

VILLAGE OF MCFARLAND **Sustainability & Natural Resources** *NOTICE OF PUBLIC MEETING*
Committee

Monday, January 9, 2023

6:00 PM

McFarland Municipal Center
Community Room

AGENDA

You are invited to this meeting through a Zoom webinar. The public may attend in-person or remotely through the webinar or telephone options listed below.

PLEASE CLICK THE LINK BELOW TO JOIN THE ZOOM WEBINAR:

<https://us02web.zoom.us/j/85120458074>

Or by Telephone: +1 (312) 626-6799

Webinar ID: 851 2045 8074

Press *9 to raise/lower hand. Press *6 to mute/unmute.

1. CALL TO ORDER, ROLL CALL.

2. PUBLIC APPEARANCES.

- a. This is an opportunity for members of the public to address the Sustainability and Natural Resources Committee for items that are not on the agenda. Please remember this is a hybrid meeting conducted in person and through the Zoom online meeting platform. Meeting attendees wishing to address the Committee about items not on the agenda may do so at this time. Zoom attendees should type their name and address in the Question and Answer feature within the Zoom online meeting platform at this time. Members of the public who are present in person and wish to address the Committee should fill out a public comment form and turn into the meeting chairperson. When you are called upon to speak, state your name, address, and provide your comments to the Committee for their consideration. Please adhere to the 3-minute time limit. Additionally, you may send your public comments to sustainability@mcfarland.wi.us to be included as part of the meeting.

Members of the public may also speak during their selected agenda item as they designate on the public comment form or in the Question and Answer feature on Zoom.

3. APPROVAL OF MINUTES.

- a. Discussion and action regarding the minutes from the Sustainability and Natural Resources meeting held on November 14, 2022.

4. BUSINESS.

- a. Discussion and action to make a recommendation to the Village Board regarding the Lewis Park lake access plan
- b. Discussion and possible recommendation to the Village Board regarding the joint Village of McFarland and McFarland School District Community Hosted Solar Program for parcel 154/0710-354-8341-1.
- c. Discussion and possible action on recommendation to the Village Board regarding submittal of two OEI Energy Innovation Grant Program Applications for a joint comprehensive energy plan with McFarland School District and Battery Storage Systems to be located at the Public Safety Center, 6001 Broadhead St, McFarland, WI

5. SCHEDULE NEXT MEETING DATE.

- a. Monday, February 13, 2023 at 6:00 p.m.

6. ADJOURNMENT.

Any person who has a qualifying disability as defined by the Americans with Disabilities Act that requires the meeting or materials at the meeting to be in an accessible location or format should contact the McFarland Municipal Center at (608)838-3153, 5915 Milwaukee Street, McFarland, Wisconsin, or village.clerk@mcfarland.wi.us by 2:00 p.m. at least 5 business days prior to the meeting so that any necessary arrangements can be made to accommodate each request. If the meeting or request is less than 5 business days from the meeting, requests for accommodations may still be made and reasonable efforts will be made to accommodate each request.

VILLAGE OF MCFARLAND

Sustainability & Natural Resources Committee Minutes

Monday, November 14, 2022 - 6:00 PM

1. CALL TO ORDER, ROLL CALL.

Trustee Flaherty called the regular meeting of the Sustainability & Natural Resources Committee to order at 6:00 PM in the Community Room of the Municipal Center. This meeting was also held via Zoom webinar.

Members present: Michael Flaherty, Edward Wreh, David Wilson, Darrel Waldera, Judy Taber (arrived at 6:05 p.m.), Angela Freedman, Kitty Brussock (arrived at 6:05 p.m.)

Members not present: Bruce Fischer

Staff Present: Sayer Larson, Kong Thao, Phil McDade, parks consultant Blake Theisen

2. PUBLIC APPEARANCES.

- a. *This is an opportunity for members of the public to address the Sustainability & Natural Resources Committee. Please remember this is a virtual meeting conducted through the Zoom online meeting platform. Zoom meeting attendees wishing to address the Committee may do so using the Question and Answer feature within the Zoom online meeting platform. You may state your name, address, and provide your comments to the Committee for their consideration. Members of the public who are present in person and wish to address the Committee should fill out a public comment form and turn into the meeting chairperson. Members of the public may speak during public appearances or during their selected agenda item as they designate on the public comment form. Please adhere to the 3-minute time limit. Additionally, you may send your public comments to sustainability@mcfarland.wi.us to be included as part of the meeting.*

None.

3. APPROVAL OF MINUTES.

- a. *Discussion and action regarding the minutes from the October 10, 2022 Sustainability and Natural Resources meeting.*

Motion by Wreh, second by Freedman, to approve the minutes of the October 10, 2022 Sustainability and Natural Resources Committee. Motion carries 5 - 0 - 0 by acclamation.

4. BUSINESS.

- a. *Discussion regarding implementing a No Mow May or Low Mow May Ordinance.*

The committee discussed the village providing free "No mow May" signs to residents to encourage limited mowing during the spring pollination season. Committee chairman Flaherty said the village board has tentatively approved \$500 for signs for the 2023 budget year. Committee members discussed putting a QR code on the signs so residents can learn more about limited mowing. Committee members also asked whether portions of the village's public park areas can be limited for mowing in the spring. Larson said he would look into limited mowing of some public park spaces, but also said the public has an expectation that park and other public spaces will be mowed for community use. The

committee took no action on the agenda item.

b. Discussion and possible action to submit the Village's Green Tier Annual Report to the Wisconsin Department of Natural Resources.

The committee discussed the village's participation in the state Green Tier program, which is designed to share best practices among communities in Wisconsin about sustainability and environmental protection. Motion by Freedman, second by Wreh, to submit the Village's Green Tier Annual Report to the Wisconsin Department of Natural Resources. Motion carries 7 - 0 - 0 by acclamation.

c. Update and discussion regarding Lewis Park lake access plan

Theisen discussed with the committee the plans for providing canoe and kayak access to Lower Mud Lake from Lewis Park. The recommended site would be near the circular drop-off driveway at the Lewis Park shelter, with a boardwalk built across wetlands and a docking station for canoes and kayaks. The proposal would also include construction of a small path to the boardwalk from the existing walking path at the park. The proposal would cost approximately \$210,000, with an option for an additional \$46,000 to complete a walking path around the circumference of the park. The committee did not take action on this agenda item.

d. Discussion and action to make a recommendation to the Village Board regarding design and bidding services for McDaniel Park site improvements.

The committee discussed improvements to the beach area of McDaniel Park, a joint project with Dane County to provide a sandy beach and enclosed wading area in Lake Waubesa. The village's estimated share of the project cost would be \$250,000. Motion by Wreh, second by Waldera, to make a recommendation to the Village Board regarding design and bidding services for McDaniel Park site improvements. Motion carries 7 - 0 - 0 by acclamation.

e. Discussion on WLGCC Summit and League of Municipalities

Committee chair Flaherty discussed recent attendance at the Wisconsin Local Government Climate Coalition summit held in Milwaukee, and the League of Municipalities annual conference in LaCrosse. Discussions at the conferences included energy savings, transportation, grant funding and utilities.

5. SCHEDULE NEXT MEETING DATE.

a. Monday, December 12, 2022 at 6:00 p.m.

6. ADJOURNMENT.

Motion by Wreh, second by Brussock, to adjourn at 7:12 p.m. Motion carries 7 - 0 - 0 by acclamation.

Respectfully submitted by,
Phil McDade
Utility Clerk

McFarland
SUMMARY SHEET

MEETING DATE: Monday, January 9, 2023

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Matt Schuenke, Village Administrator, Sayer Larson, Parks Superintendent

AGENDA ITEM: Discussion and action to make a recommendation to the Village Board regarding the Lewis Park lake access plan

PREVIOUS ACTION:

The Parks & Recreation Committee recommended the award of contract to Parkitecture at their May 3, 2022 meeting.

The Village Board approved the award of contract to Parkitecture at their May 24, 2022 meeting.

The Parks & Recreation Committee recommended approval to the Village Board regarding the Lewis Park lake access plan as presented by Parkitecture at their December 6, 2022 meeting.

ISSUE SUMMARY:

The committee previously reviewed and discussed the Lewis Park lake access plan at their November 14th meeting. This item was also discussed by the Parks & Recreation Committee at their December meeting. Both committees have provided their suggestions for the design as presented by Blake Theisen of Parkitecture. This item is being presented to the committee for recommendation for approval of the plan to the Village Board.

The 2015 [Lewis Park Master Plan](#) called for several improvements in the park area. The Village approved funds for design services to explore a kayak launch and discovery dock as identified by shoreland improvements within the plan. The project scope includes such things as:

- Conduct an analysis of the project area to identify key issues, opportunities, and improvements in order to provide lake access.
- Public engagement on desired amenities.
- Research and report regarding regulatory players and necessary permitting requirements.
- Provide preliminary design services.
- Providing cost estimates for the site.

FINANCIAL/BUDGET IMPACT:

The budget for this item is \$15,000 and funded through the Parks Budget in the Capital Projects Fund. The cost of this plan came in at \$10,880.

VILLAGE PLAN REFERENCE:



[2015 Lewis Park Master Plan](#)

ORDINANCE REFERENCE:

None.

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Recommended Motion:

Motion and second, to recommend approval to the Village Board of the Lewis Park lake access plan as presented by Parkitecture.

ATTACHMENTS:

1. Lewis Park Exhibits
2. Power Point Lewis Final

File: V:\22.026 McFarland Lewis Park\CAD\LW.DWG Layout: C100 User: parki Plotted: Aug 03, 2022 - 3:02pm



 901 Deming Way, Suite 102 Madison, WI 53717 608.886.6808	
Project Name: LEWIS PARK 5012 Highland Drive McFarland, WI 53558	
Sheet Title: CONCEPT SITE PLAN	
Revisions:	
Project #: Issued For: Date:	22.026 Review 8/03/2022
Sheet Number C100	
Page 7 of 29	

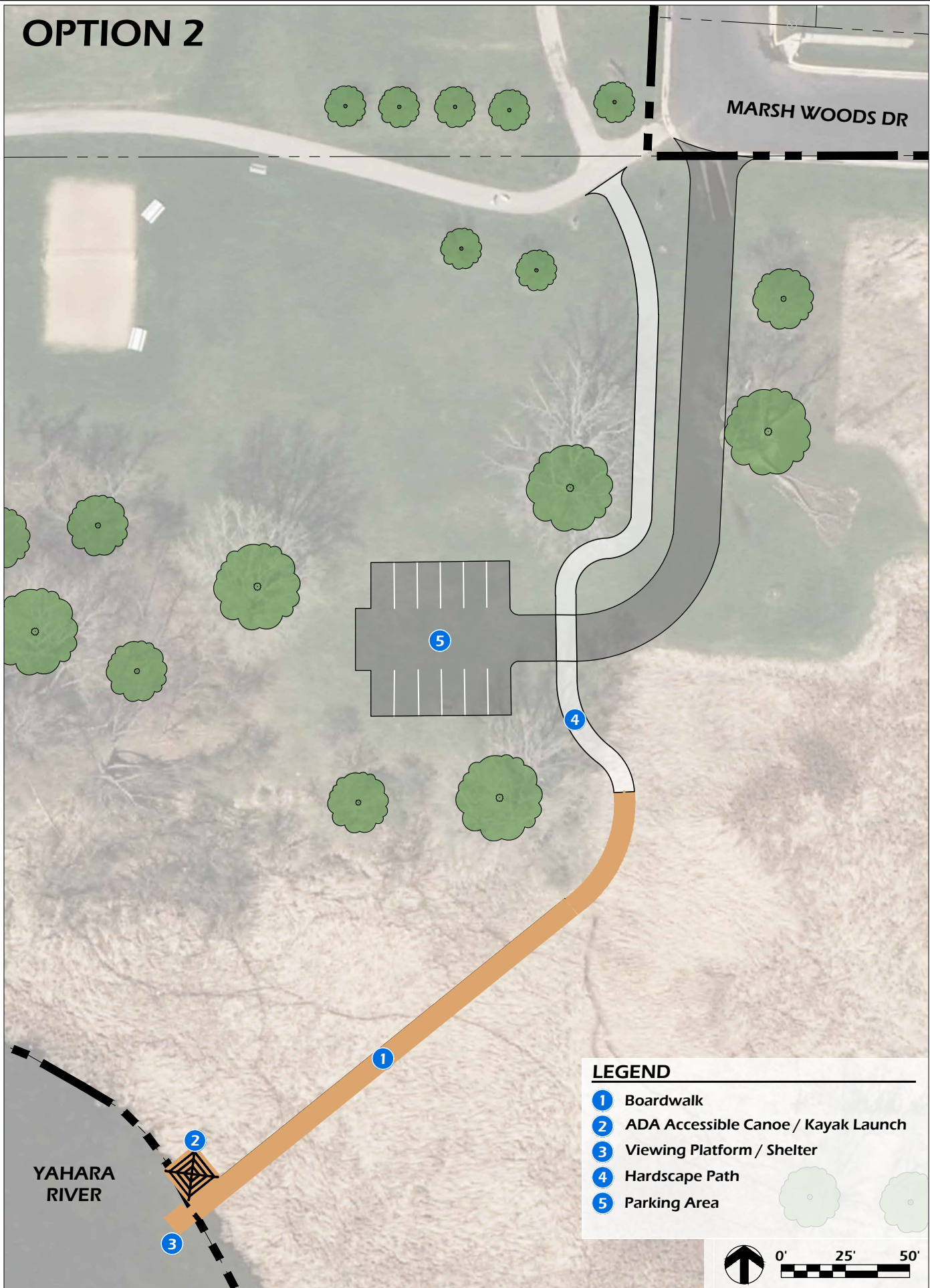
File: V:\22.026 McFarland Lewis Park\CAD\LW.DWG Layout: C101 User: parki Plotted: Aug 03, 2022 - 3:03pm

OPTION 1



1 OPTION 1

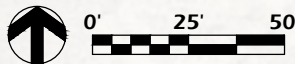
OPTION 2



2 OPTION 2

LEGEND

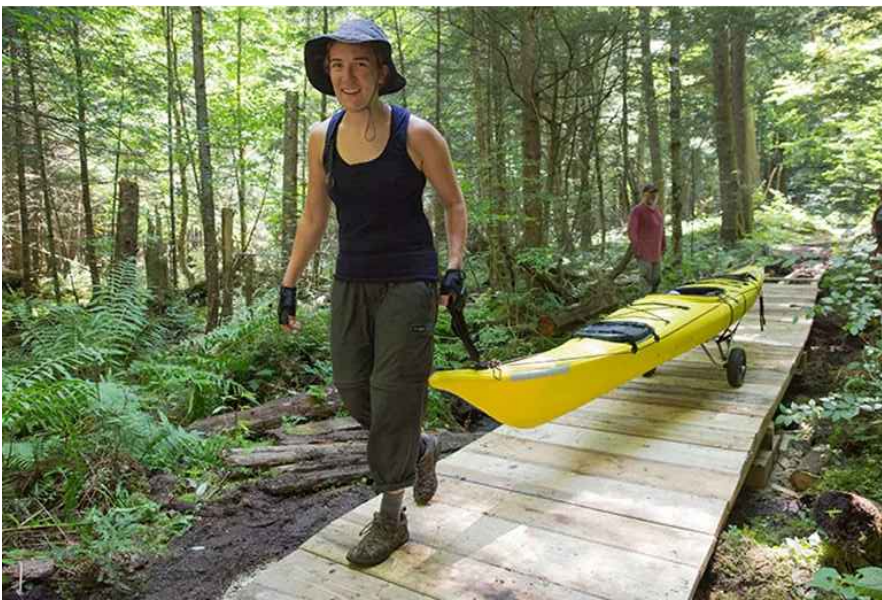
- 1 Boardwalk
- 2 ADA Accessible Canoe / Kayak Launch
- 3 Viewing Platform / Shelter
- 4 Hardscape Path
- 5 Parking Area







PADDLE CRAFT ACCESS TO YAHARA RIVER & MUD LAKE



WILDLIFE VIEWING & ENVIRONMENTAL EDUCATION



LEISURE & RECREATION



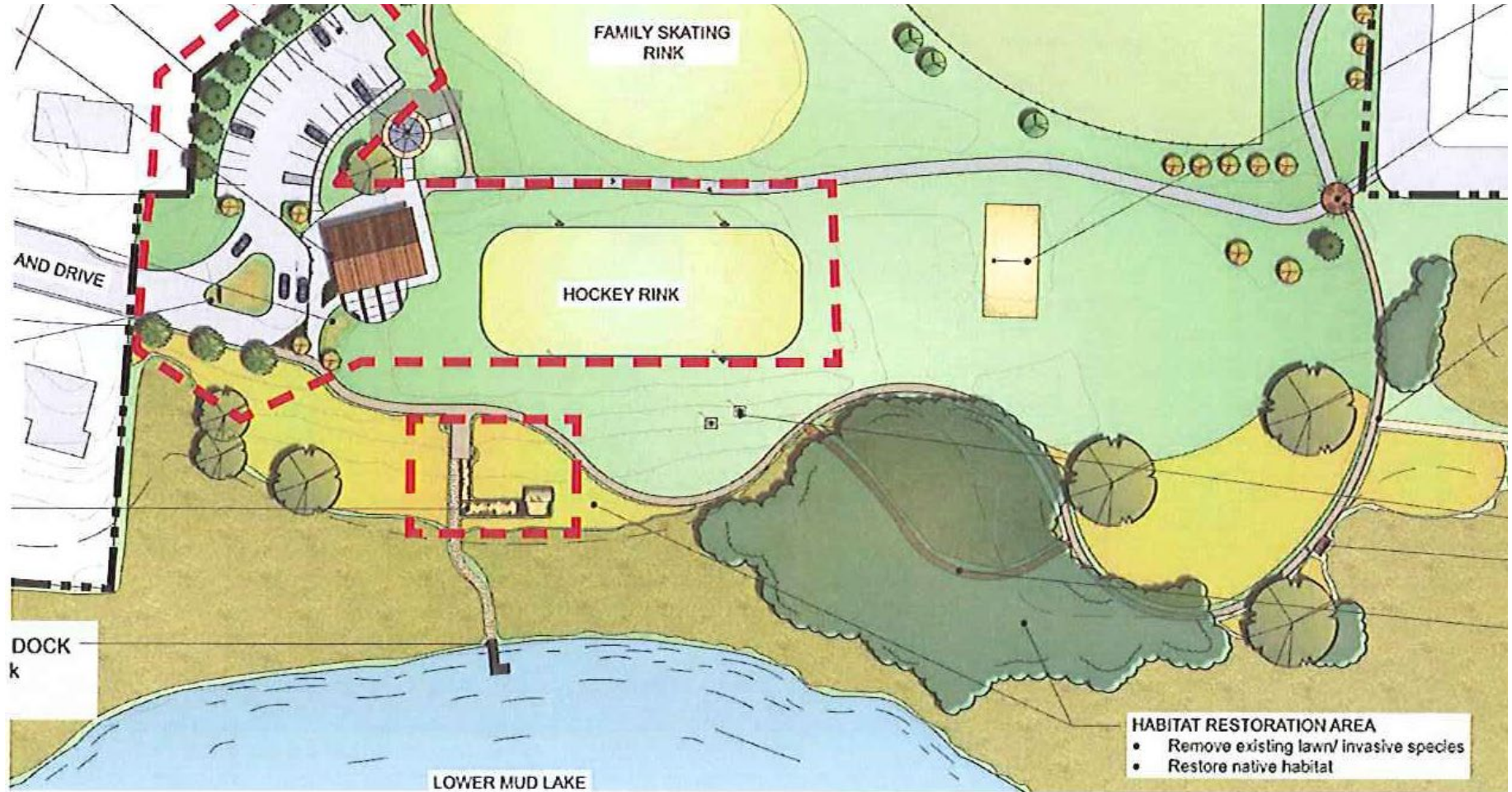


Parkitecture

Lewis Park Water Access Plan

Village of McFarland

Old Master Plan



Existing Conditions Photos



OPTION 1 LOCATION



OPTION 1 LOCATION



OPTION 1 LOCATION



OVERLOOK ADJACENT TO OPTION 1 LOCATION



VOLLEYBALL AREA BETWEEN TWO OPTION SITES



VIEW FROM PARK LOOKING SOUTH



OPTION 2 LOCATION



OPTION 2 LOCATION



OPTION 2 LOCATION

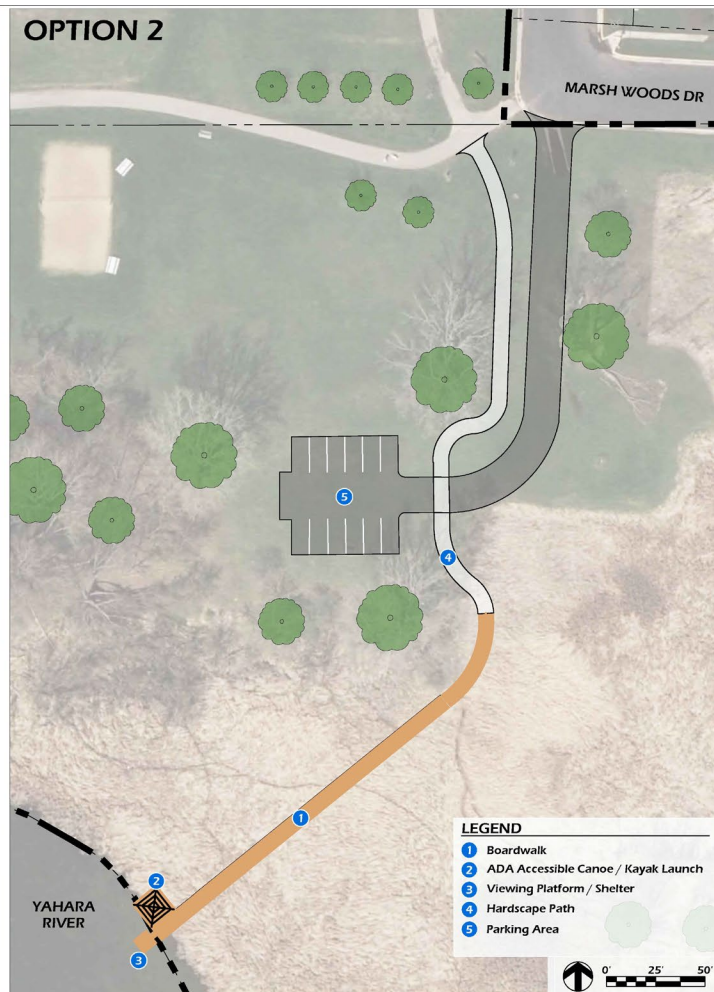
Preliminary Recommendations



Preliminary Recommendations



1 OPTION 1



2 OPTION 2

Final Recommendations

*On-Street
Pavement
Markings*

*Concrete
Approach*

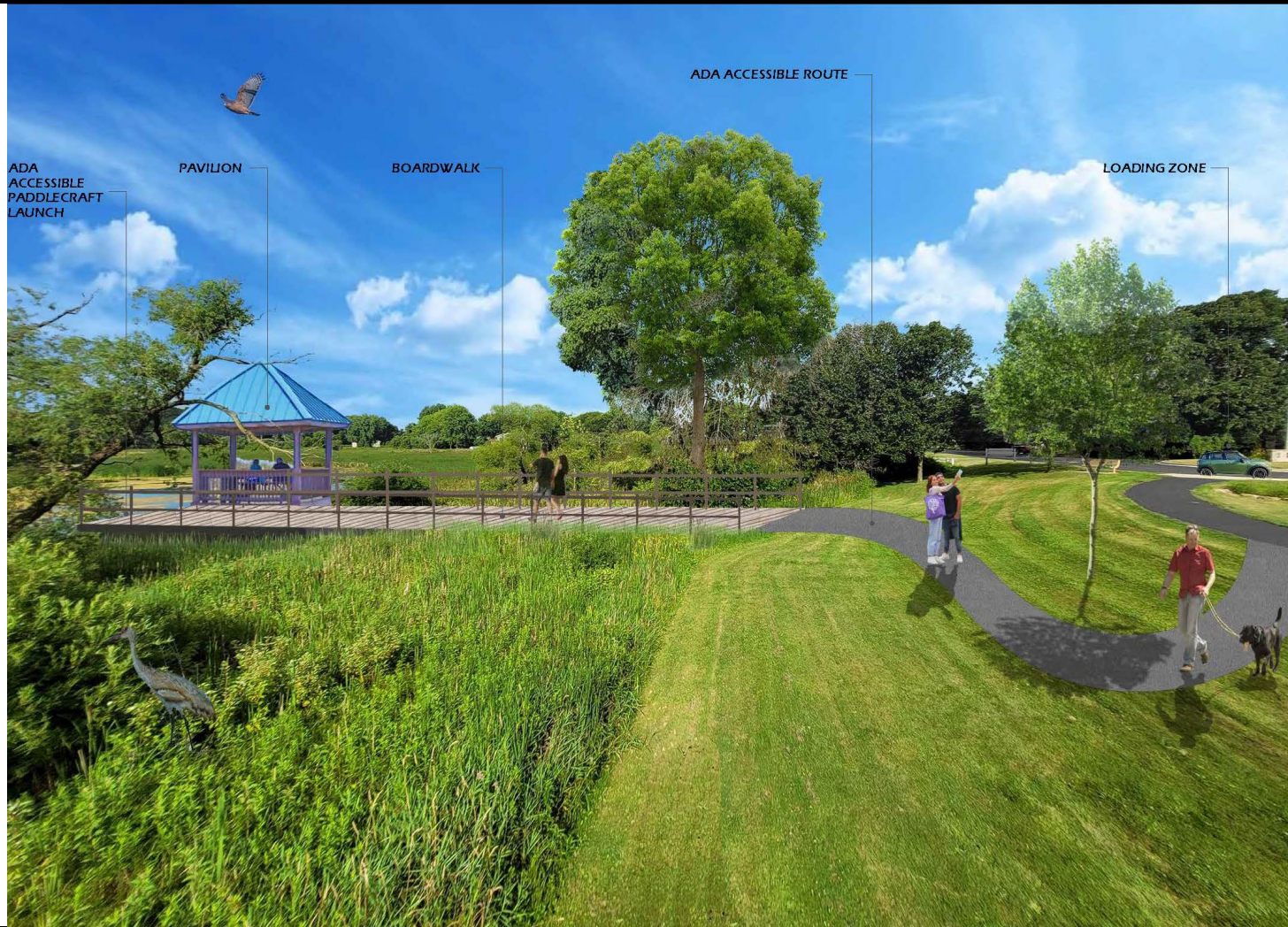
*Metal Frame
Boardwalk*

*Observation
Platform*

Signage



Final Recommendations



Final Recommendations



PADDLE CRAFT ACCESS TO YAHARA RIVER & MUD LAKE



WILDLIFE VIEWING & ENVIRONMENTAL EDUCATION



LEISURE & RECREATION



Future Recommendations



Opinion of Cost – Option 1

OPINION OF PROBABLE CONSTRUCTION COSTS



Project: Lewis Park Lake Access

Date: October 17, 2022

ITEMS						
GENERAL	Item	Qty.	Unit	Unit cost	Item Total	Comments
	1 MOBILIZATION	1	LS	\$5,000.00	\$5,000.00	
	2 EROSION CONTROL	1	LS	\$3,500.00	\$3,500.00	Installation and removal
	3 CLEARING & GRUBBING	1	LS	\$6,000.00	\$6,000.00	
	4 EARTHWORK	1	LS	\$10,000.00	\$10,000.00	
	5 RESTORATION	1	LS	\$3,200.00	\$3,200.00	
				SUBTOTAL	\$27,700.00	
SITE IMPRV.						
	6 DENSE GRADED BASE COURSE	77	TN	\$30.00	\$2,310.00	
	7 CONCRETE PAVEMENT	700	SF	\$10.00	\$7,000.00	
	8 PAVEMENT MARKINGS	1	LS	\$1,500.00	\$1,500.00	
	9 8" CULVERT PIPE	20	LF	\$60.00	\$1,200.00	
	10 ENDWALLS	2	EA	\$500.00	\$1,000.00	
				SUBTOTAL	\$13,010.00	
BOARDWALK						
	11 MAIN BOARDWALK	1	LS	\$40,000.00	\$40,000.00	
	12 PLATFORM	1	LS	\$13,000.00	\$13,000.00	
	13 INSTALLATION	1	LS	\$20,000.00	\$20,000.00	
	14 ADA LAUNCH	1	EA	\$20,000.00	\$20,000.00	
	15 PILINGS	34	EA	\$1,000.00	\$34,000.00	
	16 INTERPRETIVE SIGNAGE	2	EA	\$350.00	\$700.00	
	17 BENCH SEATING	6	EA	\$1,200.00	\$7,200.00	
				SUBTOTAL	\$134,900.00	
				Total	\$175,610.00	
				10% Contingency	\$17,561.00	
				8% A/E FEE	\$14,048.80	
				Total Cost	\$207,219.80	

Opinion of Cost – Option 2

OPINION OF PROBABLE CONSTRUCTION COSTS



Project: Lewis Park Lake Access

Date: October 17, 2022

Option 2

ITEMS						
GENERAL	Item	Qty.	Unit	Unit cost	Item Total	Comments
	1 MOBILIZATION	1	LS	\$10,000.00	\$10,000.00	
	2 EROSION CONTROL	1	LS	\$5,000.00	\$5,000.00	Installation and removal
	3 CLEARING & GRUBBING & DEMO	1	LS	\$10,000.00	\$10,000.00	
	4 EARTHWORK	1	LS	\$20,000.00	\$20,000.00	
	5 RESTORATION	1	LS	\$7,000.00	\$7,000.00	
				SUBTOTAL	\$52,000.00	
SITE IMPRV.						
	6 DENSE GRADED BASE COURSE	219	TN	\$30.00	\$6,570.30	
	7 CONCRETE PAVEMENT	1,991	SF	\$10.00	\$19,910.00	
	8 ASPHALT PAVEMENT	7,598	SF	\$7.50	\$56,985.00	
	9 PAVEMENT MARKINGS	1	LS	\$3,000.00	\$3,000.00	
	10 8" CULVERT PIPE	40	LF	\$60.00	\$2,400.00	
	11 ENDWALLS	4	EA	\$500.00	\$2,000.00	
				SUBTOTAL	\$90,865.30	
BOARDWALK						
	12 MAIN BOARDWALK	1	LS	\$80,000.00	\$80,000.00	
	13 PLATFORM	1	LS	\$13,000.00	\$13,000.00	
	14 INSTALLATION	1	LS	\$20,000.00	\$20,000.00	
	15 ADA LAUNCH	1	EA	\$20,000.00	\$20,000.00	
	16 PILINGS	70	EA	\$1,000.00	\$70,000.00	
	17 INTERPRETIVE SIGNAGE	2	EA	\$350.00	\$700.00	
	18 BENCH SEATING	6	EA	\$1,200.00	\$7,200.00	
				SUBTOTAL	\$210,900.00	
				Total	\$353,765.30	
				10% Contingency	\$35,376.53	
				8% A/E FEE	\$28,301.22	
				Total Cost	\$417,443.05	

Opinion of Cost - Final

OPINION OF PROBABLE CONSTRUCTION COSTS



Project: Lewis Park Lake Access

Date: November 08, 2022

Final Concept

ITEMS						
GENERAL	Item	Qty.	Unit	Unit cost	Item Total	Comments
	1 MOBILIZATION	1	LS	\$5,000.00	\$5,000.00	
	2 EROSION CONTROL	1	LS	\$3,500.00	\$3,500.00	Installation and removal
	3 CLEARING & GRUBBING	1	LS	\$6,000.00	\$6,000.00	
	4 EARTHWORK	1	LS	\$10,000.00	\$10,000.00	
	5 RESTORATION	1	LS	\$3,200.00	\$3,200.00	
				SUBTOTAL	\$27,700.00	
SITE IMPRV.						
	6 DENSE GRADED BASE COURSE	165	TN	\$30.00	\$4,950.00	
	7 CONCRETE PAVEMENT	1,500	SF	\$10.00	\$15,000.00	
	8 PAVEMENT MARKINGS	1	LS	\$1,500.00	\$1,500.00	
	9 8" CULVERT PIPE	20	LF	\$60.00	\$1,200.00	
	10 ENDWALLS	2	EA	\$500.00	\$1,000.00	
				SUBTOTAL	\$23,650.00	
BOARDWALK						
	11 MAIN BOARDWALK	1	LS	\$40,000.00	\$40,000.00	
	12 PLATFORM	1	LS	\$13,000.00	\$13,000.00	
	13 INSTALLATION	1	LS	\$20,000.00	\$20,000.00	
	14 ADA LAUNCH	1	EA	\$20,000.00	\$20,000.00	
	15 PILINGS	34	EA	\$1,000.00	\$34,000.00	
	16 INTERPRETIVE SIGNAGE	2	EA	\$350.00	\$700.00	
	17 BENCH SEATING	6	EA	\$1,200.00	\$7,200.00	
				SUBTOTAL	\$134,900.00	
FUTURE IMPRV.						
	1 DENSE GRADED BASE COURSE	416	TN	\$30.00	\$12,485.00	
	2 CRUSHED STONE SURFACING	5,675	SF	\$5.00	\$28,375.00	Pathway Extension
	3 RESTORATION	1	LS	\$5,000.00	\$5,000.00	
				SUBTOTAL	\$45,860.00	
				Total	\$232,110.00	
				10% Contingency	\$23,211.00	
				8% A/E FEE	\$18,568.80	
				Total Cost	\$273,889.80	



VILLAGE OF
McFarland
SUMMARY SHEET

MEETING DATE: Monday, January 9, 2023

SECTION: Business

DEPARTMENT: Community Development

CONTACT: Andrew Bremer, Comm & Eco Dev Director, Kong Thao, Associate Planner

AGENDA ITEM: Discussion regarding the joint Village of McFarland and McFarland School District Community Hosted Solar Program for parcel 154/0710-354-8341-1, near 3451 Siggelkow Road.

PREVIOUS ACTION:

August 8, 2022 - S&NR committee held discussion on this item.

ISSUE SUMMARY:

Project Updates since the August 8, 2022 S&NR Meeting

Staff from the Village, School District, and Alliant Energy have held several discussions regarding the broad framework of a joint effort between the three entities to build a small scale solar installation adjacent to the existing electrical substation at 3451 Siggelkow Road. The size of the solar installation is estimated to be approximately 1.4 MW depending on final designs. On January 6, 2023, the Village closed on the purchase of the 8-acre parcel that has been identified for the future installation of a small solar installation. Currently, the Village's Attorney and the School District's Attorney are reviewing the draft lease agreement provided by Alliant Energy under their Customer Hosted Renewable Program. In order to stay within the broader parameters of the Customer Hosted Renewable Program, the Village is not able to enter into a contract directly, or jointly with the School District, and Alliant. To qualify under the program, the Village would enter into an agreement with the School District to lease the property to the District. The District would in turn sublease the property to Alliant. Lease payments and the renewable energy certificates (RECs) generated from the site would be distributed from Alliant to the School District, which in turn would distribute a portion of the lease payments and RECs to the Village. The lease payments would be used to recoup the cost of purchasing the land and the RECs will be retired by the Village to meet the Village Sustainability Plan renewable energy goals of achieving 50% of total municipal energy consumed per year generated from renewables by 2030 and 100% by 2040. There are many aspects to this potential project that still need to be worked through in order to bring this project to fruition; however, the first steps to acquire the property have been completed. The Village and School District are expected to conclude the contract negotiation with Alliant Energy in the coming months, which will be brought forward for Committee recommendation to the Village Board. Following approval of the lease documents by the District and Village, Alliant will move forward with detailed site planning and permitting for the project. Once that is completed, construction can begin.

Project Background



On April 5, 2022, approximately 68 acres of farmland was listed for sale on the Village's east side. The entire listing consists of one 60 acre parcel and another 8 acre parcel (Property), both owned by the Joseph McFarland & McFarland Trust (Seller). These lands were annexed to the Village in 2017, are currently undeveloped farmland, zoned Exclusive Agriculture, and outside of the Village's urban service area boundary. The properties are listed for a price of \$55,000 per acre, or \$3,740,000 for the entire 68 acres.

On April 11, 2022, the Village Board unanimously approved issuing an offer to purchase parcel #154/0710-354-8341-1 with the intent of working with Alliant Energy to develop a small-scale solar installation on the property to offset the Village's municipal energy consumption through renewable resources. The 8-acre property sits directly adjacent to the existing Wisconsin Power & Light/Alliant electrical substation on the south side of Siggelkow Road. It is also nestled between the substation and the Hope Rod and Gun Club, with a driveway easement along the eastern property line serving the gun club. The eastern side of the parcel also contains the large ATC overhead transmission lines. The property immediately to the west is undeveloped. In early April, Village Staff met with various representatives from Alliant to discuss the possibility of a solar installation on the 8-acre property. Given the proximity of the property to the substation, Alliant has an interest in partnering with the Village to build a solar installation on the property. Alliant operates a Customer Hosted Renewables Program in which they will pay for the upfront costs to install solar infrastructure on municipal property and then provide an annual lease payment back to the municipality. Typically, the lease agreements are written for 20 years with the ability to extend them in three 5-year increments. Alliant also pays for the cost of maintaining the solar infrastructure. Municipalities have the option of receiving renewable energy certificates to meet their renewable energy goals. Alliant indicated that the size of the site is sufficient to offset both the Village's current firm load and the School District's (not counting Waubesa Intermediate School, which is not in Alliant's service area). Thus providing an opportunity for both the Village and the School District to offset some of their electrical usage through renewable energy sources as part of a partnership between the Village, School District, and Alliant.

On June 28, 2022, the Village Board approved Resolution 2022-18, a resolution ratifying and approving the purchase of property at or around 3454 Siggelkow Road (Parcel 0710-654-8341-1).

FINANCIAL/BUDGET IMPACT:

The 2023 Capital Budget includes \$300,000 for the acquisition of the 8-acre property.

VILLAGE PLAN REFERENCE:

The 2021 Sustainability Plan included a near-term Energy Action to *"work with energy providers to develop a community-scale solar energy installation and/or develop a program for leasing municipal rooftops for solar."* The plan also includes the goal of achieving 50% of total municipal energy consumed per year generated from renewables by 2030 and 100% by 2040. The properties are currently planned for a mix of residential development and park/open spaces in the 2008 East Side Neighborhood Plan. The Village is currently updating this plan and that project can plan for this future solar installation.

ORDINANCE REFERENCE:



BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

This agenda item is for discussion only to provide a short update to the Committee on this project.

ATTACHMENTS:

None

McFarland
SUMMARY SHEET

MEETING DATE: Monday, January 9, 2023

SECTION: Business

DEPARTMENT: Community Development

CONTACT: Kong Thao, Associate Planner

AGENDA ITEM: Discussion and possible action on recommendation to the Village Board regarding submittal of two OEI Energy Innovation Grant Program Applications for a joint comprehensive energy plan with McFarland School District and Battery Storage Systems to be located at the Public Safety Center, 6001 Broadhead St, McFarland, WI

PREVIOUS ACTION:

ISSUE SUMMARY:

The Public Service Commission of Wisconsin's Office of Energy Innovation (OEI) is accepting applications for their Energy Innovation Grant Program (EIGP). The EIGP supports the mission of the OEI by supporting a wide variety of energy projects. Annually, the Commission determines the scope of the program, including eligible applicant types and activity categories, allocating up to a total of \$10 million in grant funds. The application instructions can be reviewed through their website in the link provided.

<https://psc.wi.gov/Pages/ServiceType/OEI/EnergyInnovationGrantProgram.aspx>

The Community & Economic Development Department is applying for two grants in two separate categories. One grant application will be in partnership with the McFarland School District for a comprehensive energy plan. The second application includes grant funding for battery storage systems at the Public Safety Center. The grant funding will go towards supporting energy resilience and sustainable integration throughout the Village. Pursuit of these two grant applications furthers the Village's energy goals and sustainability planning.

Joint Village and School District Comprehensive Energy Plan

This is a joint application between the Village and McFarland School District for a comprehensive energy plan. The proposed energy plan will include an energy audit of all existing buildings, (i.e. Schools, Municipal Center, Lift Stations, park buildings, etc.) and provide sustainable solutions to reduce energy consumption and increase on-site renewable energy generation. The energy plan will also provide guidance for new construction projects in the Village and District. The District submitted a similar grant application in 2022 but was not awarded funding. The Village's Sustainability Plan identifies a near-term action item to *Conduct energy audits of all municipal facilities to identify potential energy efficiency improvements*. Rather than each entity submitting separate planning applications, staff from both the Village and District are recommending a joint planning application. Prior grant funding cycles have included similar government partnerships for this type of project.



Public Safety Center Battery Storage

The second grant application is for battery storage system installation at the new Public Safety Center. The building was designed to be battery storage ready, but due to cost implications a battery system was not included in the final bid for the project. The battery storage systems will improve the ability to power the building during periods of low sunlight and safeguard the operation and resiliency of our public safety services during times of outages in the energy grid.

During a sunny day, the battery system can be used to store excess solar energy production that would normally be sold back to the utility at a reduced rate. This stored energy could be used later during night or peak utility cost times. During a cloudy day, the battery system can be used to shave a utility peak that would increase demand costs. The battery can use stored solar energy or off peak energy to be used when electric utility costs are at their highest, and manage the demand charges that a facility will incur. Batteries can also increase electric resiliency by providing back-up electric power during loss of building utility connection. These battery systems can be used in tandem with a conventional dual fuel gas generator, or as a standalone means of providing emergency power during an electric utility outage.

Summary of Application Timeline

1. Public Service Commission accepting applications on 11/02/22
2. Discussion and action by the Sustainability & Natural Resources Committee on submittal (1/09/23)
3. Village Board Meeting on 1/24/2023 for authorization to submit applications
4. Application Deadline on January 30, 2023 4:00 PM CT
5. PSC screening committee evaluation - February 2023
6. PSC determination of 2022 EIGP Awards - March 2023

FINANCIAL/BUDGET IMPACT:

Joint Comprehensive Energy Plan - The OEI grant program provides up to \$100,000 in grant funding, with no required local match, for Comprehensive Energy Planning projects involving two eligible applicants. The Village and District are requesting \$90,000 for the project and will match \$5,000 each. The total for the project will be \$100,000. Staff are suggesting a local match of \$5,000 each to improve the likelihood of receiving funding as the program is highly competitive. Funding for this match is provided in the Village's 2023 Capital Budget.

Public Safety Center Battery Storage - In 2021, Village's energy consultant provided an estimate for the battery system of \$450,000. Within the OEI EIGP's Activity 1: Renewable Energy and Energy Storage Systems, installation or upgrade of a battery storage system includes a maximum grant request of \$250,000. Staff is working with our energy consultant to obtain an updated cost estimate for the battery system. Likely, the Village will need to provide a matching local cost share of \$250,000 (~50% match). The Village will provide supplementary funding through a combination of unallocated construction contingency funds under the Village's current project borrowing, additional Focus on Energy Incentives received, and the 2023 Capital Budget.

VILLAGE PLAN REFERENCE:

Sustainability Plan, 2021 - The proposed grant applications are consistent with what is included in the Energy Actions, Near-Term Actions, page 15.



- *Conduct energy audits of all municipal facilities to identify potential energy efficiency improvements.*
- *Establish a policy requiring all major remodeling of municipal buildings and any new municipal buildings include energy efficiency measures.*

Both grant applications also support the following energy goal from the Sustainability Plan, page 14:

- *Municipal Percentage of Total Energy Consumed Generated from Renewables per Year: 50% by 2030 & 100% by 2040.*

ORDINANCE REFERENCE:

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Motion to recommend to the Village Board submittal of two OEI Energy Innovation Grant Program Applications for a joint comprehensive energy plan with McFarland School District and Battery Storage Systems to be located at the Public Safety Center, 6001 Broadhead St, McFarland, WI

ATTACHMENTS:

None