where all other factors are largely equal, the Commission may choose to consider past performance on prior awards, give a slight preference to applicants that have leveraged previous Commission investment for a new

³ Attachment 1: 9709-FG-2022 All Applications and Attachment 2: Map of Applications Recommended for Funding show this project as fully funded.

effort, pursue a more equitable distribution of grant funds to applicants that have not previously been awarded EIGP funds, or some other factor.

In this grant round, twenty applicants have received a prior award. Nine of those applicants are recommended for funding in this round. Eight of the applicants have a single project recommended for funding in this round. One of the applicants has two projects recommended for funding in this round. Attachment 3 contains a reference chart summarizing the prior awards and newly proposed projects.

Multiple Applications from a Single Applicant

This is the second grant round where the Application Instructions allowed an applicant to submit up to one application in each activity for a total of three applications. Seventeen applicants submitted more than one application. Of those, four are recommended for one award for one of their applications, and two are recommended for multiple awards on more than one application. Attachment 4 contains a reference chart summarizing the applicants that submitted multiple applications.

Evaluation Methodology

The merit review criteria was designed to give equal opportunity to all applicant types. Projects were assessed in comparison to projects in the same category. Merit review criteria included the following: eligibility and ability to achieve the objectives, budget justification and cost contributions or “match”, savings and payback, energy savings and environmental impact, equity and energy justice, financial leverage and economic impact, existing energy planning efforts, energy resiliency, education and awareness, and innovation. ([PSC REF#: 450820](#) at page 12).

A nine-member review panel⁴ reviewed the applications. The review panel included Commission staff from OEI, representing both the Focus on Energy and State Energy Program Teams, the Office of Environmental Analysis, and the Division of Energy Regulation and Analysis; as well as external participants from Aptim Government Solutions, LLC (“APTIM”) (the Focus on Energy Program Administrator). Review panel members were selected based on their respective areas of expertise and perspectives acquired through work with various eligible applicants in both regulatory and non-regulatory settings.

The review panel considered both the eligibility and merit of the applications and ranked them to facilitate the Commission’s own review. To assist the Commission, the team’s preliminary evaluation results are incorporated in the section titled “Discussion of the Grant Applications Recommended for Funding.” The Commission is not bound by the recommendations of the review panel, but the scoring of a particular project may be one of several considerations that the Commission may consider when determining awards.

Discussion of the Grant Applications Recommended for Funding

Of the 135 applications, 28 have been recommended for funding by the review panel. Three partial awards were recommended based on the availability of funds for each activity. Table 3 contains a summary, and projects are discussed individually in this section, in merit order.

⁴ The review panel consisted of: Scott Bloedorn, Keith Cronin, Eric Gredell, Colton Bushey, Laurie Lensmire, Tom Nowakowski, Kari Heinrich, Mitch Horrie, and Adam Ingwell.

Table 3. Summary of Recommendations

Activity	No. of projects recommended	Grant amount
Activity 1: Renewable Energy and Energy Storage	10 (9 full, 1 partial)	\$4,473,684
Activity 2: Energy Efficiency and Demand Response	9 (8 full, 1 partial)	\$4,473,684
Activity 3: Comprehensive Energy Planning & Microgrid Feasibility Studies	9 (8 full, 1 partial)	\$1,052,632
Total	28	\$10 million

Activity 1: Renewable Energy and Energy Storage, in Merit Order**City of Sun Prairie (#61)**

This application proposes to install a Level 3 Microgrid at the Sun Prairie Public Library, building on the microgrid feasibility study awarded an EIGP grant, and completed in 2022. The proposed project would install a 584kW solar PV system & 108kWh battery electric energy storage microgrid.

Madison Area Technical College (#107)

This application proposes to install a solar PV system and battery storage system in Madison College's Protective Services Building. The proposed project would install a 180kW solar PV system & 400kWh of battery electric storage.

Southwest Wisconsin Technical College (#184)

This application proposes to install a solar PV and battery storage system at Southwest Wisconsin Technical College. The proposed project would install a 329kW solar PV system & 125kW of battery electric storage spread across 19 buildings on campus.

Village of Viola (#118)

This application proposes to install a solar PV and battery electric storage system within the Village of Viola, near the largest employer in the community. The proposed project would install a 500kW solar PV system & 440kWh of battery electric storage.

City of Antigo (#165)

This application proposes to install a solar PV and battery electric system at its Springbrook wastewater treatment plant. The proposed project would install a 350kW solar PV system & 125kW of battery electric storage.

Lac du Flambeau Chippewa Housing Authority (#64)

This application proposes to install a solar PV and battery electric storage system at the Elks Point West multi-family building. The project would install a 36kW solar PV system & 132kW of battery electric storage.

Village of McFarland (#77)

This application proposes to install a Level 3 Microgrid at the Net-Zero Public Safety Center. The proposed project would install a 100kW battery electric storage microgrid to support emergency first responders for the village and surrounding areas.

City of Appleton (#208)

This application proposes to install two waste heat-to-power generators for utilizing a currently flared source of methane gas at the Appleton Wastewater Treatment Plant. The proposed project would install system offsetting approximately 5 percent of annual energy usage at the treatment plant.

Wisconsin Housing Preservation Corp-Tanglewood-Kenosha LLC (#262)

This application proposes to install a rooftop solar array and battery electric storage system at the Tanglewood Apartments, an affordable housing property in Kenosha, WI. The proposed project would install a 113kW solar PV system & 75kW of battery electric storage.

Wisconsin Housing Preservation Corp-Villa West-Green Bay LLC (#271)

This application proposes to install a microgrid at the Villa West Senior Apartments affordable housing campus. The proposed project would install two systems; a 14kW solar PV system & 75kWh battery, and a 30kW solar PV & 92.5kWh battery. The systems would reduce operating costs and provide a minimum of 8 hours backup and a maximum of 72 hours for 100 percent of tenant and common loads.

Activity 2: Energy Efficiency and Demand Response, in Merit Order

Revitalize Milwaukee (#173)

This application proposes to weatherize up to 100 residential homes in Milwaukee and Waukesha County, focused on low-income residents, including veterans, people with disabilities and seniors. The proposed project would result in up to 100 homes receiving either (1) attic insulation & air sealing work, (2) furnace replacements to high efficiency (96% AFUE), especially fuel oil furnaces, or (3) installing rigid fire-rated half-wall basement insulation to cover above grade and frost-line areas. The applicant proposes to leverage Focus on Energy incentives and other federal funding opportunities.

ATI Ladish LLC (#114)

This application proposes to design and build a heat recovery system to recover heat from a furnace stack to preheat combustion air. The proposed project would save 7,800 dekatherms of natural gas for the manufacturer.

City of Sun Prairie (#80)

This application proposes a collaboration between Sun Prairie Area School District, City of Sun Prairie, & WPPI Energy for an energy conservation and community energy education platform, which would result in real time energy monitoring for 14 school district facilities and 12 municipal facilities. The installation of this technology would allow for a variety of benefits including measurable energy conservation strategies, peak demand analysis and reduction, improved operation and maintenance capabilities, and the ability to educate students and the community.

Foremost Farm USA (#237)

This application proposes a multilayered heat-recovery project that would reduce natural gas consumption by 470,000 therms/year, reduce electric consumption by 725,000 kWh/year, and reduce emissions from its facility by 2,832 metric tons CO₂ equivalent. The proposed project includes significant capital and controls improvements that would improve steam boiler efficiency and install three heat recovery systems to preheat boiler feed water and preheat process water.

Washburn Iron Works (#110)

This application proposes to install an induction furnace integrated with automation that will reduce the energy demand required to process a ton of iron by 28%, reducing annual greenhouse gas (GHG) emissions by nearly 1500 metric tons. This proposed project would utilize the latest induction melting technologies, automated equipment to improve process efficiencies, heat recovery, and demand management.

Dairyland Power Cooperative (#95)

This application proposes to interconnect two existing microgrids which are owned by the Bad River Tribe in Ashland County and integrate them with Dairyland's new Demand Response Management System. This integration would provide benefit to the grid and economic benefit to the Bad River Tribe. The project would also allow Dairyland and its member cooperatives to learn and plan for future microgrid integration on their systems.

City of Menomonie (#65)

The City of Menomonie is proposing a project to update the HVAC temperature control systems in City Hall. The project would enable staff to remotely monitor equipment to reduce energy usage and improve the process in maintaining the system. The city's mechanical contractor has designed the equipment upgrades with future expansion in mind and to allow for any major mechanical equipment changes in the future.

Rockwell Automation Inc (#248)

This application proposes to perform a HVAC and lighting control upgrade replacing older mechanical controls in two of this manufacturer's largest facilities. The calculated energy savings is estimated at 6.5M kWh per year. During implementation, the project will be measured by actual cost compared to projected cost and the performance against the completion schedule. Following completion, the performance will be measured by the electricity usage and benchmarked against past data.

WHPC-Tanglewood-Kenosha (#256)

This application proposes to implement energy efficiency upgrades including heat pumps, lighting, and attic insulation within a 100-unit multifamily building complex. Operational savings is expected to be a 28% reduction, estimated at \$54,000, annually.

Activity 3: Comprehensive Energy Planning & Microgrid Feasibility Studies, in Merit Order

Vernon County Energy District (#127)

This application proposes to conduct a feasibility study for a Level 3 Microgrid and study the potential of community solar & storage. The project is a collaborative partnership of Vernon County, the Villages of La Farge and Viola, the Town of Stark and the City of Viroqua. The project would facilitate implementation of clean energy and efficiency technologies in communities disproportionately affected by climate change and maximize the benefits of such efforts with ongoing engagement of diverse stakeholders.

Osseo-Fairchild School District (#211)

The application proposes an energy planning effort with an emphasis on market transformation planning. In August 2022, the district opened the doors to a new Technical Education center with robotics, welding, and other tools to help students advance their skills. To further this mission, the school district wants to integrate renewable energy courses into its framework to educate students on specific technologies and skills essential to the industry and provide real-world experiences and certifications.

Wisconsin Housing Preservation Corp (#259)

This application proposes to build upon planning work previously conducted by WHPC. It will incorporate the impact of different rates and tariffs on operating costs for affordable housing, especially when combined with battery storage. The proposed project would also identify opportunities for new revenues from ancillary services and measure resilience benefits and explore additional financing mechanisms.

Bad River Band of Lake Superior Tribe of Chippewa Indians (#194)

The application proposes to build on a Microgrid Feasibility Study which was approved for SEP funding under docket 9705-FG-2020 and completed in June of 2022. ([PSC REF#: 455219](#)). The conclusion of that study showed that detailed engineering study would be necessary as a next step to advance the concept of a reservation-wide microgrid. The applicant is proposing to partner with Bayfield Electric Coop and Dairyland Power Coop to model how a large solar photovoltaic plus battery storage asset would impact the Bayfield Electric distribution system and what upgrades might be necessary to accommodate that asset.

Marquette University (#176)

The application proposes to undertake a feasibility study of a utility-operated, networked geothermal system to serve Marquette University and the nearby region. Six partner institutions will contribute to this project, which includes both an engineering feasibility study and an investigation into institutional agreements. The proposed project would inform energy planning for Marquette University and has the potential to establish a new low-carbon business model for energy utilities.

Elevate Energy (#66)

This application proposes to engage three Wisconsin First Nations in a year-long due diligence and planning process to develop energy efficiency and clean energy programs that are culturally relevant and meet the needs of Tribal communities. The outcome would be a program design, funding plan, and implementation manual that is inclusive of workforce opportunities and can serve as the basis for delivering the program to other Tribal nations in Wisconsin through the Great Lakes Indian Housing Association.

City of Middleton (#229)

This application proposes to deploy data mapping software to kickstart building electrification projects with an environmental justice focus. The software tool would enable the City to; prioritize projects based on selected data parameters and goals, predict which buildings are likely to benefit from energy and cost savings after energy efficiency upgrades and pair building retrofits with funding, grants and financing.

Common Wealth Development Inc (#240)

This application proposes a collaborative partnership between Common Wealth Development (CWD), Elevate, and Sustain Dane, all nonprofits with missions to preserve and improve equity in affordable housing. The partners would assess CWD's housing portfolio and develop a comprehensive energy plan. This proposed project would include energy and water audits, solar and battery storage assessments, and utility tracking to develop a long-term energy, water, and resilience roadmap to reach CWD's property goals and preserve affordable housing.

City of Altoona (#139)

This application proposes to perform a Level 3 Microgrid Feasibility Study to develop microgrid options for the planned East Neighborhood in the City of Altoona. The proposed project would also include developing a draft cooperative governance and operations agreement for stakeholders. Further, the project will identify potential funding sources and recommendations for the next steps.

Commission Alternatives – 2022 Energy Innovation Grant Award Determinations

Alternative One: Determine that certain applications for 2022 Energy Innovation Grants should receive a grant award and the amount of the awards.

Alternative Two: Remand the matter back to Commission staff for additional investigation.

JF:TK:JP:OS:CC:kle DL: 01927064

Attachment 1 – All Applications By Activity and Merit Order
Attachment 2 – Geographic Location of All Grant Applicants
Attachment 3 – Overview of Previous Grant Recipients Applying for Grant
Attachment 4 – Overview of Applicants Filing Multiple Applications

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
Activity-1 : Renewable Energy and Energy Storage								
61	1	City of Sun Prairie	457589	Level 3 Microgrid Implementation	584kw Solar PV & 108kWh Battery Electric Storage Microgrid	\$748,476.00	\$1,219,260.00	\$1,967,736.00
107	2	Madison Area Technical College	457871	Renewable Energy System with Energy Storage System	180kW Solar PV & 400kWh Battery Electric Storage System	\$500,000.00	\$260,000.00	\$760,000.00
184	3	Southwest Wisconsin Technical College	458155	Renewable Energy System with Energy Storage System	329kW Solar PV & 125kW Battery Electric Storage System	\$500,000.00	\$364,000.00	\$864,000.00
118	4	Village of Viola	458144	Solar PV System with Energy Storage System	500kW Solar PV & 440kW Battery Electric Storage System	\$500,000.00	\$912,000.00	\$1,412,000.00
165	5	City of Antigo	457304	Solar PV System with Energy Storage System	350kW Solar PV & 125kWh Battery Electric Storage System	\$490,000.00	\$1,051,695.00	\$1,541,695.00
64	6	Lac du Flambeau Chippewa Housing Authority	458011	Solar PV System with Energy Storage System	32kW Solar PV & 132kWh Battery Electric Storage System	\$413,349.00	\$35,000.00	\$448,349.00
77	7	Village of McFarland	458119	Level 3 Microgrid Implementation	100kW Battery Electric Storage Microgrid	\$350,000.00	\$255,000.00	\$605,000.00
208	8	City of Appleton	457388	Renewable Energy System (Non-Solar PV)	Installation of (2) Waste Heat-to-Power generators utilizing methane gas	\$498,000.00	\$377,000.00	\$875,000.00

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
262	9	WHPC- Tanglewood- Kenosha, LLC	458039	Renewable Energy System with Energy Storage System	113kW Solar PV & 75kWh Battery Electric Storage System	\$430,700.00	\$44,900.00	\$475,600.00
271	10	WHPC-Villa West-Green Bay	458104	Renewable Energy System with Energy Storage System	14kW Solar PV & 75kWh Battery Electric Storage and 30kW Solar PV & 92.5kWh Battery Electric Storage	\$373,000.00 (Partial Award of \$43,159.00)	\$35,050.00	\$408,050.00
226	11	County of Green	458163	Level 3 Microgrid Implementation	300-400kW Solar PV system & 125-175kWh battery storage	\$750,000.00	\$686,854.00	\$1,436,854.00
87	12	Outagamie County (Appleton International Airport)	457712	Solar PV System with Energy Storage System	85kW Solar PV & 100kWh battery storage	\$500,000.00	\$100,000.00	\$600,000.00
221	13	Aurora Health Care Inc	458087	Level 3 Microgrid Implementation	300kW Solar PV & Battery Electric Storage System	\$717,000.00	\$543,577.00	\$1,260,577.00
265	14	Great Lakes Community Conservation Corps Inc	457799	Renewable Energy System with Energy Storage System	Data analysis for existing Solar PV & install 100 kiosks & establish operating plan.	\$200,970.00	\$86,750.00	\$287,720.00
85	15	Wisconsin Heights School District	457051	Solar PV System	415kW Solar PV	\$250,000.00	\$850,000.00	\$1,100,000.00
59	16	Northeast Wisconsin Technical College	457397	Renewable Energy System with Energy Storage System	Expand solar energy production and onsite energy storage	\$498,060.00	\$92,046.00	\$590,106.00

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
261	17	Common Wealth Development	457747	Solar PV System	36.4 kW Solar PV	\$224,090.00	\$28,410.00	\$252,500.00
209	18	Bayfield County	457705	Solar PV System with Energy Storage System	140.23kW Solar PV & 19.2kW battery storage & 10 EV charging stations.	\$500,000.00	\$470,555.00	\$970,555.00
189	19	Couillard Solar Foundation	457793	Renewable Energy System with Energy Storage System	Create a Community Resilience Center and Microgrid.	\$750,000.00	\$345,124.00	\$1,095,124.00
254	20	Slipstream Group Inc	457727	Solar PV System with Energy Storage System	20kW Solar PV & 88kWh (20kW) battery	\$476,659.00	\$47,200.00	\$523,859.00
178	21	City of La Crosse	458134	Energy Storage System	Install battery energy storage system, advanced microgrid controls, and system enhancements.	\$250,000.00	\$577,719.23	\$827,719.23
109	22	Gunderson Lutheran Medical Foundation	457758	Renewable Energy System with Energy Storage System	340kW Solar PV & 1,000kWh Battery Electric Storage System	\$500,000.00	\$3,689,733.00	\$4,189,733.00
215	23	Solon Springs School District	457594	Renewable Energy System with Energy Storage System	Develop a microgrid at K-12 school buildings	\$500,000.00	\$304,515.00	\$804,515.00
169	24	Meister Cheese Company	457696	Solar PV System	500kW Solar PV	\$250,000.00	\$860,435.00	\$1,110,435.00
210	25	Bayview Foundation	457354	Solar PV System	72.2kW Solar PV & 49kW AC inverters	\$208,563.00	\$45,594.00	\$254,157.00
267	26	New Auburn School District	457999	Renewable Energy System with Energy Storage System	Update power source to include Solar PV	\$234,400.00	\$43,171.00	\$277,571.00

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
125	27	Nordik Meats LLC	457986	Solar PV System with Energy Storage System	120kW Solar PV & 186kWh battery storage	\$300,000.00	\$285,000.00	\$585,000.00
212	28	School District of Abbotsford	458067	Solar PV System	Create and install Solar PV on an outdoor Classroom Canopy	\$234,400.00	\$43,171.00	\$277,571.00
167	29	Town of La Pointe	456684	Energy Storage System	Add on to existing solar PV arrays to create a level-2 microgrid	\$250,000.00	\$57,669.00	\$307,669.00
250	30	McFarland School District	457970	Solar PV System	300kW Solar PV	\$211,250.00	\$442,910.00	\$654,160.00
123	31	City of West Bend	457842	Solar PV System	120kW Solar PV	\$241,384.00	\$167,741.00	\$409,125.00
195	32	City of Edgerton	457166	Renewable Energy System with Energy Storage System	Solar PV 31.2 kW + BESS (8 kW and 18 kWh), & EV charging station	\$113,200.00	\$40,099.00	\$153,299.00
175	33	Centro Hispano, Inc.	457839	Renewable Energy System with Energy Storage System	Implement geothermal heating and cooling, solar array, ERVs, enhanced efficiency measures, stormwater reuse system, etc in home designs	\$880,295.00	\$20,405.00	\$900,700.00
192	34	Stanley Boyd School District	457450	Solar PV System	100kW Solar PV	\$234,400.00	\$43,171.00	\$277,571.00
260	35	Wisconsin Housing Preservation Corp	458001	Renewable Energy System with Energy Storage System	64kW Solar PV & 50kWh Battery Electric Storage	\$354,750.00	\$39,100.00	\$393,850.00
168	36	City of Altoona	457885	Renewable Energy System with Energy Storage System	25kW Solar PV & Battery Electric Storage	\$148,952.88	\$72,666.32	\$221,619.20

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
62	37	Fincantieri Marine Group LLC	457469	Solar PV System	194.4kW Solar PV	\$120,000.00	\$269,093.34	\$389,093.34
132	38	Hydrite Chemical Company	457406	Solar PV System	182kW Solar PV	\$250,000.00	\$182,860.00	\$432,860.00
269	39	School District of Neillsville	458112	Solar PV System	100kW Solar PV	\$234,400.00	\$43,171.00	\$277,571.00
74	40	St. Paul's Lutheran Church	458141	Solar PV System	115kW Solar PV system.	\$70,000.00	\$190,000.00	\$260,000.00
159	41	City of Onalaska	457804	Renewable Energy System with Energy Storage System	Develop a Solar PV roof top and parking log canopy system with 40kWh BESS.	\$400,000.00	\$205,000.00	\$605,000.00
197	42	Boys & Girls Club Oshkosh WI	457739	Solar PV System	36kW Solar PV	\$68,740.00	\$29,460.00	\$98,200.00
193	43	Coleman School District	457927	Solar PV System	98.4kW Solar PV	\$174,275.00	\$100,023.00	\$274,298.00
233	44	Eau Claire	457258	Renewable Energy System	Pair existing biogas CHP system and emergency generators with Solar PV and battery backup.	\$750,000.00	\$1,400,000.00	\$2,150,000.00
186	45	Trinity Lutheran Church	457367	Solar PV System	24.25kW Solar PV	\$18,031.40	\$54,093.60	\$72,125.00
180	46	Friends of Hearthstone Inc	457882	Solar PV System with Energy	19.2kW Solar PV & 88kWh battery storage	\$182,923.00	\$45,152.00	\$228,075.00
170	47	University of Wisconsin-Parkside	457640	Renewable Energy System (Non-Solar PV)	Water treatment and mitigation.	\$485,126.00	\$56,840.00	\$541,966.00
263	48	Town of Naples	457874	Solar PV System	8.1kW Solar PV	\$41,608.00	\$4,622.00	\$46,230.00
217	49	County of Eau Claire	457655	Solar PV System	80kW ground-mounted Solar PV	\$250,000.00	-	\$250,000.00
222	50	Saint Norbert College	458188	Solar PV System	75-100kW roof-mounted Solar PV	\$250,000.00	-	\$250,000.00

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
120	51	City of Tomah Public Works and Utilities	456451	Solar PV System	568kW DC ground mounted Solar PV	\$250,000.00	\$885,000.00	\$1,135,000.00
106	52	Group Health Cooperative of SCW	457342	Solar PV System	64kW Solar PV	\$100,000.00	\$29,600.00	\$129,600.00
270	53	Somerset Police Department	458194	Solar PV System with Energy Storage System	Deploy EV Charging with Solar PV and battery storage	\$100,000.00	-	\$100,000.00
257	54	Town of Naples	457879	Renewable Energy System (Non-Solar PV)	Install new geothermal HVAC system	\$111,780.00	\$12,420.00	\$124,200.00
185	55	Village of Stoddard	457020	Solar PV System	19kW Solar PV	\$33,824.00	\$18,584.40	\$52,408.40

Activity-2 : Energy Efficiency and Demand Response

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
173	1	Revitalize Milwaukee	458185	Energy Efficiency and Demand	Provide energy efficiency upgrades to approx.100 homes	\$1,000,000.00	\$1,878,000.00	\$2,878,000.00
114	2	ATI Ladish LLC	457376	Energy Efficiency and Demand	Design/build a heat recovery system	\$400,000.00	\$407,654.15	\$807,654.15
80	3	City of Sun Prairie	457473	Energy Efficiency and Demand	Energy Conservation & Community Energy education platform— real time energy monitoring	\$77,730.98	\$26,177.92	\$103,908.90
237	4	Foremost Farms USA	457493	Energy Efficiency and Demand	Improve steam boiler efficiency + install three heat recovery systems	\$750,000.00	\$919,791.00	\$1,669,791.00

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
110	5	Washburn Iron Works	457548	Energy Efficiency and Demand	Install an induction furnace	\$1,000,000.00	\$765,934.73	\$1,765,934.73
95	6	Dairyland Power Cooperative	457337	Energy Efficiency and Demand	Interconnect two existing microgrids + implement microgrid management	\$187,500.00	\$77,900.00	\$265,400.00
65	7	City of Menomonie	457654	Energy Efficiency and Demand	HVAC upgrade	\$141,025.00	\$80,470.00	\$221,495.00
248	8	Rockwell Automation Inc	457603	Energy Efficiency and Demand	HVAC upgrade + lighting control upgrade.	\$766,000.00	\$766,000.00	\$1,532,000.00
256	9	WHPC-Tanglewood-Kenosha	457953	Energy Efficiency and Demand	Upgrade homes to be more electricity efficient.	\$938,400.00 (Partial Award of \$151,428)	\$423,000.00	\$1,361,400.00
238	10	School District of Belleville	457424	Energy Efficiency and Demand	Building automation systems upgrade.	\$457,400.00	\$53,482.00	\$510,882.00
253	11	Wisconsin Housing Preservation Corp	457911	Energy Efficiency and Demand	Upgrade multiple homes to be more electricity efficient.	\$993,280.00	\$423,000.00	\$1,361,400.00
200	12	City of Madison, Monona Terrace	458204	Energy Efficiency and Demand	Upgrade numerous items to be more energy efficient.	\$1,000,000.00	\$256,937.97	\$1,256,937.97
236	13	Waukesha Foundry Inc	458131	Energy Efficiency and Demand	Ladle preheating station optimization	\$160,000.00	\$132,000.00	\$292,000.00

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
161	14	American Foods Group LLC	457983	Energy Efficiency and Demand	Transition to an all-electric Tractor + a 300kW inductive charging system.	\$371,949.00	\$371,950.98	\$743,899.98
190	15	University of Wisconsin Eau Claire	457258	Energy Efficiency and Demand	Chiller System upgrade	\$560,000.00	\$140,000.00	\$700,000.00
234	16	Habitat for Humanity of Dane County	457545	Energy Efficiency and Demand	Produce two demonstration projects for indoor air quality for electricity vs natural gas.	\$205,750.00	\$13,450.00	\$219,200.00
112	17	Milwaukee Jewish Federation Inc	457943	Energy Efficiency and Demand	Install LEDs + install heat pump chillers + replace existing boiler.	\$1,000,000.00	\$2,700,555.00	\$3,700,555.00
201	18	Sun Prairie Utilities	457579	Energy Efficiency and Demand	Design Geothermal system.	\$800,000.00	\$2,653,870.00	\$3,453,870.00
246	19	Nestle USA Inc	458165	Energy Efficiency and Demand	Install Electric Truck Terminal.	\$609,435.00	\$203,145.00	\$812,580.00
52	20	Chippewa Falls Area Unified School District	457008	Energy Efficiency and Demand	Install tunable LEDs.	\$800,535.00	\$141,271.00	\$941,806.00
220	21	Lakeside Foods Inc	457487	Energy Efficiency and Demand	Waste heat recycling technology.	\$58,750.00	\$58,750.00	\$117,500.00
243	22	Parkview School District	457770	Energy Efficiency and Demand	HVAC system upgrade + LED lighting upgrade.	\$990,000.00	\$8,753.00	\$998,753.00
171	23	Oshkosh Defense LLC	457848	Energy Efficiency and Demand	HVAC upgrade	\$20,000.00	\$38,590.00	\$58,590.00

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
203	24	Vernon County Historical Society	457528	Energy Efficiency and Demand	HVAC air source heat pump upgrade	\$460,000.00	\$27,200.00	\$487,200.00
100	25	Arandell Corporation	457198	Energy Efficiency and Demand	Replace existing steam boiler system with a hot water boiler system.	\$264,936.35	\$372,341.91	\$637,278.26
199	26	Southeast WI Professional Baseball Park District	457522	Energy Efficiency and Demand	Replace a failing centrifugal chiller.	\$250,000.00	\$400,000.00	\$650,000.00
89	27	Community Relations-Social Development Commission	457639	Energy Efficiency and Demand	Scale up electrification- ready homes for installment of sustainable energy systems.	\$1,000,000.00	-	\$1,000,000.00
172	28	Beneficial Electrification League	457929	Energy Efficiency and Demand	Develop and implement a strategy focused on reducing the energy burden and create a roadmap for incentive implementation.	\$471,160.89	\$80,778.50	\$551,939.39
166	29	Green New Deal Housing	457785	Energy Efficiency and Demand	Install Solar PV systems + implement energy efficiency upgrades.	\$402,411.00	\$31,500.00	\$433,911.00
108	30	School District of Denmark	457289	Energy Efficiency and Demand	Install LEDs.	\$427,159.93	\$26,293.20	\$453,453.13
133	31	Hydrite Chemical Company	457421	Energy Efficiency and Demand	Install LEDs and motion sensors.	\$68,000.00	\$109,499.97	\$177,499.97
55	32	Fox Valley Technical College	457150	Energy Efficiency and Demand	HVAC upgrade	\$157,401.66	\$157,401.66	\$314,803.32

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
162	33	City of West Bend	457842	Energy Efficiency and Demand	Install a Variable Frequency Drive (VFD) control system + 2 new hot water boilers.	\$390,600.00	\$288,400.00	\$679,000.00
266	34	JT School District NO 2 Etal Wauzeka-Steuben School District	458123	Energy Efficiency and Demand	HVAC system upgrade	\$180,034.00	\$169,767.00	\$349,801.00
153	35	County of Florence	457115	Energy Efficiency and Demand	Replace 3 boilers + Upgrade to a more efficient digital automated system	\$400,000.00	\$225,000.00	\$625,000.00
239	36	Saint Norbert College	458191	Energy Efficiency and Demand	LEDs upgrade	\$300,000.00	\$55,400.00	\$355,400.00
214	37	Washington Island Electric Cooperative Inc	457236	Energy Efficiency and Demand	Upgrade primary and secondary electrical infrastructure and install 3 EV chargers.	\$118,360.00	\$75,338.64	\$193,698.64
111	38	Village of Stoddard	456618	Energy Efficiency and Demand	Install LED lights and poles.	\$315,000.00	\$45,000.00	\$360,000.00
235	39	Lake Country School District	457718	Energy Efficiency and Demand	Chiller upgrade	\$252,732.00	\$1,750.00	\$254,482.00
158	40	Rice Lake Utilities	457606	Energy Efficiency and Demand	Install LEDs in streetlights and pedestrian lights.	\$312,500.00	\$312,500.00	\$625,000.00
152	41	Center for Energy and Environment	457735	Energy Efficiency and Demand	Establish the Wisconsin Efficient Buildings Collaborative	\$75,000.00	-	\$75,000.00
67	42	City of Prescott	457161	Energy Efficiency and Demand	Install standby generators at City Well houses.	\$30,000.00	\$30,000.00	\$60,000.00

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
163	43	Manitowoc County	457266	Energy Efficiency and Demand	Upgrade boiler plant + associated pneumatic control systems.	\$560,000.00	\$30,000.00	\$590,000.00
54	44	Village of Bonduel	453346	Energy Efficiency and Demand	Install a level 2 EV charging station.	\$15,000.00	\$5,000.00	\$20,000.00
122	Rescinded	Western Technical College	458036	Energy Efficiency and Demand	Install a commercial microgrid on main campus.	\$1,000,000.00	\$2,700,500.00	\$3,700,555.00
Activity-3 : Comprehensive Energy Planning								
ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
127	1	Vernon County Energy District	458050	Comprehensive Planning – Multiple Applicants	Conduct a feasibility study for Level 3 microgrid + explore potential of community solar and storage.	\$253,282.00	\$161,737.87	\$415,020.37
211	2	Osseo-Fairchild School District	457629	Comprehensive Planning-Market Transformation	Conduct a Comprehensive Energy Planning with an emphasis on Market Transformation.	\$50,000.00	\$89,433.00	\$139,433.00
259	3	Wisconsin Housing Preservation Corp	457979	Feasibility Studies for Level 1 or 2 Microgrid	Planning building upon previous planning work.	\$90,880.00	\$23,000.00	\$113,800.00
194	4	Bad River Band of Lake Superior Tribe of Chippewa Indians	457745	Feasibility Study for Level 3 Microgrid	Develop plan to understand the impact a microgrid would on the Bayfield Electric distribution system.	\$100,000.00	\$63,845.00	\$163,845.00

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
176	5	Marquette University	457863	Comprehensive Planning – Multiple Applicants	Conduct a feasibility study of a utility-operated, networked geothermal system.	\$200,000.00	\$163,982.00	\$363,982.00
66	6	Elevate Energy	457669	Comprehensive Planning – Multiple Applicants	Net Zero Planning project with 3 Wisconsin First Nations.	\$160,650.00	\$50,000.00	\$210,650.00
229	7	City of Middleton	457860	Comprehensive Planning – Single Applicant	Develop Data mapping software for building electrification projects.	\$50,000.00	\$16,649.00	\$66,649.00
240	8	Common Wealth Development Inc	457680	Comprehensive Planning – Multiple Applicants	Develop a Comprehensive Energy Plan and assess CWD's housing portfolio.	\$95,625.00	\$20,000.00	\$115,625.00
139	9	City of Altoona	457899	Feasibility Study for Level 3 Microgrid	Complete a study to develop alternative microgrid options.	\$84,000.00 (Partial Award of \$52,194.50)	\$20,000.00	\$104,000.00
272	10	Oregon School District	458198	Comprehensive Planning – Single Applicant	Conduct a deep-dive analysis of the Forest Edge Elementary School multi-asset microgrid.	\$50,000.00	\$10,280.00	\$60,280.00
60	11	City of Sun Prairie	456915	Comprehensive Planning – Single Applicant	Create a Public Services Campus	\$50,000.00	\$175,000.00	\$225,000.00
227	12	Aurora Health Care Inc	458095	Comprehensive Planning – Single Applicant	Develop a comprehensive energy plan targeting the highest energy intensity sites.	\$50,000.00	\$35,577.00	\$85,577.00
206	13	Bayfield County	457609	Comprehensive Planning – Single Applicant	Develop a Comprehensive Electric Vehicle Charging Plan.	\$20,320.00	\$18,050.00	\$38,370.00

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
228	14	Midwest Renewable Energy Association	457567	Comprehensive Planning – Multiple Applicants	Develop a curriculum to empower solar contractors to help WI households for home electrification.	\$139,729.00	\$8,354.00	\$148,083.00
188	15	Neenah Joint School District	457458	Comprehensive Planning – Single Applicant	Create a long-term energy efficiency planning program.	\$50,000.00	\$619,520.00	\$669,520.00
249	16	Slipstream Group Inc	457663	Comprehensive Planning – Multiple Applicants	Create a statewide collaboration leveraging ICLEI tools.	\$190,000.00	\$28,000.00	\$218,000.00
137	17	Red Cliff Band of Lake Superior Chippewa Indians	457830	Comprehensive Planning – Single Applicant	Complete a Comprehensive Energy Plan to assist Tribe with future efforts and investments.	\$48,418.00	\$14,950.00	\$63,368.00
251	18	City of Tomah	457701	Comprehensive Planning – Single Applicant	Conduct a city-wide Electric Vehicle (EV) charging station siting analysis.	\$36,000.00	\$9,000.00	\$45,000.00
255	19	Community Development Authority of the City of Madison	458074	Feasibility Study for Level 3 Microgrid	Develop microgrid parameters.	\$98,000.00	\$13,850.00	\$111,850.00
181	20	Vermont Energy Investment Corporation	457851	Comprehensive Planning – Multiple Applicants	Evaluate a ESB performance and provide customized technical assistance.	\$200,000.00	\$30,600.00	\$230,600.00
196	21	Board of Regents of the University of WI System	457464	Comprehensive Planning – Single Applicant	Develop an energy plan by conducting a two-phase study of the main UW Oshkosh campus.	\$50,000.00	\$73,648.00	\$123,648.00

Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
264	22	Village of Mount Horeb	457812	Comprehensive Planning – Single Applicant	Conduct a community-wide energy planning project.	\$50,000.00	\$14,500.00	\$64,500.00
128	23	Green County Development Corporation	457477	Comprehensive Planning – Single Applicant	Develop an Energy Plan.	\$131,500.00	\$15,760.00	\$147,260.00
247	24	City of Menasha	457617	Comprehensive Planning – Multiple Applicants	Create a Comprehensive Energy Plan.	\$99,500.00	\$15,200.00	\$114,700.00
202	25	City of Platteville	457876	Comprehensive Planning – Multiple Applicants	Create a Comprehensive Energy Plan between the City of Platteville and the Platteville School District.	\$50,000.00	\$11,700.00	\$61,700.00
241	26	City of Stevens Point	457607	Comprehensive Planning – Multiple Applicants	Develop a Comprehensive Energy Plan vital to their combined communities' resiliency.	\$99,800.00	\$17,655.00	\$117,455.00
76	27	Village of McFarland	458182	Comprehensive Planning – Multiple Applicants	Comprehensive Energy Planning between Village of McFarland and McFarland School District.	\$90,000.00	\$20,000.00	\$110,000.00
58	28	Milwaukee Board of School Directors	457442	Comprehensive Planning – Single Applicant	Develop a Comprehensive Sustainability Action Plan.	\$50,000.00	\$15,700.00	\$65,700.00
86	29	County of Outagamie (Appleton International Airport)	457646	Comprehensive Planning – Single Applicant	Conduct an Electric Vehicle (EV) Infrastructure Planning Report.	\$50,000.00	\$10,000.00	\$60,000.00

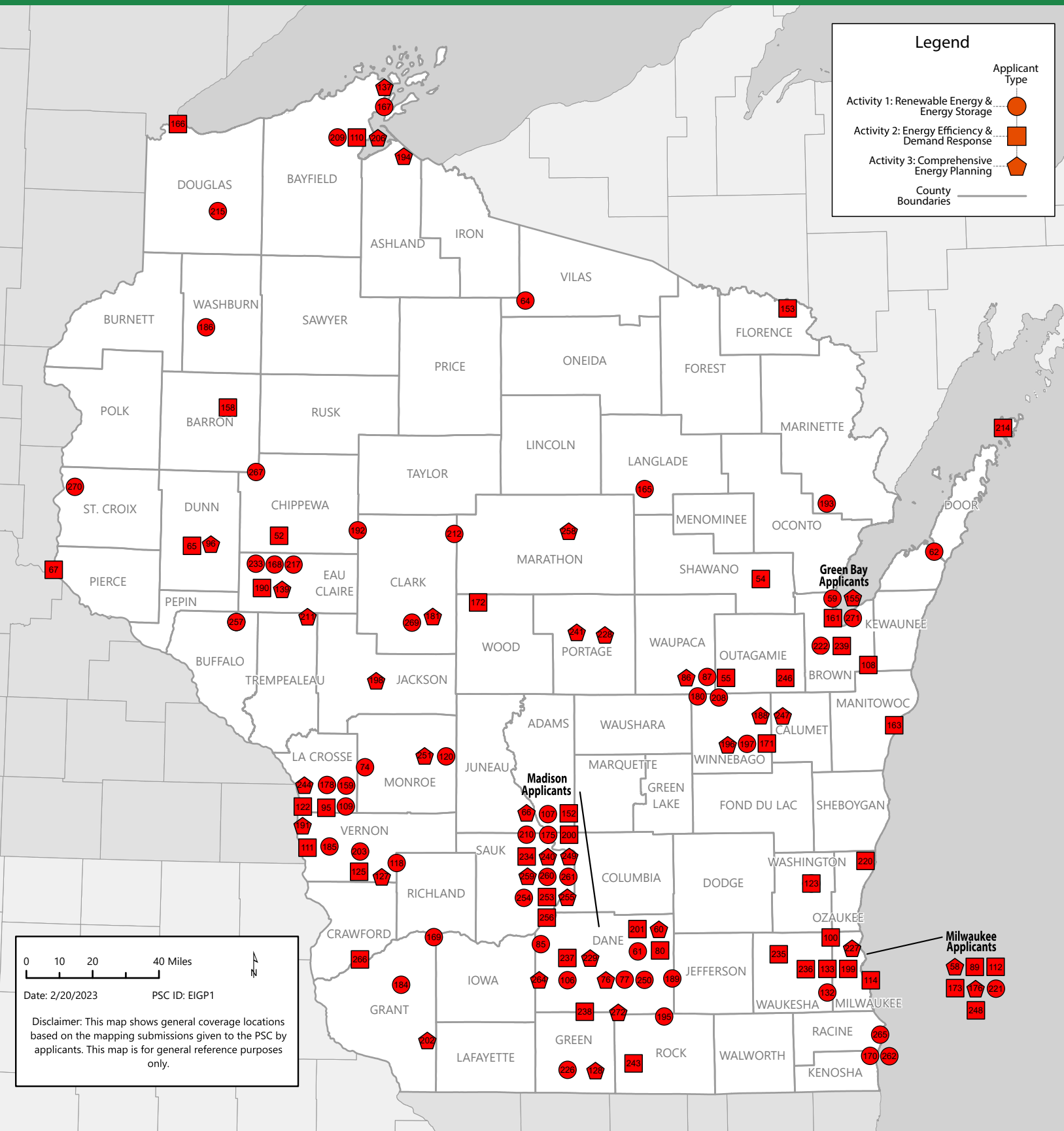
Attachment 1: 9709-FG-2022 All Applications in Merit Order

ID # and Map Label	Merit Order	Applicant Name	PSC REF #	Project Type	Scope Details	Grant Request/ Proposed Award	Match Amount	Project Total
198	30	Ho-Chunk Nation	457564	Comprehensive Planning – Multiple Applicants	Planning efforts to introduce microgrids.	\$200,000.00	-	\$200,000.00
244	31	City of La Crosse	458134	Comprehensive Planning – Single Applicant	Conduct planning to identify EV infrastructure to support EV 2030 goals.	\$50,000.00	\$4,964.00	\$54,964.00
155	32	Oneida Nation	457168	Feasibility Studies for Level 1 or 2 Microgrid	Conduct a Comprehensive Feasibility study.	\$50,000.00	\$40,000.00	\$90,000.00
258	33	City of Wausau	458192	Comprehensive Planning – Single Applicant	Develop plan that collects data related to energy needs for a new drinking water treatment facility.	\$50,000.00	\$206,000.00	\$256,000.00
96	34	Dunn County	457822	Comprehensive Planning – Single Applicant	Conduct a Comprehensive Energy Plan to determine energy consumption in county owned buildings.	\$50,000.00	-	\$50,000.00
191	Rescinded	Western Technical College	458028	Feasibility Studies for Level 1 or 2 Microgrid	Conduct a feasibility study to determine microgrid.	\$50,000.00	\$72,550.00	\$122,550.00

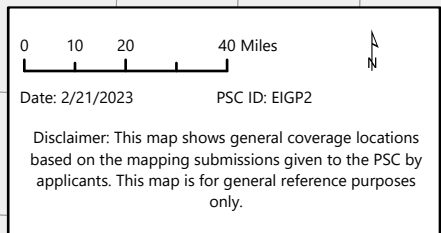
2022 ENERGY INNOVATION GRANT PROGRAM

ALL APPLICATIONS

Presented by the Office of Energy Innovation



Presented by the Office of Energy Innovation



Previous Recipients (Highlighted Applicants/Projects Recommended for Funding)	EIGP 2018 Awards				EIGP 2020 Awards				EIGP 2021 Awards				EIGP 2022 Applications		
									(Note: A majority of 2021 projects experienced delayed start dates that began in Fall of 2022)						
	Grant Award	Activity	ERF #	% Complete	Grant Award	Activity	ERF #	% Complete	Grant Award	Activity	ERF #	% Complete	Activity	ERF #	Grant Request
Altoona, City of									\$81,220	Renewable Energy	428911	10%	Renewable Energy	457885	\$148,952
													Comprehensive Planning	457899	\$84,000
ATI Ladish									\$325,000	Process Efficiency	429645	30%	Building Energy Efficiency	457376	\$400,000
Bayfield, County of	\$133,989	Renewable Energy & Transportation	347407	100%	\$273,714	Renewable Energy with Energy Storage	403280	10%	\$225,000	Renewable Energy with Energy Storage	428887	10%	Renewable Energy with Energy Storage	457705	\$20,320
													Comprehensive Planning	457609	\$500,000
Board of Regents, University of Wisconsin					\$57,500	Building Energy Efficiency	403279	100%					Comprehensive Planning	457464	\$50,000
Eau Claire, County of									\$143,076	Renewable Energy	428957	10%	Solar PV s	457665	\$250,000
Edgerton, City of									\$96,000	Comprehensive Planning	428826	30%	Renewable Energy with Energy Storage	457166	\$113,200
Foremost Farms USA					\$200,000	Process Efficiency	403344	90%					Building Energy Efficiency	457493	\$750,000
Great Lakes Community Conservation Corp					\$13,200	Renewable Energy with Energy Storage	403166	25%					Renewable Energy with Energy Storage	457799	\$200,970
Madison, City of	\$129,300	Transportation	397900	100%	\$246,595	Energy Efficiency	403461	75%	\$322,897	Building Energy Efficiency	428979		Building Energy Efficiency	458204	\$1,000,000
Middleton, City of					\$212,000	Building Energy Efficiency	403401	50%	\$442,800	Renewable Energy with	428975	10%	Comprehensive Planning	457860	\$50,000
North East Wisconsin Technical College									\$250,000	Energy Storage	428677	10%	Renewable Energy with Energy Storage	457397	\$498,060
Red Cliff Band of Lake Superior Chippewa					\$158,200	Renewable Energy with Energy Storage	403466	25%					Comprehensive Planning	457830	\$48,418
Revitalize Milwaukee									\$500,000	Building Energy Efficiency	428964	10%	Building Energy Efficiency	458185	\$1,000,000
School District of Denmark									\$277,485	Building Energy Efficiency	428080	45%	Building Energy Efficiency	457289	\$427,160
Slipstream Group Inc.									\$99,965	Comprehensive Planning	428997	25%	Renewable Energy	457727	\$476,659
													Comprehensive Planning	457663	\$190,000

Southwest Wisconsin Tech College									\$50,000	Comprehensive Planning	429002	15%	Renewable Energy with Energy Storage	458155	\$500,000
Sun Prairie, City of									\$59,000	Renewable Energy	428816	10%	Level 3 Microgrid	457589	\$748,476
										Building Energy Efficiency	457473				
									\$131,488	Building Energy Efficiency	428722	30%	Comprehensive Planning	456915	\$50,000
Vernon County Energy District					\$78,068	Comprehensive Planning	403446	100%					Comprehensive Planning	458050	\$253,283
Wisconsin Housing Preservation Corp.					\$99,000	Comprehensive Planning	403444	98%	\$1,040,200	Renewable Energy with Energy Storage	428973	10%	Renewable Energy with Energy Storage	458001	\$354,750
													Building Energy Efficiency	457911	\$993,280
													Beneficial Electrification	428919	10%
Waukesha Foundry Inc.									\$60,000	Process Efficiency	428947	10%	Building Energy Efficiency	458131	\$160,000

Attachment 4 – Summary of Applicants with Multiple 2022 Applications

Applications recommended for funding are highlighted yellow

Applicant	Activity 1	Activity 2	Activity 3
City of Sun Prairie	X	X	X
Village of McFarland	X		X
County of Outagamie (Appleton International Airport)	X		X
Hydrite Chemical Co.	X	X	
City of Altoona	X		X
City of West Bend	X	X	
Bayfield County	X		X
Saint Norbert College	X	X	
Aurora Health Care Inc	X		X
Common Wealth Development Inc	X		X
Town of Naples	X (2)		
Wisconsin Housing Preservation Corp	X	X	X
City of La Crosse	X		X
Slipstream Group Inc.	X		X
Village of Stoddard	X	X	
Western Wisconsin Technical College		X	X

Attachment 4 – Summary of Applicants with Multiple 2022 Applications

WHPC – Tanglewood-Kenosha LLC	X	X	
----------------------------------	---	---	--

DL: 01858628