

A REGULAR MEETING

Of The

TRAVERSE CITY LIGHT AND POWER BOARD

Will Be Held On

TUESDAY, November 9, 2010

At

5:15 p.m.

In The

COMMISSION CHAMBERS
(2nd floor, Governmental Center)
400 Boardman Avenue

Traverse City Light and Power will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting/hearing upon notice to Traverse City Light and Power. Individuals with disabilities requiring auxiliary aids or services should contact the Light and Power Department by writing or calling the following.

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Traverse City Light and Power
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Traverse City, MI 49686
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Posting Date: 11-5-10
4:00 p.m.

AGENDA

PLEDGE OF ALLEGIANCE

1. ROLL CALL

Recognition from TCAPS for Light and Power's Energy Optimization Incentive Program. (Cooper)

2. CONSENT CALENDAR

The purpose of the consent calendar is to expedite business by grouping non-controversial items together to be dealt with by one Board motion without discussion. Any member of the Board, staff or the public may ask that any item on the consent calendar be removed therefrom and placed elsewhere on the agenda for full discussion. Such requests will be automatically respected. If an item is not removed from the consent calendar, the action noted in parentheses on the agenda is approved by a single Board action adopting the consent calendar.

A. Consideration of approving minutes of the Regular Meeting of October 26, 2010.

3. OLD BUSINESS

None as of November 5, 2010

4. NEW BUSINESS

A. Consideration of authorizing a Purchase Order for the LED Decorative and Area Lighting Project. (Rollenhagen)

B. Consideration of authorizing the purchase of additional LED Overhead Cobra Head Style Lights. (Rollenhagen)

5. REPORTS AND COMMUNICATIONS

A. From Legal Counsel:

None as of November 5, 2010

B. From Staff:

(1) Verbal update re: the Kalkaska CT. (Rollenhagen)

(2) Community Investment Fund Application Review. (Wheaton)

(2) Update re: the recent wind storm results and the Gray Road Substation. (Rice)

C. From Board:

None as of November 5, 2010

6. PUBLIC COMMENT



TRAVERSE CITY
LIGHT & POWER

To: Light & Power Board

From: Jim Cooper, Manager of Communications and Energy Services *JC*

Date: November 4, 2010

Subject: Energy Optimization for TCAPS

Stephen Cousins, Superintendent of Traverse City Area Public Schools (TCAPS), Majorie Rich, President of the Board of Education, Paul Soma, Chief Financial Officer and Director of Operations, and Rod Lowes, the Director of Energy, Environment, and Safety, will be attending this Board meeting to express their appreciation for the Energy Optimization funding for TCAPS energy efficiency projects.

The Light and Power incentive payment to the schools was \$8910. This was for the installation of 14 variable frequency drives (VFDs) which will result in a yearly savings of over 160,677 kilowatt hours of electricity. The VFDs allow a more energy efficient use of motors when coupled with heating, ventilating, and cooling units (HVACs).

**TRAVERSE CITY
LIGHT AND POWER BOARD**

Minutes of Regular Meeting
Held at 5:15 p.m., Commission Chambers, Governmental Center
Tuesday, October 26, 2010

BOARD MEMBERS -

Present: Mike Coco, Linda Johnson, John Welch, John Snodgrass, John Taylor,
Ralph Soffredine, Jim Carruthers

EX OFFICIO MEMBER -

Present: R. Ben Bifoss

OTHERS: Ed Rice, Tim Arends, Stephanie Tvardek, Jim Cooper

The meeting was called to order at 5:15 p.m. by Chairman Coco.

Chairman Coco amended the agenda to add a short presentation from Kim Biocchi from the Inland Seas Education Association as agenda item 5(a).

CONSENT CALENDAR

Moved by Soffredine, seconded by Welch, that the following items, as recommended on the Consent Calendar portion of the agenda, be approved:

A. Consideration of approving minutes of the Regular Meeting of September 28, 2010.

CARRIED unanimously.

3. OLD BUSINESS

None

4. NEW BUSINESS

None

5. REPORTS AND COMMUNICATIONS

A. Presentation from Kim Biocchi from the Inland Seas Education Association re: 2010 Project Summary.

B. From Staff:

- (1) Ed Rice spoke re: MISO.
- (2) Ed Rice spoke re: MPPA meeting.
- (3) Ed Rice spoke re: possible discussions with Steve Smiley concerning a small wind project. It was the general consensus of the Board that Light and Power should enter into discussions with Steve Smiley and further investigate possible wind projects.

C. From Board:

None

6. PUBLIC COMMENT

- Tom Karas, 8801 Section Line Road, Michigan Energy Alternatives Project, Non-Ratepayer

The meeting adjourned at 6:39 p.m.

/st

Edward E. Rice, Secretary
LIGHT AND POWER BOARD



**TRAVERSE CITY
LIGHT & POWER**

To: Light & Power Board
From: Mark Rollenhagen, Operations Manager
Date: November 4, 2010
Subject: LED Decorative and Area Lighting Project

Traverse City Light and Power received a grant for the purchase and installation of Light Emitting Diode (LED) high efficiency lighting. Roughly \$100,000 of the grant is allocated for decorative and area lighting fixtures to replace High Pressure Sodium (HPS) lights currently in use. A detailed specification was prepared covering among other things light output equal to or greater than the existing HPS fixtures, passive cooling, light color temperature, warrantee and compliance with the American Recovery and Reinvestment Act (ARRA). Five respondents submitted proposals. Below is a summary of the acceptable respondents.

Respondent	Fixture	Price @
RESCO Sales	Evluma Beacon	\$230.75
All Phase	Global Tech	\$355.35
Robert C. Shaver Co., Inc.	Beacon Products LRK-2P	\$410.00
Standard Electric	Wild Ideas Lighting Co.	\$435.00
Kendall Electric	Sylvania LED55 Retrofit	\$447.00

Staff recommends awarding the purchase of 326 LED retrofit kits to RESCO Sales for the total price of \$72,224.50.

If the Board is in agreement, the following motion is recommended:

**MOVED BY _____, SECONDED BY _____,
 THAT IN THE BEST INTEREST OF LIGHT AND POWER, THE BOARD AUTHORIZE
 THE ISSUANCE OF A PURCHASE ORDER TO RESCO SALES FOR THE
 PURCHASE OF 326 LED RETROFIT KITS, IN THE AMOUNT OF \$72,224.50; AND
 TO AUTHORIZE THE EXECUTIVE DIRECTOR TO ADMINISTER AMENDMENTS
 AND CHANGE ORDERS THAT ARE IN THE BEST INTERESTS OF THE LIGHT AND
 POWER DEPARTMENT.**



TRAVERSE CITY
LIGHT & POWER

To: Light & Power Board
From: Mark Rollenhagen, Operations Manager
Date: November 4, 2010
Subject: Purchase of Additional Overhead Cobra Head Lights

At the Regular Board Meeting on July 27, 2010 the Board authorized the purchase of 200 LED overhead cobra head lighting fixtures. The total cost was \$126,400. The grant amount was for \$205,000. Staff recommends the purchase of another 125 fixtures at \$632.00 each for a total of \$78,600 to totally exercise the grant. This is the same price for the same fixture as previously approved. (See Attached).

If the Board is in agreement, the following motion is recommended:

MOVED BY _____, SECONDED BY _____,
THAT IN THE BEST INTEREST OF LIGHT AND POWER, THE BOARD AUTHORIZE
THE ISSUANCE OF A PURCHASE ORDER TO CHAMPION CHARTER SALES FOR
THE PURCHASE OF 125 ADDITIONAL LED OVERHEAD COBRA HEAD STYLE
FIXTURES, IN THE AMOUNT OF \$78,600; AND TO AUTHORIZE THE EXECUTIVE
DIRECTOR TO ADMINISTER AMENDMENTS AND CHANGE ORDERS THAT ARE IN
THE BEST INTERESTS OF THE LIGHT AND POWER DEPARTMENT.



**TRAVERSE CITY
LIGHT & POWER**

To: Light & Power Board
From: Mark Rollenhagen
Date: July 19, 2010
Subject: LED Overhead Roadway Lighting Project

Traverse City Light and Power received a grant for the purchase and installation of Light Emitting Diode (LED) high efficiency lighting. Roughly \$200,000 of the grant is allocated for overhead cobra head style lighting fixtures to replace High Pressure Sodium (HPS) lights currently in use. A detailed specification was prepared covering among other things light output equal to or greater than the existing HPS fixtures, passive cooling, light color temperature, warrantee and compliance with the American Recovery and Reinvestment Act (ARRA). Ten respondents submitted proposals. Of the ten respondents three were acceptable in meeting the specifications. Below is a summary of the acceptable respondents.

Respondent	Fixture	Price @
Champion Charter Sales	GE Evolve LED	\$632.00
Haverstock Koenig & Associates	LED Roadway Lighting SAT-72M	\$743.00
Robert C. Shaver Co., Inc.	Sunovia Evolucia	\$701.00*

Staff recommends awarding the purchase of 200 LED overhead cobra head style fixtures to Champion Charter Sales for the total price of \$126,400.

*Blended price of \$751.00 each for the first 100, \$650.00 each for the second 100.

If the Board is in agreement, the following motion is recommended:

**MOVED BY _____, SECONDED BY _____,
THAT IN THE BEST INTEREST OF LIGHT AND POWER, THE BOARD AUTHORIZE
THE ISSUANCE OF A PURCHASE ORDER TO CHAMPION CHARTER SALES FOR
THE PURHCASE OF 200 LED OVERHEAD COBRA HEAD STYLE FIXTURES, IN
THE AMOUNT OF \$126,400.00; AND TO AUTHORIZE THE EXECUTIVE DIRECTOR
TO ADMINISTER AMENDMENTS AND CHANGE ORDERS THAT ARE IN THE BEST
INTERESTS OF THE LIGHT AND POWER DEPARTMENT.**



TRAVERSE CITY
LIGHT & POWER

To: Light and Power Board
From: Ed Rice, Executive Director
Date: November 5, 2010
Subject: Wind Storm Report

This report addresses activities and events regarding the late October wind storm and how it affected Light & Power.

Light & Power sent a line crew to assist Cherryland Electric Cooperative in an effort to restore electric service to Cherryland's customers. Linemen Corey Schichtel and Kyle Mason reported early Friday morning (10/29/10) with a L&P bucket truck and worked late into the night and all day and night on Saturday.

It is common practice for utilities to send crews to areas of distress to assist in restoration efforts. In September 2005, a L&P crew was sent to Lafayette, Louisiana as part of a volunteer effort to restore electric service to southwest Louisiana communities hit by Hurricane Rita. In March 2007, a L&P crew was sent to assist Thumb Electric Cooperative to restore power to the residents of Ubly, MI and surrounding areas after a winter storm, and in February 2009 L&P sent two crews to Salem, Arkansas after an ice-storm devastated the area.

The L&P electric system was fully restored by 5:30 AM Thursday morning (10/28/10). Some intermittent outages occurred after that but power was readily restored.

Attached are pictures of downed wires and poles on the 138 kV International Transmission Company (ITC) transmission system near West Senior High School. The 138 kV transmission line links the Keystone Substation to the new Gray Road Substation. The pictures prove a point that we have been trying to make for some time now; the necessity and importance for a second main transmission line to support the Traverse City Light & Power electric system. The recent high winds knocked down at least 6 poles which were double circuited for service to the Gray Road Substation and Leelanau County. Normally power travels from Gray Road Substation to L&P's electric system but because these lines are down, power is traveling through L&P's Hall Street Substation to Gray Road and is helping to provide support to Leelanau County. If the Gray Road Substation had not been constructed, many more customers in Leelanau County would have been without power for a longer period of time.

