

**Rock County, Wisconsin**

51 South Main Street  
Janesville, WI 53545  
(608)757-5518



**General Services**

-Facilities Management  
-Maintenance

**GENERAL SERVICES COMMITTEE  
TUESDAY, DECEMBER 19, 2017 – 8:00 A.M.  
CONFERENCE ROOM N-1 – FIFTH FLOOR  
ROCK COUNTY COURTHOUSE-EAST**

**Agenda**

1. Call to Order and Approve Agenda
2. Citizen Participation
3. Election of Vice Chair
4. Approval of Minutes – December 5, 2017
5. Transfers
6. Updates
  - A. Efficiencies Being Implemented Within Facilities Management
  - B. Vacant Facilities Management Positions
  - C. Lighting Efficiencies in Parking Garage
  - D. Alliant Energy Solar Power Project
7. Communications, Announcements and Information
8. Adjournment

Please contact Marilyn at (608)757-5510 if you are going to be late or if you will not be able to attend the meeting.

## MARILYN BONDEHAGEN

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**From:** Brent Sutherland  
**Sent:** Wednesday, February 08, 2017 5:40 PM  
**To:** MAINTENANCE\_JCH  
**Subject:** FW: Cost savings to convert 37 Metal Halide lights to LED lights

Hi Guys,

I just wanted to show you the energy savings for converting the front parking garage. This payback of 2.3 years does not include the Focus on energy incentive.

The annual energy cost savings to convert 37 Metal Halide lights to LED lights is \$1,913 I used the average cost per kwh of 9.37 cents for the Court House since the lights are on 24/7.

Savings =  $((100 \text{ watts} + 15\% \text{ ballast factor}) - 52 \text{ watts}) / 1000 \times 37 \text{ lights} \times 8760 \text{ hours} \times \$9.37 \text{ cents per kwh} = \$1,913$

The total cost of 37 new LED lights at \$120 each is \$4,440.

Your simple payback is  $\$4,440 / \$1,913 = 2.3 \text{ years}$ . Not bad!

Bill Alt | Key Account Manager- Alliant Energy

Focus on Energy- So if you are replacing **37** of them, it would be an incentive of **\$911.976** and if you are replacing **74** of them, the incentive would be **\$1823.36**.

So if you take into account the incentive the payback is 1.8 years and the investment is paid off and you would then be saving \$1,913 a year in electric cost.

Thank you,

**Brent Sutherland**  
**Director -Facilities Management**  
**Rock County**  
**51 S. Main Street**  
**Janesville WI, 53545**  
**Office (608)757-5527**  
**Fax (608)757-5516**  
**Cell (608)931-1823**  
**brent.sutherland@co.rock.wi.us**  
*Glad to be Here!*

**From:** Alt, Bill [mailto:WilliamAlt@alliantenergy.com]  
**Sent:** Wednesday, February 08, 2017 3:18 PM  
**To:** Brent Sutherland  
**Subject:** Cost savings to convert 37 Metal Halide lights to LED lights

Brent:

The annual energy cost savings to convert 37 Metal Halide lights to LED lights is \$1,913 I used the average cost per kwh of 9.37 cents for the Court House since the lights are on 24/7.

Savings = ((100 watts +15% ballast factor) – 52 watts)/ 1000 x 37 lights x 8760 hours x \$9.37 cents per kwh = \$1,913

The total cost of 37 new LED lights at \$120 each is \$4,440.

Your simple payback is \$4,440 / \$1,913 = 2.3 years. Not bad!

Bill Alt | Key Account Manager

Alliant Energy  
3730 Kennedy Rd | Janesville, WI 53545-8812  
Office: (608) 757-7565 | Cell: (608) 490-1757  
alliantenergy.com | [williamalt@alliantenergy.com](mailto:williamalt@alliantenergy.com)

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**From:** Brent Sutherland [<mailto:Brent.Sutherland@co.rock.wi.us>]

**Sent:** Monday, February 06, 2017 8:57 AM

**To:** Alt, Bill

**Subject:** RE: questions

[This is an external email. Be cautious with links, attachments and responses.]

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Bill,

Thank you for the Job center update. I am considering it. We put one in and it is better. Staff have been asking for more lights ,however we are looking at making some changes to the parking with our Security Phase 2. So I do not want to make a high dollar investment if one of the option is to tear down the parking garage. The front one I do not believe it will happen the back( east ) one may come down. There is 37 in the front and 37 in the rear. I thought if I did the front it will improve security and reduce energy I would move forward. That is why I am only doing a retrofit with an LED bulb. 52 watts LED replacing a 100 watt metal halide and they burn 24/7. The bulbs are \$120 each. I reached out to focus on energy as well.

Thank you,

**Brent Sutherland**  
**Director -Facilities Management**  
**Rock County**  
**51 S. Main Street**  
**Janesville WI, 53545**  
**Office (608)757-5527**  
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**Cell (608)931-1823**  
[brent.sutherland@co.rock.wi.us](mailto:brent.sutherland@co.rock.wi.us)

*Glad to be Here!*

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**From:** Alt, Bill [<mailto:WilliamAlt@alliantenergy.com>]

**Sent:** Monday, February 06, 2017 8:26 AM

**To:** Brent Sutherland <[Brent.Sutherland@co.rock.wi.us](mailto:Brent.Sutherland@co.rock.wi.us)>

**Subject:** RE: questions

Brent:

We hung a new transformer bank for the parking lot lights so that service will not be effected by the upgrade at the building.

Are the proposed new LED lights going in at the Court House?

Bill Alt | Key Account Manager

Alliant Energy  
3730 Kennedy Rd | Janesville, WI 53545-8812  
Office: (608) 757-7565 | Cell: (608) 490-1757  
alliantenergy.com | [williamalt@alliantenergy.com](mailto:williamalt@alliantenergy.com)

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**From:** Brent Sutherland [<mailto:Brent.Sutherland@co.rock.wi.us>]  
**Sent:** Friday, February 03, 2017 3:52 PM  
**To:** Alt, Bill  
**Subject:** questions

[This is an external email. Be cautious with links, attachments and responses.]

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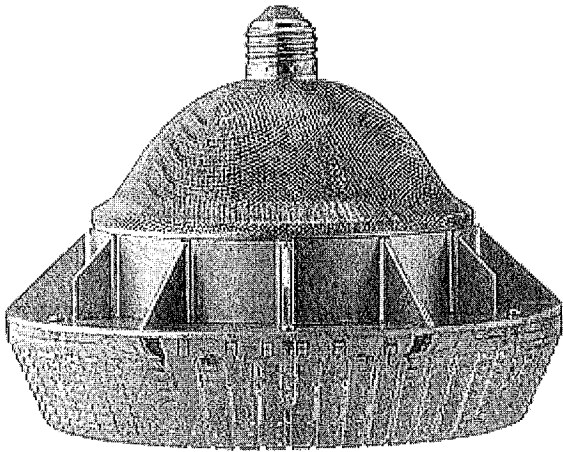
Hi Bill,

I have two questions.

1. I am wanting to replace (37) 100 watt Metal Halide bulbs with (37) 52 watt LED retrofit bulbs. The LED will not use a starter or ballast. If the savings is enough I may do both Parking Structures for a total of (74). These lights run 24/7 see bulb below.
2. The Job Center building is having new underground service installed at 1900 Center Ave. We have not separated the parking lot lighting until we get this service installed and the parking lot lighting separated from the parking lot north of the job center. It is all currently being paid and feed from the job center. I want to make sure we do not shut the parking lot lights down for our neighbors when the new service is switched over. Nobody has been able to answer my concern.

## 52 Watts LED Lamp, High/Low Bay, Medium Screw (E26), 5773 Lumens, 5700K Bulb Color Temp.

- Item# 45PC08
- Mfr. Model# LED-8025E57
- Catalog Page# 508
- UNSPSC# 39112102



close

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Thank you,

**Brent Sutherland**  
**Director -Facilities Management**  
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