



Northville DDA Design Committee Meeting

Monday, May 9, 2022 – 8:30 am

Via Zoom

Zoom Meeting: <https://us02web.zoom.us/j/83743762475>
Meeting ID: 837 4376 2475
Join by Mobile: 1-312-626-6799

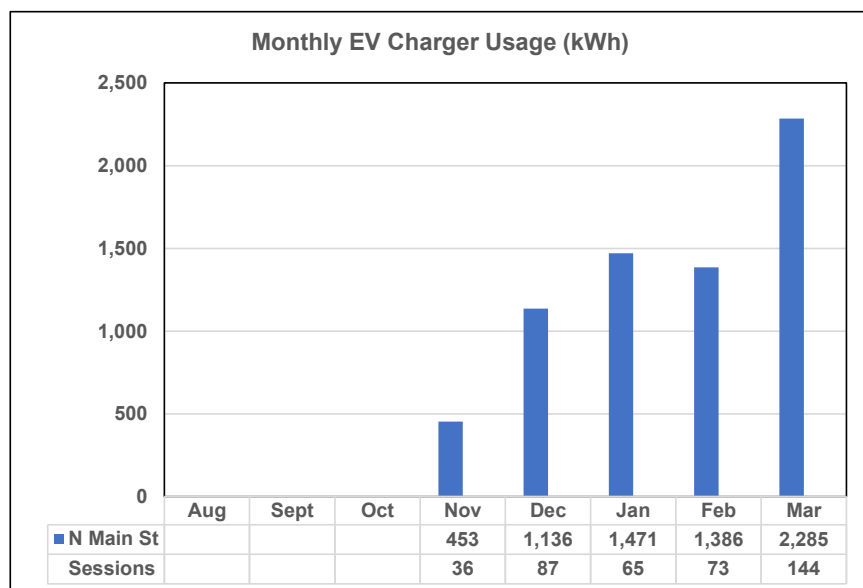
Meeting Agenda

1. EV Updates (Attachment 1)
2. Overhead Lighting (Attachment 2)
3. LED Lighting (Attachment 3)
4. Painting of the cast aluminum planters
5. Future Projects
 - A. Bike Racks (\$3,00)
 - B. New DDA building signage (\$500)
 - C. Fire Pit replacement (\$25,000)
6. Social District
 - A. Street Bollards (\$30,000 - \$120,000)
 - B. Repairs to Town Square Pavilion (\$30,000)
 - C. Repair of Road near clock (\$75,000)
 - D. Design Team to work out details
7. Next Meeting – TBD

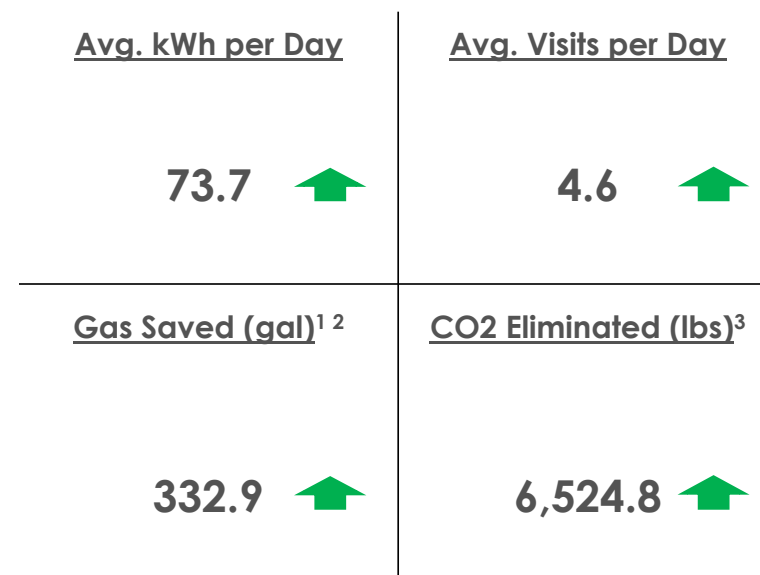
Northville, Michigan

114 W Main St., Northville, MI

SITE USAGE



TRAFFIC DATA



Assumptions:

1. 3.7 miles per kWh based on Tesla, BMW and Chevy driving data
2. 25.4 miles per gallon based on USDOT data
3. 19.6 pounds of CO2 per gallon of gas based on EPA estimates



April 28, 2022
Jessica Helen
Northville DDA
Northville, MI
248-207-9478

Zoro's Christmas Lights is pleased to submit the following proposal for Northville DDA

- (900) 48ft of Eddision lights to be used on back off fourth of main street.
- (900) Air craft cable from building to building to help hold the eddison lights.
- (40) Two Inch eye hooks to hold air craft cable.
- (40) Turnbuckle to help hold tension.
-
- Price for block 1 is \$,9500.00
- Price for block for 2nd Block \$9500.00
- 5% percent discount if we do both

- References

- Jamie Brook DDA of Birmingham 248-508-5518
-
- Jeff Suffolk Boyne Mountain Resorts 720-255-5475
-
- Coral Rott Trijicon 248-960-7700 Ext.1172

In reference to the above quotations, Zoro's Christmas Lights submits the following bid clarification items:

1. All lighting equipment will remain as property of Northville DDA
2. The above quoted price is intended for work to be performed by lighting technicians employed through Zoro's Christmas Lights during scheduled designated time frame.
3. There is a 30% deposit required to secure designated resources and personnel for lighting date, which is applied to the balance of the total price.
4. Any Credit Card to be used to pay bill is 5% fee.
5. Total payment due after completion of work.



April 28, 2022
 Jessica Helen
 Northville DDA
 Northville, MI
 249-207-9478

Zoro's Christmas Lights is pleased to submit the following proposal for Northville DDA

- Option 1
- (1000) G50 Bulbs to be used to light up one block.
- (1000) Special Clips to be used to help light up display.
- (1) Outdoor cord to help light up display.
- (1) Timer to help light up display.
- (6) Maintenance checks to make sure everything works right through out the year.
-
- Price per block or section is \$7900.00 x2 \$15,800.00 if both sides are done we will take 5% off the bill.
-
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From: [Ryan Walsh](#)
To: [Lori Ward](#)
Subject: RE: Northville
Date: Thursday, May 5, 2022 6:57:42 PM
Attachments: [image002.png](#)

I agree that what I am estimating is vastly different than what the City charges the DDA. I disagree that what DTE is charging is vastly different from what I am estimating.

To break things down a little further, the budget sheet that was shared in our meeting (attached) shows that the Street Lighting estimate for 2022-23 is about \$140,000 for the DTE electricity bills :

Address	2022-2023 Proposed Budget	
DTE - Street Lighting	\$	129,540.00
Subtotal	\$	129,540.00
126 N Wing	\$	200.00
127 N Hutton	\$	1,630.00
118 N Center	\$	2,980.00
21400 Taft	\$	530.00
200 Griswold	\$	1,840.00
112 N Wing	\$	2,040.00
127 Mary Alexander	\$	1,330.00
Subtotal	\$	10,550.00
Total	\$	140,090.00

The only decorative lights of the 226 total that could be in the DTE – Street Lighting section are the 71 fixtures we have been talking about on the non metered structure. The rest are all DTE utility owned street lights (cobra heads and non DDA decorative), the 11 400W fixtures, and an Automatic Traffic Signal of about \$5k a year that we know are NOT the DDA decorative lights. In our proposal we estimated the cost of electricity of those 71 fixtures at about \$5,500.

So, if you add the \$5,500 from the DTE – Street Lighting line and if you add the rest of the power bills (assuming all charges on all other bills are the remaining DDA decorative fixtures) of \$10,550 you get a total of \$16,050. This is right in line with the estimate of \$14k - \$16k.

I'd be happy to discuss further but what DTE is billing makes sense to me. Please let me know what you think or if you would like to discuss further.

Thanks,

Ryan

From: Lori Ward <lward@ci.northville.mi.us>
Sent: Thursday, May 5, 2022 5:13 PM
To: Ryan Walsh <Ryan.Walsh@erc-led.org>
Subject: RE: Northville

I am not sure how we move forward. The amount that you are estimating that we pay for the lighting in the downtown area and the amount we are getting charged by the City and DTE is so vastly different. I think we need to have DTE confirm that we are paying the correct amount city wide and then within the dda. LW

From: Ryan Walsh <Ryan.Walsh@erc-led.org>
Sent: Thursday, May 5, 2022 4:51 PM
To: Lori Ward <lward@ci.northville.mi.us>
Subject: RE: Northville

Lori,

According to Mike (which makes sense with our counts) those are on a metered service and not included in the 71 lights. We would be happy to add those 18 or so fixtures in the Water Wheel/Planet Fitness parking lot on Griswold which would adjust our Plan proportionally. I don't think it would be beneficial for DTE to come out or go through the billing because we have a better idea of fixture locations than DTE and have confirmation from them that once we do the conversion the non metered lights will be adjusted to the LED rate. And for the metered fixtures, those bills would adjust upon conversion.

Please let me know if you would like to discuss further. Do you think we are on track to get approval at the next council meeting?

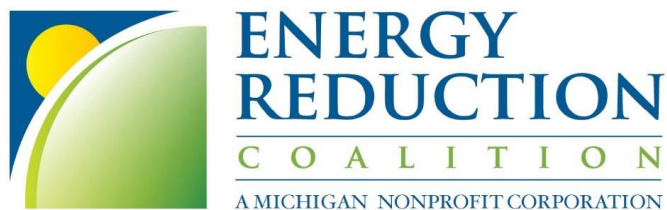
Thanks,

Ryan

From: Lori Ward <lward@ci.northville.mi.us>
Sent: Thursday, May 5, 2022 11:03 AM
To: Ryan Walsh <Ryan.Walsh@erc-led.org>
Subject: Northville

Does the 71 lights include the lights on Griswold and in the parking lot of the Water Wheel building. We are trying to move forward. Do you think we need an audit and for someone from DTE to walk us through billing? I want to keep making forward progress on this project. Thanks Ryan. LW

Lori M. Ward



LED Conversion Executive Summary for Northville DDA

Lighting Costs Before and After Conversion

Annualized Current Cost of All Lighting \$7,802¹

Annualized Cost of Lighting Year 1 After Conversion \$6,029²

Annualized Cost of Lighting Peak Year After Conversion \$5,462³

ERC pays for maintenance and renewal of the lighting. After conversion, **ERC provides replacement product at no cost to Northville DDA and ERC pays Northville DDA a maintenance stipend whenever Northville DDA replaces a light.** Replacement inventory is provided even if the light fails outside of warranty.

Net Benefit Created by Conversion for Northville DDA

Annualized Benefit Retained by DDA for 1st Full Yr **\$1,773 = 22.72% Cost Reduction**

Annualized Benefit Retained by DDA for Peak Year **\$2,341 = 30.00% Cost Reduction**

Total 30 Year Projected Benefit Retained by DDA **\$62,354**

¹ Electricity \$5,453 + Maintenance \$2,350

² Electricity \$1,010 + Excess Benefit Payment \$5,020

³ Electricity \$1,010 + Excess Benefit Payment \$4,452

Investment by ERC in Northville DDA

Northville DDA has no financial obligation for design, product, or installation. Northville DDA has no out-of-pocket expense whatsoever.

Initial Investment by ERC **\$50,197.36** (Initial Optional Buyout Cost – “OBC”)

ERC continually invests in the maintenance and renewal of the lighting.

Program Duration

Northville DDA may leave the program without penalty after two years by returning the ERC lighting.

Northville DDA may leave the program any time without penalty by purchasing the lighting.

Lighting may be taken out of the program at any time by non-use. No benefit sharing is due while a facility is closed.

Benefits are re-calculated if hours of use or electricity rates change.

Benefit Sharing with ERC

Payment to ERC Stub Year and 1st Full Year \$418.31/month

Payment to ERC Peak Year \$370.98/month

Benefit sharing with ERC is adjustable if hours of use or electricity rates change, including complete non-use of lighting, in which case no benefit sharing is required.