

**A REGULAR MEETING**

Of The

**TRAVERSE CITY LIGHT AND POWER BOARD**

Will Be Held On

**TUESDAY, February 11, 2014**

At

**5:15 p.m.**

In The

**COMMISSION CHAMBERS**  
(2<sup>nd</sup> 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.

Stephanie Tvardek  
Administrative Assistant  
1131 Hastings Street  
Traverse City, MI 49686  
(231) 932-4543

Traverse City Light and Power  
1131 Hastings Street  
Traverse City, MI 49686  
(231) 922-4940

Posting Date: 2-6-14  
4:00 p.m.

## AGENDA

### Pledge of Allegiance

#### 1. Roll Call

#### 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 January 28, 2014. (Approval recommended) (p. 4)
- b. Consideration of MECA Safety Training Contract renewal. (Approval recommended) (Solak) (p. 7)
- c. Consideration of authorizing a purchase order in the amount of \$70,962 for three 15 kV motor-operated interrupting switches for South Substation. (Approval recommended) (Olney) (p. 14)
- d. Consideration of authorizing a purchase order in the amount of \$78,316 for four 15 kV reclosers for South Substation. (Approval recommended) (Olney) (p. 15)
- e. Consideration of authorizing a purchase order in the amount of \$24,805 for five 69 kV potential transformers for South Substation. (Approval recommended) (Olney) (p. 16)
- f. Consideration of authorizing a purchase order in the amount of \$69,570 for two 69 kV circuit switchers for South Substation. (Approval recommended) (Olney) (p. 17)
- g. Consideration of authorizing a purchase order in the amount of \$69,700 for two 69 kV breakers for South Substation. (Approval recommended) (Olney) (p. 18)

#### Items Removed from the Consent Calendar

- a.

#### 3. Unfinished Business

None.

#### 4. New Business

- a. Consideration of Strategic Plan Policy. (Arends/Myers-Beman) (p. 19)

**5. Appointments**

None.

**6. Reports and Communications**

a. From Legal Counsel.

b. From Staff.

1. 2014 Six Year Capital Plan review. (Arends/all staff) (p. 21)

c. From Board.

**7. Public Comment**

/st

**TRAVERSE CITY  
LIGHT AND POWER BOARD**

Minutes of Regular Meeting  
Held at 5:15 p.m., Commission Chambers, Governmental Center  
Tuesday, January 28, 2014

**Board Members -**

Present: Barbara Budros, Jim Carruthers, Jan Geht, Jeff Palisin, Bob Spence, John Taylor, Patrick McGuire

**Ex Officio Member -**

Absent: Jered Ottenwess, City Manager

**Others:** Tim Arends, W. Peter Doren, Scott Menhart, Karla Myers-Beman, Tom Olney, Stephanie Tvardek, Jessica Wheaton

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

As requested by Spence, Agenda Item 2(b) was removed from the Consent Calendar for full discussion.

**Item 2 on the Agenda being Consent Calendar**

Moved by Carruthers, seconded by Budros, that the following actions, as recommended on the Consent Calendar portion of the Agenda as amended, be approved:

- a. Minutes of the Regular Meeting of January 14, 2014.
- b. *Removed from the Consent Calendar.*

CARRIED unanimously.

**Items removed from the Consent Calendar**

- b. Consideration of a Resolution in Support of Closing the Self Insurance Fund.

The following individuals addressed the Board:

Karla Myers-Beman, Controller  
Tim Arends, Executive Director  
W. Peter Doren, General Counsel

Moved by Palisin, seconded by Taylor, that the Board adopts the Resolution requesting removal of restrictions on Traverse City Light & Power's self insurance bank account; and further requests of the Executive Director to forward the Resolution to the City Commission for its consideration of concurrence.

CARRIED unanimously.

**Item 3 on the Agenda being Unfinished Business**

None.

**Item 4 on the Agenda being New Business****4(a).** Consideration of Strategic Plan adoption.

The following individuals addressed the Board:

Tim Arends, Executive Director  
Tim Blodgett, Hometown Connections

Budros requested the word “purchased” be removed from the following sentence “...therefore reducing the amount of purchased capacity...” on page 18 of the Strategic Plan.

Moved by Budros, seconded by Taylor, that the Traverse City Light & Power Strategic Plan be adopted as amended.

The following individuals from the public addressed the Board:

Michael Estes, Ratepayer

CARRIED unanimously.

**4(b).** Consideration of Key Accounts proposal from the Chamber of Commerce.

The following individuals addressed the Board:

Tim Arends, Executive Director  
Doug Luciani, President & CEO, Chamber of Commerce  
W. Peter Doren, General Counsel

Moved by Taylor, seconded by Budros, that the Board authorizes the Executive Director to enter into an Agreement through December 31, 2014 with the Chamber of Commerce for key accounts relationship services as outlined in its proposal.

The following individuals from the public addressed the Board:

Michael Estes, Ratepayer

Moved by Budros, seconded by Geht, the motion be deferred until Tim Arends and Doug Luciani can revise the proposal to include more detail regarding the benefits to TCL&P and metrics to be used in measuring the success of the program.

CARRIED unanimously.

**Item 5 on the Agenda being Appointments**

None.

**Item 6 on the Agenda being Reports and Communications**

A. From Legal Counsel.

1. W. Peter Doren provided an overview of the Open Meetings Act, Freedom of Information Act and Conflicts of Interest.

The following individuals addressed the Board:

Tim Arends, Executive Director

B. From Staff.

1. Staff distributed the 2014 Six Year Capital Plan to the Board.
2. Jessica Wheaton spoke regarding upcoming Public Service Announcements that will be aired.

C. From Board.

1. Jim Carruthers asked W. Peter Doren about property owner's liability for injuries sustained by meter reading employees due to snow and ice build up on and around the house.
2. Pat McGuire reminded the Board of the upcoming joint study session with the City Commission scheduled for February 10, 2014.
3. Bob Spence asked about the status of the undergrounding project near the Uptown Development.

**Item 7 on the Agenda being Public Comment**

No one from the public commented.

There being no objection, Chairman McGuire declared the meeting adjourned at 7:24 p.m.

/st


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Tim Arends, Secretary  
LIGHT AND POWER BOARD



**TRAVERSE CITY  
LIGHT & POWER**

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**To:** Light & Power Board  
**From:** Tim Arends, Executive Director   
**Date:** February 4, 2014  
**Subject:** Renewal MECA Safety Training Program

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Attached is a memo from the Operations Supervisor that explains his request that the Board approve the renewal of MECA safety training for TCL&P employees. Also attached is a copy of the current program and contract. The only change will be in the pricing that is currently \$20,000/year and will increase to \$24,900/year in 2015. MECA is asking early regarding future participation from various utilities so that it may plan for the future.

This training is of high importance to the utility and enables management to keep safety in the forefront of employee's daily activities. Taking into consideration the annual increase in program costs, I recommend continuing the MECA Safety Training Program.

This item is appearing on the Consent Calendar as it is deemed by staff to be a non-controversial item. Approval of this item on the Consent Calendar means you agree with staff's recommendation.

If any member of the Board or the public wishes to discuss this matter, other than clarifying questions, it should be placed on the "items removed from the consent calendar" portion of the agenda for full discussion.

If after Board discussion you agree with staff's recommendation the following motion would be appropriate:

**MOVED BY** \_\_\_\_\_ **SECONDED BY** \_\_\_\_\_

**THAT THE BOARD AUTHORIZES THE EXECUTIVE DIRECTOR TO ENTER INTO A THREE YEAR AGREEMENT WITH MECA FOR ITS SAFETY TRAINING PROGRAM FROM 2015 THROUGH 2017.**



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**TRAVERSE CITY  
LIGHT & POWER**

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**To:** Tim Arends, Executive Director  
**From:** Rodney Solak, Operations Supervisor  
**Date:** February 3, 2014  
**Subject:** MECA Safety Training

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TCL&P's three year contract with MECA will be ending December 2014 and they have proposed for each of the following three years a rate increase of \$4,900. Even though it is a significant increase, I believe it is a worthwhile investment to TCL&P, because of the true partnership the utility has with MECA and the ability to use any of the resources they have available to meet our needs. Below I will briefly try to provide some history and outline some of the benefits of the MECA Safety Partnership.

### **History**

In 2011, MECA announced changes in the Safety Program as new leadership reviewed practices and concluded the program structure and financial changes needed to be made. During this time, MECA suspended safety services to Municipals until they had a business plan to offer and TCL&P contracted with Consumers Power Company to provide the required training. At that time, their rates were \$750 for a half day and \$1500 for a full day.

By mid-summer of 2011, MECA came out with a plan for a true partnership in the safety program. MECA asked for a 3 year contract so they could have commitments from partners for their investments made into the new program. In October 2011, they added a safety instructor and formed a Steering Committee, which I am a member of, and allows TCL&P to provide input on the safety program.

### **Benefits**

The increase is significant, but I feel we are receiving both non quantifiable and quantifiable benefits which are described below that substantiate the increase in rates.

The non-quantifiable benefits are:

1. They serve many municipalities/cooperatives, which allow them to provide solutions on different issues based on how other like entities has resolved the problem. (They are on-call for questions at any time and are utilized on at a minimum twice a month.)



2. They are a committed organization as demonstrated when they worked with us during the Trees Inc. tree trimming accident in regards to accident investigation assistance.
3. Provide access to their resource library and professional staff for internal safety training on a specific issue when it arises.
4. Organizes mutual aid efforts for when storm outages occurs allowing management to focus on other efforts.
5. They keep abreast of new and current safety regulations and topics and are experts in the “safety” field, which allows TCL&P management to focus on operations and rely on them to be the experts.
6. They plan and provide a curriculum preset on the new and current safety regulation topics, which allows more time for TCL&P management to focus on operations and not have to worry about scheduling/coordination of training programs.
7. Our neighbor utility, Cherryand Electric Cooperative also utilizes MECA for safety training requests and allows us to collaborate with them for safety training and network with their employees and provides an environment to grow our working relationship with them.
8. They provide a culture to our employees that safety is our top priority by providing the “experts” to do the training program.

The quantifiable benefits are:

1. 8 Safety meetings annually (usually ½ day training)
2. 4 Safety workshops (2 seats included) (usually 1 ½ training)

Solely if you look at the training costs, each training day would cost out to \$2,490, more expensive, than what we have paid for in training with Consumers Energy.

If we were to use Consumers Energy as a base, the training costs, would exceed their costs annually by \$9,900. As identified above there are many non-quantifiable benefits or specialized services we would receive that we would not have with another entity. In my opinion, even though they are non-quantifiable I believe they substantiate the additional cost.

Please let me know when you have time to discuss further and thank you in advance for taking in consideration of renewing the MECA contract.



Michigan Electric Cooperative Association

January 20, 2014

Tim Arends
Controller
Traverse City L&P
1131 Hastings Street
Traverse City MI 49686

Re: Notice of 2015-2017 Safety Program Pricing

Dear Tim:

Thank you for your commitment to workplace safety, and your continued participation in the Michigan Electric Cooperative Association (MECA) safety training program.

Consistent with the Safety Program Agreement between our two organizations, we are writing to inform you of a pricing change for the 2015-2017 programs. The annual fee for Traverse City Light & Power will be \$24,950, which provides for eight traditional safety meetings, safety workshops, mutual aid support, accident investigation and other safety support (see Exhibit A, attached). This amount will continue to be payable in advance to MECA by December 1 of each proceeding program year.

The revised pricing model was designed to bridge the gap between the dues amounts paid by cooperative and non-cooperative participants, while providing 3-year price assurance for all. Changes to the pricing formula are:

- Increased site fee from \$12,500 to \$14,000. All utilities receiving services as part of a group share the site fee equally (e.g. if there are three utilities sharing a site, each pays \$4,666, one third of the \$14,000 site fee).
Increased utility fees from \$7,500 to \$10,950 ("large" utility) and from \$3,500 to \$5,110 ("small" utility).

These changes have been discussed and endorsed by a joint safety steering committee that is comprised of safety/operations professionals from both cooperative and municipal members of the MECA safety program:

Mark Prevost (Bay City)
Greg Fishnick (Holland)
Rod Solak (Traverse City)

Tom Harrell (Alger Delta)
Jim Blekicki (Grand Haven)
Jim Mackie (Cloverland)
David Lynch (Marquette)

Dave Matz (Great Lakes)
Matt Miller (HomeWorks)
Jim Carpenter (Cherryland)

This notice of pricing change is being made in accordance with Section 2 of our signed safety program agreement (attached). No action needs to be taken to continue participation in the MECA safety program for the 2015-2017 term. If you have any questions, please direct them to Mr. Joe McElroy, MECA Director of Safety & Loss Control, at jmcelroy@meca.coop or 517-331-4459.

The success of our safety program is based on a foundation of partnership between our electric cooperative members and municipal/private utility partners. We look forward to continuing this strategic partnership. Thank you for your participation in the MECA safety program.

Sincerely,

[Handwritten signature of Craig A. Borr]

Craig A. Borr
President/CEO

CC: Rod Solak

[Handwritten signature of Joe McElroy]

Joe McElroy
Director of Safety & Loss Control



**EXHIBIT "A"**  
Description of Employee Safety Program Services

<p><b>SEGMENT PARTICIPANTS:</b></p> <p><b>Traverse City L&amp;P</b> Annual Program Investment: <b>\$20,000</b></p>	<p><b>INCLUDED PROGRAM DELIVERABLES:</b></p> <ul style="list-style-type: none"> <li>• <b>Eight (8) Traditional Safety Meetings</b> All safety meetings to be delivered at designated host location, topics to be selected from an approved list of available programs. Up to two (2) meetings can be substituted for equal number of Block Training or Crew Observation a la carte items.</li> </ul>	<p><b>A LA CARTE OPTIONS:</b> Annual safety investment amount DOES NOT include the following a la carte items, available upon request:</p> <ul style="list-style-type: none"> <li>• <b>Block Training</b> Hourly Rate: <b>(TBD)</b></li> </ul>
<p><b>Proposed Host Location:</b></p> <p><b>Traverse City, MI</b></p>	<ul style="list-style-type: none"> <li>• <b>Four (4) Safety Workshops</b> Attendance for up to two (2) utility employees per workshop per year. Pricing for additional participants to be determined. To be held jointly with other safety program participants. Workshop topics include: <ul style="list-style-type: none"> <li>• <b>Accident Investigation Workshop</b></li> <li>• <b>National Electric Safety Code (NESC) Workshop</b></li> <li>• <b>Chainsaw Workshop</b></li> <li>• <b>Safety Coordinators Workshop</b></li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Crew Observations</b> Hourly Rate: <b>(TBD)</b></li> </ul>
<p><b>Term:</b></p> <p><b>2012 - 2014</b></p>	<ul style="list-style-type: none"> <li>• <b>Continued Participant Advantages</b> <ul style="list-style-type: none"> <li>• <b>Mutual Aid Support</b></li> <li>• <b>Accident Investigation</b></li> <li>• <b>Accident and Near-Miss Review and Discussion</b></li> </ul> </li> <li>• <b>Reliable Public Power Provider (RP3) Support and Assistance</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Additional Workshop Participants</b> Cost Per Additional Participant: <b>(TBD)</b></li> </ul>

Program pricing calculated as follows: \$12,500 site location fee divided equally among all segment participants, plus a utility fee of \$7,500 (large utility) or \$3,500 (small utility).

## Michigan Electric Cooperative Association

### SAFETY PROGRAM AGREEMENT

The undersigned municipal utility ("Utility") hereby subscribes to participate in the Employee Safety Program described below (the "Program") and provided by the Michigan Electric Cooperative Association ("MECA").

The Utility and MECA hereby agree as follows:

#### 1. The Program.

MECA shall provide the Program services to the Utility as more particularly set forth on Exhibit "A" attached to this Agreement and incorporated herein by reference.

The Program will be provided at a time scheduled by MECA in a single location within the Utility's service territory or in reasonably close proximity. MECA provides the Program services to multiple utilities and, for efficiency, reserves the right to combine the Utility's Program services with other utilities' participation at a more central location.

#### 2. Term.

The initial term of this Agreement is three (3) years beginning January 1, 2012. The Agreement shall thereafter automatically renew for successive three (3) year renewal terms unless either party provides written notice of non-renewal to the other party not less than six (6) months prior to the expiration of the initial term or any renewal term. MECA may change the fees for the Program services for any subsequent renewal term by providing written notice to the Utility not less than eight (8) months prior to the expiration of the then-current term of this Agreement.

The Agreement may be earlier terminated by either party at any time (i) upon a default of the other party after written notice of the default and failure to cure the default within 30 days after receipt of the notice; or (ii) MECA ceasing to provide the Program services.

Upon an early termination based upon MECA ceasing to provide the Program, all pre-paid

Program services shall be provided or the annual payment shall be refunded to the Utility.

#### 3. Fees.

The annual fee for the Program shall be \$20,000, payable in advance to MECA by December 1 of each preceding calendar year during the term of this Agreement. The annual fee is subject to change for each renewal term by written notice to the Utility as provided in Section 2.

#### 4. Liability.

The Utility remains responsible for its compliance with all applicable safety requirements and recommendations. Nothing in this Agreement or in the provision of the Program services to the Utility and its employees shall cause MECA to assume any responsibility or any liability to any third party or to the Utility or its employees for the Utility's compliance with any applicable federal, state, local or industry standards or requirements.

The Utility hereby agrees to indemnify and hold MECA, and its directors, members, employees, contractors and agents, harmless from and against any claims made against MECA for any injury, death or damages, including all costs of defense against any such claim, arising out of or made in connection with the Utility's or its employees' failure to properly comply with any applicable safety standard or requirement.

Neither party shall be liable to the other party for any indirect, incidental or consequential damages related to either party's performance or non-performance of their obligations under this Agreement.

#### 5. Assignment.

This Agreement shall be binding upon the parties hereto and their respective successors and permitted assigns; provided, however, that this Agreement may not be assigned by the Utility to any

unaffiliated person without the prior written consent of MECA.

**6. Notices.**

Any notice required or permitted to be given under this Agreement shall be in writing and shall be sent by first class mail, postage prepaid, to the addresses set forth below. Notice shall be deemed to be given upon mailing.

**7. No Agency.**

By entering into this Agreement and performing its obligations hereunder, MECA is acting solely as an independent contractor and shall not be, and shall not be deemed to be, an agent of the Utility for any purpose.

The undersigned parties have caused this Agreement to be executed by their duly authorized officers or representatives as of the date accepted and executed by MECA below.

**8. Entire Agreement.**

This Agreement contains the entire agreement of the parties with respect to the provision of the Program services and supersedes all prior correspondence, conversations and negotiations with respect thereto. Except as otherwise provided herein, this Agreement may be changed or otherwise modified only in writing and signed by both parties hereto.

**9. Governing Law.**

This Agreement shall be governed by and interpreted in accordance with the laws of the State of Michigan.

TRAVERSE CITY LIGHT & POWER

By: Edward J. Rice  
Its: Executive Director

Address: 1131 Hastings Street  
Traverse City, MI 49686

Accepted 29 Nov, 2011

MICHIGAN ELECTRIC COOPERATIVE ASSOCIATION

By: Craig Borr, President and CEO

Address: 2859 W. Jolly Road  
Okemos, MI 48864



**TRAVERSE CITY  
LIGHT & POWER**

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**To:** Light & Power Board  
**From:** Tom Olney, Engineering and Operations Manager *TO*  
**Date:** February 3, 2014  
**Subject:** Purchase of Three 15 kV Motor-Operated Interrupting Switches for South Substation

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There is only a single source for the 15 kV Motor-Operated Interrupting Switches that were designed to operate in the South Substation and the quoted price for three is as follows:

<u>Manufacturer</u>	<u>Total Price</u>
S&C Electric Company	\$70,962.00

The GRP Engineering, Inc. budget estimate did not itemize this equipment and it will be applied to the \$573K T&D Material budget. Staff recommends accepting the single source quote from S&C Electric Company in the amount of \$70,962.

This item is appearing on the Consent Calendar as it is deemed by staff to be a non-controversial item. Approval of this item on the Consent Calendar means you agree with staff's recommendation.

If any member of the Board or the public wishes to discuss this matter, other than clarifying questions, it should be placed on the "items removed from the consent calendar" portion of the agenda for full discussion.

If after Board discussion you agree with staff's recommendation the following motion would be appropriate:

If the Board concurs, the following motion is recommended:

**MOVED BY \_\_\_\_\_, SECONDED BY \_\_\_\_\_,**

**THAT THE BOARD AUTHORIZES THE EXECUTIVE DIRECTOR TO ISSUE A PURCHASE ORDER IN THE AMOUNT OF \$70,962 TO S&C ELECTRIC COMPANY FOR THREE 15 kV MOTOR-OPERATED INTERRUPTING SWITCHES FOR THE SOUTH SUBSTATION PROJECT.**




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**To:** Light & Power Board  
**From:** Tom Olney, Engineering and Operations Manager *TO*  
**Date:** February 3, 2014  
**Subject:** Purchase of Four 15 kV Reclosers for South Substation

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There is only a single source for the 15 kV Reclosers that were designed to operate in the South Substation and the quoted price for four is as follows:

<u>Manufacturer</u>	<u>Total Price</u>
G&W Electric Company	\$78,316.00

GRP Engineering, Inc. budget estimate was \$100K for 5 reclosures, however, only 4 are needed. Accepting the bid creates a positive budget variance of \$21K. Staff recommends accepting the single source quote from G&W Electric Company in the amount of \$78,316.

This item is appearing on the Consent Calendar as it is deemed by staff to be a non-controversial item. Approval of this item on the Consent Calendar means you agree with staff's recommendation.

If any member of the Board or the public wishes to discuss this matter, other than clarifying questions, it should be placed on the "items removed from the consent calendar" portion of the agenda for full discussion.

If after Board discussion you agree with staff's recommendation the following motion would be appropriate:

**MOVED BY \_\_\_\_\_, SECONDED BY \_\_\_\_\_,**

**THAT THE BOARD AUTHORIZES THE EXECUTIVE DIRECTOR TO ISSUE A PURCHASE ORDER IN THE AMOUNT OF \$78,316 TO G&W ELECTRIC COMPANY FOR FOUR 15 kV RECLOSERS FOR THE SOUTH SUBSTATION PROJECT.**




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**To:** Light & Power Board  
**From:** Tom Olney, Engineering and Operations Manager *TO*  
**Date:** February 3, 2014  
**Subject:** Purchase of Five 69 kV Potential Transformers (PT's) for South Substation

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Bids have been obtained for the purchase of five 69kV Potential Transformers for the South Substation project. Bids were as follows:

<u>Manufacturer</u>	<u>Total Price</u>
ABB	\$24,805.00
Alstom	\$34,250.00
Trench	\$35,310.00

The GRP Engineering, Inc. budget estimate did not itemize this equipment and it will be applied to the \$573K T&D Material budget. Staff recommends accepting the low bid from ABB in the amount of \$24,805.

This item is appearing on the Consent Calendar as it is deemed by staff to be a non-controversial item. Approval of this item on the Consent Calendar means you agree with staff's recommendation.

If any member of the Board or the public wishes to discuss this matter, other than clarifying questions, it should be placed on the "items removed from the consent calendar" portion of the agenda for full discussion.

If after Board discussion you agree with staff's recommendation the following motion would be appropriate:

**MOVED BY \_\_\_\_\_, SECONDED BY \_\_\_\_\_,**

**THAT THE BOARD AUTHORIZES THE EXECUTIVE DIRECTOR TO ISSUE A PURCHASE ORDER IN THE AMOUNT OF \$24,805 TO ABB FOR FIVE 69kV POTENTIAL TRANSFORMERS FOR THE SOUTH SUBSTATION PROJECT.**





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**To:** Light & Power Board  
**From:** Tom Olney, Engineering and Operations Manager *TO*  
**Date:** February 3, 2014  
**Subject:** Purchase of Two 69 kV Circuit Switchers for South Substation

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Bids have been obtained for the purchase of two 69kV Circuit Switchers for the South Substation project. Bids were as follows:

<u>Manufacturer</u>	<u>Total Price</u>
Siemens	\$69,570.00
Southern States	\$74,844.00
S&C Electric Company	\$76,674.00

GRP Engineering, Inc. budget estimate was \$48K for just 1 switch; however, the substation requires 2 switches. The negative budget variance of \$21,570 will be applied to the project contingency line item of the budget. Staff recommends accepting the low bid from Siemens Power Transmission and Distribution in the amount of \$69,570.

This item is appearing on the Consent Calendar as it is deemed by staff to be a non-controversial item. Approval of this item on the Consent Calendar means you agree with staff's recommendation.

If any member of the Board or the public wishes to discuss this matter, other than clarifying questions, it should be placed on the "items removed from the consent calendar" portion of the agenda for full discussion.

If after Board discussion you agree with staff's recommendation the following motion would be appropriate:

**MOVED BY \_\_\_\_\_, SECONDED BY \_\_\_\_\_,**

**THAT THE BOARD AUTHORIZES THE EXECUTIVE DIRECTOR TO ISSUE A PURCHASE ORDER IN THE AMOUNT OF \$69,570 TO SIEMENS POWER TRANSMISSION AND DISTRIBUTION FOR TWO 69kV CIRCUIT SWITCHERS FOR THE SOUTH SUBSTATION PROJECT.**




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**To:** Light & Power Board  
**From:** Tom Olney, Engineering and Operations Manager *TO*  
**Date:** February 3, 2014  
**Subject:** Purchase of Two 69 kV Breakers for South Substation

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Bids have been obtained for the purchase of two 69kV Breakers for the South Substation project. Bids were as follows:

<u>Manufacturer</u>	<u>Total Bid</u>
Siemens	\$69,700.00
Mitsubishi	\$98,594.00
ABB	No Bid

GRP Engineering, Inc. budget estimate was \$98K. Accepting the low bid creates a positive budget variance of \$28,300. Staff recommends accepting the low bid from Siemens Power Transmission and Distribution in the amount of \$69,700.

This item is appearing on the Consent Calendar as it is deemed by staff to be a non-controversial item. Approval of this item on the Consent Calendar means you agree with staff's recommendation.

If any member of the Board or the public wishes to discuss this matter, other than clarifying questions, it should be placed on the "items removed from the consent calendar" portion of the agenda for full discussion.

If after Board discussion you agree with staff's recommendation the following motion would be appropriate:

**MOVED BY \_\_\_\_\_, SECONDED BY \_\_\_\_\_,**

**THAT THE BOARD AUTHORIZES THE EXECUTIVE DIRECTOR TO ISSUE A PURCHASE ORDER IN THE AMOUNT OF \$69,700 TO SIEMENS POWER TRANSMISSION AND DISTRIBUTION FOR TWO 69kV BREAKERS FOR THE SOUTH SUBSTATION PROJECT.**



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**TRAVERSE CITY  
LIGHT & POWER**

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**To:** Light & Power Board  
**From:** Tim Arends, Executive Director  
**Date:** February 4, 2014  
**Subject:** Consideration of a Strategic Plan Policy

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At the request of the Board, included in your packet is a proposed policy that would create guidelines on when and how TCL&P's Strategic Plan should be reviewed, revised and updated. This policy, if approved, will ensure the investment made into this process by TCL&P's Board and staff continues into the future.

The benefits of an up-to-date strategic plan is to allow the Board and staff the ability to translate TCL&P's mission and values into specific, actionable, and measurable goals. Further, the document enables the board to provide direction to staff on its short and long-term decision making priorities.

Staff recommends the Board's adoption of the attached policy as presented. If after Board discussion you agree with staff's recommendation the following motion would be appropriate:

**MOVED BY** \_\_\_\_\_ **SECONDED BY** \_\_\_\_\_

**THAT THE BOARD ADOPTS THE STRATEGIC PLAN POLICY AS PRESENTED.**

Light and Power Department  
City of Traverse City, MI  
Adopted: \_\_\_\_\_

## **STRATEGIC PLAN POLICY**

Traverse City Light and Power (“TCL&P”) will establish an ongoing strategic planning process by which it translates its mission and values into specific, actionable and measurable goals. The utility’s strategic plan (“Plan”) provides direction for both long and short-term decision making by the Board of Directors and management to fulfill the mission of the utility.

Management recognizes there be may a need for the Plan’s measurable goals to be amended more frequently than on an annual basis due to any new legislation or regulations issued by a governing authority, however, it shall be the normal practice of the utility to update the Plan on an annual basis.

Prior to January 31<sup>st</sup> of each year, the utility’s management staff shall convene a strategic planning session with the board where the strategic issues may be reviewed based on changes in the electric industry, economy, or changes in customer needs and expectations. Measurable goals will be proposed by management for consideration of board approval to allow for a Plan that remains a relevant guiding document for TCL&P.

At least every five years, or earlier if needed, the board and staff may go through a more in-depth process of strategic planning which may include revising the strategic issues of the utility. After strategic issues have been identified and approved, operating strategies and focus areas will be presented to the board for its consideration of approval. Next, management will develop measurable business goals for each strategic issue and present them to the board for its consideration of approval. An amended strategic plan will be drafted and presented for approval of the Board.

At least semi-annually, the Executive Director shall report to the board a progress report on the utility’s performance in achieving its strategic goals.

*Timothy J. Arends*

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Timothy J. Arends  
Executive Director and Secretary  
Traverse City Light and Power Board



## SIX YEAR CAPITAL IMPROVEMENTS PLAN – 2014

### GENERATION:

#### Community Solar Garden Phase II

Location: Local solar generation either inside or outside city limits

Character: Free standing solar panels

Extent: Installation of solar panels to provide up to 84.6 KW of generation.

Estimated Cost: \$250,000 – Amount to be recovered through 25 year Sun Shares to customers

Fiscal Year(s): 2016-17

#### Decommission M-72 Wind Turbine (CHANGE)

Location: Wind turbine on M-72 outside of city limits

Character: Site returned to condition before the turbine was installed.

Extent: Removal of turbine and all ancillary equipment and infrastructure.

Estimated Cost: \$200,000 – net of salvage value

Fiscal Year(s): 2014-15

### DISTRIBUTION and SUBSTATION:

#### Line Improvements, Extensions, and New Services

Location: Throughout the entire service area

Character: Construction/replacement of overhead and underground distribution facilities involving the use of wire, poles, meters, cabinets, and transformers.

Extent: This is an annual project in which wages, benefits, and equipment charges are capitalized for upgrades to existing services or new customer services.

Estimated Cost: \$5.95 Million

Fiscal Year(s): 2014-15 through 2019-20 (Annual Program)

#### Distribution Circuit Rebuild

Location: Throughout the entire service area. In 2014-15, the commercial corridor of BW-31 will be rebuilt. Following the spring annual pole study, future projects will be evaluated based on specific criteria developed by Engineering.

Character: Replace deteriorated overhead/underground facilities with new wire, conduit, poles, etc. to include conversion of overhead facilities to underground as appropriate.

Extent: New circuits and upgrade of existing circuits to improve reliability and serve anticipated growth to include undergrounding facilities as appropriate.

Estimated Cost: \$6.15 Million

Fiscal Year(s): 2014-15 through 2019-20 (Annual Program)



## SIX YEAR CAPITAL IMPROVEMENTS PLAN – 2014

### DISTRIBUTION and SUBSTATION (continued):

#### 69kV/13.8kV Distribution South Substation

Location: *South central portion of service area outside city limits*

Character: *Construction of new 69/13.8kV distribution substation and related circuits.*

Extent: *Facility costs*

Estimated Cost: *\$3.4 Million (estimated balance to complete)*

Fiscal Year(s): *2014-15*

#### Overhead to Underground Conversion Projects

Location: *Throughout the entire service area*

Character: *Conversion of overhead distribution facilities to underground.*

Extent: *Annual Program for approved projects. In the upcoming year, the focus area will be Spruce St. and design of the Orchard Heights area.*

Estimated Cost: *\$2 Million*

Fiscal Year(s): *2014-15 through 2019-20 (Annual Program)*

#### Pine Street Overhead to Underground Conversion (CHANGE)

Location: *Starting from behind Hall Street Substation crossing the Boardman River South along Pine Street to Hannah Park and ending in Lay Park.*

Character: *Convert existing overhead distribution facilities to underground.*

Extent: *In concert with TIF 97 Pedestrian Way project and the proposed Uptown Development.*

Estimated Cost: *\$1,665,000*

Fiscal Year(s): *2014-15*

#### Street Lighting System - Expanded (CHANGE)

Location: *Street lighting expanded in Central Neighborhood*

Character: *LED street lighting*

Extent: *Installation of new LED street lights; and low level pedestrian lights.*

Estimated Cost: *\$200,000*

Fiscal Year(s): *2015-16*



## SIX YEAR CAPITAL IMPROVEMENTS PLAN – 2014

### DISTRIBUTION and SUBSTATION (continued):

#### Cowell Family Cancer Center Alternate Feed (NEW)

Location: *Munson Campus*

Character: *Underground alternate feed from CD-31.*

Extent: *Bore underground from Elmwood Ave to Sixth St.*

Estimated Cost: *\$190,000*

Fiscal Year(s): *2014-15*

#### Parsons Switching Station (NEW)

Location: *Parsons Substation*

Character: *Addition of switching equipment to create a fully looped transmission system for increased reliability.*

Extent: *Installation of substation infrastructure and equipment.*

Estimated Cost: *\$700,000*

Fiscal Year(s): *2015-16 through 2016-17*

#### Recloser Upgrades (NEW)

Location: *Cass and Barlow Substations*

Character: *Upgrading recloser equipment already located at the substation to allow for reconfiguration of distribution systems and maintaining reliable service in the event of a fault.*

Extent: *This is a one-time occurrence of equipment upgrade.*

Estimated Cost: *\$200,000*

Fiscal Year(s): *2014-15 through 2016-17*

#### Street Lighting (LED) System Replacements

Location: *Throughout the entire utility service area*

Character: *LED street lighting replacements.*

Extent: *Removal of any old high pressure sodium street lights and replace with LED lights.*

Estimated Cost: *\$420,000*

Fiscal Year(s): *2014-15 through 2016-17*

### TRANSMISSION and SUBSTATION:

#### Substation Transformer Upgrades

Location: *Parsons Substation and Cass Road Substation*

Character: *Installation of higher rated transformers as recommended by Engineers.*

Extent: *Upgrade existing substation transformers for system reliability due to load growth.*

Estimated Cost: *\$3 Million*

Fiscal Year(s): *2018-19 through 2019-20*



## SIX YEAR CAPITAL IMPROVEMENTS PLAN – 2014

### TRANSMISSION and SUBSTATION (continued):

#### Transmission Line Reconductor (CHANGE)

Location: Existing transmission corridor along Wayne Hill, Hammond, Barlow, LaFranier, Cass, and Wadsworth.

Character: Overhead transmission facilities to include new poles and wire.

Extent: Reconductor/rebuilding of existing 69kV transmission lines with new lines and higher poles to bring circuits to current day standards.

Estimated Cost: \$4.275 Million

Fiscal Year(s): 2015-16 through 2018-19

### FACILITIES AND OTHER:

#### Stringing Trailer (NEW)

Location: Will be utilized throughout the entire service area.

Character: Trailer that will feed the wire for internal distribution circuit rebuilt projects.

Extent: One-time purchase with minimal maintenance.

Estimated Cost: \$60,000

Fiscal Year(s): 2014-15

#### Telephone System Upgrade (NEW)

Location: 1131 Hastings Street

Character: Upgrade telephone system.

Extent: Upgrade of telephones for both Building A and B at Hastings St Facility

Estimated Cost: \$65,000

Fiscal Year(s): 2014-15

#### Meter Test Board (NEW)

Location: 1131 Hastings Street

Character: New meter test board to energize meters and test for consumption accuracy.

Extent: Installation of meter test board located in the metering department.

Estimated Cost: \$40,000

Fiscal Year(s): 2014-15

#### System Modeling Software (NEW)

Location: 1131 Hastings Street

Character: New software system for the GIS System.

Extent: Installation of software that provides accuracy control over updates to the GIS System.

Estimated Cost: \$80,000

Fiscal Year(s): 2014-15





## SIX YEAR CAPITAL IMPROVEMENTS PLAN – 2014

### FACILITIES AND OTHER (continued):

#### Hastings Service Center Facility Improvements (CHANGE)

*Location: 1131 Hastings Street*

*Character: Site improvements to existing facility.*

*Extent: Remodel of Building B, construction of new Building C, and an outdoor covered area for inventory & equipment.*

*Estimated Cost: \$1.3 Million*

*Fiscal Year(s): 2014-15 through 2016-17*

### SCADA, COMMUNICATIONS, and OTHER ITEMS:

#### Smart Metering Technologies (AMI) PILOT (CHANGE)

*Location: Entire Service Area*

*Character: Electric meters and software to accommodate smart metering capabilities.*

*Extent: A program to provide for the migration to electronic smart meters that will assist utility customers on energy use and reliability and provide reads to utility billing.*

*Estimated Cost: \$2,250,000*

*Fiscal Year(s): 2015-16 through 2018-19*

#### SCADA System Replacement (NEW)

*Location: 1131 Hastings Street and Substations*

*Character: Installation of new SCADA equipment.*

*Extent: Upgrade the system to allow it to interconnect with other related systems such as AMI, billing, GIS, OMS and other technologies.*

*Estimated Cost: \$350,000*

*Fiscal Year(s): 2015-16*

### JOINT TCL&P, CITY OF TRAVERSE CITY, and DDA PROJECTS:

#### Disaster Recovery Center (NEW)

*Location: DPS Building (former bowling alley) located on Woodmere Ave.*

*Character: Renovation of the DPS building to be used as a disaster recovery center.*

*Extent: Renovation of building and installation of equipment for backup operations center for TCL&P along with other city departments.*

*Estimated Cost: \$350,000*

*Fiscal Year(s): 2015-16 through 2016-17*



## SIX YEAR CAPITAL IMPROVEMENTS PLAN – 2014

### JOINT TCL&P, CITY OF TRAVERSE CITY, and DDA PROJECTS (continued):

#### Work Order and Asset Management System (NEW)

*Location: 1131 Hastings Street*

*Character: Replace City-wide work order and asset management software program.*

*Extent: Installation of software programs will be in-house and in the line trucks.*

*Estimated Cost: \$92,000*

*Fiscal Year(s): 2014-15*

#### Corridor Upgrade Improvements – OH to UG Improvements around major intersections (NEW)

*Location: Various Locations*

*Character: Conversion of overhead facilities to underground or rerouting facilities, if possible.*

*Extent: This will entail various major intersections throughout the City.*

*Estimated Cost: Unknown*

*Fiscal Year(s): Various*

#### Front St Lighting Circuits and Receptacles (NEW)

*Location: Downtown North and South along Front Street.*

*Character: Upgrade circuit to accommodate increased load*

*Extent: New conduit, wire, and addition of event outlets*

*Estimated Cost: \$800,000*

*Fiscal Year(s): 2016-17 through 2017-18*

#### W. Front (TCSB Building) to Oak Street Streetscapes (NEW)

*Location: W. Front Street (former Traverse City State Bank building) to Oak Street*

*Character: New street lighting installations in conjunction with planned streetscape.*

*Extent: To be determined in coordination with City.*

*Estimated Cost: \$150,000*

*Fiscal Year(s): 2014-15*

#### Riverwalk Lighting (N Side of Boardman River) (NEW)

*Location: North Side of Boardman River from Front St to Dam*

*Character: New Boardman Riverwalk lighting*

*Extent: To be determined in coordination with City & Uptown Development.*

*Estimated Cost: \$200,000*

*Fiscal Year(s): 2014-15*



## SIX YEAR CAPITAL IMPROVEMENTS PLAN – 2014

### JOINT TCL&P, CITY OF TRAVERSE CITY, and DDA PROJECTS (continued):

#### Cass & Lake Street Streetscapes

Location: Cass Street from Eighth St to Cass Street bridge and along Lake Street from Cass St to Eighth St.

Character: New street lighting installations in conjunction with planned streetscape.

Extent: To be determined in coordination with DDA.

Estimated Cost: \$350,000

Fiscal Year(s): 2015-16

#### East Front Street Streetscapes

Location: Along East Front Street from Boardman Ave. to Grandview Parkway

Character: New street lighting installations in conjunction with planned streetscape.

Extent: To be determined in coordination with DDA.

Estimated Cost: \$400,000

Fiscal Year(s): 2015-16

#### Garland Street Streetscapes

Location: Garland Street in the Warehouse District

Character: New street lighting installation in conjunction with planned streetscape.

Extent: To be determined in coordination with DDA.

Estimated Cost: \$300,000

Fiscal Year(s): 2014-15 through 2015-16

#### Park Street Streetscapes

Location: From State Street to Grandview Parkway

Character: New street lighting installation and underground existing overhead services.

Extent: Removal of existing fixtures/poles/wires in coordination with DDA project.

Estimated Cost: \$100,000

Fiscal Year(s): 2014-15

### FIBER FUND PROJECTS

#### Wi-Fi Project – DDA (CHANGE)

Location: Downtown Development Authority District

Character: Provide Wi-Fi nodes on top of various utility poles for the Wi-Fi network.

Extent: To accommodate WI-FI service to the downtown district.

Estimated Cost: \$700,000

Fiscal Year(s): 2014-15

**TRAVERSE CITY LIGHT & POWER  
SIX YEAR CAPITAL IMPROVEMENTS PLAN 2014**

*(This worksheet is for illustration purposes only and is supplemental information to the Plan)*

		Fiscal Year 2014-15	Fiscal Year 2015-16	Fiscal Year 2016-17	Fiscal Year 2017-18	Fiscal Year 2018-19	Fiscal Year 2019-20	Project Totals	Project Notes	2013 Funding Level	Change
<b>Generation:</b>											
NO CHANGE	Community Solar Garden Phase II (project to be similar as the 2013 joint TCL&P/Cherryland project - No cost of land included - location to be determined)	---	---	\$ 250,000	---	---	---	\$ 250,000	Funding to come from Leaseholders	\$ 250,000	\$ -
CHANGE	Decommission M-72 Wind Turbine (previously classified as refurbished)	200,000	---	---	---	---	---	200,000		\$ 350,000	\$ (150,000)
<b>Total Generation</b>		<b>200,000</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>450,000</b>		<b>600,000</b>	<b>(150,000)</b>
<b>Distribution and Substation:</b>											
NO CHANGE	Line Improvements, Extensions, and New Services	850,000	900,000	950,000	1,000,000	1,100,000	1,150,000	5,950,000	Annual Program	\$ 5,625,000	\$ 325,000
NO CHANGE	Distribution Circuit Rebuild	900,000	950,000	1,000,000	1,050,000	1,100,000	1,150,000	6,150,000	Annual Program	\$ 5,850,000	\$ 300,000
NO CHANGE	69kV/13.8kV Distribution South Substation (updated estimated cost to complete)	3,400,000	---	---	---	---	---	3,400,000		\$ 4,600,000	\$ (1,200,000)
NO CHANGE	OH to URG Conversion Projects (residential projects to enhance system reliability)	250,000	350,000	350,000	350,000	350,000	350,000	2,000,000	Annual Program	\$ 2,025,000	\$ (25,000)
CHANGE	Pine Street Overhead to Underground Conversion (increased extent to include uptown development undergrounding and south river crossing bore)	1,665,000	---	---	---	---	---	1,665,000		\$ 1,000,000	\$ 665,000
CHANGE	Street Lighting System - Expanded (Central Neighborhood)	---	200,000	---	---	---	---	200,000	Special Assessment Fund	\$ 325,000	\$ (125,000)
NEW	Cowell Family Cancer Center Alternate Feed (redundant feed for the Cancer Center)	190,000	---	---	---	---	---	190,000	Funding to come from Cowell Family Cancer Center	\$ -	\$ 190,000
NEW	Parsons Switching Station	---	100,000	600,000	---	---	---	700,000		\$ -	\$ 700,000
NEW	Recloser Upgrades	100,000	---	100,000	---	---	---	200,000		\$ -	\$ 200,000
NO CHANGE	Street Lighting (LED) System Replacements (accelerated funding to complete 400 changeovers a year)	180,000	180,000	60,000	---	---	---	420,000		\$ 595,000	\$ (175,000)
<b>Total Distribution and Substation</b>		<b>7,535,000</b>	<b>2,680,000</b>	<b>3,060,000</b>	<b>2,400,000</b>	<b>2,550,000</b>	<b>2,650,000</b>	<b>20,875,000</b>		<b>20,020,000</b>	<b>855,000</b>
<b>Transmission and Substation:</b>											
DELETED	69kV Load Break Switches	---	---	---	---	---	---	0		\$ 600,000	\$ (600,000)
DELETED	69kV Transmission Line & Substation - EAST (project completed)	---	---	---	---	---	---	0		\$ 4,200,000	\$ (4,200,000)
NO CHANGE	Substation Transformer Upgrades	---	---	---	---	1,500,000	1,500,000	3,000,000		\$ 3,000,000	\$ -
CHANGE	Transmission Line Reconductor (removed Boardman Lake and added Wayne Hill)	---	1,575,000	600,000	1,500,000	600,000	---	4,275,000		\$ 4,275,000	\$ -

**TRAVERSE CITY LIGHT & POWER  
SIX YEAR CAPITAL IMPROVEMENTS PLAN 2014**

*(This worksheet is for illustration purposes only and is supplemental information to the Plan)*

		Fiscal Year 2014-15	Fiscal Year 2015-16	Fiscal Year 2016-17	Fiscal Year 2017-18	Fiscal Year 2018-19	Fiscal Year 2019-20	Project Totals	Project Notes	2013 Funding Level	Change
<b>Total Transmission and Substation</b>		0	1,575,000	600,000	1,500,000	2,100,000	1,500,000	7,275,000		12,075,000	(4,800,000)
<b>Facilities and Other:</b>											
NEW	Stringing Trailer	60,000	---	---	---	---	---	60,000		\$ -	\$ 60,000
NEW	Telephone System Upgrade	65,000	---	---	---	---	---	65,000		\$ -	\$ 65,000
NEW	Meter Test Board	40,000	---	---	---	---	---	40,000		\$ -	\$ 40,000
NEW	System Modeling Software	80,000	---	---	---	---	---	80,000		\$ -	\$ 80,000
CHANGE	Hasting Service Center Facility Improvements (upgrade to Building B, new Building C, and covered area for inventory)	350,000	---	950,000	---	---	---	1,300,000		\$ 700,000	\$ 600,000
<b>Total Facilities and Other</b>		595,000	0	950,000	0	0	0	1,545,000		700,000	845,000
<b>SCADA, Communications, and Other Items:</b>											
CHANGE	Smart Metering Technologies (AMI) PILOT	---	50,000	200,000	1,000,000	1,000,000	---	2,250,000		\$ 200,000	\$ 2,050,000
NEW	SCADA System Replacement	---	350,000	---	---	---	---	350,000		\$ -	\$ 350,000
DELETED	Substation Security Cameras (project will be completed by 6/30/2014)	---	---	---	---	---	---	0		\$ 75,000	\$ (75,000)
<b>Total SCADA, Communications, and Other Items</b>		0	400,000	200,000	1,000,000	1,000,000	0	2,600,000		275,000	2,325,000
<b>Joint TCL&amp;P, City of Traverse City, and DDA Projects</b>											
NEW	Disaster Recovery Center (renovation of DPS building to include installation of equipment for backup operational site)	---	250,000	100,000	---	---	---	350,000		\$ -	\$ 350,000
NEW	Work Order and Asset Management Software System	92,000	---	---	---	---	---	92,000		\$ -	\$ 92,000
NEW	Corridor Improvement Projects	---	---	---	---	---	---	0	Project costs unknown at this time.	\$ -	\$ -
NEW	Front St Lighting Circuit and Receptacles	---	---	400,000	400,000	---	---	800,000		\$ -	\$ 800,000
NEW	W. Front St (TCSB) to Oak Street Streetscapes	150,000	---	---	---	---	---	150,000	Special Assessment Fund	\$ -	\$ 150,000
NEW	Riverwalk Lighting (N Side of Boardman River)	200,000	---	---	---	---	---	200,000	Grant Funding Reimbursement	\$ -	\$ 200,000
DELETED	Bayfront Trail Lighting Phase I & II	---	---	---	---	---	---	0		\$ 150,000	\$ (150,000)

**TRAVERSE CITY LIGHT & POWER  
SIX YEAR CAPITAL IMPROVEMENTS PLAN 2014**

*(This worksheet is for illustration purposes only and is supplemental information to the Plan)*

		Fiscal Year 2014-15	Fiscal Year 2015-16	Fiscal Year 2016-17	Fiscal Year 2017-18	Fiscal Year 2018-19	Fiscal Year 2019-20	Project Totals	Project Notes	2013 Funding Level	Change
NO CHANGE	Cass & Lake Street Streetscapes	---	350,000	---	---	---	---	350,000	Special Assessment Fund	\$ 350,000	\$ -
NO CHANGE	East Front Street Streetscapes	---	400,000	---	---	---	---	400,000	Special Assessment Fund	\$ 400,000	\$ -
NO CHANGE	Garland Street Streetscapes	200,000	100,000	---	---	---	---	300,000	Special Assessment Fund	\$ 300,000	\$ -
NO CHANGE	Park Street Streetscapes	100,000	---	---	---	---	---	100,000	Special Assessment Fund	\$ 100,000	\$ -
DELETED	Pine Street Pedestrian Way <i>(In coordination with Pine Street Overhead to Underground - funding to be determined by the Board, if any)</i>	---	---	---	---	---	---	0		\$ 655,000	\$ (655,000)
Total Joint TCL&P, City of Traverse City and DDA Projects		742,000	1,100,000	500,000	400,000	0	0	2,742,000		1,955,000	787,000
<b>TOTAL</b>		<b>\$ 9,072,000</b>	<b>\$ 5,755,000</b>	<b>\$ 5,560,000</b>	<b>\$ 5,300,000</b>	<b>\$ 5,650,000</b>	<b>\$ 4,150,000</b>	<b>\$ 35,487,000</b>		<b>\$ 35,625,000</b>	<b>\$ (138,000)</b>
<b>FIBER FUND PROJECTS:</b>											
CHANGE	Wi-Fi Project - DDA <i>(funding reinstated with DDA)</i>	700,000	---	---	---	---	---	700,000	Funding to come from Downtown Development Authority	\$ -	\$ 700,000
Total Fiber Fund Projects		<b>\$ 700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 700,000</b>		<b>\$ -</b>	<b>\$ 700,000</b>

*(Actual fiscal year that a project may be undertaken may differ from the fiscal year depicted in this spreadsheet. Dollar amounts are estimates.)*