

FEBRUARY 3, 2025
PARKS, PROPERTY & STREETS
COMMITTEE MEETING

1. **CALL MEETING TO ORDER & ROLL CALL**
(HOWSON, BHIRDO, OROZCO, AHRENS & LASZKIEWICZ.)
2. **APPROVAL OF AGENDA**
(COMMITTEE CHAIR WILL ALSO REMIND ALL “ZOOM” PARTICIPANTS TO MUTE THEIR DEVICES.)
3. **APPROVAL OF JANUARY 6, 2025 PARKS, PROPERTY & STREETS COMMITTEE MEETING MINUTES**
4. **COMMENTS, CORRESPONDENCE & CONCERNS FROM THE PUBLIC**



PARKS, PROPERTY & STREETS COMMITTEE MEETING AGENDA

MONDAY, FEBRUARY 3, 2025, AT 2:30 PM

Sister Bay Liberty Grove Fire Station – 2258 Mill Road, Large Meeting Room

To access the meeting electronically, click:

<https://zoom.us/j/4439901723?pwd=yAVpi40M1OlqgNufcVUE8XWCUSkKaH.1&omn=97063638580>

Meeting ID: 443 990 1723 Passcode: 304078

To connect by phone: 1-301-715-8592 - Meeting ID 443 990 1723#

For additional information visit: www.sisterbaywi.gov and click 'Meetings'

AGENDA

1. Call to Order & Roll Call

1	Committee Chair – Louise Howson	2	Denise Bhirdo
3	Lilly Orozco	4	Jerry Ahrens
5	Mike Laszkiewicz		<i>Village Administrator – Julie Schmelzer</i>
	<i>Department Director – Erik Linczmaier</i>		<i>Administrative Assistant - Janal Suppanz</i>

2. Approve Agenda

3. Approve January 6, 2025, Regular Monthly Meeting Minutes

4. Comments, Correspondence, and Concerns from the Public

5. Discussion/Action Items

- a. Parking; Peninsula Century Fall Challenge Bike Ride and Door County Century Bike Ride
- b. Parking; Mill Road East Area (Mill Road Gallery Area)
- c. Concession Building Addition; Design Contract
- d. Trail Updates
- e. Broadband Update
- f. Public Space Audits
- g. Village Volunteer Day
- h. Employee Recognition Benches
- i. Staffing Discussion

6. Staff Report(s)

7. Matters to be Placed on a Future Agenda or Referred to a Committee, Official or Employee

8. Next Meeting: Regular Monthly Meeting – March 3, 2025, at 2:30 PM

9. Adjourn

Public Notice – PARKS, PROPERTY & STREETS COMMITTEE MEETINGS ONLY

For questions regarding the above agenda items or to review the related files contact Julie Schmelzer, Village Administrator at julie.schmelzer@sisterbaywi.gov.

To submit letters in support or opposition of an agenda item, email janal.suppanz@sisterbaywi.gov by 4:00 p.m. the day before the meeting. Letters received after the meeting packet has been mailed will NOT be sent to committee members but will be SUMMARIZED at the meeting.

It is possible that members of or quorum of other governmental bodies may attend the meeting to gather information; no action will be taken by any governmental body other than the body specifically referred to above. Upon reasonable notice, a good faith effort will be made to accommodate the needs of disabled individuals through sign language interpreters or other auxiliary aid or accommodation at no cost to the individual. Due to the difficulty in finding interpreters, requests should be made as far in advance as possible, preferably a minimum of 48 hours. For additional information or to request this service, contact the Sister Bay Village Administration Office at 854-4118 or by writing to the Village Administration Building, 2383 Maple Drive, PO Box 769, Sister Bay, WI 54234. Copies of reports and other supporting documentation are available for review at the Village Administration Building during operating hours (8 a.m. – 4 p.m. Mondays through Thursdays, and 8 a.m. – 12:00 p.m. Fridays).

The Village of Sister Bay is an Equal Opportunity Provider & Employer

POSTED DATE/SIGNATURE _____

**MINUTES FOR THE HYBRID REGULAR MONTHLY MEETING OF THE
PARKS, PROPERTY & STREETS COMMITTEE
SISTER BAY-LIBERTY GROVE FIRE STATION – 2258 MILL ROAD,
MONDAY, JANUARY 6, 2025
(APPROVAL PENDING)**

Agenda Item No. 1. Call Meeting to Order and Roll Call:

The January 6, 2025 hybrid regular monthly meeting of the Parks, Property & Streets Committee was called to order by Committee Chair Louise Howson at 2:31 P.M.

Committee Members Present: Committee Chair Louise Howson and Committee members Denise Bhirdo and Jerry Ahrens. Lilly Orozco appeared virtually.

Excused: Committee member Mike Laszkiewicz.

Staff Members Present: Village Administrator Julie Schmelzer, Parks & Streets Department Director Erik Linczmaier, Utilities Director Megan Barnes, and Administrative Assistant Janal Suppanz.

Others Present: Kurt and Laurel Harff, Nicholas Dokolas, DeDe Mickelson, Ellie Soderberg-Guger, Erin Peddle, Cori Shanahan, Kathy Hinske, Tom Sadler and Brigette Kozma, “Barb” and two unidentified individuals.

Agenda Item No. 2. Approval of Agenda:

Motion by Bhirdo, second by Ahrens that the Agenda for the January 6, 2025 meeting of the Parks, Property & Streets Committee be approved as presented. Motion carried – All ayes.

Agenda Item No. 3. Approval of Minutes:

As to the minutes for the December 2, 2024 regular monthly meeting of the Parks, Property & Streets Committee:

Motion by Ahrens, second by Bhirdo that the minutes for the December 2, 2024 meeting of the Parks, Property & Streets Committee be approved as presented. Motion carried – All ayes.

Agenda Item No. 4. Comments, correspondence and concerns from the public:

Howson asked if anyone would like to comment regarding a non-agenda item. No one responded. She then noted that a letter that was received from Myles Dannhausen had been included in the digital meeting packets. (In his letter Mr. Dannhausen expresses several concerns about the potential relocation of the Sister Bay Post Office.)

Agenda Item No. 5. Discussion/Action Items:

a. Community Garden Planning:

At the last meeting of the Committee work commenced on the drafting of a conceptual plan for the new community garden to be created on the “Logerquist Property”, and, as per the Committee members’ request, Cori Shanahan and Kathy Hinske, who serve as the “Volunteer Managers” of the Village’s existing community garden, were invited to attend this meeting to provide related input and answer any questions the Committee members may have. Ms. Shanahan and Ms. Hinske explained that they have utilized the Village’s existing community garden for a number of years now and “love it”. They also indicated that the existing garden has 16 plots, and they are all currently being utilized. If at all possible

1 they and several of the gardeners who utilize the existing community garden would like to be allowed to
 2 continue to have access to that garden. Depending upon how much demand there is for the new garden
 3 and how big it will actually be, they may be willing to manage both facilities.
 4

5 When the new community garden is created it would be very helpful if Village officials could see that the
 6 following amenities are available:

- 7 • Garden plots of various sizes ranging from 10' X 10', 10' X 15', 10' X 20' and 20' X 40' that are
 8 separated by walking paths ranging in size from 3' wide to 6' wide.
- 9 • A readily available access point to the Village's water system or an on-site well, and all required
 10 fittings and/or meters, if required.
- 11 • Heavy-duty garden hose that is capable of being extended from the previously mentioned water
 12 source to the perimeter of the new garden, as well as any required fittings. (Each of the gardeners
 13 will be informed that they will be expected to supply enough of their own garden hose to service
 14 the plot(s) that is/are assigned to them and whatever hose attachments they prefer to utilize.)
- 15 • A designated parking area that is in close proximity to the new community garden.
- 16 • A designated location for disposal of weeds that is in close proximity to the new garden.
- 17 • Several gardeners have expressed interest in being allowed to continue to utilize their own on-
 18 site deck boxes for storage of their gardening tools and supplies, or, if Village officials decide that
 19 it would be appropriate, have requested that they be allowed to have exclusive access to one or
 20 more of the existing buildings on the Logerquist Property that is/are capable of being locked.
- 21 • In the past there were a few instances where produce that was grown in the existing community
 22 garden was harvested by an unknown individual(s) without permission, and, therefore, it would
 23 probably be a good idea for Village officials to see that signage which makes it perfectly clear that
 24 the gardens are "private" is erected in the area where CTH "ZZ" intersects with Woodcrest Road.
- 25 • If the previously mentioned signage doesn't deter people from taking produce, Village officials
 26 may want to consider erecting a fence or some other kind of barrier in that location.
 27

28 At the present time the gardeners who utilize the existing community garden are not required to sign
 29 any type of contract, but they are all aware that there are rules that all of them are expected to abide by,
 30 and, to be honest, none of those rules have ever been violated. The plot rental fees, which are quite
 31 reasonable, and range from \$15.00 to \$50.00 per season, depending upon the size of the plots that are
 32 utilized, cover the cost of related water usage fees, and are also utilized to purchase "Deer No-Nos" as
 33 well as any gardening supplies that may be needed from time to time.
 34

35 Ms. Shanahan and Ms. Henske noted that several members of the community actually benefit from the
 36 existing community garden as any excess produce that is realized is delivered to the local food pantries
 37 as soon as it is harvested. In conclusion they thanked the Committee members for allowing them to have
 38 access to the existing community garden and considering creating an additional garden, and suggested
 39 that at least initially ten new community garden plots be created on "the Logerquist Property". If there
 40 is more of a demand for garden plots the new garden could always be expanded.
 41

42 Bhirdo noted that the Committee members have actually considered two different community garden
 43 options for the Logerquist Property - duplication of the existing community garden model, and creation
 44 of a "true urban garden", where several members of the community who work in one large garden are
 45 allowed to share in the harvest, and asked if Ms. Shanahan and Ms. Henske believe both options could
 46 co-exist. Ms. Shanahan responded that she believes that could happen as long as the private gardens are
 47 clearly marked and everyone abides by the rules that are established for the new garden.
 48

1 The Committee members thanked Ms. Shanahan and Ms. Hinske for taking the time to attend this
 2 meeting, and encouraged them to contact staff members if they think of any other items that they should
 3 be aware of.

4
 5 **b. Parking Concerns; Mill Road East:**

6 Tom Seagard, who owns an art gallery on Mill Road East, has called the Village Office on several occasions
 7 complaining that vehicles were parking in the designated "No Parking" areas in front of his gallery thereby
 8 blocking his driveway and the parking area for his business. Mr. Seagard and his wife, Brigitte Kozma,
 9 were present, and they confirmed that their driveway and parking area has been blocked on several
 10 occasions over the past year. Because of the previously mentioned parking violations there have been
 11 several occasions when they and their customers have not been able to gain access to or exit their parking
 12 area or utilize their driveway. This is not only problematic from a business standpoint, but they are very
 13 concerned that there is potential for health and safety issues to arise if a fire or a health emergency were
 14 to arise - fire trucks and/or ambulances simply could not gain access to their property. There is a thin
 15 yellow line painted on the street in front of their parking area/driveway, and they believe that line really
 16 doesn't deter anyone from parking in the previously mentioned location, and, therefore, they are
 17 requesting that Village officials see that diagonal yellow lines are painted on the street in front of their
 18 business so that it is much more evident that parking is prohibited in that location.

19
 20 Schmelzer requested that Mr. Seagard and/or Ms. Kozma prepare a diagram that depicts the type and
 21 dimensions of the street markings they would actually like to see created in front of their art gallery, and
 22 Ms. Kozma responded that she will prepare such a diagram and provide it to the employees in the Village
 23 Office in time for it to be included in the digital packets for the next meeting of the Committee.

24
 25 **c. Parking Concerns; ChristKindl Markt:**

26 While parking violations at the ChristKindlMarkt, which event is conducted at The Corner of the Past on
 27 an annual basis, have decreased considerably, there were still a few instances where attendees at this
 28 year's event parked in prohibited areas, which is definitely a concern from a safety perspective, and in
 29 accord with Bhirdo's request discussion regarding the parking concerns was added to the agenda for this
 30 meeting. Discussion took place regarding this issue, and during that time Howson stated that she is
 31 personally aware that the organizers of the ChristKindl Markt made a concerted effort to address as many
 32 of the previously mentioned parking concerns as possible well in advance of this year's event.

33
 34 Ahrens, who lives in close proximity to The Corner of the Past, acknowledged that there were far fewer
 35 parking violations committed during this year's ChristKindl Markt than there had been in the past, but
 36 pointed out that there were still some vehicles parked in designated "No Parking Zones" on the shoulder
 37 of Highway 57 as well as Fieldcrest Road and Country Lane. From a safety perspective he finds this activity
 38 to be "very troubling" as there was definitely potential for people who were walking along the highway
 39 in the dark to become seriously injured.

40
 41 Lengthy discussion took place regarding this issue, and the Committee members agreed that there really
 42 is no excuse for anyone to park in clearly designated "No Parking" zones. Therefore, they requested that
 43 this issue be referred to the Village's new Code Enforcement Officer in as timely a fashion as possible.
 44 Schmelzer noted that the Code Enforcement Officer won't actually be starting until mid-March, and in
 45 light of that fact the Committee members requested that as soon as Schmelzer feels it's appropriate, she
 46 see that a meeting is scheduled for her and the Code Enforcement Officer to meet with the members of
 47 the Sister Bay Historical Society Board of Directors as well as John Nelson, the Coordinator of the
 48 ChristKindl Markt, and a representative of the Door County Sheriff's Department Reserve Unit so that

1 work can commence on establishing a mutually agreeable “plan of action” with respect to any and all
2 vehicles that are parked illegally during the 2025 ChristKindl Markt. Schmelzer indicated that she will keep
3 the Committee members advised of the status of this issue.

4
5 **D. Mill Road West; Landscaping Plan:**

6 As per the Committee’s request a representative of Door Landscape and Nursery was asked to suggest an
7 alternate plant option for inclusion in the Mill Road West Landscaping Plan, and he has now suggested
8 Golden Mop False Cypress or Old Gold Junipers. The Committee members expressed concerns that
9 Junipers could grow to be quite tall and tend to get “woody”, and it was eventually the consensus that
10 Boxwoods and Golden Mop False Cypress shall be utilized. (In accord with the Committee’s directives
11 Schmelzer will see that the Landscaping Plan is revised in such fashion that it reflects that 65% of the
12 plants that are utilized along Mill Road West will be Boxwoods and 35% of the plants that are utilized will
13 be Golden Mop False Cypress.)

14
15 **e. Concession Agreement; Bay Shore Outdoor Store:**

16 The Concession Agreement between the Village and Bay Shore Outdoor Store expired in fall, and
17 Schmelzer asked if the Committee members were interested in renewing that agreement. (Bay Shore
18 Outdoor operated a “quiet craft” rental business, and also sold incidental “beach accessories” such as
19 sunglasses and suntan lotion, pre-packaged snacks and non-alcoholic beverages at or near the western
20 end of the Village’s beach.)

21
22 Discussion took place regarding this issue, and Schmelzer was asked to see that a related RFP is issued
23 and processed in as timely a fashion as possible. It was also the consensus that whenever a contract is
24 approved for the services that are described in the RFP a provision shall be added to the applicable
25 Concession Agreement that a late fee will be imposed if the Concessionaire fails to provide a POS
26 merchant report that accurately depicts his/her annual sales in the Village and/or fails to pay the required
27 fee by the designated deadline.

28
29 **f. Concession Agreement; Segway The Door:**

30 Since 2017 a Concession Agreement has been in effect between the Village and Glide, N.E.W., d/b/a
31 Segway The Door Tours. That agreement also expired in fall, and Schmelzer asked if the Committee
32 members were interested in renewing it. (Glide, N.E.W. offers segway tours that originate from the
33 parking lot at the Village’s Sports Complex, and those tours are only allowed on a formally designated
34 route.)

35
36 The Committee members agreed that an RFP should be issued for someone to provide segway or other
37 tour services in the Village, and Schmelzer was again asked to see that a related RFP is issued and
38 processed in as timely a fashion as possible. It was the consensus that whenever a contract is approved a
39 provision shall be added to the Concession Agreement that a late fee will be imposed if the Concessionaire
40 fails to provide a POS merchant report that accurately depicts his/her annual sales in the Village and/or
41 fails to pay the required fee by the designated deadline.

42
43 **g. Public Space Audits:**

44 Public space audits for the Sister Bay Sports Complex and Waterfront Park that were prepared by
45 representatives of DoGood Door County were included in the digital meeting packets, and the Committee
46 members briefly jointly reviewed all of that documentation. It was the consensus that an in-depth review
47 of the previously mentioned audits should be conducted at the next meeting of the Committee so that the
48 stated suggestions can be prioritized.

h. Establishment of a “Volunteer Day” in the Village:

The suggestion has been made that Village officials consider establishing a “Volunteer Day” in the Village. Discussion took place regarding this issue, and it was the consensus that at some point a list of potential volunteer opportunities should be created and maintained in the Village Office. It was also the consensus that all of the Trustees as well as Village staff members should be encouraged to work alongside the members of the community who do volunteer. Bhirdo indicated that she believes a “good starting point” would be to do something that recognizes “Earth Day”, which has been scheduled for Tuesday, April 22, 2025, and the other Committee members concurred. It was the consensus that further discussion shall take place regarding this issue at the next meeting of the Committee.

i. Department Annual Report:

The 2024 Annual Report for the Parks & Streets Department was included in the digital meeting packets, and the Committee members jointly reviewed that document. All the Committee members indicated that they believe Linczmaier “did a great job on his report”, and they also indicated that they found the data the report contains to be very worthwhile.

Ahrens pointed out that at one point the former Director of Public Works had indicated that it helps to maintain roads if gravel is added to the shoulders, and Schmelzer was asked to discuss that suggestion with Linczmaier in the near future. She indicated that she will keep the Committee members advised of the status of this issue.

Agenda Item No. 6. Staff Reports

Linczmaier and Schmelzer’s Staff Reports were included in the digital meeting packets, and the Committee members jointly reviewed both of those documents.

Motion by Bhirdo, second by Ahrens that the Parks, Property & Streets Committee recommends that the Finance Committee see that the Village’s CIP is amended in such fashion that a page(s) is/are added that addresses “Future Road Planning Projects”, including the possible extension of Canterbury Lane east to Woodcrest Road, and the extension of Applewood Road to Woodcrest Road. Motion carried – All ayes.

Schmelzer pointed out that discussions have begun with the Engineers from Robert E. Lee & Associates regarding the Mill Road Triangle Reconstruction/Repair Project. At this time the Engineers anticipate that the related surveying work will commence in January or February of 2025. They also anticipate that a public informational meeting will be conducted in Spring of 2025, that the related bid package will be prepared and real estate negotiations will commence in Summer of 2025, that utility construction, including storm sewer and WPS work will commence in Fall of 2025, and, finally, that the actual road construction will commence in Spring of 2026.

Agenda Item Nos. 7, 8 and 9.**Matters to be Placed on a Future Agenda or Referred to a Committee, Official or Employee:****Next Meeting:**

The next meeting of the Parks, Property & Streets Committee has been scheduled for 2:30 P.M. on Monday, February 3, 2024. In accord with the Committee’s directives the following issues will be addressed at that meeting:

Discussion/Action Items:

a. Parking Concerns; Mill Road East

b. Parking Concerns; ChristkindlMarkt

1 **c. Public Space Audits**

2 **d. Establishment of a “Volunteer Day” that does something to recognize “Earth Day” in the Village**

3 **e. Potential Improvements to be Made at the Existing Dog Park**

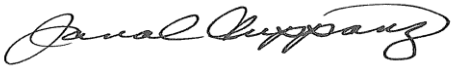
4 **f. Peninsula Fall Challenge Parking Issues**

5
6 ***The Committee’s recommendation concerning amendments to the CIP will also be referred to the***
7 ***Finance Committee.***

8
9 **Adjournment**

10 *At 4:22 P.M. a motion was made by Ahrens, seconded by Bhirdo that the January 6, 2024 meeting of the*
11 *Parks, Property & Streets Committee be adjourned. Motion carried – All ayes.*

12
13 Respectfully submitted,

14 

15 Janal Suppanz,
16 Administrative Assistant

DISCUSSION/ACTION ITEMS

AGENDA ITEM NO. 5(a)
PARKING; PENINSULA CENTURY
FALL CHALLENGE BIKE RIDE &
THE DOOR COUNTY CENTURY
BIKE RIDE



STAFF REPORT

PENINSULA FALL CHALLENGE & DOOR COUNTY CENTURY BIKE RIDE

Date: February 3, 2025

Board/Committee: Parks, Property & Streets Committee

Re: Parking Concerns

Author: Julie A. Schmelzer, Village Administrator

This is a continuation of a discussion from the December meeting. The discussion was as follows:

a. Parking issues; Peninsula Century Fall Challenge Bike Ride and the Door County Century Bike Ride:

Complaints have been received that several of the individuals who participate in the Peninsula Century Fall Challenge Bike Ride and the Door County Century Bike Ride park their vehicles in the parking stalls along N. Bay Shore Drive and leave them there all day long, which can be quite problematic for anyone wishing to do business in the downtown area. Discussion took place regarding this issue, and it was eventually the consensus that Brian Fitzgerald, one of the organizers of the Peninsula Century Fall Challenge Bike Ride, shall be asked if it would be possible to include a note in the ride packets which states that all ride participants must park their vehicles at the Sports Complex or another designated location away from the downtown area and ride their bicycles to the starting point.

Howson indicated that she will discuss this issue with Mr. Fitzgerald and report her findings at the next meeting of the Committee.

DISCUSSION/ACTION ITEMS

AGENDA ITEM NO. 5(b)
PARKING; MILL ROAD EAST
(AREA IN FRONT OF THE
MILL ROAD GALLERY)



STAFF REPORT

MILL ROAD PARKING - MILL ROAD GALLERY CONCERNS

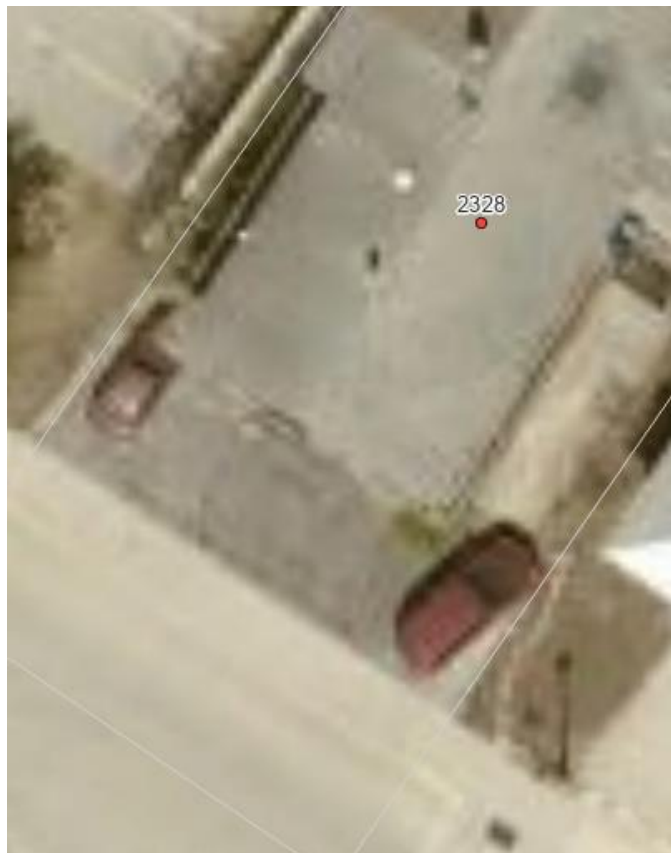
Date: February 3, 2025

Board/Committee: Parks, Property & Streets Committee

Re: Parking Concerns

Author: Julie A. Schmelzer, Village Administrator

This item was discussed in part at the last meeting. Tom Seagard and his wife Brigitte Kozma expressed concerns over people parking in front of their business entrance preventing access to their parking lot, and, requested the village stripe the street to prevent parking. Tom and Brigitte were asked to prepare a diagram of the proposed street striping they are requesting the village install in front of their business. Their submission is attached (they request a 55' long no parking area be striped). Below is an aerial view of their access.



PAK

LEGAL PARKING
WHITE STRIPE



YELLOW
NO PARK

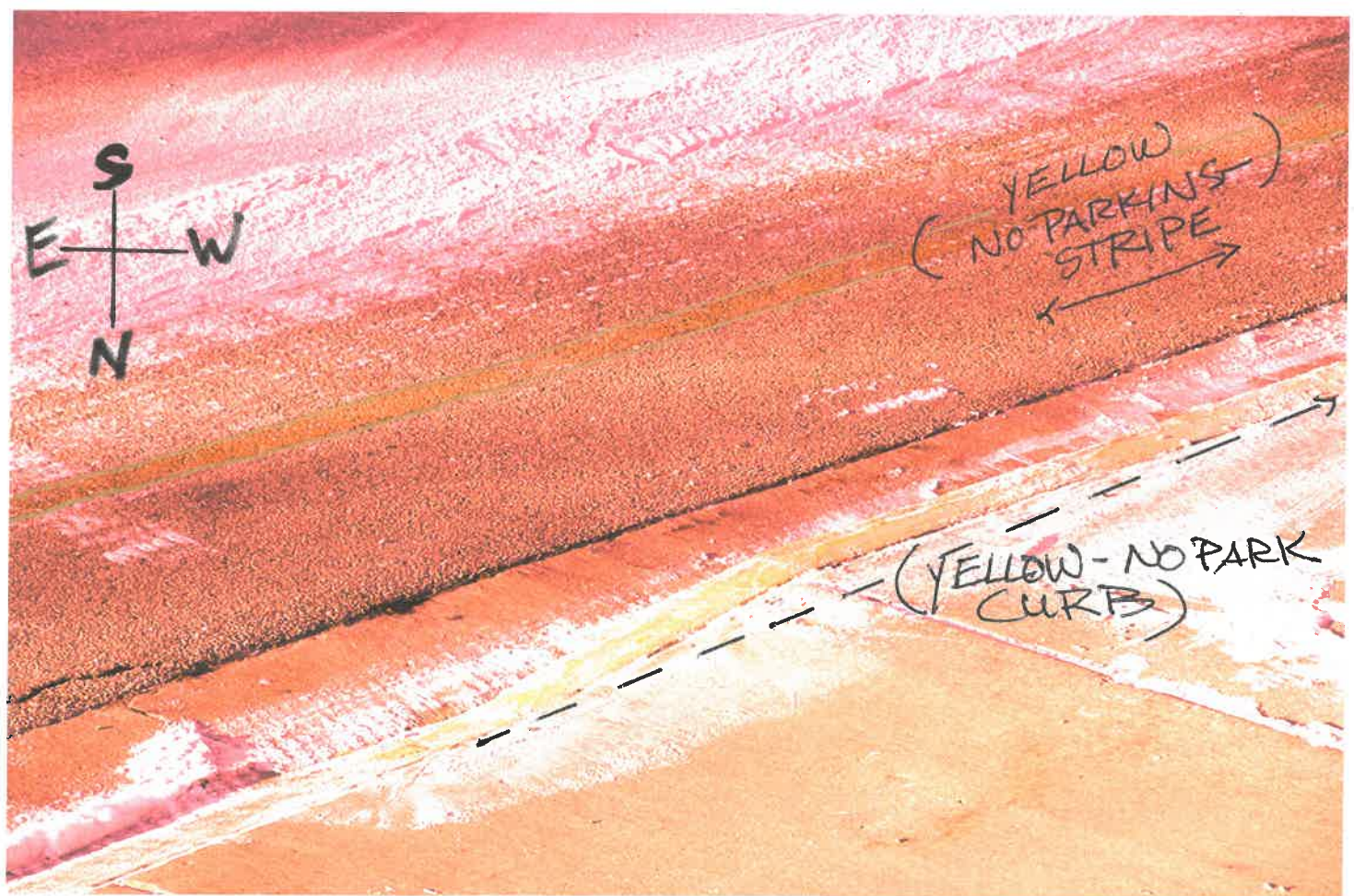


YELLOW
CURB
NO PARKING



YELLOW
(NO PARKING
STRIPE)

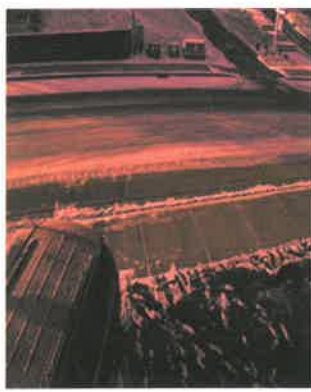
(YELLOW-NO PARK
CURB)



YELLOW "NO PARKING" STRIPE
ALONG RELAXED NO CURB.

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*NEEDED: YELLOW DIAGONALS
FOR NO PARKING



MEASURES: EAST TO WEST
55 feet

DEPTH/DIAGONALS
TO SIDEWALK 4 feet

DISCUSSION/ACTION ITEMS

AGENDA ITEM NO. 5(c)
**CONCESSION BUILDING ADDITION;
DESIGN CONTRACT**



STAFF REPORT

CONCESSION BUILDING ADDITION & CONTRACT

Date: February 3, 2025

Board/Committee: Parks, Property & Streets Committee

Re: Addition to Concession Stand

Author: Julie A. Schmelzer, Village Administrator

This item was discussed in December and an update provided at our January meeting.

Stantec was to engineer a sewer lateral stub to the building and Schmelzer proceed to work with McMahon on a contract, and, to apply for grant funding.

I did apply for the grant and am waiting to hear if it is awarded. The McMahon contract is attached. McMahon agreed to design and do engineering both for under \$25,000 (in total), meaning we don't need a separate bid or contract for engineering.

Note: Due to the infrastructure in the building, and building design, the addition would need to be located off the south side of the building, instead of the east as originally thought.



AGREEMENT

FOR PROFESSIONAL SERVICES

VILLAGE OF SISTER BAY
Attn: Julie Schmelzer – Village Administrator
2383 Maple Drive
Sister Bay, WI 54234

JANUARY 13, 2024
McM. No. M0032-06-99-00001

PROJECT DESCRIPTION

The Village of Sister Bay proposes to construct an addition to the pavilion located at the Village of Sister Bay Sports Park located in the Village. The new addition will house two ADA Accessible restrooms for park patron use. It is assumed that the new addition will be approximately 14'-8" wide x 24'-0" long matching the existing width of the storage and concession area and will have a 16'-0" x 14'-8" covered overhang to match the existing overhang presently sheltering the concession windows.

The addition is to be constructed with 2x wood studs, wood trusses (designed by the supplier) with plywood sheathing and asphalt shingles and will be finished with cement board siding and trim to match the existing.

SCOPE OF SERVICES

A. GENERAL DESIGN SERVICES

1. Planning (Preliminary Design)
 - a. Conduct site visit for initial building and site verification. (Completed 1/2/25)
 - b. Provide conceptual / schematic planning.
 - c. Develop a Basis of Design (per discipline).
 - d. Attend up to two virtual meetings for preliminary design coordination as required.
 - e. Coordinate preliminary design review meeting with Client.
2. Design
 - a. Develop construction documents based on approved preliminary design.
 - b. Develop specifications (including procurement and contracting requirements, general requirements, and technical sections).
 - c. Attend drawing coordination meeting reviews as required.
 - d. Drawings to be developed in AutoDesk Revit format or Civil 3D, taken to a maximum coordination level of LOD:300.
 - e. Coordinate 90% review meeting with Client.
3. Provide PDF format drawings and specifications for state submittals, bidding, and construction.
4. Submit drawings, specifications, calculations, and documentation as required for applicable agency reviews and permitting.

SCOPE OF SERVICES

B. ARCHITECTURAL DESIGN SERVICES

1. Planning (Preliminary Design)
 - a. Programming.
 - b. Schematic floor plans and elevations.
 - c. Basis of Design for building shell and interior finishes.
 - d. Initial code review.
2. Design
 - a. Develop architectural drawings and specifications.
 - b. Code review.
 - c. Prepare energy calculations (ComCheck).
3. Drawings to include title sheet, code sheets, floor and roof plans, building sections and elevation, architectural details, room finish and door schedules, and reflected ceiling plan.

C. STRUCTURAL DESIGN SERVICES

1. Planning (Preliminary Design)
 - a. Conceptual framing and foundation systems.
 - b. Basis of Design establishing systems and design loads.
2. Design
 - a. Develop structural drawings and specifications.
 - b. Structural design calculations. Design of structural system will be based on current Wisconsin Building Code.
3. Drawings include outline specifications and schedules, foundation and framing plans, and foundation and framing details.

D. BIDDING PHASE SERVICES

1. Assist with bidding documents.
2. Answer bidder questions.
3. Bid reviews and tabulation.

E. CONSTRUCTION PHASE SERVICES

1. Review shop drawings that pertain to McMahon designed items.
2. Respond to Requests for Information (RFIs).
3. Answer questions during the construction phase.
4. One site visit for DSPS compliance statement at the end of the project.

ITEMS NOT INCLUDED IN THE SCOPE OF SERVICES

The following is not intended to be a comprehensive list. It is intended to highlight general areas not included in the Scope of Services.

A. GENERAL

1. Redesign efforts necessitated by changes to site and building layout after planning phase approval or due to project budget reductions after bidding phase.
2. Permit/review fees to municipal/State agencies, including review and recording fees (McMahon will invoice as a reimbursable expense if required).
3. Geotechnical Services including soil borings, geotechnical report, and services during construction.
4. Reproduction of plans and specifications (McMahon will invoice as a reimbursable expense if required).
5. Construction administration services not stated herein including Owner's representation during construction.
6. Opinions of Probable Cost of Construction.
7. LEED administrative service, design and LEED commissioning.
8. Project BIM coordination.
9. Record drawings and certifications.
10. Record/final BIM model.
11. Civil / survey / stormwater design services (by Village Engineer).
12. HVAC / electrical / plumbing design services (to be design build).

B. ARCHITECTURAL / STRUCTURAL

1. Documentation of existing building conditions.
2. Finish color selections.
3. Renderings and animations.

CLIENT RESPONSIBILITIES

The Scope of Services and fee is based upon the understanding that Client will provide the following:

- A. Project information in a timely manner regarding requirements for and limitations to the project which shall establish the Clients objectives; schedule; constraints and criteria, including space requirements and relationships; flexibility; expansion requirements; equipment; systems and site requirements.
- B. Identify a representative authorized to act on the Client's behalf with respect to the project. Client shall render decisions and submittal reviews by McMahon in a timely manner in order to avoid unreasonable delays in the orderly and sequential progress of McMahon's services.
- C. Establish the overall project budget including the construction cost of the project, the Client's other costs, and reasonable contingency related to all these costs. The Client (or a third party retained by the Client) shall update the overall project budget as necessary throughout the duration of the project until completion.
- D. Payment of all review and recording fees required by the review agencies and County Register of Deeds, which are not included in this Agreement.
- E. Geotechnical Report prepared by a Geotechnical Engineer stating the allowable soil bearing pressures and recommend foundation system.
- F. Coordinate the services of its own consultants with those services provided by McMahon.
- G. Sustainability requirements for the project.
- H. Access to the site and existing drawings.
- I. Receipt and review of bids.
- J. Marking of private utilities.

SPECIAL TERMS & CONDITIONS

A. AGREEMENT CONFIDENTIALITY

Client agrees that the Project Description, Scope of Services and Compensation sections contained in this Agreement, pertaining to this project or any addendum thereto, are considered confidential and proprietary, and shall not be released or otherwise made available to any third party, prior to the execution of this Agreement, without the expressed written consent of the McMahon Associates, Inc.

Refer also to the General Terms and Conditions, attached to this Agreement.

COMPENSATION

McMahon Associates, Inc. agrees to provide the Scope of Services described above for the following Time and Expense compensation.

PLANNING SERVICES FEE

- Planning & Design Services\$24,800.00
- DSPS / E-Plan Exam Review Fees (Budget)\$400.00

COMPLETION SCHEDULE

McMahon Associates, Inc. agrees to complete this project as follows:

- Complete planning and design phase within six to eight weeks after authorization to proceed and we recommend four weeks for the bid phase.

Please note that the pace of DSPS / E-Plan Exam reviews and approvals for site related submittals may impact the design completion schedule. Assume four to six weeks for approvals.

ACCEPTANCE

The General Terms & Conditions and the Scope of Services (defined in the above Agreement) are accepted, and McMahon Associates, Inc. is hereby authorized to proceed with the services. The Agreement fee is firm for acceptance within sixty days from date of this Agreement.

VILLAGE OF SISTER BAY

2383 Maple Drive
Sister Bay, WI 54234

McMAHON ASSOCIATES, INC.

1445 McMahon Drive | PO Box 1025
Neenah, WI 54956 | 54957-1025
920.751.4200 | MGMGRP.COM

Authorized Signature

Michael A. Martin, AIA
Associate / Senior Architect

Date

January 13, 2025
Date

Attachments: General Terms and Conditions
Fee Schedule
Reimbursable Schedule



McMAHON ASSOCIATES, INC. GENERAL TERMS & CONDITIONS

MAY 10, 2024

1. STANDARD OF CARE

- 1.1 **Services:** McMahon Associates, Inc. (McMahon) shall perform services consistent with the professional skill and care ordinarily provided by engineers/architects practicing in the same or similar locality under the same or similar circumstances. McMahon shall provide its services as expeditiously as is consistent with such professional skill and care and the orderly progress of the Project.
- 1.2 **Client's Representative:** McMahon intends to serve as the Client's professional representative for those services, as defined in this Agreement, and to provide advice and consultation to the Client as a professional. Any opinions of probable project costs, approvals and other decisions made by McMahon for the Client are rendered based on experience and qualifications and represent our professional judgment. This Agreement does not create, nor does it intend to create a fiduciary relationship between the parties.
- 1.3 **Warranty, Guarantees, Terms and Conditions:** McMahon does not provide a warranty or guarantee, expressed or implied, for professional services. This Agreement or contract for services is not subject to the provisions of uniform commercial codes. Similarly, McMahon will not accept those terms and conditions offered by the Client in its purchase order, requisition or notice of authorization to proceed, except as set forth herein or expressly accepted in writing. Written acknowledgment of receipt, or the actual performance of services subsequent to receipt, of any such purchase order, requisition or notice of authorization to proceed is specifically deemed not to constitute acceptance of any terms or conditions contrary to those set forth herein.

2. PAYMENT AND COMPENSATION

- 2.1 **Invoices:** McMahon will bill the Client monthly with net payment due in 30-days. Past due balances shall be subject to an interest charge of 1.0% per month. Client is responsible for interest charges on past due invoices, collection agency fees and attorney fees incurred by McMahon to collect all monies due McMahon. Client is responsible for all taxes levied on professional services and on reimbursable expenses. McMahon and Client hereby acknowledge that McMahon has and may exercise lien rights on subject property.
- 2.2 **Reimbursables:** Expenses incurred by McMahon for the project including, but not limited to, equipment rental will be billed to the Client at cost plus 10% and sub-consultants at cost plus 12%. When McMahon, after execution of an Agreement, finds that specialized equipment must be purchased to provide special services, the cost of such equipment will be added to the agreed fee for professional services only after the Client has been notified and agrees to these costs.
- 2.3 **Changes:** The stated fees and Scope of Services constitute McMahon's professional opinion of probable cost of the fees and tasks required to perform the services as defined. For those projects involving conceptual or process development services, activities often cannot be fully defined during initial planning. As the project progresses, facts uncovered may reveal a change in direction, which may alter the Scope. Changes by the Client during design may necessitate re-design efforts. McMahon will promptly inform the Client in writing of such situations so changes in this Agreement can be negotiated, as required.
- 2.4 **Delays and Uncontrollable Forces:** Costs and schedule commitments shall be subject to re-negotiation for delays caused by the Client's failure to provide specified facilities or information, or for force majeure delays caused by unpredictable occurrences, including without limitation, fires, floods, riots, strikes, unavailability of labor or materials, delays or defaults by suppliers of materials or services, process shutdowns, infectious diseases or pandemics, acts of God or the public enemy, or acts or regulations of any governmental agency. Temporary delay of services caused by any of the above, which results in additional costs beyond those outlined, may require re-negotiation of this Agreement.

3. INSURANCE

- 3.1 **Limits:** McMahon will maintain insurance coverage in the following amounts:

Worker's Compensation	Statutory
General Liability	
Bodily Injury - Per Incident/Annual Aggregate	\$1,000,000 / \$2,000,000
Automobile Liability	
Bodily Injury	\$1,000,000
Property Damage	\$1,000,000
Professional Liability Coverage	\$2,000,000

If the Client requires coverage or limits in addition to the above stated amounts, premiums for additional insurance shall be paid by the Client.

McMahon's liability to Client for any indemnity commitments, reimbursement of legal fees, or for any damages arising in any way out of performance of our contract or based on tort, breach of contract, or any other theory, is limited to ten (10) times McMahon's fee not to exceed to \$250,000.

- 3.2 **Additional Insureds:** Upon request and to the extent permitted by law, McMahon shall cause the primary and excess or umbrella policies for Commercial General Liability and Automobile Liability to include the Client as an additional insured for claims caused in whole or in part by McMahon's negligent acts or omissions. The additional insured coverage shall be primary and non-contributory to any of the Client's insurance policies and shall apply to both ongoing and completed operations.

To the extent permitted by law, Client shall cause the contractor, if any, to include McMahon as an additional insured on contractor's Commercial General Liability, Automobile Liability and Excess or Umbrella policies to include McMahon as an additional insured for claims caused in whole or in part by contractor's negligent acts or omissions. The additional insured coverage shall be primary and non-contributory to any of McMahon's insurance policies and shall apply to both ongoing and completed operations.

4. CLAIMS AND DISPUTES

- 4.1 **General:** In the event of a dispute between the Client and McMahon arising out of or related to this Agreement, the aggrieved party shall notify the other party of the dispute within a reasonable time after such dispute arises. The Client and McMahon agree to first attempt to resolve the dispute by direct negotiation.
- 4.2 **Mediation:** If an agreement cannot be reached by the Client and McMahon unresolved disputes shall be submitted to mediation per the rules of the American Arbitration Association. The Client and McMahon shall share the mediator's fee and any filing fees equally.
- 4.3 **Binding Dispute Resolution:** If the parties do not resolve a dispute through mediation the method of binding dispute resolution shall be litigation in a court of competent jurisdiction.

5. TERMINATION OR SUSPENSION

- 5.1 Client: Termination of this Agreement by the Client shall be effective upon seven (7) day written notice to McMahon. The written notice shall include the reasons and details for termination; payment is due as stated in above Section 2.
- 5.2 McMahon: If the Client defaults in any of the Agreements entered into between McMahon and the Client, or if the Client fails to carry out any of the duties contained in these Terms & Conditions, McMahon may, upon seven (7) days written notice, suspend its services without further obligation or liability to the Client unless, within such seven (7) day period, the Client remedies such violation to the reasonable satisfaction of McMahon.
- 5.3 Suspension for Non-Payment: McMahon may, after giving 48-hours' notice, suspend service under any Agreement until the Client has paid in full all amounts due for services rendered and expenses incurred.

6. COPYRIGHTS AND LICENSES

- 6.1 Instruments of Service: McMahon and its subconsultants shall be deemed the author and owner of their respective Instruments of Service (IOS), including the Drawings, Specifications, reports, and any computer modeling (BIM, etc.), and shall retain all common law, statutory and other reserved rights, including copyrights.
- 6.2 Licenses: McMahon grants to the Client a nonexclusive license to use McMahons' IOS solely and exclusively for the purposes of constructing, using, and maintaining the project, provided that the Client substantially performs its obligations under this Agreement, including prompt payment of all sums due.
- 6.3 Re-use: Use of IOS pertaining to this project by the Client for extensions of this project or on any other project shall be at the Client's sole risk and the Client agrees to defend, indemnify, and hold harmless McMahon from all claims, damages and expenses, including attorneys' fees arising out of such re-use of the IOS by the Client or by others acting through the Client.

7. AGREEMENT CONDITIONS

- 7.1 The stipulated fee is firm for acceptance by the Client within 60-days from date of Agreement publication.
- 7.2 Modifications: This Agreement, upon execution by both parties hereto, can be amended only by written instrument signed by both parties.
- 7.3 Governing Law: This Agreement shall be governed by the law of the place where the project is located, excluding that jurisdiction's choice of law rules.
- 7.4 Mutual Non-Assignment: The Client and McMahon, respectively bind themselves, their agents, successors, assigns and legal representatives to this Agreement. Neither the Client nor McMahon shall assign this Agreement without the written consent of the other.
- 7.5 Severability: The invalidity of any provision of this Agreement shall not invalidate the Agreement or its remaining provisions. If it is determined that any provision of the Agreement violates any law, or is otherwise invalid or unenforceable, then that provision shall be revised to the extent necessary to make that provision legal and enforceable. In such case the Agreement shall be construed, to the fullest extent permitted by law, to give effect to the parties' intentions and purposes in executing the Agreement.
- 7.6 Third Party: Nothing contained in this Agreement shall create a contractual relationship with, or a cause of action, in favor of a third party against McMahon.

8. MISCELLANEOUS PROVISIONS

- 8.1 Additional Client Services: The Client agrees to provide such legal, accounting and insurance counseling services as may be required for the project for the Client's purpose.
- 8.2 Means and Methods: McMahon is not responsible for direction or supervision of construction means, methods, techniques, sequence, or procedures of construction selected by contractors or subcontractors, or the safety precautions and programs incident to the work of the contractors or subcontractors.
- 8.3 Purchase Orders: In the event the Client issues a purchase order or other instrument related to McMahon's services, it is understood and agreed that such document is for Client's internal accounting purposes only and shall in no way modify, add to, or delete any of the terms and conditions of this Agreement. If the Client does issue a purchase order, or other similar instrument, it is understood and agreed that McMahon shall indicate the purchase order number on the invoice(s) sent to the Client.
- 8.4 Project Maintenance: The Client (or Owner if applicable) shall be responsible for maintenance of the structure, or portions of the structure, which have been completed and have been accepted for its intended use. All structures are subject to wear and tear, and environmental and man-made exposures. As a result, all structures require regular and frequent monitoring and maintenance to prevent damage and deterioration. Such monitoring and maintenance is the sole responsibility of the Client or Owner. McMahon shall have no responsibility for such issues or resulting damages.
- 8.5 Consequential Damages: Notwithstanding any other provision of the Agreement, neither party shall be liable to the other for any consequential damages incurred due to the fault of the other party, regardless of the nature of this fault or whether it was committed by the Client or the Design Professional, their employees, agents, subconsultants or subcontractors. Consequential damages include, but are not limited to, loss of use and loss of profit.
- 8.6 Corporate Protection: It is intended by the parties to this Agreement that McMahon's services in connection with the project shall not subject McMahon's individual employees, officers, or directors to any personal legal exposure for the risks associated with this project. Therefore, and notwithstanding anything to the contrary contained herein, the Client agrees that as the Client's sole and exclusive remedy, any claim, demand, or suit shall be directed and/or asserted only against McMahon, a Wisconsin corporation, and not against any of McMahon's employees, officers, or directors.
- 8.7 Contingency: McMahon's professional services are not a warranty or guarantee. The project will evolve and be refined over time. The Client shall provide appropriate contingency for design and construction costs consistent with the reasonable progression of the project. The Client and McMahon agree that revisions due to design clarifications or omissions which result in changes in work during the construction phase which amount to 5% or less of construction costs shall be deemed within the contingency and consistent with the professional standard of care. The Client agrees to make no claim for costs related to changes in work within this threshold. Claims in excess of this threshold shall be resolved per the dispute resolution process.
- 8.8 Project Costs Associated with Agency Plan Review: McMahon will not be responsible for additional project costs due to changes to the design, construction documents, and specifications resulting from the agency plan review process. The project schedule shall either allow for the agency plan review process to occur prior to the Bid Phase or if this review occurs after the Bid Phase the Client agrees that any additional costs would be considered part of the project contingency.
- 8.9 Hazardous Materials: McMahon shall have no responsibility for the discovery, presence, handling, removal, or disposal of, or exposure of person to, hazardous materials or toxic substance in any form at the project site.
- 8.10 Climate: Design standards which exceed the minimum requirements within current codes and regulations are excluded. If requested by the Client, climate-related design services or evaluations can be provided for additional compensation.



FEE SCHEDULE | 2025

McMahon Associates, Inc.

Effective: 01/01/2025

LABOR CLASSIFICATION	HOURLY RATE
Principal	\$210.00
Senior Project Manager	\$190.00 - \$210.00
Project Manager	\$140.00 - \$180.00
Senior Engineer	\$190.00 - \$200.00
Engineer	\$110.00 - \$180.00
Senior Engineering Technician	\$140.00 - \$150.00
Engineering Technician	\$80.00 - \$130.00
Senior Architect	\$175.00 - \$195.00
Architect	\$150.00 - \$170.00
Senior Designer	\$125.00 - \$145.00
Designer	\$95.00 - \$115.00
Senior Land Surveyor	\$135.00 - \$180.00
Land Surveyor	\$125.00
Land Surveyor Technician	\$90.00 - \$110.00
Surveyor Apprentice	\$75.00
Erosion Control Technician	\$95.00
Senior Hydrogeologist	\$210.00
Senior Ecologist	\$200.00
Environmental Scientist	\$105.00 - \$120.00
Senior G.I.S. Analyst	\$180.00
G.I.S. Analyst	\$100.00 - \$120.00
Wetland Delineator	\$120.00
Senior Wetland Delineator	\$150.00
Municipal Planner	\$170.00
Senior Public Management Specialist	\$165.00
Public Management Specialist	\$135.00
Senior Public Safety Specialist	\$165.00
Public Safety Specialist	\$135.00
Building Inspector Specialist	\$135.00
Water / Wastewater Specialist	\$110.00 - \$140.00
Senior On-Site Project Representative	\$125.00
On-Site Project Representative	\$65.00 - \$110.00
K-12 Administrative Specialist	\$130.00
State Plan Reviewer	\$150.00
Certified Grant Specialist	\$150.00
Graphic Designer	\$115.00
Senior Administrative Assistant	\$95.00 - \$105.00
Administrative Assistant	\$85.00
Intern	\$50.00 - \$75.00
Professional Witness Services	\$380.00

This Fee Schedule is subject to revisions due to labor rate adjustments and interim staff or corporate changes.

NEENAH, WISCONSIN CORPORATE HEADQUARTERS

Street Address:
1445 McMAHON DRIVE
NEENAH, WI 54956
Mailing Address:
P.O. BOX 1025
NEENAH, WI 54957-1025
Ph 920.751.4200 | Fax 920.751.4284
Email: MCM@MCMGRP.COM
Web: WWW.MCMGRP.COM

1700 HUTCHINS ROAD
MACHESNEY PARK, IL 61115
Ph 815.636.9590 | Fax 815.636.9591
Email: MCMAHON@MCMGRP.NET
Web: WWW.MCMGRP.COM

952 SOUTH STATE ROAD 2
VALPARAISO, IN 46385
Ph 219.462.7743 | Fax 219.464.8248
Email: MCM@MCMGRP-IN.COM
Web: WWW.MCMGRP.COM



REIMBURSABLE EXPENSE SCHEDULE * | 2025

McMahon Associates, Inc.

Effective: 01/01/2025

DESCRIPTION	RATE
REIMBURSABLE EXPENSES:	
Commercial Travel	1.1 of Cost
Delivery & Shipping	1.1 of Cost
Meals & Lodging	1.1 of Cost
Review & Submittal Fees	1.1 of Cost
Outside Consultants	1.12 of Cost
Photographs & Models	1.1 of Cost
Misc. Reimbursable Expenses & Project Supplies	1.1 of Cost
Terrestrial Laser Scanner	\$1,500.00
REIMBURSABLE UNITS:	
Copy Charges - Black & White	\$0.08/Image
Copy Charges - Color / 8½" x 11"	\$0.45/Image
Copy Charges - Color / 8½" x 14" and 11" x 17"	\$0.75/Image
Mileage	\$0.81/Mile
Mileage - Truck/Van	\$1.11/Mile
All-Terrain Vehicle	\$100.00/Day
Global Positioning System (GPS)	\$21.00/Hour
Hand-Held Global Positioning System (GPS)	\$15.00/Hour
Robotic Total Station	\$20.00/Hour
Survey Hubs	\$0.50/Each
Survey Lath	\$1.00/Each
Survey Paint	\$7.15/Can
Survey Ribbon	\$3.00/Roll
Survey Rebars - 1¼"	\$10.00/Each
Survey Rebars - ¾"	\$3.50/Each
Survey Rebars - 5/8"	\$3.50/Each
Survey Iron Pipe - 1"	\$4.50/Each
Survey Steel Fence Post - 1"	\$7.75/Each
Control Spikes	\$2.50/Each
Pin Flags	\$0.30/Each

NEENAH, WISCONSIN
CORPORATE HEADQUARTERS

Street Address:
1445 McMAHON DRIVE
NEENAH, WI 54956

Mailing Address:
P.O. BOX 1025
NEENAH, WI 54957-1025
Ph 920.751.4200 | Fax 920.751.4284

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1700 HUTCHINS ROAD
MACHESNEY PARK, IL 61115
Ph 815.636.9590 | Fax 815.636.9591
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Web: WWW.MCMGRP.COM

* This schedule is not all inclusive.

DISCUSSION/ACTION ITEMS

AGENDA ITEM NO. 5(d)
TRAIL UPDATES



STAFF REPORT

TRAIL UPDATES

Date: February 3, 2025

Board/Committee: Parks, Property & Streets Committee

Re: Trails

Author: Julie A. Schmelzer, Village Administrator

I was asked to give an update on the trail projects previously discussed. In January I provided an update in the meeting packet; this update will delve more into this past year's activities and what has transpired since the last meeting.

Highway 57

In January of 2024 the committee had a lengthy discussion on the Highway 57 trail route (draft plan was completed in October 2023, presented again at the January 2024 meeting) and easements, and the triangle of unused village land we would transfer to Birchwood Lodge.

In April 2024 I gave an update on which property owners had not responded to our request for an easement and that we would have to extend into the right-of-way in some areas. At that time we also discussed eventually extending the trail further south to the village boundary. The committee was informed Stantec would try to work with those owners we had not received approval to cross their land.

In June 2024 we received word we were awarded a TAP grant for construction; the amount was \$906,389.

Most of the second half of 2024 was spent trying to get approval to go over two properties we had not received responses from the previous year and doing the design work. Stantec spent months working with one owner and late in 2024 we decided we couldn't wait for approval any longer and he should proceed with completing the design.

Final design was completed in December 2024, and an update given at last month's meeting. Since that time I had another conversation with DOT on the special contract language they would need, once we award a contract. I am working on the RFP for the engineering.

Highway 42

All of 2024 was spent finalizing the conceptual route design from 2023, funded by a Destination Door County Community Investment Fund grant (2023). In spring of 2024 I met with the town of Liberty Grove to get a letter from them supporting Sister Bay seeking grants for a trail in their jurisdiction, constructing it, and maintaining it.

In October 2024 I received another draft of the design, but as reported last month, Stantec is still working on a final design and engineering that portion of the trail that will be off the ground/elevated (as shown in the diagram shared last month). Once designed, we can start applying for grants.

Woodland Trail (aka Fire Station Trail)

This route was conceptually designed in 2023 and included a boardwalk and occasional fitness stations. As explained during the budget process, we need a wetland delineation and DNR permit to proceed, which can take about a year, before we can go any further. Money (\$55,000) was put in the budget (CIP) for this year, but on January 7, 2025, the Finance Committee determined we should not spend the money. To proceed, we could use our Community Development Fund (funded by state permits). As explained last year, having the delineation and permits would allow us to apply for grants for the eventual construction.

DISCUSSION/ACTION ITEMS

AGENDA ITEM NO. 5(e)
BROADBAND UPDATES



STAFF REPORT

BROADBAND UPDATE

Date: February 3, 2025

Board/Committee: Parks, Property & Streets Committee

Re: Status Update

Author: Julie A. Schmelzer, Village Administrator

Bertram has provided the following update. Also, I will share plans of the project at our meeting on Monday. (Representatives from Bertram will try to join us via Zoom if their schedule allows.)

1. The contractor, 5 Star, has all the permitting paperwork required and will secure permits in the coming month. They have worked with the DNR to improve their review time, and do not anticipate delays in securing permits from them.
2. No construction has occurred in that the frost can cause landscaping issues. They are fearful if they disrupt too much ground, their costs to repair the damage will exceed what was budgeted. Unfortunately, repair work is hard to predict, as it's been a mild winter. The frost level and lack of snow cover have side effects for installation.
3. We have 367 residents that signed up for drops, and not all of them are signed up for service (this includes COAs and HOAs). Bertram reports that is very low for a project, but if more people ask for drops once the project has started, that will change the timeline for others to be activated. The plan that was available to keep within the tight contract timeframe was for Bertram to go down one street and up another. If they have to 'ping-pong around' to complete the project, they feel there will be no way to complete the project within the contracted timeframe.

DISCUSSION/ACTION ITEMS

AGENDA ITEM NO. 5(f)
PUBLIC SPACE AUDITS



STAFF REPORT

PUBLIC SPACE AUDITS

Date: February 3, 2025

Board/Committee: Parks, Property & Streets Committee

Re: Do Good Door County Audits

Author: Julie A. Schmelzer, Village Administrator

This was deferred from the last meeting. The audits are attached again for your convenience.



Report for Sister Bay: Sports Complex Public Space Audit

Date: October 19, 2024

Location: Sports Complex, Sister Bay, WI

Conducted by: Do Good Door County

1. Description of the Location

The Sister Bay Sports Complex is a large public sports facility located on Autumn Court. The complex includes various sports fields and courts, such as baseball, basketball, soccer, ice skating, batting cages, and tennis courts, designed to cater to recreational and organized sports activities. It occupies a significant open space and is set within a commercial and residential area.

2. Surrounding Area

The complex is situated in a mixed-use area that includes nearby residences, a dog park, and commercial businesses. This diverse surrounding area provides a unique backdrop for community activities, attracting both local residents and visitors.

3. Atmosphere and Feelings in the Space

- **Comfortable:** Agree
- **Playful:** Strongly Agree
- **Relaxed:** Disagree
- **Safe:** Agree
- **Social:** Agree

The expansive, open nature of the sports complex makes it a welcoming space for youth and families, though it has limited wheelchair and walker accessibility. The complex is highly suitable for active sports but lacks elements that promote a relaxed atmosphere.

4. Usage Patterns

The Sister Bay Sports Complex is frequently used during the warmer months, especially in spring and summer, with limited activities in winter. Most of the activity occurs during the day, with some events and gatherings extending into the evening, depending on the season.

- **Spring:** High use
- **Summer:** High use
- **Fall:** Moderate use
- **Winter:** Low use
- **Daytime:** Frequent
- **Nighttime:** Some



5. Evaluation of Features

- **Cleanliness:** Fair
- **Drinking Fountains:** None
- **Lighting:** Fair
- **Places to Be Physically Active:** Good
- **Places to Eat/Drink:** Poor
- **Places to Sit:** Poor
- **Restrooms:** Fair to Poor (limited facilities)
- **Shelter from Weather:** Poor
- **Street Noise:** None
- **Trees and Landscaping:** Fair

While the complex is generally functional, it lacks drinking fountains, adequate seating, and proper shelter from weather. Improvements in cleanliness, lighting, and landscaping would enhance the space.

6. Connectivity

- **Walking:**
 - The streets in or adjacent to the location have sidewalks. - Disagree
 - There are clear directional signs or visual cues to guide people to the space. - Disagree
 - There are pedestrian signals at intersections. - Disagree
 - The signals provide adequate crossing time for slower walkers. - Disagree
 - There are signals or design elements for blind/visually impaired pedestrians. - Disagree
 - Sidewalks and crossings are accessible for people using mobility aids (e.g., a wheelchair). - Disagree
 - There are traffic calming features (e.g., speed bumps) in the area. - Disagree
- **Cycling:**
 - There are designated bike lanes or trails connected to the space. - Disagree
 - There is a secure place to park your bike in the space. - Disagree

The sports complex lacks basic connectivity features, including sidewalks, pedestrian signals, bike lanes, and signage, which limits accessibility and ease of navigation for visitors, especially those with mobility challenges.

7. Likelihood to Recommend for Older Relatives or Children

- **Likelihood:** Somewhat Likely

The complex's recreational focus makes it suitable for younger visitors and families, but improvements in accessibility, seating, and signage would enhance its appeal to a broader age group.

8. Opportunities for Improvement

Accessible Playground Addition: Adding an accessible playground would make the complex more inclusive for young families and children of all abilities, expanding the park's family-friendly offerings.



Enhanced Intergenerational Event Space: The complex's spacious layout could host intergenerational events, such as family sports days, outdoor movie nights, and community gatherings, making it a versatile venue for all ages.

Upgrade Existing Gazebo and Pavilion: The existing small gazebo and pavilion areas could be enhanced to include accessible features. Installing accessible picnic tables within and around the pavilion would create inclusive gathering spaces where all visitors can participate comfortably.

Improved Seating and Picnic Areas: Additional benches with back support and armrests, as well as accessible picnic tables near high-use areas, would increase comfort for older adults and families. Enhancing these social spaces would make the complex more welcoming for visitors of all ages and abilities.

9. Challenges Observed

Aged Facilities and Seating: The complex has older buildings and worn benches with no armrests, which reduces comfort, particularly for older adults. Updated areas for seating and concessions would improve accessibility and comfort.

Limited Accessibility Across Complex: Wheelchair and walker accessibility is limited, affecting visitors' ability to move between different areas. Pathways to all main facilities and fields would enhance usability for people with mobility challenges.

Inadequate Signage and Wayfinding: The complex lacks clear directional signage, making it difficult for visitors to navigate, particularly for first-time users. Improved wayfinding signage would greatly aid accessibility and visitor experience.

Insufficient Restroom Facilities: There is only one restroom, rated as fair to poor, limiting convenience during high-traffic events. Expanding or upgrading restroom facilities would better meet visitor needs, especially for families and older adults.

Parking Accessibility: Limited accessibility from the different parking lots to other areas of the park makes navigation challenging for those with mobility issues.

Lack of Weather Shelters: The park currently has only one pavilion and one small out-building with a weather-protective structure, limiting its usability during inclement weather or extreme sun exposure.

Additional Recommendations

1. Accessibility Enhancements

Pathway Improvements: Add accessible pathways throughout the complex to improve mobility for visitors using wheelchairs, walkers, or strollers. Consider installing graded, slip-resistant surfaces leading to popular areas such as sports fields, seating, and restrooms.



Parking Accessibility: Increase the number of accessible parking spaces near main entrances, along with signage to designated accessible routes. A drop-off area for families and individuals with mobility challenges would facilitate entry.

2. Seating and Shelter

Additional Seating: Install durable benches with backrests and armrests along walkways and near sports fields. This would provide resting spots for older adults and other visitors needing supportive seating.

Weather Shelters and Shade: Build small pavilions or shade structures to provide shelter from sun and rain, creating a more comfortable environment for visitors and spectators.

3. Signage and Wayfinding

Clear Wayfinding Signage: Install signage at the main entrances and along pathways to guide visitors to restrooms, sports fields, accessible routes, and spectator areas.

Directional Signs for Accessibility: Use universally recognized symbols to indicate accessible areas and key amenities, ensuring ease of navigation for all visitors.

4. Lighting and Safety Features

Improved Lighting: Upgrade the lighting around walkways and parking areas for better visibility during evening hours. Adding energy-efficient, solar-powered lights could enhance nighttime safety while reducing operational costs.

Traffic Calming Features: Add speed bumps or other traffic-calming measures around the complex to ensure safe crossings, especially near entrances and parking lots.

5. Restroom and Amenities Improvements

Restroom Accessibility: Improve the number of restroom facilities to include additional stalls and accessible features, such as handrails and discreet disposal bins for sharps and incontinence products.

Drinking Fountains and Hydration Stations: Install drinking fountains and hydration stations near high-traffic areas. Ensure these are wheelchair-accessible and well-maintained for regular use.

6. Programming and Community Engagement

Intergenerational Activities: Introduce events and programs that appeal to different age groups, such as family-friendly sports days, youth clinics, and adult leagues. This approach would foster community connection and inclusivity.

Community Gathering Spaces: Consider adding a small gazebo or picnic area as a designated social space for families and groups, which could also serve as a meeting point for various community events.



7. Aesthetic and Maintenance Enhancements

Landscaping and Visual Appeal: Refresh the landscaping around the complex with native plants and trees to provide shade and visual appeal. Regular maintenance of these areas would contribute to a more inviting environment.

Upgrade Seating: Replace worn benches with newer, more comfortable, accessible seating options to increase overall comfort and usability.

8. Technology Integration

Public Wi-Fi Access: Install public Wi-Fi throughout the park to enhance visitor experience, allowing access to event information, social media engagement, or remote work options.

Solar-Powered Digital Signage: Add digital signage powered by solar energy to provide updates on events, park rules, and accessible routes. This would ensure real-time communication with visitors, especially during peak seasons or events.

Conclusion

The Sister Bay Sports Complex is a valuable recreational asset, but targeted improvements in accessibility, connectivity, seating, signage, and programming would enhance its usability and inclusiveness. Implementing these changes would help the complex serve as a welcoming and accessible space for community members of all ages, creating a destination that promotes health, engagement, and social connection.



Report for Sister Bay: Waterfront Park Public Space Audit

Date: October 19, 2024

Location: Waterfront Park, Sister Bay, WI

Conducted by: Do Good Door County

1. Description of the Location

Waterfront Park is an expansive beachside public space located at the intersection of Mill Street and Highway 42/57, with scenic views of Lake Michigan. This park offers a mix of passive recreation areas, including a pavilion, tree-lined pathways, landscaped benches overlooking the water, a small playground, and beach front. It serves as a tranquil destination for residents and visitors seeking to relax and enjoy nature, making it ideal for community events, social gatherings, and individual reflection.

2. Surrounding Area

Waterfront Park is situated in a mixed-use area in downtown Sister Bay, close to local businesses, a post office, municipal buildings, resorts, and private residences. Its central location near other popular destinations makes it a convenient and accessible recreational area for both locals and tourists.

3. Atmosphere and Feelings in the Space

- **Comfortable:** Strongly Agree
- **Playful:** Strongly Agree
- **Relaxed:** Strongly Agree
- **Safe:** Strongly Agree
- **Social:** Agree

Waterfront Park's environment, enhanced by benches facing the lake, tree-lined paths, and a variety of landscapes, promotes a relaxed, enjoyable space for individuals and small group gatherings.

4. Usage Patterns

The park experiences high use in the summer and sees less activity in other seasons, with limited use during winter. It is more active during daytime hours and primarily attracts young adults, adults aged 40-64, and fewer older adults and teens.

- **Spring:** Moderate use
- **Summer:** High use
- **Fall:** Moderate use
- **Winter:** Minimal use
- **Daytime:** Frequent
- **Nighttime:** Some, Limited



5. Evaluation of Features

- **Cleanliness:** Good
- **Drinking Fountains:** Good
- **Lighting:** Poor
- **Places to Be Physically Active:** Good
- **Places to Eat/Drink:** Good
- **Places to Sit:** Fair
- **Restrooms:** Good
- **Shelter from Weather:** None
- **Street Noise:** Fair
- **Trees and Landscaping:** Good

While Waterfront Park is generally well-maintained, it lacks adequate lighting and weather shelters, and the current seating options could be expanded to better accommodate older adults and those with mobility aids.

6. Connectivity

- **Walking:**
 - The streets in or adjacent to the location have sidewalks. - Agree
 - There are clear directional signs or visual cues to guide people to the space. - Disagree
 - There are pedestrian signals at intersections. - Disagree
 - The signals provide adequate crossing time for slower walkers. - Disagree
 - There are signals or design elements for blind/visually impaired pedestrians. - Disagree
 - Sidewalks and crossings are accessible for people using mobility aids (e.g., a wheelchair). - Agree
 - There are traffic calming features (e.g., speed bumps) in the area. - Agree
- **Cycling:**
 - There are designated bike lanes or trails connected to the space. - Disagree
 - There is a secure place to park your bike in the space. - Agree

7. Likelihood to Recommend for Older Relatives or Children

- **Likelihood:** Likely

The park's natural beauty and amenities make it inviting for older adults. However, improvements in accessibility, seating, and shelter would increase its inclusivity and usability for all ages.

8. Opportunities for Improvement

Enhanced Accessibility: Adding ramps and accessible pathways to reach additional seating areas and viewing spots.

Inclusive Play Areas: Introducing playground equipment suitable for all abilities.

Wayfinding Signage: Installing clear signage to guide visitors to accessible routes, scenic areas, and key park amenities.



9. Challenges Observed

Parking Accessibility: Limited accessibility from the parking lot and the cobblestone paths near the beach make navigation challenging for those with mobility issues.

Limited Signage: The absence of clear wayfinding signage restricts ease of movement, especially for those unfamiliar with the area or needing accessible routes.

Lack of Weather Shelters: The park currently has an area on only one side with a weather-protective structure, limiting its usability during inclement weather or extreme sun exposure.

Additional Recommendations

1. Accessibility Enhancements

Pathway Improvements: Install smooth, graded, accessible pathways throughout the park, particularly in areas leading to seating, viewing spots, and the pavilion. This would accommodate strollers, wheelchairs, and walkers and improve usability for visitors with mobility aids.

Parking Accessibility: Add designated, accessible parking spots close to the main park entrances, along with improved pathways from these parking areas to main park features. Incorporating signage for accessible routes and designated drop-off zones would facilitate better entry for those with mobility challenges.

2. Seating and Comfort

Additional Seating: Increase the number of benches, particularly along walkways and near scenic areas. Seating should include options with back support and armrests to accommodate older adults and visitors needing support.

Shaded and Weather-Protected Areas: Install shaded areas, either through canopies, or temporary structures like umbrellas, to provide shelter from sun and rain. This would encourage longer stays and year-round use.

Picnic Areas with Accessibility Features: Install accessible picnic tables with extended tops to allow easy access for wheelchairs, creating a more inclusive and social dining environment.

3. Signage and Wayfinding

Clear Wayfinding Signage: Install clear, visible signage throughout the park, especially at entrances and intersections, directing visitors to accessible routes, scenic areas, seating, restrooms, and drinking fountains.

Interactive Signage and Maps: Consider interactive or digital signage at the main entrance to provide real-time information on park features, accessible routes, and upcoming events. This would enhance visitor orientation and allow for quick, accessible navigation.



4. Lighting and Safety

Improved Lighting: Ensure even, pedestrian-scale lighting along pathways, parking areas, and around the pavilion to improve nighttime visibility and safety. Solar-powered lighting could provide an energy-efficient option that supports sustainable park operations.

Traffic Calming Measures: Introduce additional traffic-calming features, such as speed bumps or curb extensions near park entrances, to improve safety for pedestrians, especially those crossing streets to reach the park.

5. Restroom and Amenities Improvements

Accessible Restrooms: Retrofit restrooms to include discreet, accessible disposal bins for sharps and incontinence products.

Drinking Fountains and Hydration Stations: Install additional accessible drinking fountains or hydration stations near popular areas, ensuring they are wheelchair-friendly and well-maintained for year-round use.

6. Programming and Community Engagement

Year-Round Activities and Events: Develop a programming calendar that includes seasonal events, such as outdoor exercise, guided community walks, and intentional intergenerational events. These activities would boost year-round engagement and create opportunities for community connection.

Multigenerational Spaces: Designate spaces within the park for different age groups, including the play area for children, meeting space for teenagers, and quiet zones for older adults, to enhance inclusivity and provide variety.

7. Technology Integration

Public Wi-Fi Access: Install public Wi-Fi throughout the park to enhance visitor experience, allowing access to event information, social media engagement, or remote work options.

Solar-Powered Digital Signage: Add digital signage powered by solar energy to provide updates on events, park rules, and accessible routes. This would ensure real-time communication with visitors, especially during peak seasons or events.

Conclusion

Waterfront Park offers a scenic, serene setting with a variety of amenities that can attract visitors year-round. By implementing the recommended improvements in accessibility, seating, wayfinding, lighting, and programming, the park can become a more inclusive, vibrant community space that caters to people of all ages and abilities. These enhancements would further establish Waterfront Park as a welcoming destination for relaxation, recreation, and social connection.

DISCUSSION/ACTION ITEMS

AGENDA ITEM NO. 5(g)
VILLAGE VOLUNTEER DAY



STAFF REPORT

VOLUNTEER DAY

Date: February 3, 2025

Board/Committee: Parks, Property & Streets Committee

Re: Create An Annual Volunteer Day

Author: Julie A. Schmelzer, Village Administrator

This was discussed last month and further discussion is to occur at the February meeting. Minutes read,

The suggestion has been made that Village officials consider establishing a "Volunteer Day" in the Village. Discussion took place regarding this issue, and it was the consensus that at some point a list of potential volunteer opportunities should be created and maintained in the Village Office. It was also the consensus that all of the Trustees as well as Village staff members should be encouraged to work alongside the members of the community who do volunteer. Bhirdo indicated that she believes a "good starting point" would be to do something that recognizes "Earth Day", which has been scheduled for Tuesday, April 22, 2025, and the other Committee members concurred. It was the consensus that further discussion shall take place regarding this issue at the next meeting of the Committee.

A quick update on Earth Day: The Green Tier Legacy Community Committee is planning activities for that week and month, notably a poster highlighting our recycling events and pollutant information, offering the tree giveaway like they did in 2024, and working on a reusable shopping bag program (offering bags but also a way people can offer their bags for reuse by others needing bags).

DISCUSSION/ACTION ITEMS
AGENDA ITEM NO. 5(h)
EMPLOYEE RECOGNITION
BENCHES

**STAFF REPORT****BENCH PROGRAM**

Date: February 3, 2025

Board/Committee: Parks, Property & Streets Committee

Re: Bench Recognition Idea

Author: Julie A. Schmelzer, Village Administrator

It was decided last year that staff is to annually give the committee an update on the cost to build benches for the bench program. Erik has provided that in your packet.

Erik also had the idea of using some of our benches (that have not been sponsored) to honor employees that served 20 or more years to the village. There are five, possibly six, people that provided 20 or more years of service. This needs committee approval to proceed.

DISCUSSION/ACTION ITEMS
AGENDA ITEM NO. 5(i)
STAFFING DISCUSSION



STAFF REPORT

DEPARTMENT STAFFING

Date: February 3, 2025

Board/Committee: Parks, Property & Streets Committee

Re: Proposed Staff Reduction Discussion

Author: Julie A. Schmelzer, Village Administrator

When Erik began working in the department there was a lot of maintenance items needing attention – buildings that needed repair, structures needing painting, paths not cleared, potholes that weren't filled, ditches unattended, stop signs and roadways not brushed. His staff has spent the past three years addressing the items and they are now 'caught up' and should only need to maintain what we have. As such, he does not believe he needs to fill the vacant full-time staff person, and instead proposes extending the part time seasonal hours to four days a week (from three) to address mowing and maintenance needs in summer.

Not filling the vacant position does mean however his crew has added pressure and needs to do additional work, typically in summer, but by increasing the seasonal person's hours, it should be manageable. And, instead of working once every four weeks, they would work one weekend every three weeks. It also means more work for them during Fall Fest or other events staff has to assist with.

With the added work, Erik does feel the salary should be increased, especially since they would increase their weekend rotations.

Does the committee support not filling the position, increasing the seasonal part-time hours one day a week, and referring a salary increase to the Personnel Committee/Finance Committee?

AGENDA ITEM NO. 6
STAFF REPORT(S)



STAFF REPORT

ADMINISTRATOR'S REPORT

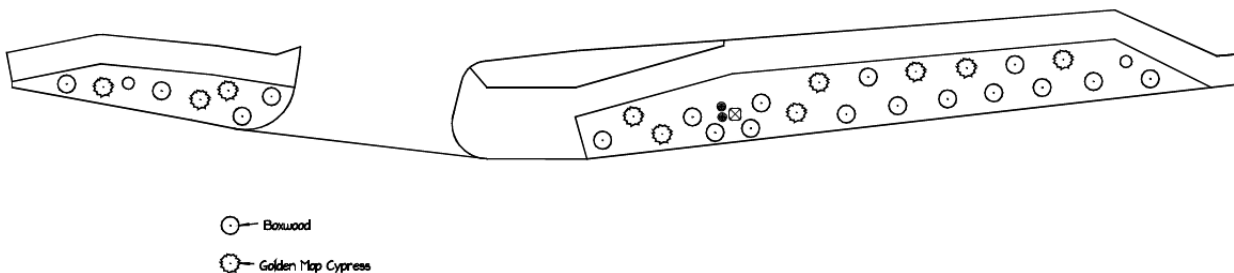
Date: February 3, 2025

Board/Committee: Parks, Property & Streets Committee

Author: Julie A. Schmelzer, Village Administrator

MILL ROAD LANDSCAPING

The landscaper has revised his plan per the committee's direction. See below. The revised cost estimate is \$5200. This was not budgeted, but is to be covered with Municipal Reimbursement Funds (per the Finance Committee, December meeting).



POST OFFICE UPDATE

This is an update from the January report: The post office did receive offers from property owners to relocate the post office. No decision has been made, but the locations would require buildings to be constructed, so I do not believe the post office will opt to relocate.

CHRISTKINDLMARKT

I met with John Nelson from the Historical Society this past month to discuss parking. John asked if there was anything the village could do to prevent parking further south on Hwy 57, so I reached out to the Town of Liberty Grove, who agreed to look into whether they can mark that portion of the highway as 'no parking'. We also discussed the need for them to have a reserve deputy monitor the parking situation; the village offered to help them get a reserve deputy for next year's event.

WILTSE ARESENIC UPDATE

BayLake Regional Planning has agreed to allocate some of their grant funding to pay for the Phase II environmental assessment. Basically, this funds a remediation plan to remove contaminated soils and cap them so a road can be brought into the site off of Highway 57.

CEMETERY BILLING

Annually we budget \$5000 for cemetery maintenance at the Pebble Beach cemetery, which is in Liberty Grove. The 2024 invoice was for \$8000, so it did exceed what we budgeted (\$5000). Moving forward this line item should be increased.

FUTURE PROJECTS

The Finance Committee referred the following two items to the committee for discussion. These items should be scheduled for discussion.

- Wayfinding signage
- Future use of the current Parks Maintenance Facility at 2313 Mill Road



PARKS & STREETS DIRECTOR'S REPORT

Date: February 02, 2025

Board/Committee: Parks, Property & Streets Committee

Author: Erik Linczmaier, Director

1. Staff has started inside work. Items on the to-do list are nautical can wood and rope replacement; changing booth repaint; re-roof and replace rotten wood; repaint post office parking bumpers; repaint Waterfront Bath's interior; repaint the fire station hallway and community/meeting room; rent carpet cleaner for fire station community/meeting room; fix electrical and mechanical issues for the 2006 Chevy truck Snowplow; reinforce the weld on the 2000 F350 snowplow driver side wing; fabricate a smaller snow shoot for the Trackless two stage blower; restore and refinish "Village of Sister Bay" park benches located at the sports complex; construct one memorial bench; repaint sports complex warming house white benches; and paint thirty replacement picnic table boards.
2. Staff has turned off electrical power to all Village Christmas decorations except for those located out at the sports complex. Staff has also begun the process of removing decoration from the field.
3. Ice rink update: The rink has been open for thirty plus days which is a good improvement over last year's nine days. The rink has been flooded around thirty times. The Ice rink manager has been able to hire three staff this year. General attendance on the weekends has been between 150-200 people throughout the day. Broomball league was canceled this year due to a lack of sign-up. The league has struggled the past couple of winters with the rink not being open. I'm waiting to hear back from Andrew, the Ice Rink Manager, regarding the number of skate rentals and other sales data.
4. Annual Parks Committee request: picnic table construction cost. Picnic table frame \$383.00 + shipping. Treated 2x10x8 currently cost \$11.80 per board at Wisconsin Building Supply. You will need five boards to complete one table for a total of \$59.00 for wood. A hundred count box of ¼ x 1 ¼ lag screws cost's \$17.00 at Ace. You will need 50 lag screws from that box to complete one table at a cost of \$8.50. Paint from ACE will cost \$50.00 a gallon. You will end up using around \$10.00 worth of that paint to apply two top coats and bottom. It will take one day to construct and paint this table at \$26.00 an hour totaling out to \$208.00 worth of labor. Total cost for the village to build one in 2025 is \$668.50. Last year I presented a total cost to construct a table at \$717.50. I priced two items incorrectly the frame for the table and cost of lag screws. Currently it will cost a resident a \$1000.00 to have a picnic table constructed by the parks department. I feel that this is still appropriate amount of money to charge to have this service done.
5. Swim dock update: I reached out to Summerset Marine and they are ready to make the necessary repairs to the swim dock. We are waiting for the DNR to issue the permit for the work to take place. Mike Kahr is handling the permit with the DNR and told me he hopes to have it soon.
6. Last Parks meeting the Christkindl Markt parking issue along HWY 57 got brought up. I was thinking about this problem over this last month. One option to explore to prevent parking along HWY 57 during that event is to have the Christkindl Markt organizer pay for a reserve deputy. This officer could then be parked along Hwy 57 and enforce the 'No parking' signs. Julie has informed me the Historical Society did discuss this for the 2024 event, but decided not to hire a reserve deputy, but has since reconsidered this and for 2025 will likely use our help in lining up a reserve deputy to monitor the parking.

7. Julie sent me an email from a company called NCLED this past month. They conduct free lighting audits and work with the Focus on Energy program. I had one of their auditor stop out and look at the sports complex and post office. Attached you will find the options and estimates – please let me know your thoughts on the proposals/schedule this for discussion, if concerned. (Note: Some lights exceeded 2700K and the company did agree they could install 2700K, we just wouldn't see the same savings.)

2' x 4' LED Back-Lit Flat Panel with Color and Wattage Selector

Catalog Number:	Project Name:	Note:	Date:	Type:
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8th Generation Flat Panel

Portor's 8th Generation BLP series produce industry-leading performance with deep energy savings and continuous dimming. The compact, slick profile produces uniform and glare free lumen output.

Perfect application for retail stores, schools, offices, markets and restaurant.



CONSTRUCTION

Cold-rolled steel and extruded aluminum frame, prefabricated paint with matte white finished. Slim profile design. Integrated T-Bar mounting clips built in onto the fixture. Easy installation

ELECTRICAL

Luminaire is built with the highest quality driver that is Universal Voltage (120V-27V), uses long lasting, highly-efficient LED packages.

DRIVER

Driver is fixed on the back of the panel or side to prevent mis-handling during shipment.

OPTICAL SYSTEM

Back-lit optics produces uniform light output, diffuser lens reduces glare and improve overall energy efficiency.

DIMMING

Continuous dimming (0-10V) comes standard.

ENERGY SAVINGS

Over 50% energy savings than traditionally fluorescent fixtures, low heat productions requires less maintenance and operation cost.

LISTING

UL Listed, DLC Listed

WARRANTY

5 Years Limited Warranty, Rated for 50,000 hours
(See Warranty documentation for details).

WATTAGE	DELIVERED LUMENS	EFFICACY
30W	3,300	110 lm/W
40W	4,400	
50W	5,500	

Based on 3500K, 80 CRI. Actual lumens may vary.

TECHNICAL SPECIFICATION

CCT	3500K/4000K/5000K
CRI	80+
DIMMABLE	0-10V dimmable
VOLTAGE	120V-277V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	>0.9
THD	≤20%
DRIVER EFFICIENCY	>85%
RATING	IP40, Suitable for damp locations
WARRANTY	5 year limited



ORDERING SAMPLE: - - - -

Series	Size	CCT/Wattage
PT-BLP8-24-3CP		(CCT: 3500K/4000K/5000K) (Wattage: 30W/40W/50W)

Accessories/Options (Sold separately)			
EM Battery	Surface/Flange Kit	Pendant Cable	Other
___ Blank PT-EMG-8W PT-EMG-15W	___ Blank SMK-BLP-24 FK-24	___ Blank A-CBL-BLP-224	___ Blank JP-BPL MC-5W-SC-6F MC-6W-SC-6F MC-5W-SN-HD3-6F MC-6W-SN-HD3-6F

2' x 4' LED Back-Lit Flat Panel with Color and Wattage Selector

Catalog Number:	Project Name:	Note:	Date:	Type:
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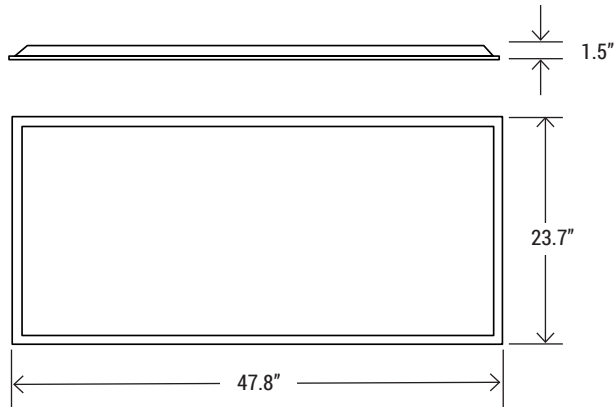


Front



Back

DIMENSION



QTY/CARTON



Maintenance-free optical module sealed for life; no internal cleaning required.

EM BATTERY OPTION

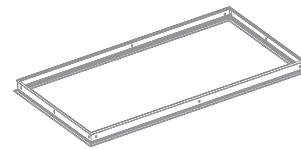


PT-EMG-8W / PT-EMG-15W
Low Voltage EM Battery

SURFACE MOUNT/FLANGE KIT



SMK-BLP-24
Surface mount kit for the 2x4 panel



FK-24
Flange kit for the 2x4 panel

PENDANT CABLE



A-CB-BLP-224
5' Aircraft Cable

JUNCTION BOX



JB-BPL
Junction box
(Field installation)

OTHER



MC-5W-SC-6F / MC-6W-SC-6F (Screw-in)
MC-5W-SN-6HD3F / MC-6W-SN-6HD3F (Snap-in)
MC series metal flex whip

CATALOG NUMBER	WATTAGE	DELIVERED LUMENS	EFFICACY	DLC PRODUCT ID	CLASSIFICATION
PT-BLP8-24-3CP	30W	3300	110 lm/W	S-EC7YXF	 REGULAR
	40W	4400			
	50W	5500			

Based on 3500K, 80 CRI. Actual lumens may vary.

6" LED Retrofit Recessed Commercial Grade Downlight

Catalog Number:	Project Name:	Note:	Date:	Type:
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DESCRIPTION

Portor's second generation commercial grade recessed downlight is wattage and color tunable, and can be programmed with a CCT of 2700K, 3000K, 3500K, 4000K, or 5000K, eliminating the need to stock multiple color temperatures.

Ideal use for commercial complexes, hospitality, healthcare industry, schools, shopping centers, industrial areas and hotels.



LED RETROFIT
COMMERCIAL
GRADE DOWNLIGHT

TUNABLE
5CCT
SELECTABLE
WATTAGE
3W
SELECTOR

Baffle Finish

Direct Mounting

NO RECESSED HOUSING NEEDED

FOR RETROFIT OR NEW CONSTRUCTION INSTALLATION

NOMINAL WATTAGE	DELIVERED LUMENS	EFFICACY
12W	1200 LM	up to 100 lm/W
17W	1700 LM	
22W	2200 LM	

Based on 4000K setting. Actual lumens may vary.

CONSTRUCTION

PC driver housing and aluminum baffle with architectural white finish. Standard gasket included to ensure proper seal.

ELECTRICAL

Luminaire is built with the highest quality LED drivers, ensuring energy efficiency. Optional emergency battery pack.

ENERGY SAVINGS

80% more energy savings than halogen lamps. Low heat production requires less air-conditioning requirements, further increasing energy cost savings.

INSTALLATION

The adjustable housing clips allow for installation in a large range of commercial and architectural housings ranging from 6.0"-7.4" (153-190mm). These spring-action clips push up easily and fit securely for both retrofit and new construction installations.

LISTING

ETL Listed, FCC, RoHS, CE & Energy Star Listed

TECHNICAL SPECIFICATION

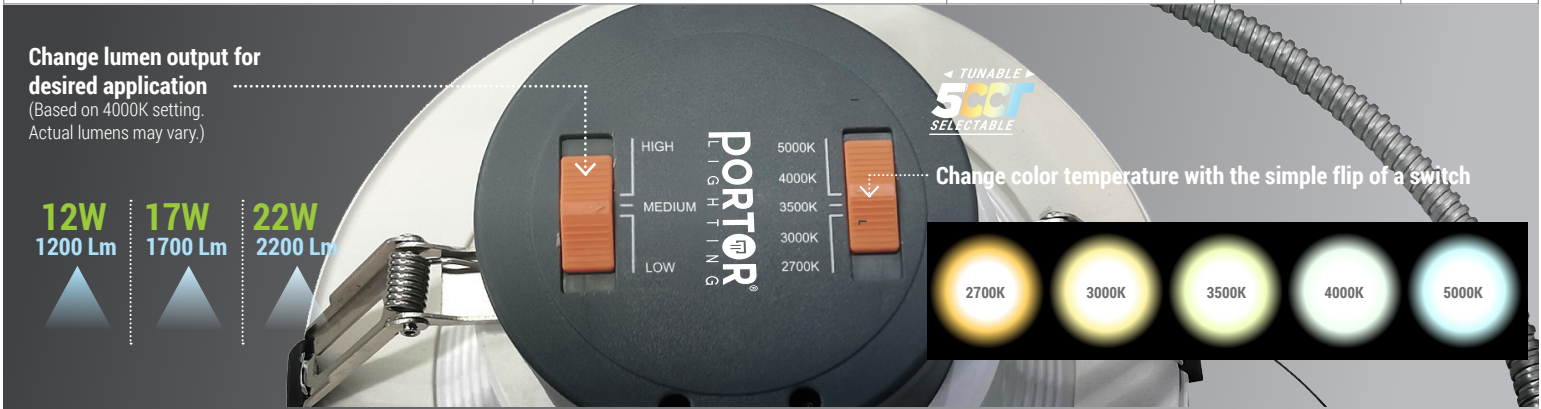
WATTAGE	12W/17W/22W
CCT	2700K 3000K 3500K 4000K 5000K
CRI	90
DIMMABLE	0-10V, 5-100% smooth dimming
BEAM ANGLE	100°
VOLTAGE	120V-277V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	>0.9
LIFESPAN	50,000 hrs @ L70 lifetime
RATING	Suitable for wet locations
WARRANTY	5 year limited



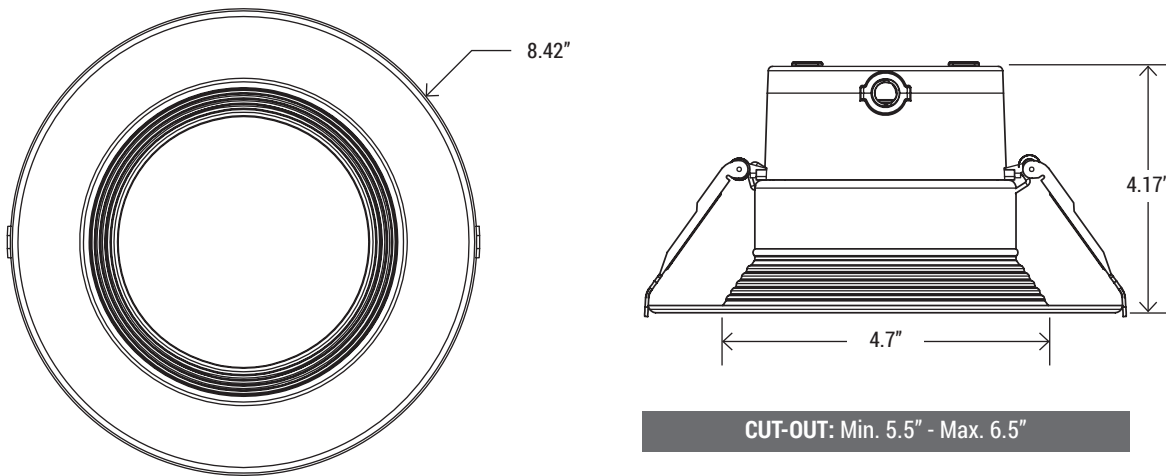
MODEL NUMBER(S)

MODEL#	WATTS	LUMENS	LM/WATT	CCT	CRI	VOLTAGE
PT-CDL2-6I-5C3P	12W/17W/22W	1200/1700/2200	up to 100	2700K/3000K/3500K/ 4000K/5000K	>90	120V-277V

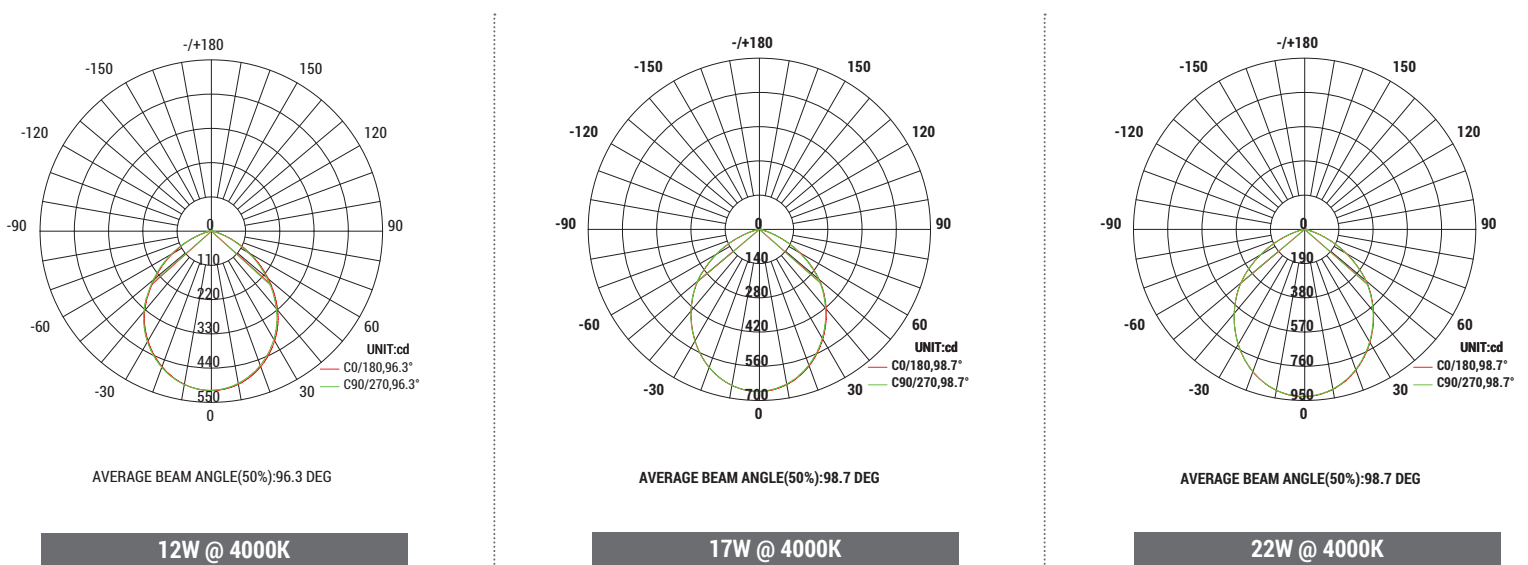
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DIMENSION



PHOTOMETRY (Luminous Intensity Distribution Diagram)



Actual wattages may vary during testing

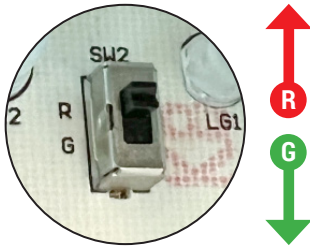
PT-EXL-C-R Series

Slim Round Bi-Color Exit Sign and Emergency Light Combo

Catalog Number:	Project Name:	Note:	Date:	Type:
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The PT-EXL-C-R Series is the category leader in emergency lighting featuring adjustable, dual head lights, 90-minute power outage uptime, backlit red chevrons (single or double), and a polycarbonate housing that is universally mountable. The EXL-C series is UL924, UL damp location, NFPA 101, NEC/OSHA, Title 20 compliant and adheres to the majority of state and local codes for indoor exit and emergency lighting solutions.

Ideal use for commercial buildings, industrial facilities, entryways, stairways, and hallways.



Simply flip the switch for Bi-Color
RED or **Green** LED's

CONSTRUCTION

Market standard mold consisting of thermoplastic ABS housing with UL 94V-0 flame rating. Field adjustable for single or dual face in red or green color inserts. Internal switch for selection of bi-color red/green LEDs. 2 x 1W SMT LED lamp heads for emergency mode.

ELECTRICAL

Dual voltage operation with 120V/277VAC and input watt of 2W. Includes built-in 3.6V1000mAh Ni-MH battery with a 90-minute runtime and 24 hour charge time. Test switch and charge indicator.

MOUNTING

The universal J-Box mounting pattern supports quick installation time. Mount directly on a wall or ceiling.

ENERGY SAVINGS

LED emergency lights may reduce energy consumption up to 85% and lower overall maintenance costs.

LISTING

UL Listed, RoHS

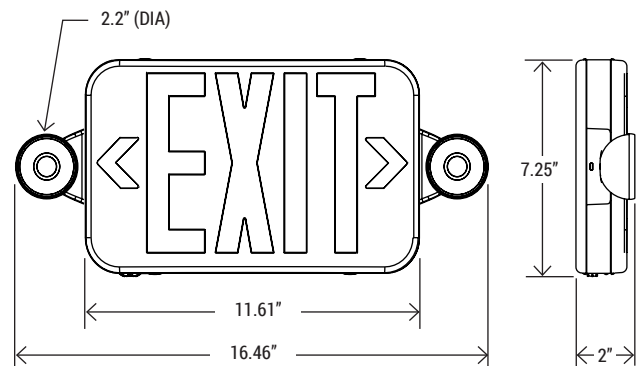
WARRANTY

5 year limited warranty on electrical parts and housing. 3 year limited warranty on battery.

TECHNICAL SPECIFICATION

INPUT WATT	2W
LUMENS	200 lm
VOLTAGE	Dual Voltage 120V-277V
BATTERY TYPE	3.6V1000mAh Ni-MH
EM RUN TIME	90 mins
CHARGING TIME	24 hrs
WORKING TEMPERATURE	32°F ~ 104°F
IP RATING	Indoor Damp Location

DIMENSION



ORDERING SAMPLE: PT-EXL-C-R

Series	Style/Shape	No. of Face	Finish	Mounting
PT-EXL-C Exit and Emergency Lighting Combo	R (Round LED Lamp)	Single or double face (universal)	White	Universal mounting (Ceiling, Wall)

Catalog Number:	Project Name:	Note:	Date:	Type:
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Portor's new Linear High Bay Lighting with Twin Lens – the smart choice for efficient illumination without compromise. Designed to provide exceptional performance at a cost-effective value, these high bays deliver bright and even lighting for your industrial and commercial spaces. Illuminate your workspace with energy-saving brilliance, meeting your lighting needs while being budget-conscious.

Ideal use for commercial and industrial application such as large warehouse, parking/storage garage, gymnasium and retail stores with high ceiling.



CONSTRUCTION

Galvanized cold-rolled steel housing. Post painted with an environment-friendly white powder coated finish.

ELECTRICAL

Luminaire is built with high efficacy LED package 120V-277V universal drivers.

OPTICAL SYSTEM

High performance light output perfect for high ceiling. PC matte lens designed to reduce glare and improve light distribution through precision lens optics.

ENERGY SAVINGS

Over 50% energy savings compare to fluorescent fixtures. Low heat production from LED technology will require overall less maintenance and operating cost.

MOUNTING

Comes standard with V-Hooks.

CONTROLS

Option available for dimmers and occupancy sensors (consult factory) to maximize energy savings.

LISTING

UL Listed, DLC Premium Listed, RoHS



	WATTAGE	DELIVERED LUMENS	EFFICACY
2'	170W	26,702	up to 157 lm/W
3'	255W	39,659	up to 155 lm/W
4'	400W	61,842	up to 154 lm/W

Based on IES results with higher wattage @4500K.

TECHNICAL SPECIFICATION

CCT	4000K/4500K/5000K
CRI	82
DIMMABLE	0-10V dimmable
VOLTAGE	120V-277V, 50/60 Hz
POWER FACTOR	0.9
THD	10%
WORKING TEMPERATURE	-40°F ~ 122°F
IP RATING	Suitable for damp locations
LIFESPAN	100,000-hour L70 lumen maintenance and L90 to meet DLC 5.1 Premium
WARRANTY	5 year limited

ORDERING SAMPLE:

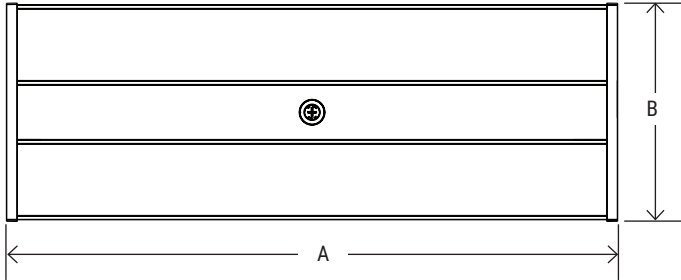
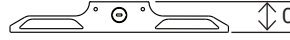
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Series	Size	CCT/Wattage	Voltage	Finish	Accessories/Options (Sold separately)
PT-LHTL Linear High Bay Twin Lens	LW (2')	3CP (40K/45K/50K) (130W/155W/170W)	Blank (120-277V)	White	Sensor Blank (No option) PT-UNI-SP-PR PT-UNI-SP-MW MSH-RC2
	MW (3')	3CP (40K/45K/50K) (170W/210W/255W)			
	HW (4')	3CP (40K/45K/50K) (225W/310W/400W)			

2' / 3' / 4' LED Linear High Bay Twin Lens with CCT and Wattage Selector

Catalog Number:	Project Name:	Note:	Date:	Type:
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DIMENSION



Model No.	A LENGTH	B WIDTH	C HEIGHT
PT-LHTL-LW-3CP	23.74"	12.64"	1.7"
PT-LHTL-MW-3CP	35.35"		
PT-LHTL-HW-3CP	47.36"		

QTY/CARTON



PIECE

SENSOR OPTION

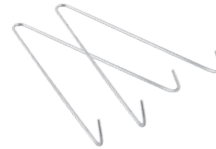


PT-UNI2-SP-PR
PT-UNI2-SP-MW
12VDC Sensor



MSH-RC2 (Required)
Remote Control Unit

MOUNTING STANDARD



V-HOOK
V-hooks comes standard

2'

PT-LHTL-LW-3CP

WATTAGE	DELIVERED LUMENS	EFFICACY
130W	19,662 @ 4000K	151 lm/W
	21,361 @ 4500K	154 lm/W
	20,148 @ 5000K	154 lm/W
155W	22,575 @ 4000K	145 lm/W
	25,002 @ 4500K	161 lm/W
	23,006 @ 5000K	148 lm/W
170W	24,274 @ 4000K	142 lm/W
	26,702 @ 4500K	157 lm/W
	25,002 @ 5000K	147 lm/W



S-RJ60WC

3'

PT-LHTL-MW-3CP

WATTAGE	DELIVERED LUMENS	EFFICACY
170W	25,959 @ 4000K	152 lm/W
	26,702 @ 4500K	157 lm/W
	26,319 @ 5000K	154 lm/W
210W	31,006 @ 4000K	147 lm/W
	34,251 @ 4500K	163 lm/W
	31,727 @ 5000K	151 lm/W
255W	36,054 @ 4000K	141 lm/W
	39,659 @ 4500K	155 lm/W
	36,975 @ 5000K	145 lm/W



S-W0WRH6

4'

PT-LHTL-HW-3CP

WATTAGE	DELIVERED LUMENS	EFFICACY
225W	37,328 @ 4000K	146 lm/W
	41,228 @ 4500K	161 lm/W
	37,825 @ 5000K	148 lm/W
310W	44,013 @ 4000K	141 lm/W
	49,028 @ 4500K	158 lm/W
	45,128 @ 5000K	145 lm/W
400W	55,713 @ 4000K	139 lm/W
	61,842 @ 4500K	154 lm/W
	56,827 @ 5000K	142 lm/W



S-RT80WW

4' / 8' LED Vaportight Luminaire with CCT and Wattage Selector

Catalog Number:	Project Name:	Note:	Date:	Type:
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Portor's VT2 series offers an industry-leading performance with deep energy savings and continuous dimming. This fixture is manufactured and designed using a gasketed enclosure to protect against dust, humidity and liquid spray. Suitable for damp and wet location. The compact, slick profile produces uniform and glare free lumen output. Easy installation for both surface-mount and suspended mount.

Perfect application for carports, parking structure lot, hallway and corridor.



CONSTRUCTION

Durable solid frame, lens and clips offer protection against dust, humidity and water spray. 5VA housing, the highest classification in the UL94 Standard. Pre-fabricated paint with matte white finished. Slim profile design makes it easy for installation.

ELECTRICAL

Luminaire is built with the highest quality driver that is universal voltage (120-277V), uses highly-efficient LED packages to ensure cool temperatures for long lasting life span.

OPTICAL SYSTEM

Diffuser lens reduces glare and improves overall energy efficiency.

DIMMING

Continuous dimming (0-10V) comes standard. Compatible with dimmers, sensors and controls for deeper energy-savings.

ENERGY SAVINGS

Over 50% energy savings than traditionally fluorescent fixtures, low heat productions requires less maintenance and operation cost.

LISTING

UL Listed, IP65 Rated, ROHS

WARRANTY

5 year Limited Warranty, Rated for 50,000 hours.
See Warranty documentation for details.

	WATTAGE	DELIVERED LUMENS	EFFICACY
4'	45W	6075	135 lm/W
8'	75W	10,125	132 lm/W

*Based on the highest wattage @ 5000K setting. Actual lumens may vary.
For complete results, see next page.*

TECHNICAL SPECIFICATION

CCT	3500K/4000K/5000K
CRI	80+
DIMMABLE	0-10V dimming
BEAM ANGLE	110°
VOLTAGE	120V-277V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	>0.9
THD	≤10%
TEMPERATURE RATED	-40°F ~ 113°F
IP RATING	IP65
WARRANTY	5 year limited



ORDERING SAMPLE:

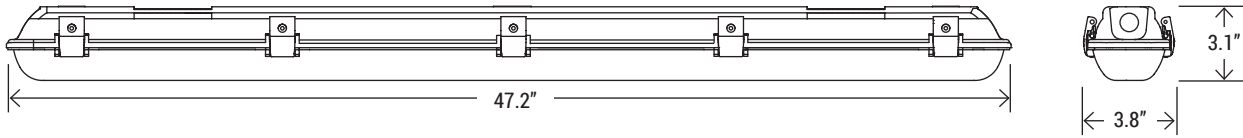
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Series	Size	Wattage/CCT	Accessories/Options
PT-VT2 LED Vaportight Series	4FT (4-footer)	3CP (34W/38W/45W) (35K/40K/50K)	Mounting __ Blank (Standard surface mount) A-CBL (For suspended mounting)
	8FT (8-footer)	3CP (44W/65W/75W) (35K/40K/50K)	

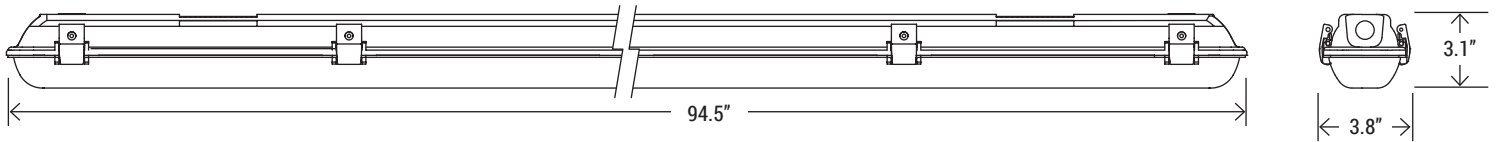
4' / 8' LED Vaportight Luminaire with CCT and Wattage Selector

Catalog Number:	Project Name:	Note:	Date:	Type:
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DIMENSION

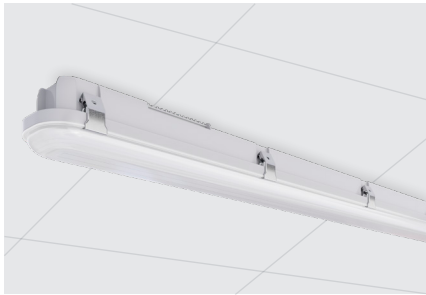


4' PT-VT2-4F-3CP



8' PT-VT2-8F-3CP

MOUNTING OPTION



SM
Surface mount



V-HOOK
Suspended Mount



A-CBL
8' Aircraft Cable, V-Hook included

4' PT-VT2-4FT-3CP

WATTAGE	DELIVERED LUMENS	EFFICACY
45W	5985 @ 3500K	133 lm/W
	6435 @ 4000K	143 lm/W
	6075 @ 5000K	135 lm/W
38W	5282 @ 3500K	139 lm/W
	5662 @ 4000K	149 lm/W
	5358 @ 5000K	141 lm/W
34W	4828 @ 3500K	142 lm/W
	5168 @ 4000K	152 lm/W
	4896 @ 5000K	144 lm/W

8' PT-VT2-8FT-3CP

WATTAGE	DELIVERED LUMENS	EFFICACY
75W	9975 @ 3500K	133 lm/W
	10,725 @ 4000K	143 lm/W
	10,125 @ 5000K	135 lm/W
65W	8905 @ 3500K	137 lm/W
	9555 @ 4000K	147 lm/W
	9035 @ 5000K	139 lm/W
44W	6248 @ 3500K	142 lm/W
	6688 @ 4000K	152 lm/W
	6336 @ 5000K	144 lm/W

4' LED Eco-Slim Wraparound Luminaire with CCT and Wattage Selector

Catalog Number:	Project Name:	Note:	Date:	Type:
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DESCRIPTION

Portor's Wraparound series is designed to save energy and meet lost light regress requirements. Our 9" wraparound is wattage adjustable (30W/35W/40W) and color tunable (35K/40K/50K).

Ideal use for offices, hallways, stairwells, bathrooms and conference rooms.



CONSTRUCTION

5200-4655-4080

Sleek slim design wraparound with durable and solid form factor frame. Made out of quality aluminum alloy body with white finish.

ELECTRICAL

Luminaire is built with high efficacy LED package 120V-277V universal drivers.

OPTICAL SYSTEM

High performance light output perfect for high ceiling. Optic lens designed to reduce glare and improve light distribution through precision lens optics.

ENERGY SAVINGS

Over 50% energy savings compare to fluorescent fixtures. Low heat production from LED technology will require overall less maintenance and operating cost.

DIMMING

Equipped with 0-10V continuous dimming.

MOUNTING

Comes standard with V-Hooks and chains, Option available for Pendant Mount.

CONTROLS

Option available for dimmers, occupancy sensors and daylight harvesting to maximize energy savings.

LISTING

UL Listed, DLC Premium Listed

WARRANTY

5 Years Limited Warranty, Rated for 50,000 hours
(See Warranty documentation for details).

WATTAGE	DELIVERED LUMENS	EFFICACY
30W	4080 @ 5000K	136 lm/W
35W	4655 @ 5000K	133 lm/W
40W	5200 @ 5000K	130 lm/W

Based on the wattage @ 5000K setting. Actual lumens may vary.

TECHNICAL SPECIFICATION

WATTAGE	30W/35W/40W
CCT	3500K/4000K/5000K
CRI	82
DIMMABLE	0-10V Continuous Dimming (10%-100%)
VOLTAGE	120V-277V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	>0.9
THD	≤10%
WORKING TEMPERATURE	-40°F ~ 122°F
STORAGE TEMPERATURE	-40°F ~ 158°F
IP RATING	IP40, Suitable for damp locations
WARRANTY	5 year limited



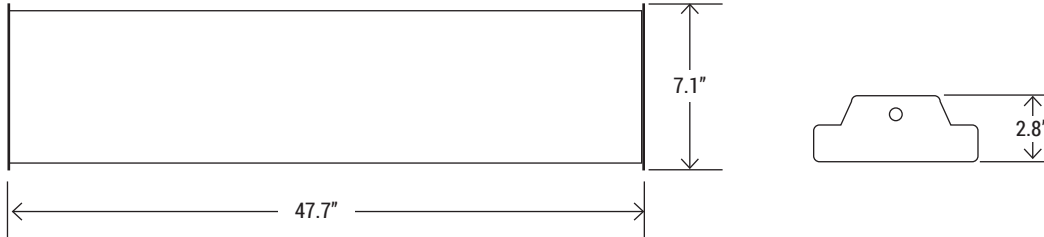
ORDERING SAMPLE: - - - - -

Series	Size	CCT/Wattage	Accessories/Options		
PT-WA2 LED Wraparound Series	4F71 (4 ft / 7 in width)	3CP (35K/40K/50K) (30W/35W/40W)	EM Battery	Sensor	Mounting
			___ Blank EM	___ Blank MS	___ Blank A-CBL

4' LED Eco-Slim Wraparound Luminaire with CCT and Wattage Selector

Catalog Number:	Project Name:	Note:	Date:	Type:
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DIMENSION



SENSOR OPTION



MS
Motion Sensor



MSH-RC2
Intelligent Control Unit

SUSPENDED MOUNTING



A-CBL
Hanging wire for strip light w/ V-hook

EM BATTERY OPTION



EM
LED Emergency Driver



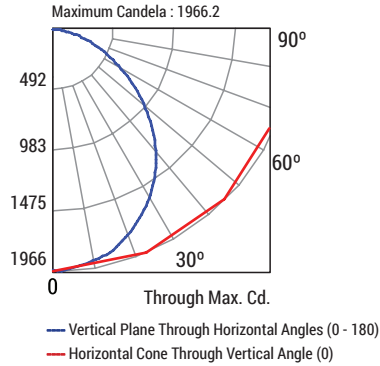
DLC LISTING

CATALOG NUMBER	WATTAGE	DELIVERED LUMENS	EFFICACY	DLC PRODUCT ID	CLASSIFICATION
PT-WA2-4F7I-3CP	30W	4080@5000K	up to 137 lm/W	S-CQ5ZKH	PREMIUM
	35W	4655@5000K			
	40W	5280@5000K			

4' LED Eco-Slim Wraparound Field-Adjustable Luminaire

Catalog Number:	Project Name:	Note:	Date:	Type:
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PT-WAFA	Wattage: 40W	Delivered lumens: 4050	Efficacy: 130 lm/W	CCT: 3500K	CRI: 80
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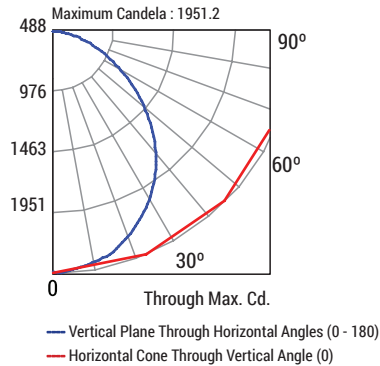


RCR	Coefficients of Utilization											
	80%				70%				50%			
	pfc				pcc				pw			
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	
0	118	118	118	118	114	114	114	114	108	108	108	
1	107	102	98	94	104	99	95	92	94	91	88	
2	97	89	82	77	94	87	81	75	82	77	73	
3	89	78	70	64	86	76	69	63	73	66	61	
4	82	70	61	55	79	68	60	54	65	58	53	
5	75	63	54	47	73	61	53	47	58	51	46	
6	70	57	48	41	67	55	47	41	53	46	40	
7	65	51	43	37	63	50	42	36	48	41	36	
8	60	47	39	33	58	46	38	33	44	37	32	
9	56	43	35	30	55	42	35	29	41	34	29	
10	53	40	32	27	51	39	32	27	38	31	26	

CP Summary		
	0°	90°
0°	1966.2	1966.2
5°	1953.4	1954.1
15°	1852.2	1850.6
25°	1657.7	1646.7
35°	1388.5	1382.3
45°	1085.3	1091.0
55°	781.0	815.0
65°	506.5	578.7
75°	273.2	375.9
85°	74.0	191.4
90°	0.0	121.5

Zonal Lumen Summary			
	Lumens	%Lamp	%Fixture
0° - 20°	706.75	13.40	13.40
0° - 30°	1468.23	27.80	27.80
0° - 40°	2336.91	44.20	44.20
0° - 60°	3903.80	73.80	73.80
0° - 80°	4805.66	90.90	90.90
0° - 90°	4967.21	93.90	93.90

PT-WAFA	Wattage: 40W	Delivered lumens: 5280	Efficacy: 130 lm/W	CCT: 5000K	CRI: 80
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RCR	Coefficients of Utilization											
	80%				70%				50%			
	pfc				pcc				pw			
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	
0	117	117	117	117	114	114	114	114	107	107	107	
1	107	102	97	93	103	99	95	91	93	90	87	
2	97	89	82	76	94	86	80	75	82	76	72	
3	89	78	70	64	86	76	69	63	72	66	61	
4	81	70	61	54	79	68	60	53	64	57	52	
5	75	62	53	47	72	61	52	46	58	51	45	
6	69	56	47	41	67	55	47	41	52	45	40	
7	64	51	42	36	62	50	42	36	48	41	35	
8	60	47	38	33	58	46	38	32	44	37	32	
9	56	43	35	29	54	42	34	29	40	33	29	
10	53	40	32	27	51	39	31	27	37	31	26	

CP Summary		
	0°	90°
0°	1951.2	1951.2
5°	1939.0	1939.9
15°	1839.5	1842.2
25°	1648.5	1653.0
35°	1383.0	1393.9
45°	1079.8	1115.4
55°	780.2	847.8
65°	504.6	613.8
75°	275.0	418.2
85°	75.2	237.1
90°	0.0	152.8

Zonal Lumen Summary			
	Lumens	%Lamp	%Fixture
0° - 20°	701.49	13.10	13.10
0° - 30°	1457.72	27.20	27.20
0° - 40°	2321.21	43.40	43.40
0° - 60°	3885.85	73.60	73.60
0° - 80°	4801.94	89.80	89.80
0° - 90°	4977.83	93.00	93.00

Slim Wraparound with CCT and Wattage Selector

Catalog Number:	Project Name:	Note:	Date:	Type:
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DESCRIPTION

Portor's Wraparound series is designed to save energy and meet lost light regress requirements. Our Slim wraparound is wattage adjustable (30W/40W/50W) and color tunable (35K/40K/50K).

Ideal use for offices, hallways, stairwells, bathrooms and conference rooms.



CONSTRUCTION

Slim design wraparound with durable and solid form factor frame. Made out of quality aluminum alloy body with white finish.

ELECTRICAL

Luminaire is built with high efficacy LED package 120V-277V universal drivers

OPTICAL SYSTEM

High performance light output perfect for high ceiling. Optic lens designed to reduce glare and improve light distribution through precision lens optics

ENERGY SAVINGS

Over 50% energy savings compare to fluorescent fixtures. Low heat production from LED technology will require overall less maintenance and operating cost.

LISTING

UL Listed

WARRANTY

5 year Limited Warranty

WATTAGE	DELIVERED LUMENS	EFFICACY
30W	3,450	115 lm/W
40W	4,600	115 lm/W
50W	5,750	115 lm/W

Based on @ 4000K setting. Actual lumens may vary. For complete results, see next page.

TECHNICAL SPECIFICATION

CCT	3500K/4000K/5000K
CRI	80+
DIMMABLE	0-10V dimmable
SENSOR	Photocell ready (Screw-in type)
VOLTAGE	120V-277V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	>0.9
WORKING TEMPERATURE	-4°F ~ +104°F
IP RATING	Dry Location
LIFE SPAN	50,000 hrs
WARRANTY	5 year limited
DLC PRODUCT ID	S-676PYV



ORDERING SAMPLE:

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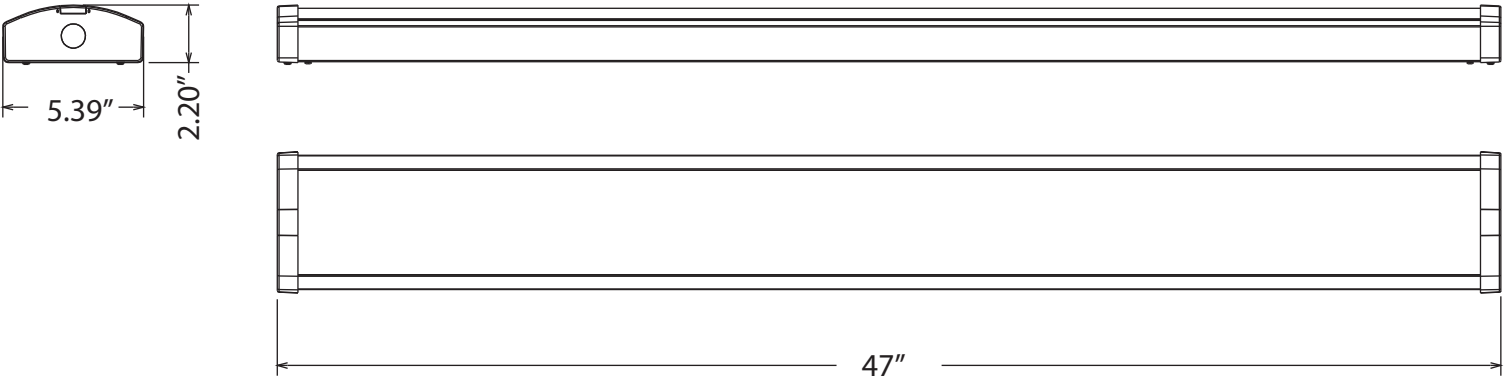
Series	Wattage	CCT	Option
PT-WAS Slim Wraparound Series	4F5I (30W/40W/50W)	3CP (3500K/4000K/5000K)	_ blank Photocell

PT-WAS-4F5I-3CP

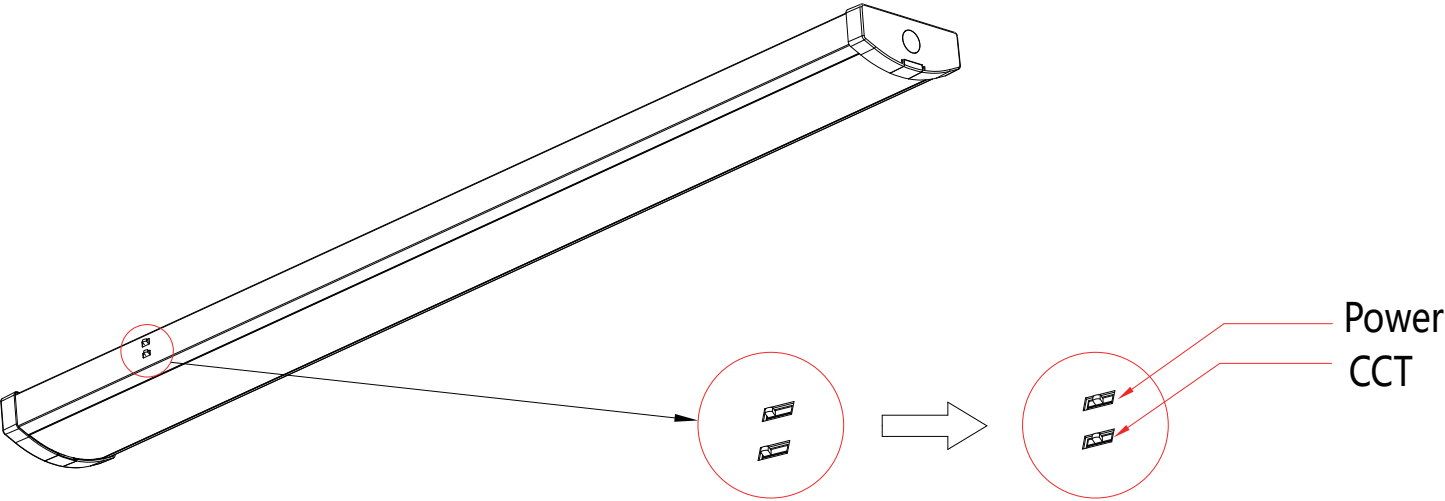
Slim Wraparound with CCT and Wattage Selector

Catalog Number:	Project Name:	Note:	Date:	Type:
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DIMENSION



WATTAGE AND CCT SET-UP



ACCESSORIES

Catalog Number:	Project Name:	Note:	Date:	Type:
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Portor PT-WPF Series is a full cut-off wall mounted luminaire designed in a slim profile to seamlessly blend into the environment while providing clean lines, a stylish finish, and optimal lighting; while maintaining a robust, durable housing. The WPF Series is available in two power selectable sizes with wattages ranging from 36W to 120W and integrates CCT selectable technology with 30K, 40K, and 50K options.

Ideal use for warehouses, walkways, building entry ways, parking lots, retail exteriors and shopping malls.

WITH INTEGRATED PHOTOCELL



CONSTRUCTION

The die-cast aluminum is a durable, powder-coated housing sealed by a silicone ring which enables the luminaire to achieve dust and weather resistance. The fixture has been constructed and complies with UL wet location ratings, IP65.

ELECTRICAL

Luminaire is built with the highest quality 0-10V dimmable LED driver that operates with Universal Voltage (120V-277V) and is completed with 4KV surge protection.

OPTICAL SYSTEM

Borosilicate glass lens designed to reduce glare and improve over-all light distribution through precision formed LED optics.

ENERGY SAVINGS

Over 50% energy savings than traditionally fluorescent fixtures, low heat productions requires less maintenance and operation cost.

LISTING

UL Listed, DLC Premium Listed, IP65 rating

WARRANTY

5 year Limited Warranty, Rated for 50,000 hours.
See Warranty documentation for details.

PART #	WATTAGE	DELIVERED LUMENS	EFFICACY
PT-WPF-LW	36W	5954	165 lm/W
	48W	7552	160 lm/W
	60W	8856	157 lm/W
PT-WPF-HW	72W	10989	164 lm/W
	96W	13934	158 lm/W
	120W	17163	154 lm/W

Based on actual wattage setting @ 4000K. Actual lumens may vary.

TECHNICAL SPECIFICATION

CCT	3000K/4000K/5000K
CRI	82
DIMMABLE	0-10V Dimming
VOLTAGE	120V-277V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	>0.9
THD	≤20%
WORKING TEMPERATURE	-40°F ~ 113°F
EM WORKING TEMPERATURE	-32°F ~ 122°F (with EM option)*
IP RATING	IP65 Wet Location
WARRANTY	5 year limited

*Please check EM label for more info

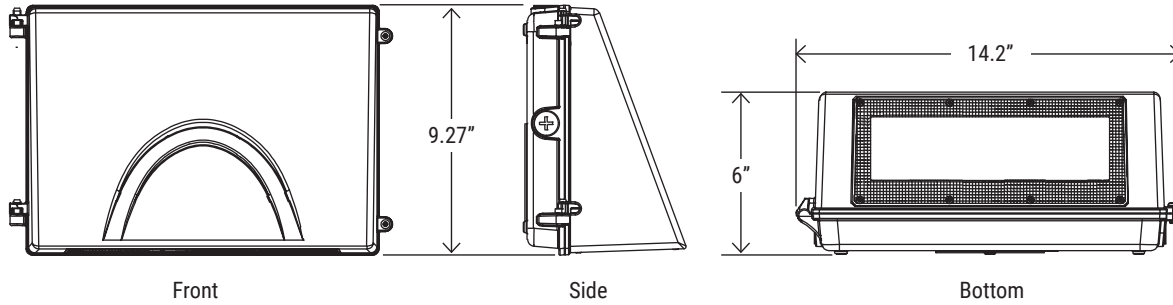


ORDERING SAMPLE: - - - -

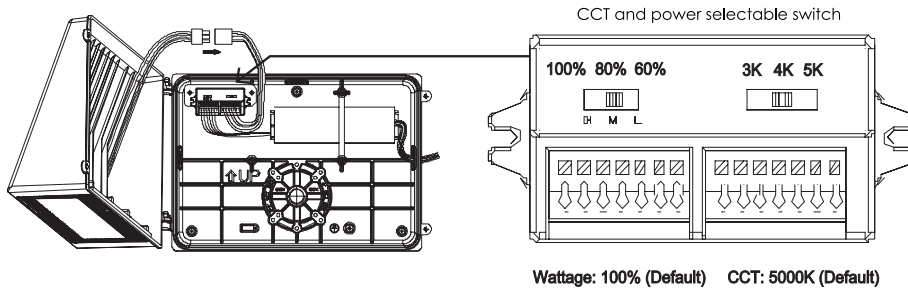
Series	Wattage	CCT	Finish	EM Battery (Optional)
PT-WPF Architectural Full Cut-Off Wall Pack	LW (36W/48W/60W) HW (72W/96W/120W)	3CP (3000K/4000K/5000K)	blank (Bronze) W (White)	blank EM (EM battery)

Catalog Number:	Project Name:	Note:	Date:	Type:
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DIMENSION



Choose your desired wattage and color temperature by the DIP switches



EM BATTERY



EM
LED Emergency Driver



DLC LISTING

CATALOG NUMBER	WATTAGE	DELIVERED LUMENS	EFFICACY	DLC PRODUCT ID	CLASSIFICATION
PT-WPF-LW-3CP	60W	8856 @ 4000K	157 lm/W	S-3P0G8M	PREMIUM
PT-WPF-HW-3CP	120W	17163 @ 4000K	154 lm/W	S-B3QRZ1	PREMIUM

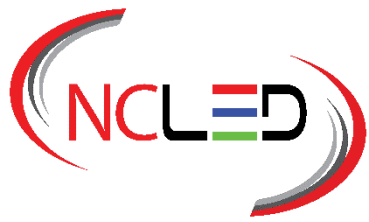
LIGHTING RETROFIT PROPOSAL

Prepared for
Eric Linczmaier
All Areas Logical Fixture Option
Includes 10% Gov & 15% Trade Ally Bonus Incentives

Site Information

Name: Village of Sister Bay
Address: 2155 Autumn Ct
Sister Bay WI 54234

Proposal Date	Proposal Expires
January 27, 2025	February 28, 2025



Mark Wright
Sales Representative
920-655-2468ex102
mwright@ncledlighting.com



Executive Summary

Project Costs

Total Project Cost	\$12,979
Sales Tax	\$0
Incentives/Rebates	\$1,901
Turnkey Project Cost	\$11,078

Financial Metrics

Payback Period (yrs)	11.42
Avg. Annual Return	9%
10 Yr Operating Savings	\$9,660
Net Present Value	\$(3,695)

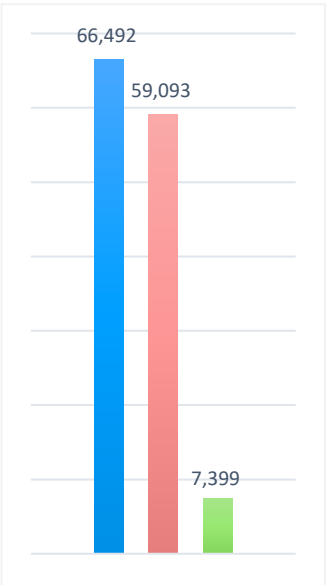
Cost of Waiting

Postpone for one month	\$80
Postpone for six months	\$483
Postpone for one year	\$966

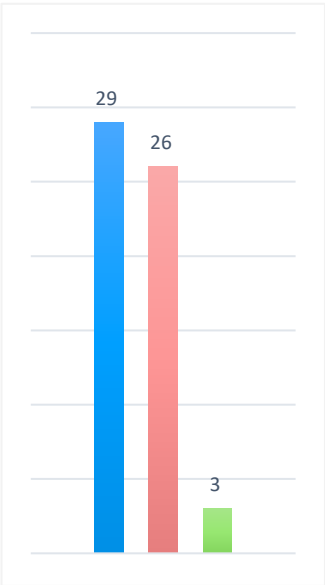
Assumptions

Energy Rate (\$/kWh)	0.1000
Annual Utility Rate Increase	0.00%
Discount Rate	6.00%

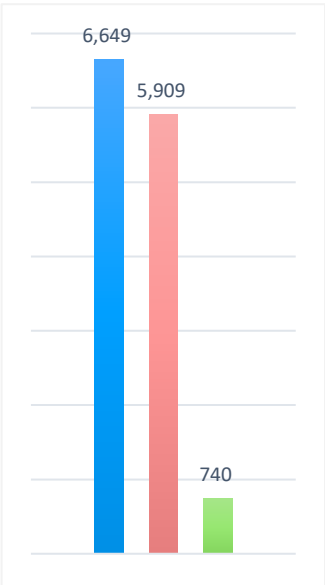
Usage (kWh)



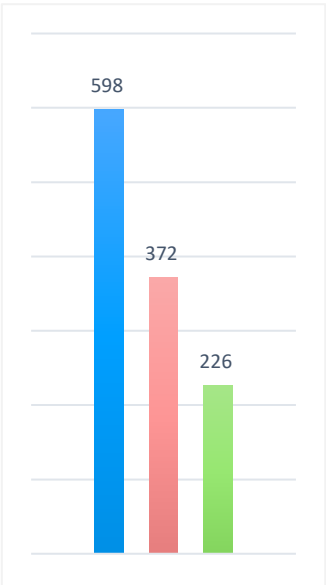
Demand (kW)



Energy Cost (\$)



Maintenance Cost (\$)



Current Proposed Savings



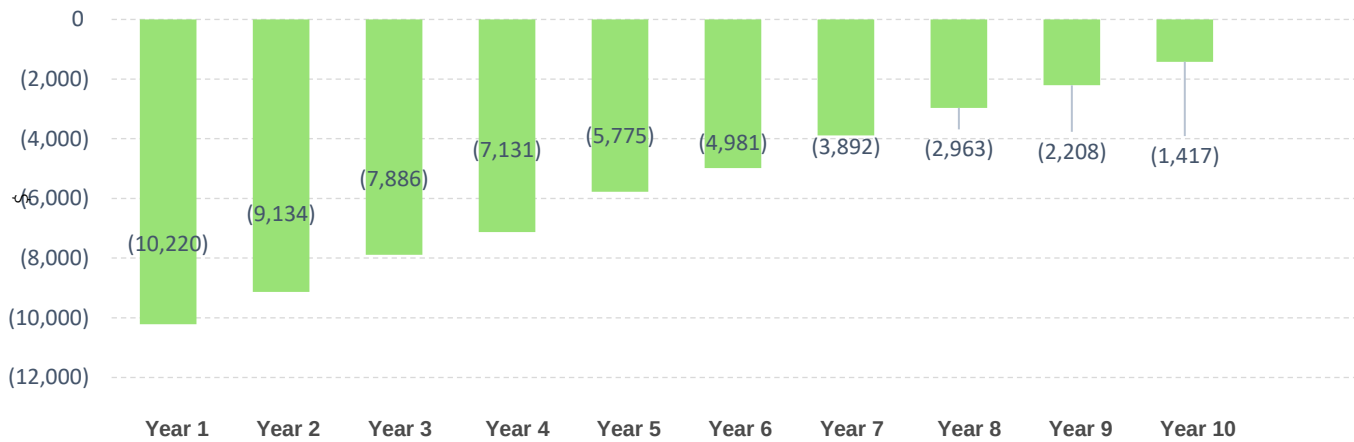
Impact of New Lighting

Energy Reduction	11%
Avg. Annual Maintenance Savings	38%
Avg. Annual Operating Savings	13%

Aggregate Operating Savings

Saving Area	Year 1	Year 5	Year 10
Energy	\$740	\$3,699	\$7,399
Maintenance	\$118	\$1,602	\$2,261
Total	\$858	\$5,301	\$9,660

Aggregate Cash Flow Over Ten Years



Itemized Cash Flow

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Project Cost	\$(12,979)	-	-	-	-	-	-	-	-	-
Rebates	\$1,521	-	-	-	-	-	-	-	-	-
Other Incentives	\$380	-	-	-	-	-	-	-	-	-
Energy Savings	\$740	\$740	\$740	\$740	\$740	\$740	\$740	\$740	\$740	\$740
Maintenance Savings	\$118	\$346	\$508	\$15	\$616	\$54	\$349	\$189	\$15	\$51
Net Cash Flow	\$(10,220)	\$1,086	\$1,248	\$755	\$1,356	\$794	\$1,089	\$929	\$755	\$791

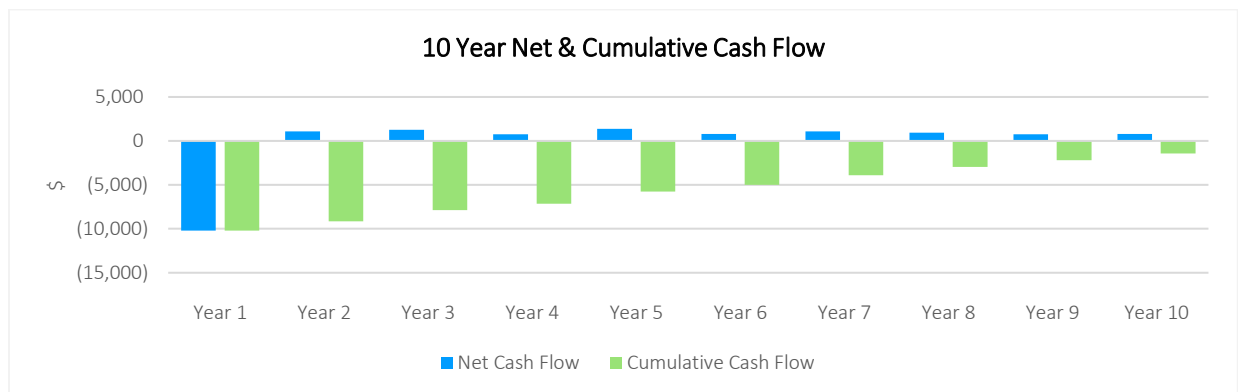
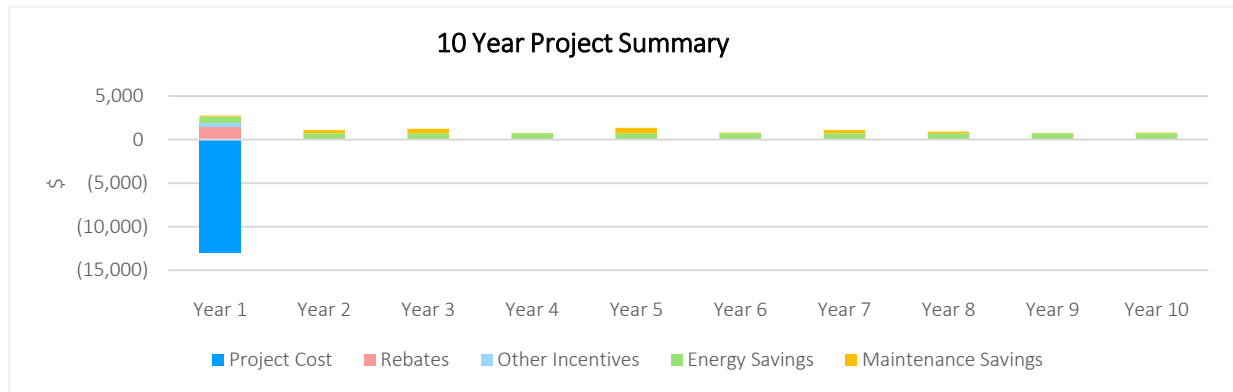


Cash Flow

We understand that finalizing a project like this often takes time. However, each day you delay your upgrade, you are missing out on the opportunity to reduce your operating expenses. As shown below, the lost opportunity continues to compound over time.

10 Year Cash Flow Analysis

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Total
Project Cost	\$(12,979)	-	-	-	-	-	-	-	-	-	\$(12,979)
Rebates	\$1,521	-	-	-	-	-	-	-	-	-	\$1,521
Other Incentives	\$380	-	-	-	-	-	-	-	-	-	\$380
Energy Savings	\$740	\$740	\$740	\$740	\$740	\$740	\$740	\$740	\$740	\$740	\$7,399
Maintenance Savings	\$118	\$346	\$508	\$15	\$616	\$54	\$349	\$189	\$15	\$51	\$2,261
Net Cash Flow	\$(10,220)	\$1,086	\$1,248	\$755	\$1,356	\$794	\$1,089	\$929	\$755	\$791	\$(1,417)
Cum Cash Flow	\$(10,220)	\$(9,134)	\$(7,886)	\$(7,131)	\$(5,775)	\$(4,981)	\$(3,892)	\$(2,963)	\$(2,208)	\$(1,417)	\$(1,417)

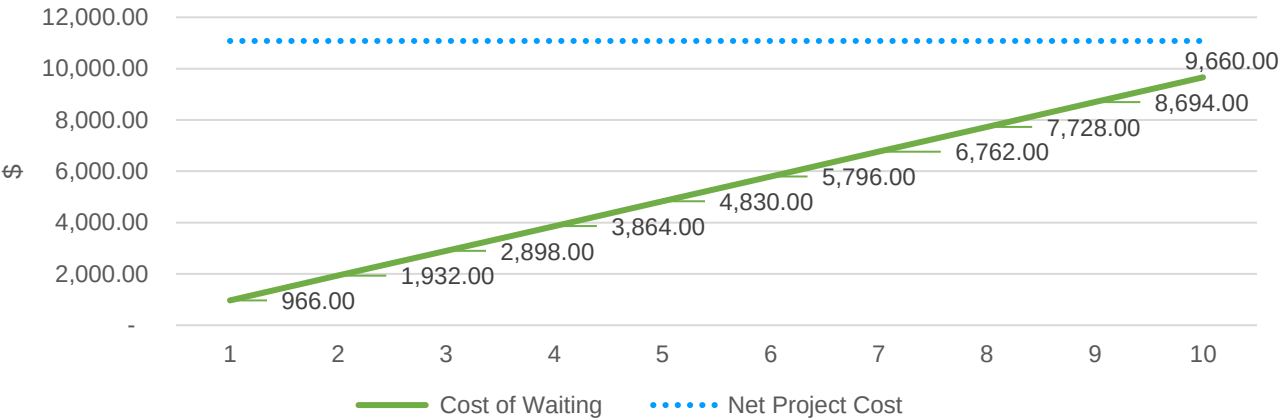




Cost Of Waiting

The cost of waiting shows the amount of cash your company will be losing if you delay the proposed lighting upgrade.

Monthly	Yearly	10 Years
\$80	\$966	\$9,660



Cost of waiting includes energy savings and maintenance savings applied as an average annual amount over a 10 year analysis period



Energy Usage

The following set of information evaluates your current energy usages and costs and compares that to the projected energy usage and costs your facility will see after the proposed lighting upgrade.

Annual Energy Usage

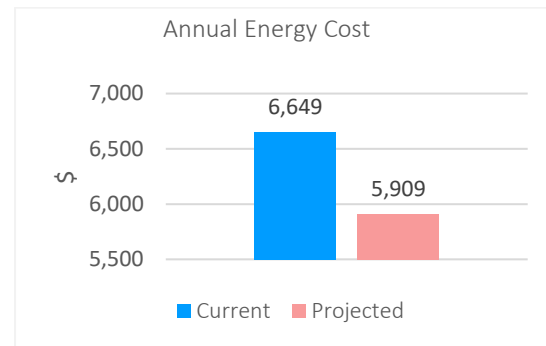
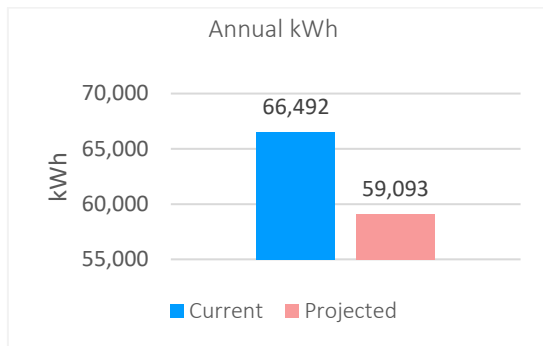
Current Usage (kWh)	Projected Usage (kWh)	Reduction	Current Cost	Projected Cost	Financial Savings	Percent Saved
66,492	59,093	11%	\$6,649	\$5,909	\$740	11%

1. Energy cost = \$0.1000/kWh; Annual energy cost escalation = 0.00%
2. Energy costs are averaged over 10 year analysis period
3. Projected Usage (kWh) includes savings from controls if applicable

Annual Energy Usage Reduction

Current Usage (kWh)	Projected Usage (kWh)	Reduction (kWh)	Reduction
66,492	59,093	7,399	11%

Energy Comparison



1. Energy Cost = \$0.1000/kWh; Annual energy cost escalation = 0.00%
2. Energy costs are averaged over 10 year analysis period



Watts Summary

Existing Watts	Proposed Watts	Reduced Watts	Reduction
28,718	25,590	3,128	11%

The calculations in this table take into account the existing fixtures that are being replaced, upgraded, and/or have new lighting controls being proposed for them



Upgrade Analysis

Fixture Replacement by Space

Post Office

Space	Existing Fixture	Qty	Proposed Solution	Qty
Back Area	Troffer/T8 Fluorescent/4 ft/32.0W/2 Lamp	2	Part No: CCT FP24 Troffers & Panels/2x4ft/Tunable White	2
Back Area	Troffer/T8 Fluorescent/4 ft/32.0W/3 Lamp	26	Part No: CCT FP24 Troffers & Panels/2x4ft/Tunable White	26
Back Area	Wrap/T8 Fluorescent/4 ft/32.0W/2 Lamp	2	Part No: CCT Wrap 30/35/40 Wrap	2
Front	Troffer/T8 Fluorescent/4 ft/32.0W/2 Lamp	10	Part No: CCT FP24 Troffers & Panels/2x4ft/Tunable White	10
Front	Troffer/T8 Fluorescent/4 ft/32.0W/2 Lamp	1	Part No: CCT FP14 Troffers & Panels/1x4ft/Field Selectable	1

Sport Complex

Space	Existing Fixture	Qty	Proposed Solution	Qty
Concessions Stand	Downlight/CFL Pin Base/13.0W/2 Lamp	6	Part No: CAN TRIM 6 WIRED Downlight/Retrofit Kit	6
Concessions Stand	Wallpack/High Pressure Sodium/100.0W/1 Lamp	1	Part No: PT-WPF-LW-3CP Wall Mount	1
Concessions Stand	Wrap/T8 Fluorescent/4 ft/32.0W/2 Lamp	3	Part No: CCT Wrap 30/35/40 Wrap	3
Concessions Stand	Wrap/T8 Fluorescent/4 ft/32.0W/3 Lamp	6	Part No: CCT Wrap 30/35/40 Wrap	6
Exit Lights	Exit & Emergency/Halogen/20.0W/1 Lamp	1	Part No: PT-EXL-C-S-RC Exit & Emergency	1
Wallpacks	Wallpack/High Pressure Sodium/100.0W/1 Lamp	4	Part No: PT-WPF-LW-3CP Wall Mount	4
Warming House	Vapor Tight/T8 Fluorescent/4 ft/32.0W/2 Lamp	18	Part No: 4 Ft Vaportight Vapor Tight	18
Warming House	Wrap/T8 Fluorescent/4 ft/32.0W/2 Lamp	9	Part No: PT-WAS-4F5I-3CP Wrap	9



Appendix

Financial Assumptions

Analysis Period (Years)	10
Payback Calculation Method	Cash Flow Payback
Cost of Capital	6.00%
Average Cost of Electricity	0.1000 \$/kWh
Annual Energy Inflation	0.00%
Annual Material Inflation	0.00%
Annual Service Inflation	0.00%
Product Tax Rate	0.00%
Service Tax Rate	0.00%

Schedules

Schedule Name	Hours/Week	Hours/Year
4 day	28	1,460
500	10	500
6 week	6	313
Continuous (24x7)	168	8,760
Dusk to Dawn	84	4,380
Weekdays (9-6)	45	2,346

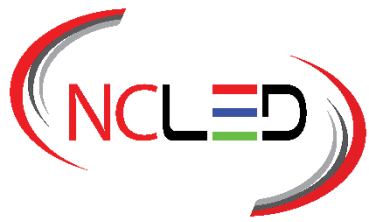
LIGHTING RETROFIT PROPOSAL

Prepared for
Eric Linczmaier
All Areas Re-Lamp Option (Fixture exterior)
Includes 10% Gov & 15% Trade Ally Bonus Incentives

Site Information

Name: Village of Sister Bay
Address: 2155 Autumn Ct
Sister Bay WI 54234

Proposal Date	Proposal Expires
January 27, 2025	February 28, 2025



Mark Wright
Sales Representative
920-655-2465ex102
mwright@ncledlighting.com



Executive Summary

Project Costs

Total Project Cost	\$6,212
Sales Tax	\$0
Incentives/Rebates	\$938
Turnkey Project Cost	\$5,274

Financial Metrics

Payback Period (yrs)	5.33
Avg. Annual Return	17%
10 Yr Operating Savings	\$9,117
Net Present Value	\$1,698

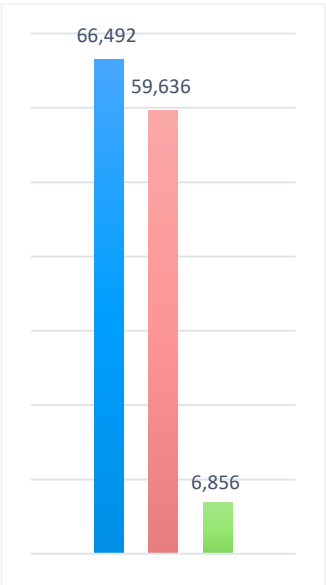
Cost of Waiting

Postpone for one month	\$76
Postpone for six months	\$456
Postpone for one year	\$912

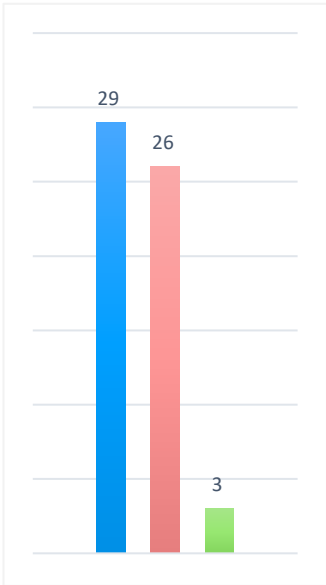
Assumptions

Energy Rate (\$/kWh)	0.1000
Annual Utility Rate Increase	0.00%
Discount Rate	6.00%

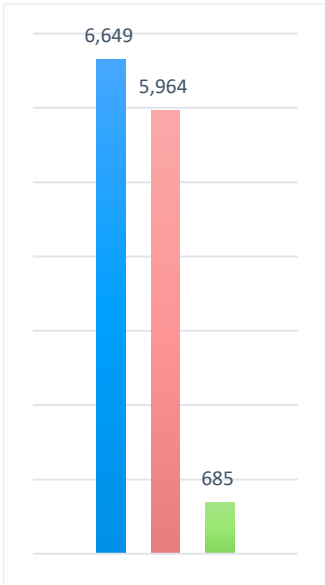
Usage (kWh)



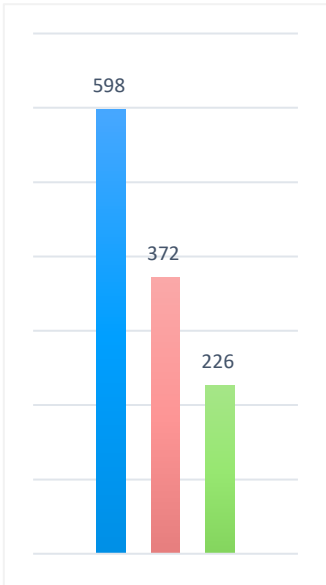
Demand (kW)



Energy Cost (\$)



Maintenance Cost (\$)



Current Proposed Savings



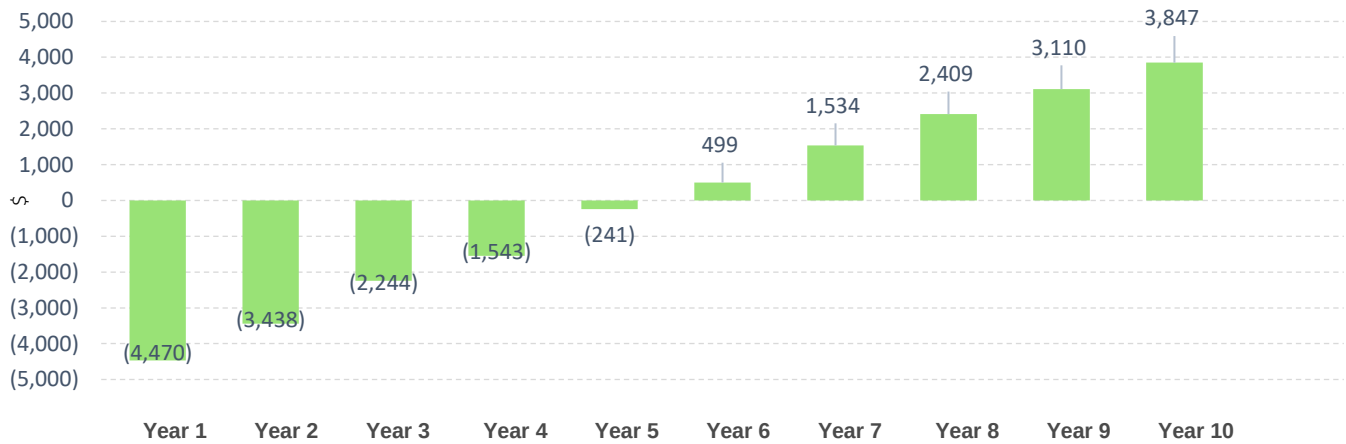
Impact of New Lighting

Energy Reduction	10%
Avg. Annual Maintenance Savings	38%
Avg. Annual Operating Savings	13%

Aggregate Operating Savings

Saving Area	Year 1	Year 5	Year 10
Energy	\$686	\$3,428	\$6,855
Maintenance	\$118	\$1,602	\$2,261
Total	\$804	\$5,030	\$9,116

Aggregate Cash Flow Over Ten Years



Itemized Cash Flow

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Project Cost	\$(6,212)	-	-	-	-	-	-	-	-	-
Rebates	\$750	-	-	-	-	-	-	-	-	-
Other Incentives	\$188	-	-	-	-	-	-	-	-	-
Energy Savings	\$686	\$686	\$686	\$686	\$686	\$686	\$686	\$686	\$686	\$686
Maintenance Savings	\$118	\$346	\$508	\$15	\$616	\$54	\$349	\$189	\$15	\$51
Net Cash Flow	\$(4,470)	\$1,032	\$1,194	\$701	\$1,302	\$740	\$1,035	\$875	\$701	\$737

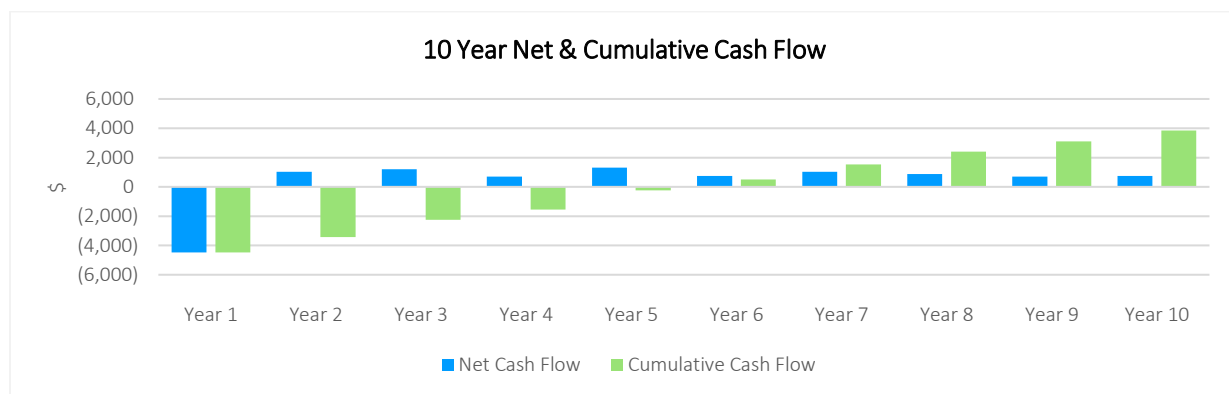
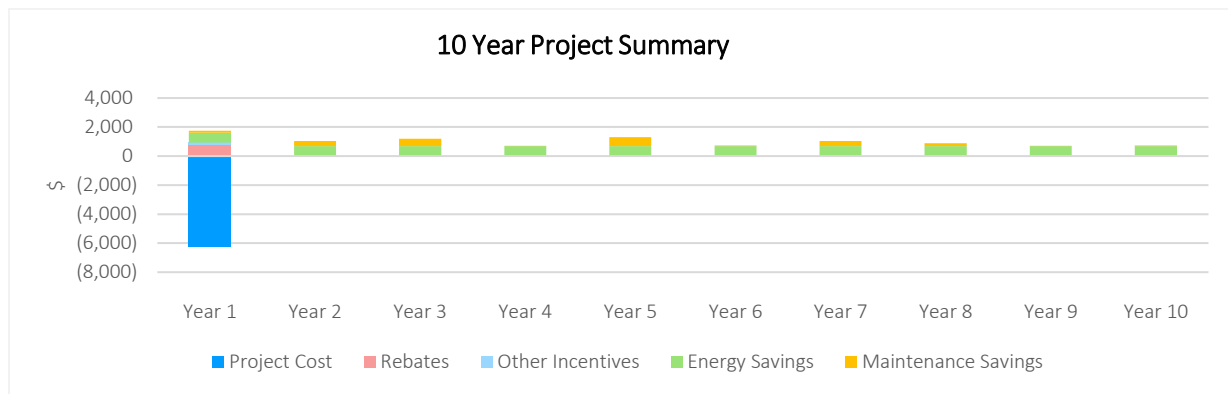


Cash Flow

We understand that finalizing a project like this often takes time. However, each day you delay your upgrade, you are missing out on the opportunity to reduce your operating expenses. As shown below, the lost opportunity continues to compound over time.

10 Year Cash Flow Analysis

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Total
Project Cost	\$(6,212)	-	-	-	-	-	-	-	-	-	\$(6,212)
Rebates	\$750	-	-	-	-	-	-	-	-	-	\$750
Other Incentives	\$188	-	-	-	-	-	-	-	-	-	\$188
Energy Savings	\$686	\$686	\$686	\$686	\$686	\$686	\$686	\$686	\$686	\$686	\$6,855
Maintenance Savings	\$118	\$346	\$508	\$15	\$616	\$54	\$349	\$189	\$15	\$51	\$2,261
Net Cash Flow	\$(4,470)	\$1,032	\$1,194	\$701	\$1,302	\$740	\$1,035	\$875	\$701	\$737	\$3,847
Cum Cash Flow	\$(4,470)	\$(3,438)	\$(2,244)	\$(1,543)	\$(241)	\$499	\$1,534	\$2,409	\$3,110	\$3,847	\$3,847

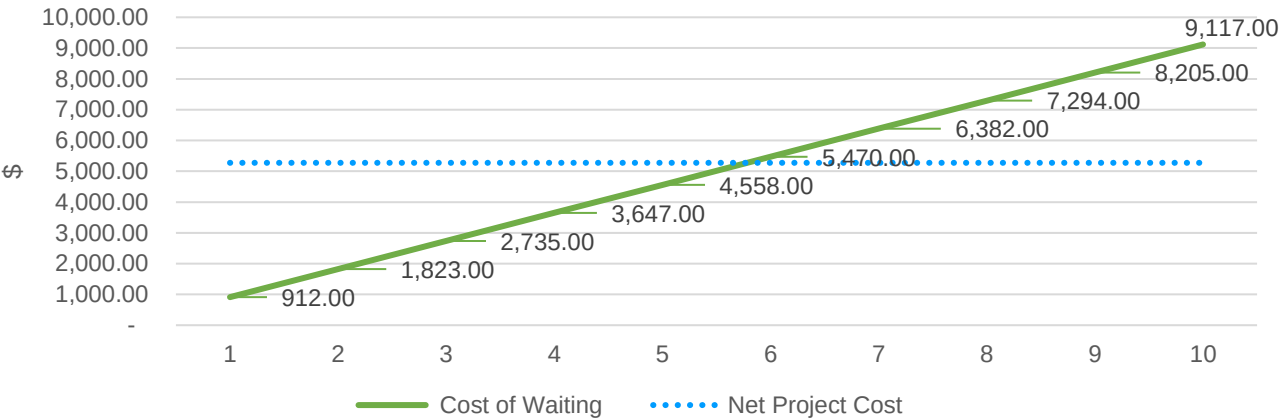




Cost Of Waiting

The cost of waiting shows the amount of cash your company will be losing if you delay the proposed lighting upgrade.

Monthly	Yearly	10 Years
\$76	\$912	\$9,117



Cost of waiting includes energy savings and maintenance savings applied as an average annual amount over a 10 year analysis period



Energy Usage

The following set of information evaluates your current energy usages and costs and compares that to the projected energy usage and costs your facility will see after the proposed lighting upgrade.

Annual Energy Usage

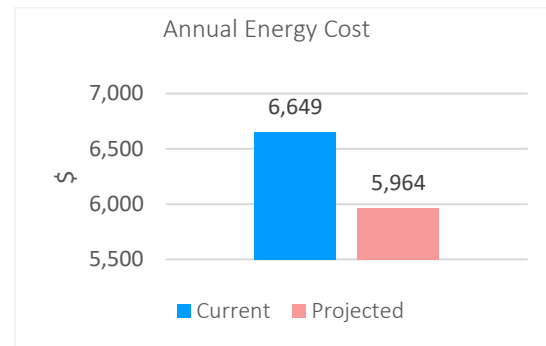
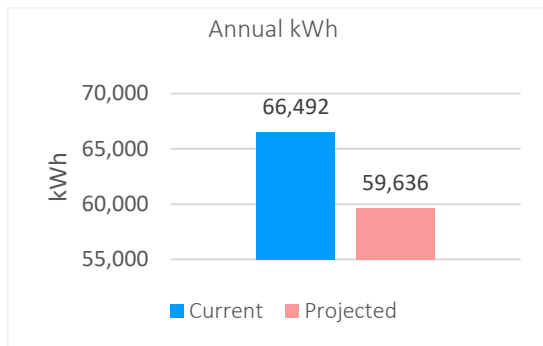
Current Usage (kWh)	Projected Usage (kWh)	Reduction	Current Cost	Projected Cost	Financial Savings	Percent Saved
66,492	59,636	10%	\$6,649	\$5,964	\$685	10%

1. Energy cost = \$0.1000/kWh; Annual energy cost escalation = 0.00%
2. Energy costs are averaged over 10 year analysis period
3. Projected Usage (kWh) includes savings from controls if applicable

Annual Energy Usage Reduction

Current Usage (kWh)	Projected Usage (kWh)	Reduction (kWh)	Reduction
66,492	59,636	6,856	10%

Energy Comparison



1. Energy Cost = \$0.1000/kWh; Annual energy cost escalation = 0.00%
2. Energy costs are averaged over 10 year analysis period



Watts Summary

Existing Watts	Proposed Watts	Reduced Watts	Reduction
28,718	25,756	2,962	10%

The calculations in this table take into account the existing fixtures that are being replaced, upgraded, and/or have new lighting controls being proposed for them

Upgrade Analysis

Fixture Replacement by Space

Post Office

Space	Existing Fixture	Qty	Proposed Solution	Qty
Back Area	Troffer/T8 Fluorescent/4 ft/32.0W/2 Lamp	2	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	4
Back Area	Troffer/T8 Fluorescent/4 ft/32.0W/3 Lamp	26	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	78
Back Area	Wrap/T8 Fluorescent/4 ft/32.0W/2 Lamp	2	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	4
Front	Troffer/T8 Fluorescent/4 ft/32.0W/2 Lamp	10	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	20
Front	Troffer/T8 Fluorescent/4 ft/32.0W/2 Lamp	1	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	2

Sport Complex

Space	Existing Fixture	Qty	Proposed Solution	Qty
Concessions Stand	Downlight/CFL Pin Base/13.0W/2 Lamp	6	Part No: CAN TRIM 6 WIRED Downlight/Retrofit Kit	6
Concessions Stand	Wallpack/High Pressure Sodium/100.0W/1 Lamp	1	Part No: PT-WPF-LW-3CP Wall Mount	1
Concessions Stand	Wrap/T8 Fluorescent/4 ft/32.0W/2 Lamp	3	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	6
Concessions Stand	Wrap/T8 Fluorescent/4 ft/32.0W/3 Lamp	6	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	18
Exit Lights	Exit & Emergency/Halogen/20.0W/1 Lamp	1	Part No: PT-EXL-C-S-RC Exit & Emergency	1
Wallpacks	Wallpack/High Pressure Sodium/100.0W/1 Lamp	4	Part No: PT-WPF-LW-3CP Wall Mount	4
Warming House	Vapor Tight/T8 Fluorescent/4 ft/32.0W/2 Lamp	18	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	36
Warming House	Wrap/T8 Fluorescent/4 ft/32.0W/2 Lamp	9	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	18



Appendix

Financial Assumptions

Analysis Period (Years)	10
Payback Calculation Method	Cash Flow Payback
Cost of Capital	6.00%
Average Cost of Electricity	0.1000 \$/kWh
Annual Energy Inflation	0.00%
Annual Material Inflation	0.00%
Annual Service Inflation	0.00%
Product Tax Rate	0.00%
Service Tax Rate	0.00%

Schedules

Schedule Name	Hours/Week	Hours/Year
4 day	28	1,460
500	10	500
6 week	6	313
Continuous (24x7)	168	8,760
Dusk to Dawn	84	4,380
Weekdays (9-6)	45	2,346

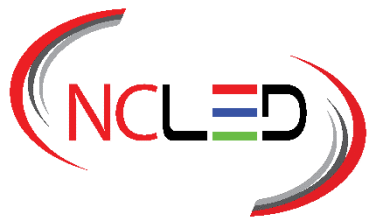
LIGHTING RETROFIT PROPOSAL

Prepared for
Eric Linczmaier
Post Office Logical Fixture Option
Includes 10% Gov & 15% Trade Ally Bonus Incentives

Site Information

Name: Village of Sister Bay
Address: 2155 Autumn Ct
Sister Bay WI 54234

Proposal Date	Proposal Expires
January 27, 2025	February 28, 2025



Mark Wright
Sales Representative
920-655-2468ex102
mwright@ncledlighting.com



Executive Summary

Project Costs

Total Project Cost	\$5,557
Sales Tax	\$0
Incentives/Rebates	\$1,005
Turnkey Project Cost	\$4,552

Financial Metrics

Payback Period (yrs)	8.67
Avg. Annual Return	11%
10 Yr Operating Savings	\$5,124
Net Present Value	\$(617)

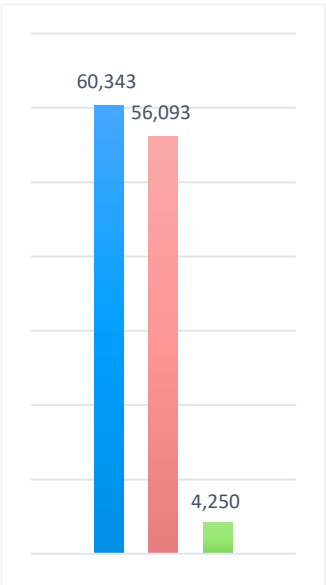
Cost of Waiting

Postpone for one month	\$43
Postpone for six months	\$256
Postpone for one year	\$512

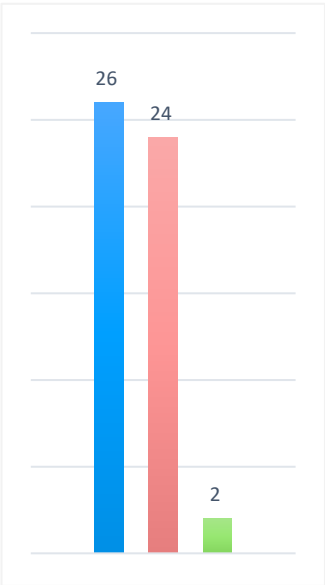
Assumptions

Energy Rate (\$/kWh)	0.1000
Annual Utility Rate Increase	0.00%
Discount Rate	6.00%

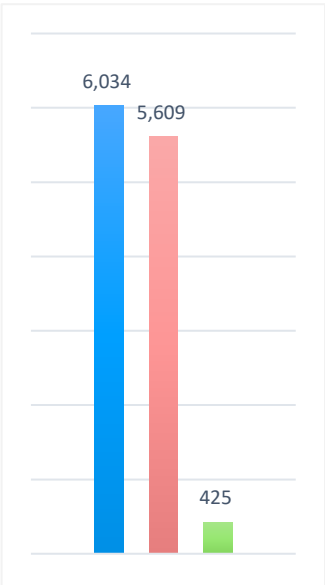
Usage (kWh)



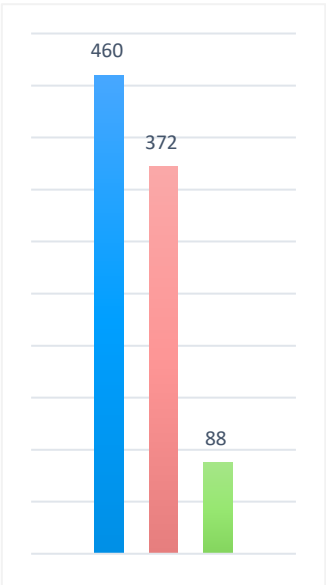
Demand (kW)



Energy Cost (\$)



Maintenance Cost (\$)



Current Proposed Savings



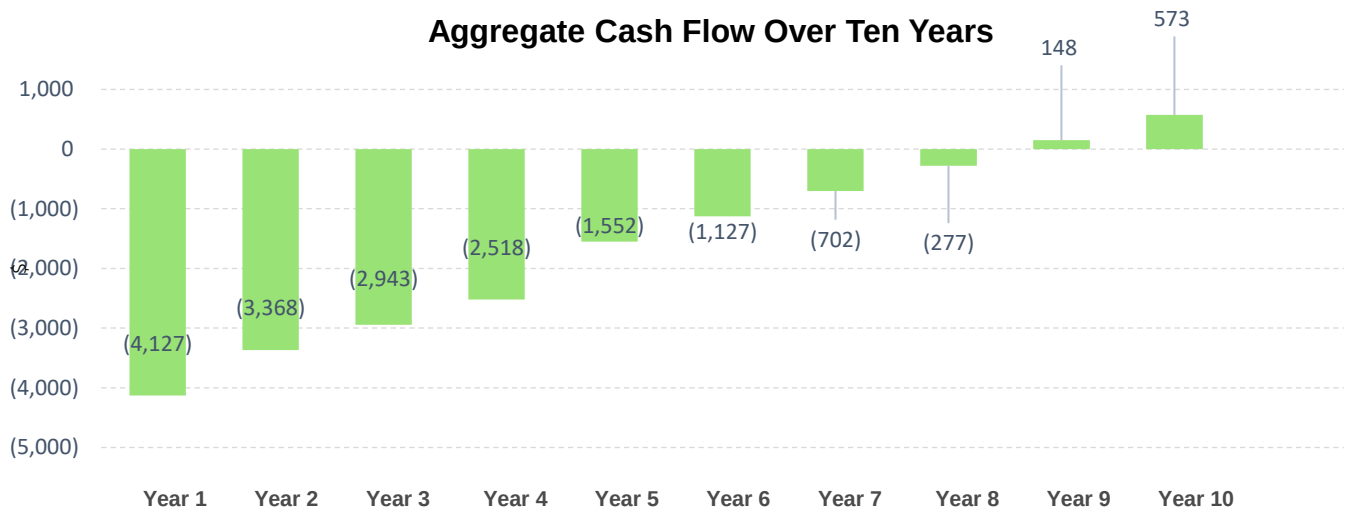
Impact of New Lighting

Energy Reduction	7%
Avg. Annual Maintenance Savings	19%
Avg. Annual Operating Savings	8%

Aggregate Operating Savings

Saving Area	Year 1	Year 5	Year 10
Energy	\$425	\$2,125	\$4,250
Maintenance	\$0	\$874	\$874
Total	\$425	\$2,999	\$5,124

Aggregate Cash Flow Over Ten Years



Itemized Cash Flow

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Project Cost	\$(5,557)	-	-	-	-	-	-	-	-	-
Rebates	\$804	-	-	-	-	-	-	-	-	-
Other Incentives	\$201	-	-	-	-	-	-	-	-	-
Energy Savings	\$425	\$425	\$425	\$425	\$425	\$425	\$425	\$425	\$425	\$425
Maintenance Savings	\$0	\$334	\$0	\$0	\$541	\$0	\$0	\$0	\$0	\$0
Net Cash Flow	\$(4,127)	\$759	\$425	\$425	\$966	\$425	\$425	\$425	\$425	\$425

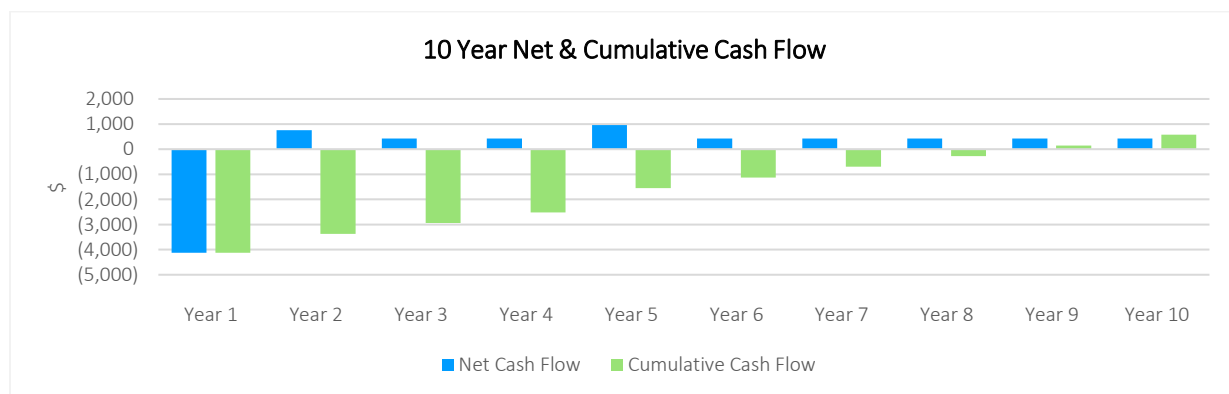
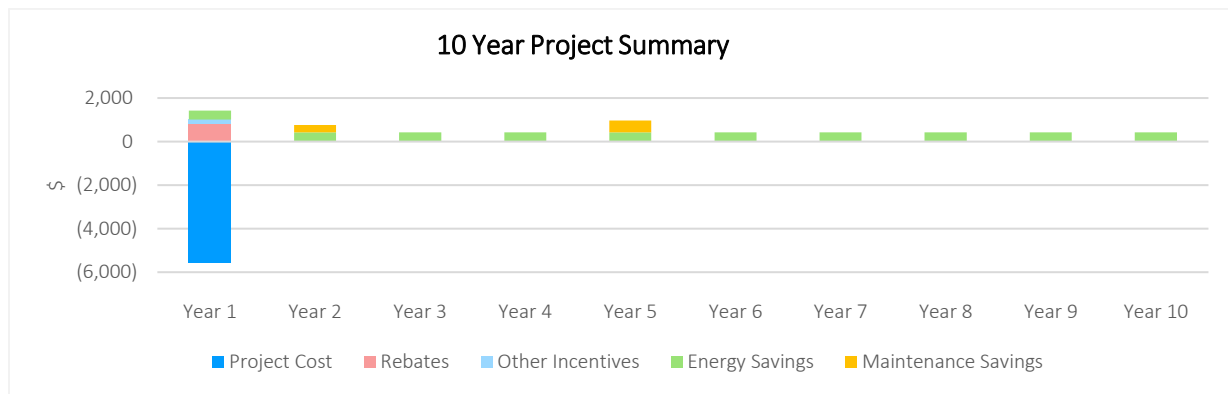


Cash Flow

We understand that finalizing a project like this often takes time. However, each day you delay your upgrade, you are missing out on the opportunity to reduce your operating expenses. As shown below, the lost opportunity continues to compound over time.

10 Year Cash Flow Analysis

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Total
Project Cost	\$(5,557)	-	-	-	-	-	-	-	-	-	\$(5,557)
Rebates	\$804	-	-	-	-	-	-	-	-	-	\$804
Other Incentives	\$201	-	-	-	-	-	-	-	-	-	\$201
Energy Savings	\$425	\$425	\$425	\$425	\$425	\$425	\$425	\$425	\$425	\$425	\$4,250
Maintenance Savings	\$0	\$334	\$0	\$0	\$541	\$0	\$0	\$0	\$0	\$0	\$874
Net Cash Flow	\$(4,127)	\$759	\$425	\$425	\$966	\$425	\$425	\$425	\$425	\$425	\$573
Cum Cash Flow	\$(4,127)	\$(3,368)	\$(2,943)	\$(2,518)	\$(1,552)	\$(1,127)	\$(702)	\$(277)	\$148	\$573	\$573

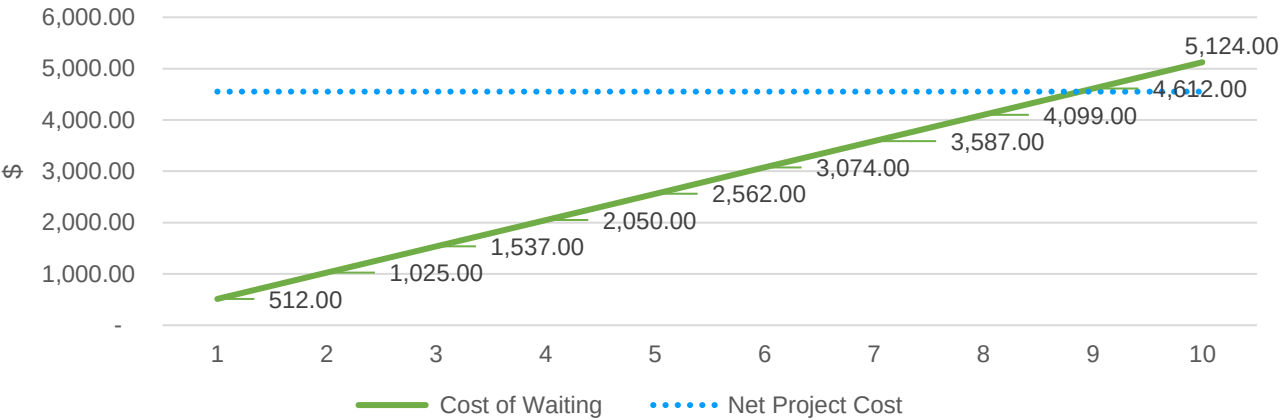




Cost Of Waiting

The cost of waiting shows the amount of cash your company will be losing if you delay the proposed lighting upgrade.

Monthly	Yearly	10 Years
\$43	\$512	\$5,124



Cost of waiting includes energy savings and maintenance savings applied as an average annual amount over a 10 year analysis period



Energy Usage

The following set of information evaluates your current energy usages and costs and compares that to the projected energy usage and costs your facility will see after the proposed lighting upgrade.

Annual Energy Usage

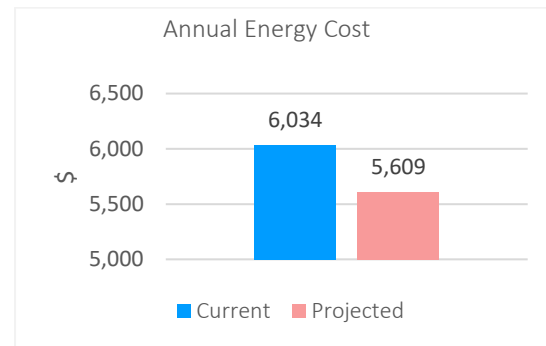
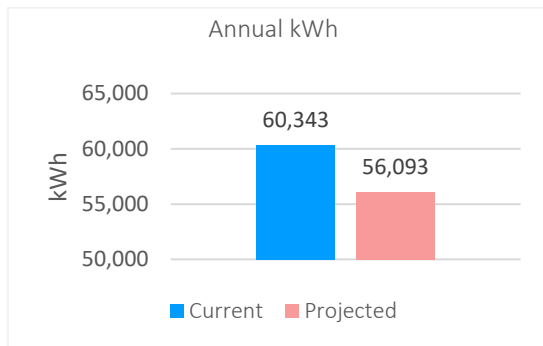
Current Usage (kWh)	Projected Usage (kWh)	Reduction	Current Cost	Projected Cost	Financial Savings	Percent Saved
60,343	56,093	7%	\$6,034	\$5,609	\$425	7%

1. Energy cost = \$0.1000/kWh; Annual energy cost escalation = 0.00%
2. Energy costs are averaged over 10 year analysis period
3. Projected Usage (kWh) includes savings from controls if applicable

Annual Energy Usage Reduction

Current Usage (kWh)	Projected Usage (kWh)	Reduction (kWh)	Reduction
60,343	56,093	4,250	7%

Energy Comparison



1. Energy Cost = \$0.1000/kWh; Annual energy cost escalation = 0.00%
2. Energy costs are averaged over 10 year analysis period



Watts Summary

Existing Watts	Proposed Watts	Reduced Watts	Reduction
25,722	23,910	1,812	7%

The calculations in this table take into account the existing fixtures that are being replaced, upgraded, and/or have new lighting controls being proposed for them



Upgrade Analysis

Fixture Replacement by Space

Post Office

Space	Existing Fixture	Qty	Proposed Solution	Qty
Back Area	Troffer/T8 Fluorescent/4 ft/32.0W/2 Lamp	2	Part No: CCT FP24 Troffers & Panels/2x4ft/Tunable White	2
Back Area	Troffer/T8 Fluorescent/4 ft/32.0W/3 Lamp	26	Part No: CCT FP24 Troffers & Panels/2x4ft/Tunable White	26
Back Area	Wrap/T8 Fluorescent/4 ft/32.0W/2 Lamp	2	Part No: CCT Wrap 30/35/40 Wrap	2
Front	Troffer/T8 Fluorescent/4 ft/32.0W/2 Lamp	10	Part No: CCT FP24 Troffers & Panels/2x4ft/Tunable White	10
Front	Troffer/T8 Fluorescent/4 ft/32.0W/2 Lamp	1	Part No: CCT FP14 Troffers & Panels/1x4ft/Field Selectable	1



Appendix

Financial Assumptions

Analysis Period (Years)	10
Payback Calculation Method	Cash Flow Payback
Cost of Capital	6.00%
Average Cost of Electricity	0.1000 \$/kWh
Annual Energy Inflation	0.00%
Annual Material Inflation	0.00%
Annual Service Inflation	0.00%
Product Tax Rate	0.00%
Service Tax Rate	0.00%

Schedules

Schedule Name	Hours/Week	Hours/Year
4 day	28	1,460
500	10	500
6 week	6	313
Continuous (24x7)	168	8,760
Dusk to Dawn	84	4,380
Weekdays (9-6)	45	2,346

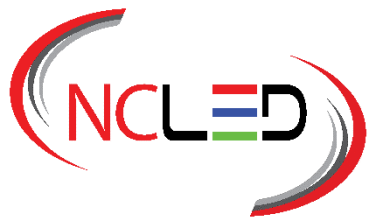
LIGHTING RETROFIT PROPOSAL

Prepared for
Eric Linczmaier
Post Office Re-Lamp Option
Includes 10% Gov & 15% Trade Ally Bonus Incentives

Site Information

Name: Village of Sister Bay
Address: 2155 Autumn Ct
Sister Bay WI 54234

Proposal Date	Proposal Expires
January 27, 2025	February 28, 2025



Mark Wright
Sales Representative
920-655-2468ex102
mwright@ncledlighting.com



Executive Summary

Project Costs

Total Project Cost	\$2,991
Sales Tax	\$0
Incentives/Rebates	\$338
Turnkey Project Cost	\$2,653

Financial Metrics

Payback Period (yrs)	5.42
Avg. Annual Return	16%
10 Yr Operating Savings	\$4,209
Net Present Value	\$590

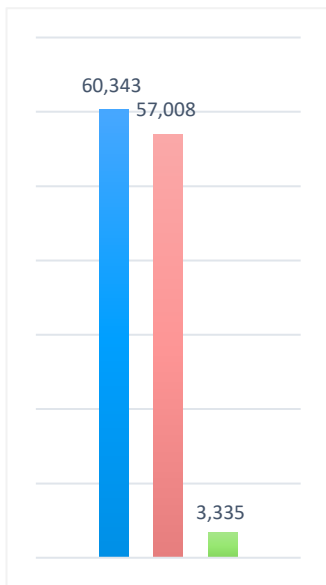
Cost of Waiting

Postpone for one month	\$35
Postpone for six months	\$210
Postpone for one year	\$421

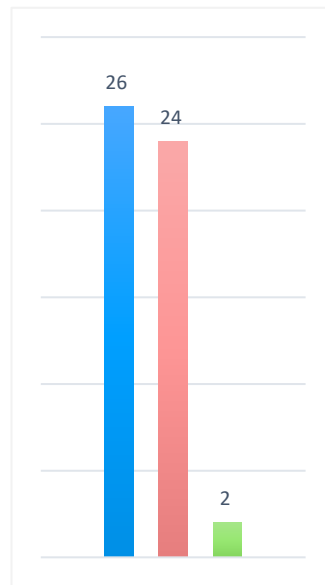
Assumptions

Energy Rate (\$/kWh)	0.1000
Annual Utility Rate Increase	0.00%
Discount Rate	6.00%

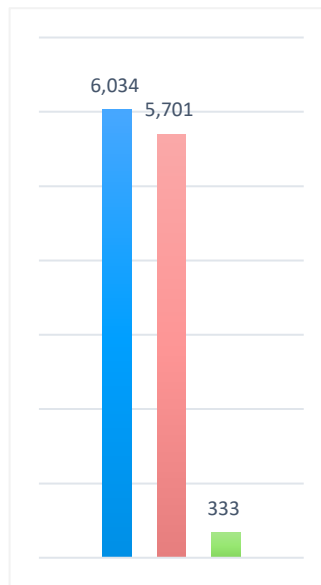
Usage (kWh)



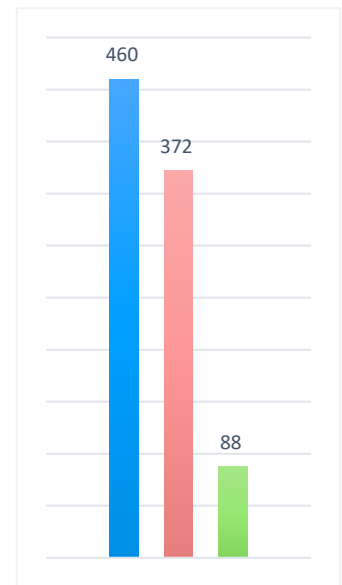
Demand (kW)



Energy Cost (\$)



Maintenance Cost (\$)



Current Proposed Savings



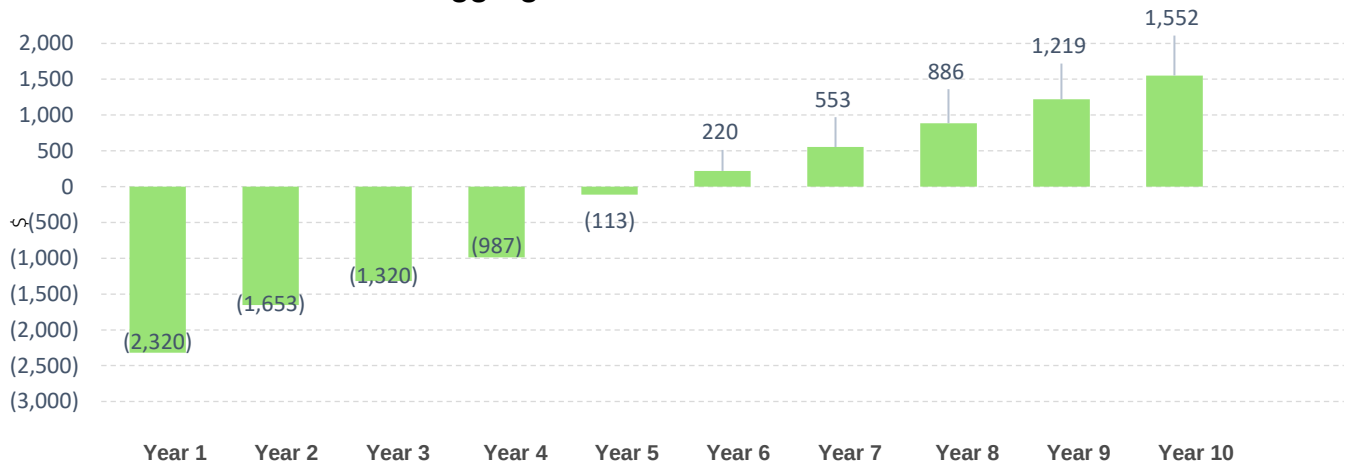
Impact of New Lighting

Energy Reduction	6%
Avg. Annual Maintenance Savings	19%
Avg. Annual Operating Savings	6%

Aggregate Operating Savings

Saving Area	Year 1	Year 5	Year 10
Energy	\$333	\$1,667	\$3,335
Maintenance	\$0	\$874	\$874
Total	\$333	\$2,541	\$4,209

Aggregate Cash Flow Over Ten Years



Itemized Cash Flow

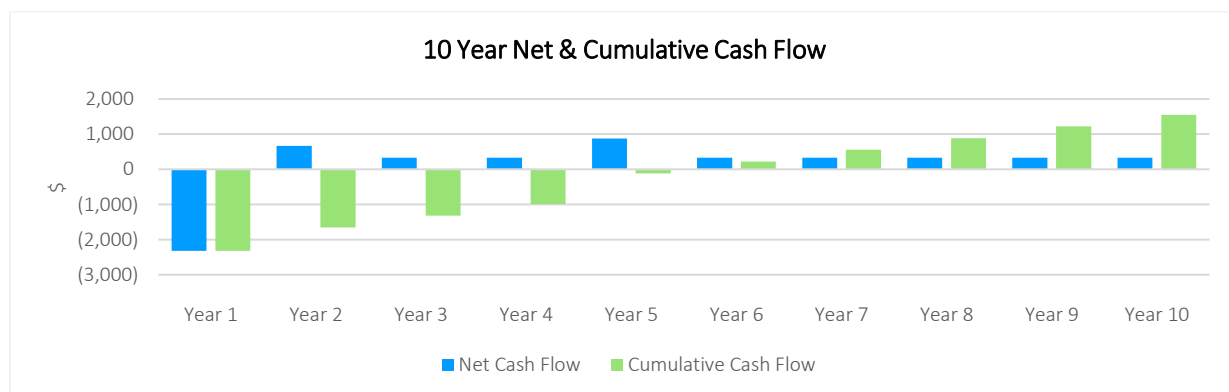
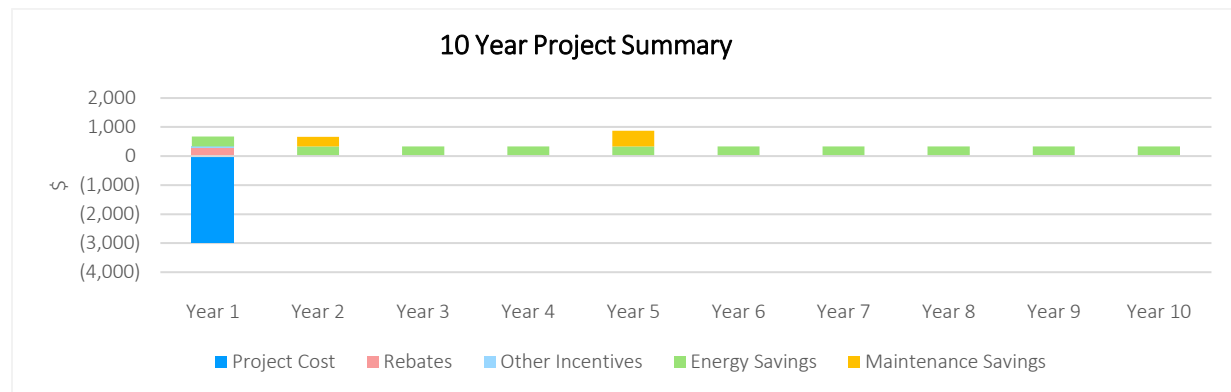
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Project Cost	\$(2,991)	-	-	-	-	-	-	-	-	-
Rebates	\$270	-	-	-	-	-	-	-	-	-
Other Incentives	\$68	-	-	-	-	-	-	-	-	-
Energy Savings	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333
Maintenance Savings	\$0	\$334	\$0	\$0	\$541	\$0	\$0	\$0	\$0	\$0
Net Cash Flow	\$(2,320)	\$667	\$333	\$333	\$874	\$333	\$333	\$333	\$333	\$333

Cash Flow

We understand that finalizing a project like this often takes time. However, each day you delay your upgrade, you are missing out on the opportunity to reduce your operating expenses. As shown below, the lost opportunity continues to compound over time.

10 Year Cash Flow Analysis

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Total
Project Cost	\$(2,991)	-	-	-	-	-	-	-	-	-	\$(2,991)
Rebates	\$270	-	-	-	-	-	-	-	-	-	\$270
Other Incentives	\$68	-	-	-	-	-	-	-	-	-	\$68
Energy Savings	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$3,335
Maintenance Savings	\$0	\$334	\$0	\$0	\$541	\$0	\$0	\$0	\$0	\$0	\$874
Net Cash Flow	\$(2,320)	\$667	\$333	\$333	\$874	\$333	\$333	\$333	\$333	\$333	\$1,552
Cum Cash Flow	\$(2,320)	\$(1,653)	\$(1,320)	\$(987)	\$(113)	\$220	\$553	\$886	\$1,219	\$1,552	\$1,552

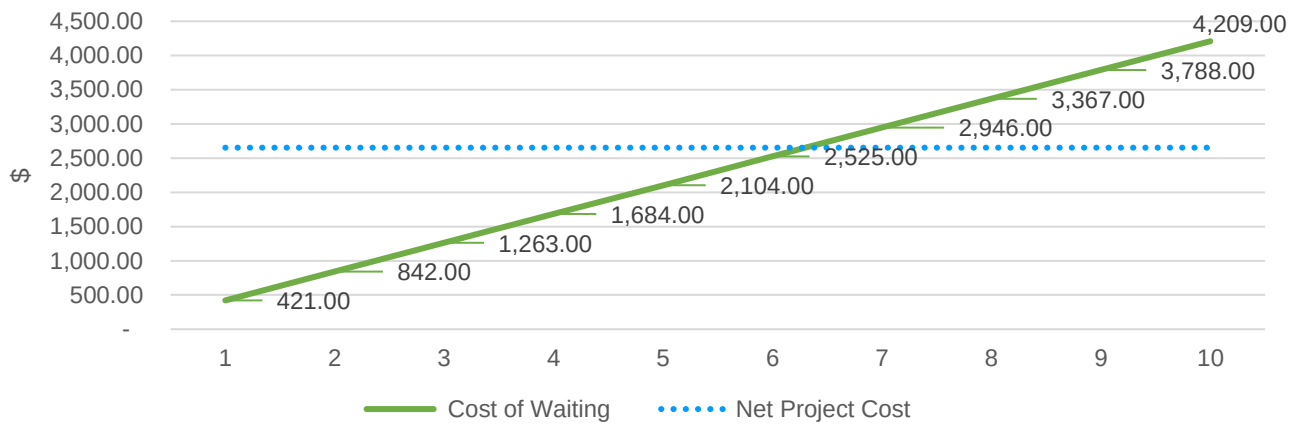




Cost Of Waiting

The cost of waiting shows the amount of cash your company will be losing if you delay the proposed lighting upgrade.

Monthly	Yearly	10 Years
\$35	\$421	\$4,209



Cost of waiting includes energy savings and maintenance savings applied as an average annual amount over a 10 year analysis period



Energy Usage

The following set of information evaluates your current energy usages and costs and compares that to the projected energy usage and costs your facility will see after the proposed lighting upgrade.

Annual Energy Usage

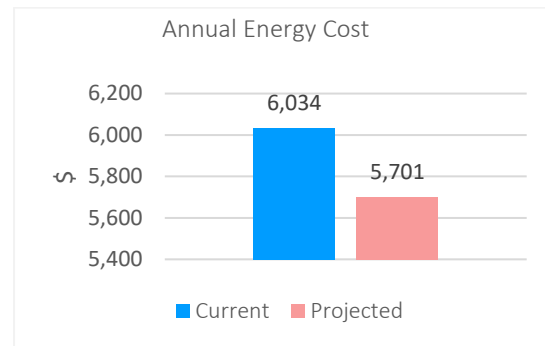
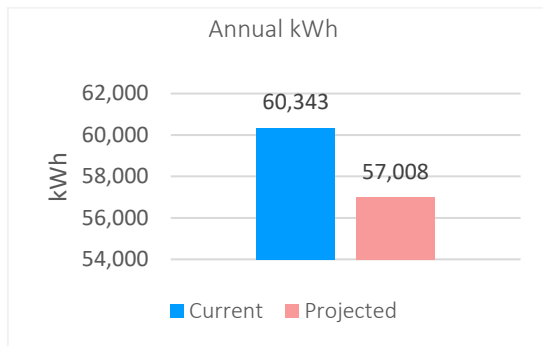
Current Usage (kWh)	Projected Usage (kWh)	Reduction	Current Cost	Projected Cost	Financial Savings	Percent Saved
60,343	57,008	6%	\$6,034	\$5,701	\$333	6%

1. Energy cost = \$0.1000/kWh; Annual energy cost escalation = 0.00%
2. Energy costs are averaged over 10 year analysis period
3. Projected Usage (kWh) includes savings from controls if applicable

Annual Energy Usage Reduction

Current Usage (kWh)	Projected Usage (kWh)	Reduction (kWh)	Reduction
60,343	57,008	3,335	6%

Energy Comparison



1. Energy Cost = \$0.1000/kWh; Annual energy cost escalation = 0.00%
2. Energy costs are averaged over 10 year analysis period



Watts Summary

Existing Watts	Proposed Watts	Reduced Watts	Reduction
25,722	24,300	1,422	6%

The calculations in this table take into account the existing fixtures that are being replaced, upgraded, and/or have new lighting controls being proposed for them



Upgrade Analysis

Fixture Replacement by Space

Post Office

Space	Existing Fixture	Qty	Proposed Solution	Qty
Back Area	Troffer/T8 Fluorescent/4 ft/32.0W/2 Lamp	2	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	4
Back Area	Troffer/T8 Fluorescent/4 ft/32.0W/3 Lamp	26	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	78
Back Area	Wrap/T8 Fluorescent/4 ft/32.0W/2 Lamp	2	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	4
Front	Troffer/T8 Fluorescent/4 ft/32.0W/2 Lamp	10	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	20
Front	Troffer/T8 Fluorescent/4 ft/32.0W/2 Lamp	1	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	2



Appendix

Financial Assumptions

Analysis Period (Years)	10
Payback Calculation Method	Cash Flow Payback
Cost of Capital	6.00%
Average Cost of Electricity	0.1000 \$/kWh
Annual Energy Inflation	0.00%
Annual Material Inflation	0.00%
Annual Service Inflation	0.00%
Product Tax Rate	0.00%
Service Tax Rate	0.00%

Schedules

Schedule Name	Hours/Week	Hours/Year
4 day	28	1,460
500	10	500
6 week	6	313
Continuous (24x7)	168	8,760
Dusk to Dawn	84	4,380
Weekdays (9-6)	45	2,346

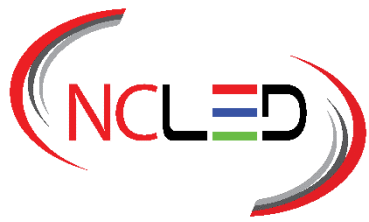
LIGHTING RETROFIT PROPOSAL

Prepared for
Eric Linczmaier
Sport Complex Logical Fixture Option
Includes 10% Gov & 15% Trade Ally Bonus Incentives

Site Information

Name: Village of Sister Bay
Address: 2155 Autumn Ct
Sister Bay WI 54234

Proposal Date	Proposal Expires
January 27, 2025	February 28, 2025



Mark Wright
Sales Representative
920-655-2468ex102
mwright@ncledlighting.com



Executive Summary

Project Costs

Total Project Cost	\$7,528
Sales Tax	\$0
Incentives/Rebates	\$896
Turnkey Project Cost	\$6,632

Financial Metrics

Payback Period (yrs)	14.92
Avg. Annual Return	7%
10 Yr Operating Savings	\$4,536
Net Present Value	\$(3,184)

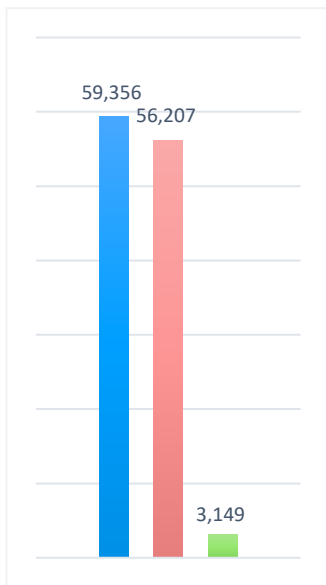
Cost of Waiting

Postpone for one month	\$38
Postpone for six months	\$227
Postpone for one year	\$454

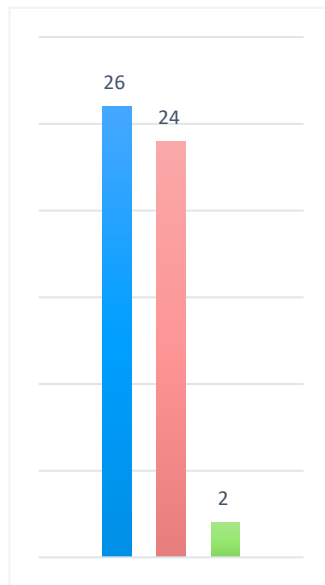
Assumptions

Energy Rate (\$/kWh)	0.1000
Annual Utility Rate Increase	0.00%
Discount Rate	6.00%

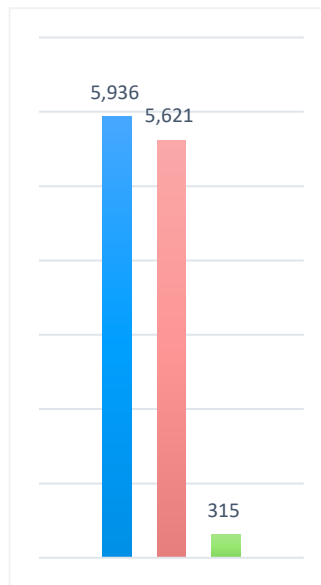
Usage (kWh)



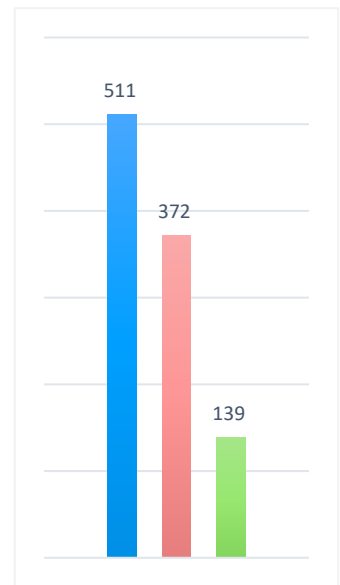
Demand (kW)



Energy Cost (\$)



Maintenance Cost (\$)



Current Proposed Savings



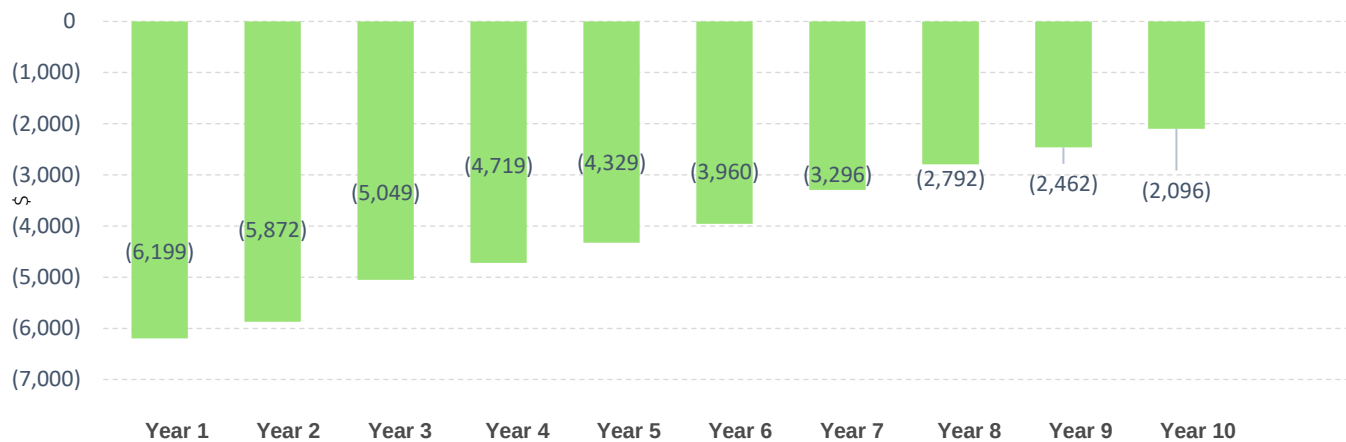
Impact of New Lighting

Energy Reduction	5%
Avg. Annual Maintenance Savings	27%
Avg. Annual Operating Savings	7%

Aggregate Operating Savings

Saving Area	Year 1	Year 5	Year 10
Energy	\$315	\$1,574	\$3,149
Maintenance	\$118	\$728	\$1,387
Total	\$433	\$2,302	\$4,536

Aggregate Cash Flow Over Ten Years



Itemized Cash Flow

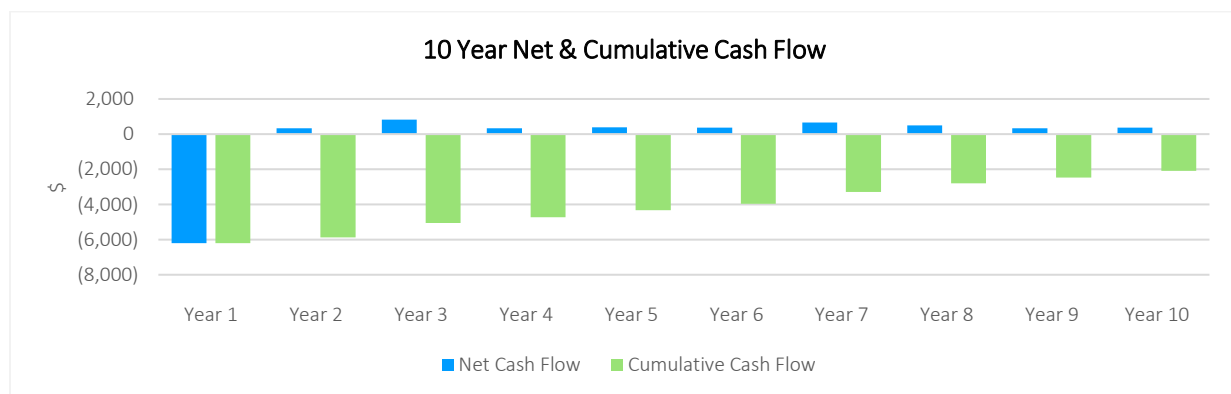
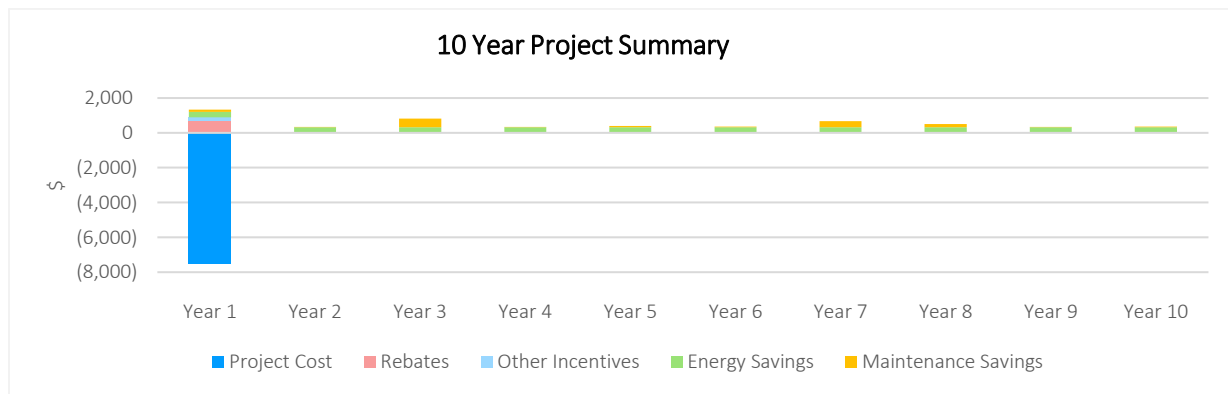
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Project Cost	\$(7,528)	-	-	-	-	-	-	-	-	-
Rebates	\$717	-	-	-	-	-	-	-	-	-
Other Incentives	\$179	-	-	-	-	-	-	-	-	-
Energy Savings	\$315	\$315	\$315	\$315	\$315	\$315	\$315	\$315	\$315	\$315
Maintenance Savings	\$118	\$12	\$508	\$15	\$75	\$54	\$349	\$189	\$15	\$51
Net Cash Flow	\$(6,199)	\$327	\$823	\$330	\$390	\$369	\$664	\$504	\$330	\$366

Cash Flow

We understand that finalizing a project like this often takes time. However, each day you delay your upgrade, you are missing out on the opportunity to reduce your operating expenses. As shown below, the lost opportunity continues to compound over time.

10 Year Cash Flow Analysis

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Total
Project Cost	\$(7,528)	-	-	-	-	-	-	-	-	-	\$(7,528)
Rebates	\$717	-	-	-	-	-	-	-	-	-	\$717
Other Incentives	\$179	-	-	-	-	-	-	-	-	-	\$179
Energy Savings	\$315	\$315	\$315	\$315	\$315	\$315	\$315	\$315	\$315	\$315	\$3,149
Maintenance Savings	\$118	\$12	\$508	\$15	\$75	\$54	\$349	\$189	\$15	\$51	\$1,387
Net Cash Flow	\$(6,199)	\$327	\$823	\$330	\$390	\$369	\$664	\$504	\$330	\$366	\$(2,096)
Cum Cash Flow	\$(6,199)	\$(5,872)	\$(5,049)	\$(4,719)	\$(4,329)	\$(3,960)	\$(3,296)	\$(2,792)	\$(2,462)	\$(2,096)	\$(2,096)

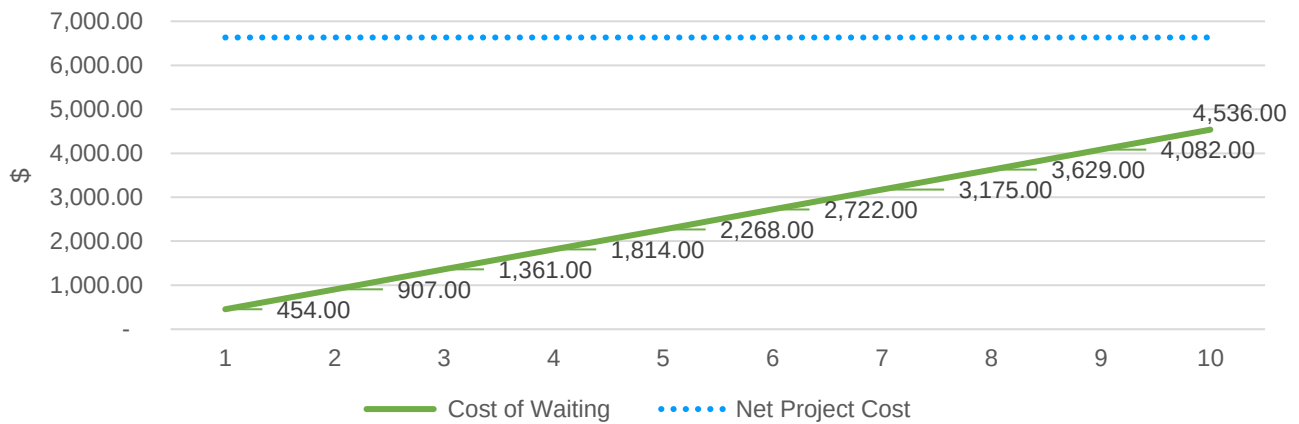




Cost Of Waiting

The cost of waiting shows the amount of cash your company will be losing if you delay the proposed lighting upgrade.

Monthly	Yearly	10 Years
\$38	\$454	\$4,536



Cost of waiting includes energy savings and maintenance savings applied as an average annual amount over a 10 year analysis period



Energy Usage

The following set of information evaluates your current energy usages and costs and compares that to the projected energy usage and costs your facility will see after the proposed lighting upgrade.

Annual Energy Usage

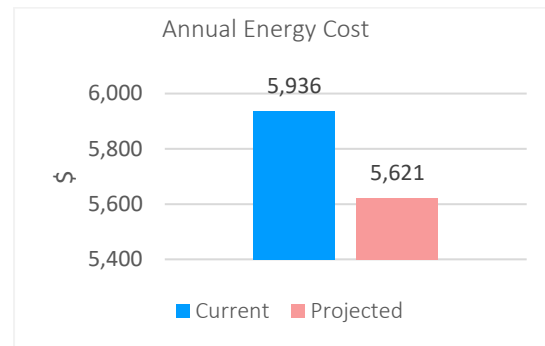
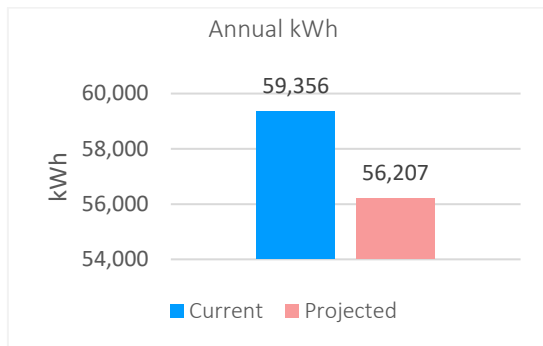
Current Usage (kWh)	Projected Usage (kWh)	Reduction	Current Cost	Projected Cost	Financial Savings	Percent Saved
59,356	56,207	5%	\$5,936	\$5,621	\$315	5%

1. Energy cost = \$0.1000/kWh; Annual energy cost escalation = 0.00%
2. Energy costs are averaged over 10 year analysis period
3. Projected Usage (kWh) includes savings from controls if applicable

Annual Energy Usage Reduction

Current Usage (kWh)	Projected Usage (kWh)	Reduction (kWh)	Reduction
59,356	56,207	3,149	5%

Energy Comparison



1. Energy Cost = \$0.1000/kWh; Annual energy cost escalation = 0.00%
2. Energy costs are averaged over 10 year analysis period



Watts Summary

Existing Watts	Proposed Watts	Reduced Watts	Reduction
25,676	24,360	1,316	5%

The calculations in this table take into account the existing fixtures that are being replaced, upgraded, and/or have new lighting controls being proposed for them



Upgrade Analysis

Fixture Replacement by Space

Sport Complex

Space	Existing Fixture	Qty	Proposed Solution	Qty
Concessions Stand	Downlight/CFL Pin Base/13.0W/2 Lamp	6	Part No: CAN TRIM 6 WIRED Downlight/Retrofit Kit	6
Concessions Stand	Wallpack/High Pressure Sodium/100.0W/1 Lamp	1	Part No: PT-WPF-LW-3CP Wall Mount	1
Concessions Stand	Wrap/T8 Fluorescent/4 ft/32.0W/2 Lamp	3	Part No: CCT Wrap 30/35/40 Wrap	3
Concessions Stand	Wrap/T8 Fluorescent/4 ft/32.0W/3 Lamp	6	Part No: CCT Wrap 30/35/40 Wrap	6
Exit Lights	Exit & Emergency/Halogen/20.0W/1 Lamp	1	Part No: PT-EXL-C-S-RC Exit & Emergency	1
Wallpacks	Wallpack/High Pressure Sodium/100.0W/1 Lamp	4	Part No: PT-WPF-LW-3CP Wall Mount	4
Warming House	Vapor Tight/T8 Fluorescent/4 ft/32.0W/2 Lamp	18	Part No: 4 Ft Vaportight Vapor Tight	18
Warming House	Wrap/T8 Fluorescent/4 ft/32.0W/2 Lamp	9	Part No: PT-WAS-4F5I-3CP Wrap	9



Appendix

Financial Assumptions

Analysis Period (Years)	10
Payback Calculation Method	Cash Flow Payback
Cost of Capital	6.00%
Average Cost of Electricity	0.1000 \$/kWh
Annual Energy Inflation	0.00%
Annual Material Inflation	0.00%
Annual Service Inflation	0.00%
Product Tax Rate	0.00%
Service Tax Rate	0.00%

Schedules

Schedule Name	Hours/Week	Hours/Year
4 day	28	1,460
500	10	500
6 week	6	313
Continuous (24x7)	168	8,760
Dusk to Dawn	84	4,380
Weekdays (9-6)	45	2,346

LIGHTING RETROFIT PROPOSAL

Prepared for

Eric Linczmaier

Sports Complex Re-Lamp Option (Fixture Exterior)

Includes 10% Gov & 15% Trade Ally Bonus Incentives

Site Information

Name: Village of Sister Bay

Address: 2155 Autumn Ct
Sister Bay WI 54234

Proposal Date

January 27, 2025

Proposal Expires

February 28, 2025



Mark Wright
Sales Representative
920-655-2468ex102
mwright@ncledlighting.com



Executive Summary

Project Costs

Total Project Cost	\$3,870
Sales Tax	\$0
Incentives/Rebates	\$600
Turnkey Project Cost	\$3,270

Financial Metrics

Payback Period (yrs)	6.92
Avg. Annual Return	15%
10 Yr Operating Savings	\$4,907
Net Present Value	\$459

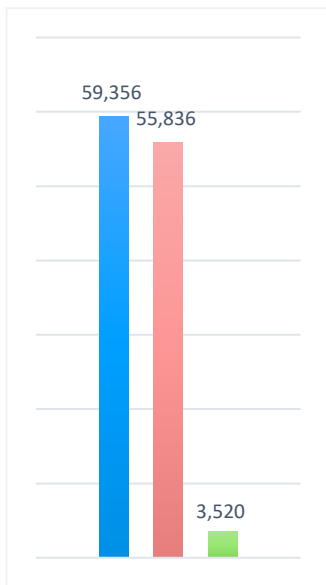
Cost of Waiting

Postpone for one month	\$41
Postpone for six months	\$245
Postpone for one year	\$491

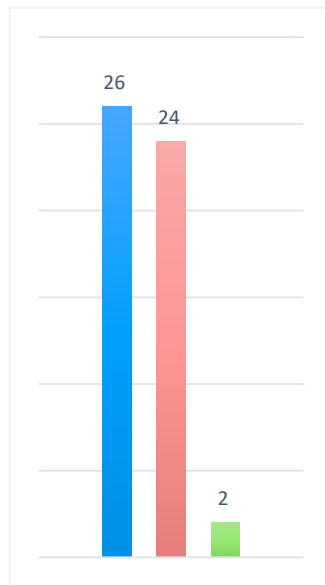
Assumptions

Energy Rate (\$/kWh)	0.1000
Annual Utility Rate Increase	0.00%
Discount Rate	6.00%

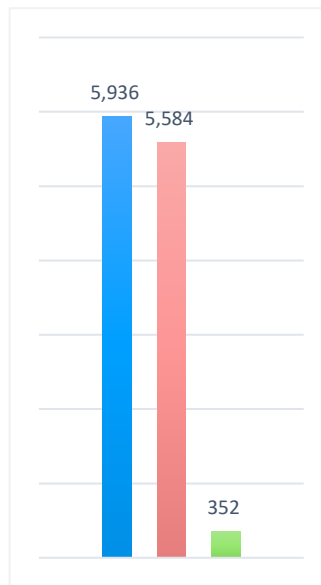
Usage (kWh)



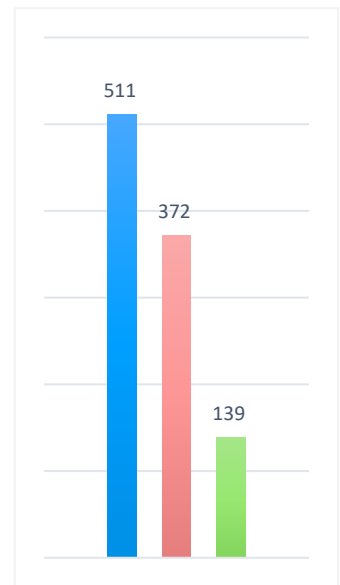
Demand (kW)



Energy Cost (\$)



Maintenance Cost (\$)



Current Proposed Savings



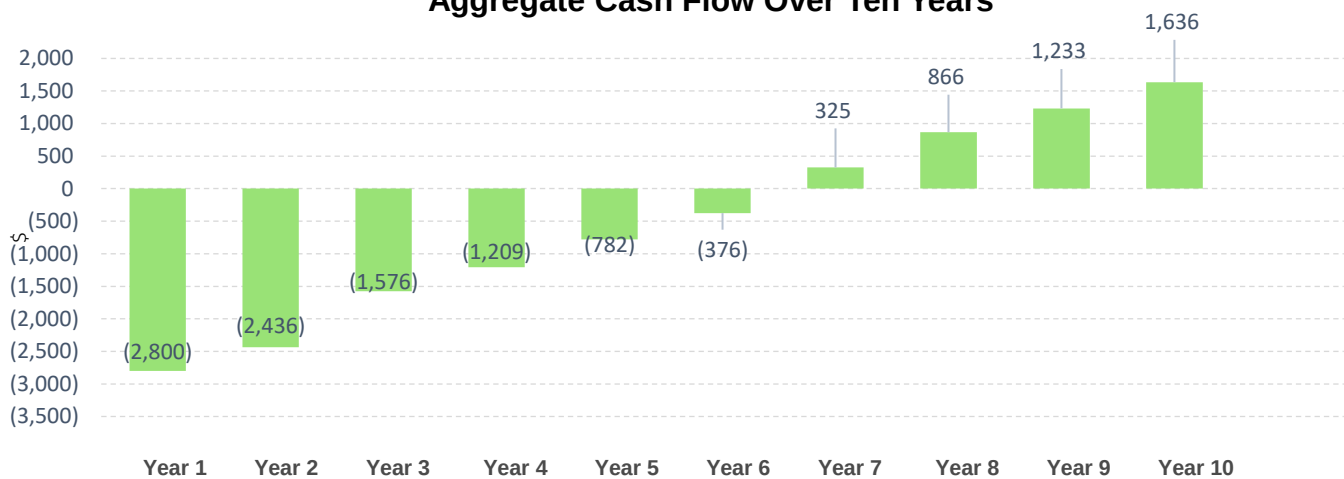
Impact of New Lighting

Energy Reduction	6%
Avg. Annual Maintenance Savings	27%
Avg. Annual Operating Savings	8%

Aggregate Operating Savings

Saving Area	Year 1	Year 5	Year 10
Energy	\$352	\$1,760	\$3,520
Maintenance	\$118	\$728	\$1,387
Total	\$470	\$2,488	\$4,907

Aggregate Cash Flow Over Ten Years



Itemized Cash Flow

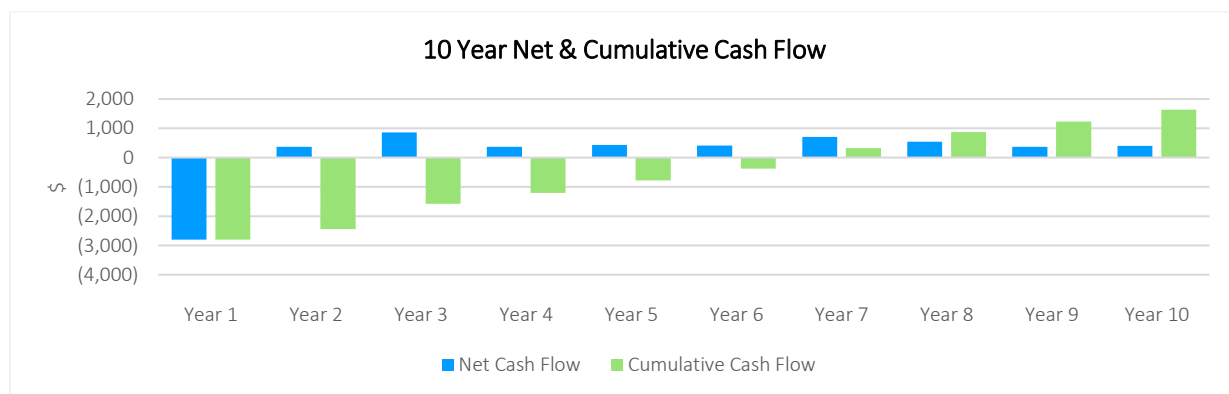
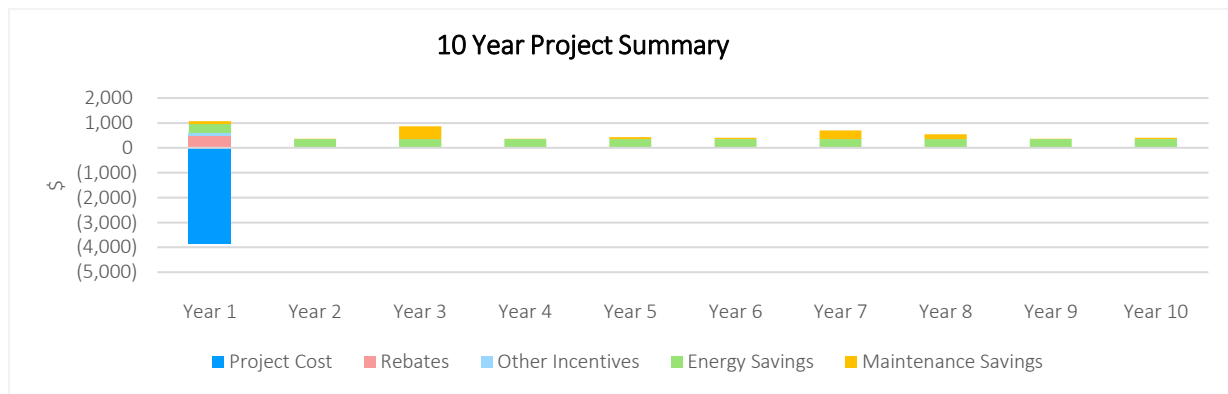
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Project Cost	\$(3,870)	-	-	-	-	-	-	-	-	-
Rebates	\$480	-	-	-	-	-	-	-	-	-
Other Incentives	\$120	-	-	-	-	-	-	-	-	-
Energy Savings	\$352	\$352	\$352	\$352	\$352	\$352	\$352	\$352	\$352	\$352
Maintenance Savings	\$118	\$12	\$508	\$15	\$75	\$54	\$349	\$189	\$15	\$51
Net Cash Flow	\$(2,800)	\$364	\$860	\$367	\$427	\$406	\$701	\$541	\$367	\$403

Cash Flow

We understand that finalizing a project like this often takes time. However, each day you delay your upgrade, you are missing out on the opportunity to reduce your operating expenses. As shown below, the lost opportunity continues to compound over time.

10 Year Cash Flow Analysis

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Total
Project Cost	\$(3,870)	-	-	-	-	-	-	-	-	-	\$(3,870)
Rebates	\$480	-	-	-	-	-	-	-	-	-	\$480
Other Incentives	\$120	-	-	-	-	-	-	-	-	-	\$120
Energy Savings	\$352	\$352	\$352	\$352	\$352	\$352	\$352	\$352	\$352	\$352	\$3,520
Maintenance Savings	\$118	\$12	\$508	\$15	\$75	\$54	\$349	\$189	\$15	\$51	\$1,387
Net Cash Flow	\$(2,800)	\$364	\$860	\$367	\$427	\$406	\$701	\$541	\$367	\$403	\$1,636
Cum Cash Flow	\$(2,800)	\$(2,436)	\$(1,576)	\$(1,209)	\$(782)	\$(376)	\$325	\$866	\$1,233	\$1,636	\$1,636

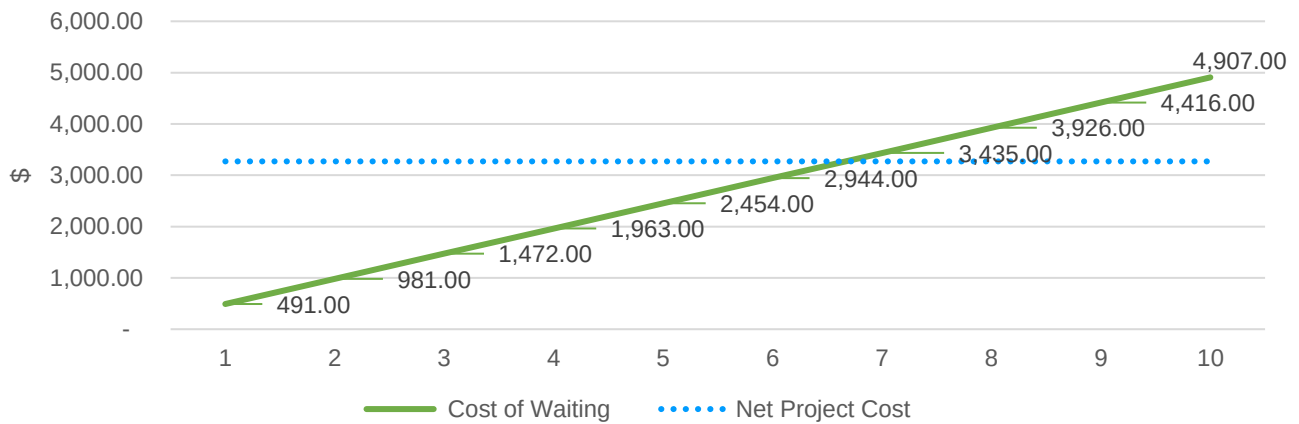




Cost Of Waiting

The cost of waiting shows the amount of cash your company will be losing if you delay the proposed lighting upgrade.

Monthly	Yearly	10 Years
\$41	\$491	\$4,907



Cost of waiting includes energy savings and maintenance savings applied as an average annual amount over a 10 year analysis period



Energy Usage

The following set of information evaluates your current energy usages and costs and compares that to the projected energy usage and costs your facility will see after the proposed lighting upgrade.

Annual Energy Usage

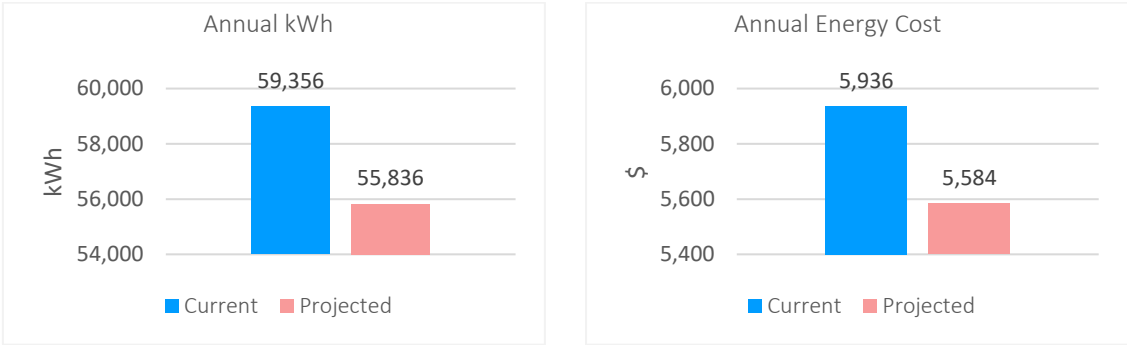
Current Usage (kWh)	Projected Usage (kWh)	Reduction	Current Cost	Projected Cost	Financial Savings	Percent Saved
59,356	55,836	6%	\$5,936	\$5,584	\$352	6%

1. Energy cost = \$0.1000/kWh; Annual energy cost escalation = 0.00%
2. Energy costs are averaged over 10 year analysis period
3. Projected Usage (kWh) includes savings from controls if applicable

Annual Energy Usage Reduction

Current Usage (kWh)	Projected Usage (kWh)	Reduction (kWh)	Reduction
59,356	55,836	3,520	6%

Energy Comparison



1. Energy Cost = \$0.1000/kWh; Annual energy cost escalation = 0.00%
2. Energy costs are averaged over 10 year analysis period



Watts Summary

Existing Watts	Proposed Watts	Reduced Watts	Reduction
25,676	24,136	1,540	6%

The calculations in this table take into account the existing fixtures that are being replaced, upgraded, and/or have new lighting controls being proposed for them



Upgrade Analysis

Fixture Replacement by Space

Sport Complex

Space	Existing Fixture	Qty	Proposed Solution	Qty
Concessions Stand	Downlight/CFL Pin Base/13.0W/2 Lamp	6	Part No: CAN TRIM 6 WIRED Downlight/Retrofit Kit	6
Concessions Stand	Wallpack/High Pressure Sodium/100.0W/1 Lamp	1	Part No: PT-WPF-LW-3CP Wall Mount	1
Concessions Stand	Wrap/T8 Fluorescent/4 ft/32.0W/2 Lamp	3	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	6
Concessions Stand	Wrap/T8 Fluorescent/4 ft/32.0W/3 Lamp	6	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	18
Exit Lights	Exit & Emergency/Halogen/20.0W/1 Lamp	1	Part No: PT-EXL-C-S-RC Exit & Emergency	1
Wallpacks	Wallpack/High Pressure Sodium/100.0W/1 Lamp	4	Part No: PT-WPF-LW-3CP Wall Mount	4
Warming House	Vapor Tight/T8 Fluorescent/4 ft/32.0W/2 Lamp	18	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	36
Warming House	Wrap/T8 Fluorescent/4 ft/32.0W/2 Lamp	9	Etherium Part No: 4ft CCT/Wattage T8 Tube/T8 Linear	18



Appendix

Financial Assumptions

Analysis Period (Years)	10
Payback Calculation Method	Cash Flow Payback
Cost of Capital	6.00%
Average Cost of Electricity	0.1000 \$/kWh
Annual Energy Inflation	0.00%
Annual Material Inflation	0.00%
Annual Service Inflation	0.00%
Product Tax Rate	0.00%
Service Tax Rate	0.00%

Schedules

Schedule Name	Hours/Week	Hours/Year
4 day	28	1,460
500	10	500
6 week	6	313
Continuous (24x7)	168	8,760
Dusk to Dawn	84	4,380
Weekdays (9-6)	45	2,346

NuGem Select

LED T8 4-FT Tube

5-Wattages + 6-CCT (27/35/40/50/57/65K), Damp Rated, 130 lm/W, G13, Type A+B, Single + Double Ended Power

FEATURES

Lumen Output	1300 to 2860 lumens
Efficacy	130 lm/W
Input Voltage	100-277V / 100-347V
Driver	Type A+B (Dual Mode Internal Driver)
Installation	Single or Double Ended Power
Dimmable	Type A (By Ballast), Type B (No)
Size	4-FT
CCT	Select (27000K, 3500K/4000K/5000K/5700K/6500K)
Rating	Damp Location
Warranty	5 Years

APPLICATIONS

Premium indoor replacement lamp intended to replace 4 foot T8 fluorescent lamps with G13 end caps for linear lamp fixtures. Suitable for use in linear troffers, wraparounds, and shop lights.

CONSTRUCTION

Manufactured for durability and heat dissipation using aluminum sheet backing. Damp Location rated.

ELECTRICAL

Input voltage 100-277V / 100-347V model. Type A+B, Hybrid plug and play to operate with or without a ballast. Single or Double Ended Power installations for G13 end caps. Dimmable with Type A by ballast. Non-dimmable with Type B internal driver. Tunable 6-CCT (27000K, 3500K, 4000K, 5000K, 5700K, 6500K) and Tunable 5-Wattages. Operating temperatures -4°F to 104°F (-20°C to 40°C).

MOUNTING

Replacement lamp twist-locks into existing linear T8 lamp fixture.

OPTICS

Shatter resistant anti-UV Clear/Frosted Polycarbonate Lens with 120° beam angle.

CONTROLS

Compatible with ON/OFF occupancy sensors.

LISTINGS

DLC listed. ETL certified to meet US and Canadian standards. FCC and RoHS compliant.

WARRANTY

5 year exclusive limited warranty.

Project:
Date:
Catalog No:
Prepared By:

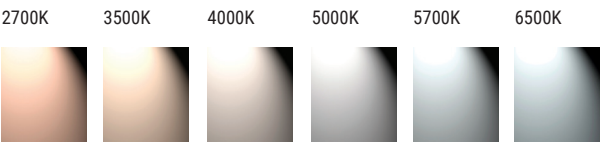
4-FT Model



5-Wattages and 6-CCT Tuning Switches



TUNABLE CORRELATED COLOR TEMPERATURES (CCT)



SPECIFICATIONS

ENERGY DATA

Input Voltage: 100-277V / 347V
Input Frequency: 50/60 Hz
Wattage: 5-Wattages (22W Max)
Power Factor: >0.9
Total Harmonic Distortion (THD): <20%
Operating Temperature: -4°F to 104°F (-20°C to 40°C)

LIGHTING DATA

Lumens: 1300 to 2860
Lumens Per Watt: 130 lm/W
Correlated Color Temperature (CCT): 6-CCT (27K, 35K, 40K, 50K, 57K, 65K)
Dimmable: Type A (By Ballast), Type B (No)
Color Rendering Index (CRI): 85
L70: 50000 hours

ORDERING INFORMATION

Model	Size	Type	Wattage	Voltage	Current	Lumens	Efficacy	CCT	Dimming	Color
EDI-T84F24-AB-XXK G1	4-FT	G13	(10W,	100-277V, 347V	0.11A@100V, 0.04A@277V, 0.03@347V	1300	130 lm/W	(2700K,	Type A (By Ballast) Type B (No)	White w/ Silver
			12W,		0.12A@100V, 0.05A@277V, 0.04@347V	1560		3500K,		
			15W,		0.17A@100V, 0.06A@277V, 0.05@347V	1950		4000K,		
			18W,		0.20A@100V, 0.07A@277V, 0.06@347V	2340		5000K,		
			22W)		0.24A@100V, 0.09A@277V, 0.07@347V	2860		5700K, 6500K)		

PHYSICAL DIMENSIONS

4-FT Models

48.6"L x 7.28"W x 7.15"H



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AGENDA ITEM NO. 7
**MATTERS TO BE PLACED ON A FUTURE
AGENDA OR REFERRED TO A COMMITTEE,
OFFICIAL OR EMPLOYEE**

AGENDA ITEM NO. 8

**NEXT MEETING:
REGULAR MONTHLY MEETING –
MARCH 3, 2025 AT 2:30 P.M.**

AGENDA ITEM NO. 9

ADJOURNMENT