

**A REGULAR MEETING**

Of The

**TRAVERSE CITY LIGHT AND POWER BOARD**

Will Be Held On

**TUESDAY, March 22, 2016**

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) 922-4940 ext. 201

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

Posting Date: 03-18-16  
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 March 8, 2016. (Approval recommended) (p.4 )
- b. Consideration of authorizing a purchase order to Power Line Supply for optical wire for the LaFranier/Barlow Transmission Line Upgrade Project. (Approval recommended) (Schimpke) (p.7 )
- c. Consideration of approving the Electric Utility 2016-17 Operating Budget. (Approval recommended) (Myers-Beman) (p.8 )

#### Items Removed from the Consent Calendar

- a.

#### 3. Unfinished Business

None.

#### 4. New Business

None.

#### 5. Appointments

None.

#### 6. Reports and Communications

- a. From Legal Counsel.
- b. From Staff.
  1. Discussion of the potential transfer of River Road customers to Cherryland Electric Cooperative. (Arends) (p.14 )
  2. Presentation of the 2015 Annual Report to customers. (Myers-Beman) (p.17 )

3. Consideration of canceling the April 12, 2016 Regular Board meeting. (Arends)  
(*verbal*)

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, March 8, 2016

**Board Members -**

Present: Pat McGuire, Jeff Palisin, Amy Shamroe, Bob Spence, Tim Werner, Jan Geht, John Taylor

**Ex Officio Member -**

Present: Marty Colburn, City Manager

**Others:** Tim Arends, Scott Menhart, Karla Myers-Beman, Pete Schimpke, Kelli Schroeder

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

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

Moved by McGuire, seconded by Shamroe, that the following actions, as recommended on the Consent Calendar portion of the Agenda, be approved:

- a. Minutes of the Regular Meeting of February 23, 2016
- b. Board policies:
  1. Time Card Policy
  2. Employee Conduct Policy
- c. Consultant Agreement with CS-Research & Consulting, LLC for the 2016 Funding Survey
- d. Purchase order to RESCO in the amount of \$196,083 for transmission poles for the LaFranier/Barlow Transmission Line Upgrade Project.

CARRIED unanimously.

**Items Removed from the Consent Calendar**

None.

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

None.

**Item 4 on the Agenda being New Business**

None.

**Item 5 on the Agenda being Appointments**

None.

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

a. From Legal Counsel.

None.

b. From Staff.

1. Karla Myers-Beman presented the 2016-17 Electric Fund budget.

The following individuals addressed the Board:

Tim Arends, Executive Director

Marty Colburn, City Manager

Kelli Schroeder, Manager of HR and Communications

c. From Board.

1. Marty Colburn stated the billing from TCL&P for tree trimming assistance during the August storm has been paid in full by the City. Marty explained the \$100,000 funding from the state has been split 84%-16% between TCL&P and the City.

2. Bob Spence asked for an update regarding the Garland Street project.

The following individuals addressed the Board:

Marty Colburn, City Manager

Tim Arends, Executive Director

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

No one from the public commented.

There being no objection, Chairman Taylor declared the meeting adjourned at 5:56 p.m.

/st

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Tim Arends, Secretary  
LIGHT AND POWER BOARD



**TRAVERSE CITY  
LIGHT & POWER**

**To:** Light & Power Board  
**From:** Pete Schimpke, Manager of Operations & Engineering *PS*  
**Date:** March 15, 2016  
**Subject:** LaFranier/Barlow Transmission Line Upgrade Project - Optical Ground Wire Purchase

On Tuesday, March 15, 2016, one (1) bid was received for Optical Ground Wire (OPGW) with the bidder being Power Line Supply. GRP Engineering, Inc. (GRP) evaluated the bid and determined it was reasonable in terms of price and quality of material. Please note that OPGW is considered a specialty item so no bids for "equivalents" were requested.

The Bid price was:

Vendor: Power Line Supply

OPGW	\$26,260.00
<u>Hardware</u>	<u>\$17,141.11</u>
Total	\$43,401.11

These costs are approximately 14% lower than what was estimated.

For your review, attached is GRP's letter recommending Power Line Supply. Staff concurs with GRP's recommendation to accept this bid in the amount of \$43,401.11 and recommends the Board authorize the issuance of a purchase order for the OPGW and associated hardware.

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 then the following motion would be appropriate.

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

**THAT THE BOARD AUTHORIZES THE EXECUTIVE DIRECTOR TO ISSUE A  
PURCHASE ORDER TO POWER LINE SUPPLY IN THE AMOUNT OF \$43,401.11  
FOR OPTICAL GROUND WIRE AND ASSOCIATED HARDWARE FOR THE  
LAFRANIER/BARLOW TRANSMISSION LINE UPGRADE PROJECT.**

March 15, 2016  
15-0799.01

Mr. Pete Schimpke  
Traverse City Light & Power  
1131 Hastings Street  
Traverse City, MI 49686

**RE: LaFranier Road 69kV Transmission Line  
OPGW Bid Evaluation & Recommendation**

Dear Pete:

GRP Engineering, Inc. has completed our evaluation of the optical ground wire (OPGW) bid received for the LaFranier Road Transmission Line project. Bids for the 20,200' of OPGW and associated hardware were requested from a single vendor, Power Line Supply (PLS). All OPGW currently on TCL&P's transmission system is AFL Alumacore 24 strand fiber supplied by PLS. Bids for "or equals" historically have not been requested as this is a specialty item that TCL&P does not wish to stock spare material from several different manufacturers.

<u>Item</u>	<u>Price</u>
OPGW	\$26,260.00
Hardware	<u>\$17,141.11</u>
Total	\$43,401.11

Although an estimate for this particular group of items was not separated in the project cost estimate, the cost of the OPGW is 14% lower than what was estimated. GRP Engineering, Inc. recommends that TCL&P accept the bid from PLS for the OPGW and associated hardware. Please contact me should you have any additional questions regarding this evaluation and recommendation.

Sincerely,  
**GRP Engineering, Inc.**



Michael P. McGeehan, P.E.  
Project Manager

cc: Traverse City Light & Power  
Mr. Tim Arends

FOR THE LIGHT & POWER BOARD MEETING OF MARCH 22, 2016



TRAVERSE CITY  
LIGHT & POWER

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**To:** Light & Power Board  
**From:** Karla Myers-Beman, Controller  
**Date:** March 15, 2016  
**Subject:** Electric Fund Budget

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In accordance with City Charter Chapter XVIII, section 179 (o), the 2016-17 Electric Fund Operating Budget must be submitted to the City Commission by its last meeting in April.

The Electric Fund was reviewed by the Board at the last meeting, March 8, 2016 and no changes have been made since the initial presentation. The budget is attached for your reference.

Included with the adoption of the budget staff understands the Board would like to select the ten year amortization based on the market value of assets option for contributions into the Municipal Employees' Retirement System ("MERS"). This selection does not directly affect the income statement, but rather the Utility's cash flow statement. Additionally, this will be reviewed by staff and brought to the Board during the budget process on an annual basis going forward.

Staff recommends that the Board approve submittal of the 2016-17 Electric Fund Budget to the City Commission for its consideration.

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**

**LIGHT & POWER BOARD APPROVES SUBMITTAL OF THE 2016-17 ELECTRIC FUND OPERATING BUDGET AS PRESENTED TO THE CITY COMMISSION FOR ITS CONSIDERATION. IN ADDITION, THE BOARD DIRECTS STAFF TO CONTRIBUTE INTO THE RETIREMENT SYSTEM BASED ON THE TEN YEAR AMORTIZATION CALCULATED ON THE MARKET VALUE OF ASSETS OPTION PROVIDED BY MERS.**



City of Traverse City, Michigan  
**TRAVERSE CITY LIGHT & POWER DEPARTMENT**  
**2016-17 Budgeted Revenues and Expenses Summary**

	FY 13/14 Actual	FY 14/15 Actual	FY 15/16 Budget	FY 15/16 Projected	FY 16/17 Requested
<b>Operating Income:</b>	\$ 35,292,126	\$ 37,143,589	\$ 35,928,700	\$ 35,697,300	\$ 37,091,900
<b>Operating Expenses:</b>					
<b>Generation Expenses:</b>					
Capacity	\$ -	\$ 12,000	\$ 672,000	\$ 539,000	\$ 745,000
Purchased Power - MISO	128,612	(358,421)	257,800	817,000	1,401,000
Purchased Power - Lansing BWL	5,950,586	5,675,258	3,091,000	2,874,000	0
Stoney Corners - Wind Energy	2,890,566	2,819,687	3,257,000	3,227,500	3,170,000
Combustion Turbine Power Cost	3,081,983	3,364,832	4,714,000	3,840,600	4,272,000
Campbell #3 Power Cost	5,372,167	4,850,934	4,580,000	4,066,600	4,412,000
Belle River #1 Power Cost	5,191,796	5,349,402	4,364,000	3,770,000	4,187,000
Landfill Gas - Granger Project	396,367	494,766	1,127,000	800,000	1,118,000
M-72 Wind Turbine	-	8,890	42,000	37,000	37,000
Bilateral Contracts	3,345	292,322	2,357,000	2,522,000	4,286,000
Other Generation Expenses	203,704	345,503	317,100	357,550	449,650
<b>Total Generation Expenses</b>	<b>23,219,126</b>	<b>22,855,173</b>	<b>24,778,900</b>	<b>22,851,250</b>	<b>24,077,650</b>
<b>Distribution Expenses:</b>					
Operations & Maintenance	3,355,752	3,530,929	3,976,150	4,011,750	3,886,250
<b>Transmission Expenses:</b>					
Operations & Maintenance	299,449	406,584	359,300	401,300	437,000
<b>Other Operating Expenses:</b>					
Metering & Customer Accounting	479,851	568,692	521,500	548,050	559,350
Conservation & Public Services	440,260	513,302	679,400	607,520	486,000
Administrative & General	753,148	834,938	901,800	946,950	1,187,800
Insurance	59,502	57,875	63,000	63,000	65,500
Depreciation Expense	2,027,184	2,157,940	2,150,000	2,300,000	2,525,000
City Fee	1,775,851	1,863,259	1,801,000	1,790,000	1,870,000
<b>Total Other Operating Expenses</b>	<b>5,535,796</b>	<b>5,996,006</b>	<b>6,116,700</b>	<b>6,255,520</b>	<b>6,693,650</b>
<b>Total Operating Expenses</b>	<b>32,410,123</b>	<b>32,788,692</b>	<b>35,231,050</b>	<b>33,519,820</b>	<b>35,094,550</b>
<b>Operating Income</b>	<b>\$ 2,882,003</b>	<b>\$ 4,354,897</b>	<b>\$ 697,650</b>	<b>\$ 2,177,480</b>	<b>\$ 1,997,350</b>
<b>Non Operating Revenues/(Expenses):</b>					
Non Operating Revenues	1,149,156	544,543	456,750	484,200	369,200
Non Operating Expenses	-	(428,620)	-	-	-
<b>Total Non Operating Revenue</b>	<b>1,149,156</b>	<b>115,923</b>	<b>456,750</b>	<b>484,200</b>	<b>369,200</b>
<b>OTHER FINANCING SOURCES:</b>					
Transfers in	-	-	-	175,000	175,000
<b>Net Income</b>	<b>\$ 4,031,159</b>	<b>\$ 4,470,820</b>	<b>\$ 1,154,400</b>	<b>\$ 2,836,680</b>	<b>\$ 2,541,550</b>

City of Traverse City, Michigan  
**TRAVERSE CITY LIGHT & POWER**  
 2016-17 Budgeted Revenues and Expenses

	FY 13/14 Actual	FY 14/15 Actual	FY 15/16 Budget	FY 15/16 Projected	FY 16/17 Requested
<b>OPERATING REVENUES:</b>					
Residential Sales	\$ 6,382,044	\$ 6,612,011	\$ 6,338,000	\$ 6,100,000	\$ 6,375,000
Commercial Sales	15,612,427	16,392,293	15,766,500	15,300,000	16,150,000
Industrial Sales	9,950,825	10,788,926	10,040,000	9,800,000	10,770,000
Public Authority Sales	296,800	317,521	286,000	300,100	315,000
Street Lighting Sales	195,178	199,517	195,000	195,000	195,000
Yard Light Sales	79,551	86,531	82,000	80,000	82,000
Forfeited Discounts	57,695	73,522	60,000	70,000	70,000
Merchandise and Jobbing	43,443	115,918	187,000	281,500	64,200
Recovery of Bad Debts	188	30	200	200	200
Sale of Scrap	34,332	30,804	35,000	35,000	35,000
Miscellaneous Income	37,383	42,535	38,500	33,000	33,000
Refunds and Rebates	1,413	2,481	500	2,500	2,500
MISO Revenue	2,600,847	2,481,500	2,900,000	3,500,000	3,000,000
<b>TOTAL OPERATING REVENUES</b>	<b>\$ 35,292,126</b>	<b>\$ 37,143,589</b>	<b>\$ 35,928,700</b>	<b>\$ 35,697,300</b>	<b>\$ 37,091,900</b>
<b>OPERATING EXPENSES:</b>					
<b>GENERATION-OPERATING &amp; MAINTENANCE:</b>					
Salaries and Wages	\$ -	\$ 104,905	\$ 125,400	\$ 116,000	\$ 152,100
Fringe Benefits	-	96,876	85,600	116,300	148,800
Wind Generation - Traverse	16,148	60	-	-	-
Trap and Transfer	74	95	250	250	250
Union Street Fish Ladder	-	-	250	250	250
Operation Supplies	653	470	1,000	1,000	1,000
Capacity Purchases	-	12,000	672,000	539,000	745,000
Purchased Power - MISO	128,612	(358,421)	257,800	817,000	1,401,000
Purchased Power - LBWL	5,950,586	5,675,268	3,091,000	2,874,000	-
Stoney Corners - Wind Energy	2,890,566	2,819,687	3,257,000	3,227,500	3,170,000
Combustion Turbine Power Cost	3,081,983	3,364,832	4,714,000	3,840,600	4,272,000
Campbell #3 Power Cost	5,372,167	4,850,934	4,580,000	4,066,600	4,412,000
Belle River #1 Power Cost	5,191,796	5,349,402	4,364,000	3,770,000	4,187,000
Landfill Gas - NANR & Granger Project	396,367	494,766	1,127,000	800,000	1,118,000
M72 Wind Turbine	-	8,890	42,000	37,000	37,000
Bilateral Contracts	3,345	292,322	2,357,000	2,522,000	4,286,000
<i>Total Purchased Power</i>	<i>23,015,422</i>	<i>22,509,670</i>	<i>24,461,800</i>	<i>22,493,700</i>	<i>23,628,000</i>
<i>Purchased Power Cost as % of Sales</i>	<i>70.78%</i>	<i>65.44%</i>	<i>74.79%</i>	<i>70.79%</i>	<i>69.73%</i>
Coal Dock	8,075	9,367	2,500	2,500	-
Communications	421	1,084	1,500	250	250
Meal Payments	-	80	200	200	200
Safety	2,765	2,201	3,500	3,500	3,500
Tools	38	-	500	500	500
Professional and Contractual	174,219	113,124	68,000	94,000	110,000
Transportation	-	9,618	11,500	8,000	9,800
Professional Development	1,311	-	2,000	2,000	2,000
Uniforms	-	2,156	2,500	3,500	3,500
Vehicle Rentals	-	8,243	12,400	9,300	17,500
Miscellaneous	-	(2,776)	-	-	-
<b>Total Generation O &amp; M</b>	<b>23,219,126</b>	<b>22,855,173</b>	<b>24,778,900</b>	<b>22,851,250</b>	<b>24,077,650</b>

City of Traverse City, Michigan  
**TRAVERSE CITY LIGHT & POWER**  
 2016-17 Budgeted Revenues and Expenses

	FY 13/14 Actual	FY 14/15 Actual	FY 15/16 Budget	FY 15/16 Projected	FY 16/17 Requested
<b><u>DISTRIBUTION OPERATION &amp; MAINTENANCE:</u></b>					
Salaries and Wages	-	1,223,372	1,550,600	1,186,000	1,247,000
Fringe Benefits	-	1,077,958	1,100,400	1,155,900	1,200,650
Office Supplies	4,404	2,176	4,700	2,500	4,000
Operation Supplies	36,281	38,101	40,000	40,000	40,000
Utilities	57,511	54,372	53,000	61,000	63,000
Meals and Payments	-	3,609	4,800	4,400	6,000
Communications	79,928	27,217	24,000	24,500	64,000
Software and Hardware	1,750	66,827	151,000	75,000	158,000
Supervision and Maintenance	618,832	-	-	-	-
Substation	109,084	219,685	123,900	70,000	119,900
Overhead Lines	418,792	160,495	175,800	175,800	181,000
Load and Dispatching	455,550	-	-	10,000	30,600
Storm Damage Contingency	118,025	-	50,000	450,000	100,000
Underground Lines	229,128	33,519	28,000	48,000	40,000
Customer Installations	21,334	-	-	-	-
Electric Meters	76,602	7,509	12,000	6,000	8,000
Street Lighting	317,487	250,383	244,000	215,000	204,000
Traffic Signal Oper. & Maint.	122,135	4,120	17,000	5,000	10,000
Radio Equipment	5,627	10,390	2,500	3,500	5,000
Plant & Structures	249,074	68,965	85,000	87,000	96,700
Shop Labor	152,496	-	-	-	-
Safety	79,753	34,205	45,000	34,500	38,000
Tools	14,242	13,599	20,000	35,000	20,000
Uniforms	-	18,318	16,150	29,750	23,000
Professional and Contractual	37,064	122,274	95,800	167,000	93,500
Rent Expense	1,536	1,688	2,000	1,700	2,000
Professional Development	138,936	35,788	66,000	55,000	60,000
Printing and Publishing	1,301	2,601	3,000	3,500	3,500
Transportation	-	29,496	35,000	26,700	29,000
Vehicle Rentals	-	11,036	21,000	28,500	28,900
Miscellaneous	332	539	500	500	500
Inventory Adjustments	8,548	12,687	5,000	10,000	10,000
<b>Total Distribution O &amp; M</b>	<b>3,355,752</b>	<b>3,530,929</b>	<b>3,976,150</b>	<b>4,011,750</b>	<b>3,886,250</b>
<b><u>TRANSMISSION OPERATIONS &amp; MAINTENANCE:</u></b>					
Salaries and Wages	-	287,792	219,500	263,000	279,000
Fringe Benefits	-	952	3,800	4,000	4,000
Supervision & Maintenance	109,335	-	-	-	-
Substation	8,646	13,725	25,000	16,000	16,000
Overhead Lines	(1,007)	10,364	10,000	21,000	21,000
Load and Dispatching	84,001	-	-	-	-
MISO Transmission	25,425	24,481	27,500	33,000	36,000
Tools	-	-	3,500	3,500	3,000
Professional and Contractual	-	-	5,000	-	15,000
Vehicle Rentals	-	-	-	800	1,000
Miscellaneous-MPPA Transmission Project	73,049	69,270	65,000	60,000	62,000
<b>Total Transmission O &amp; M</b>	<b>299,449</b>	<b>406,584</b>	<b>359,300</b>	<b>401,300</b>	<b>437,000</b>

City of Traverse City, Michigan  
**TRAVERSE CITY LIGHT & POWER**  
2016-17 Budgeted Revenues and Expenses

	FY 13/14 Actual	FY 14/15 Actual	FY 15/16 Budget	FY 15/16 Projected	FY 16/17 Requested
<b><u>METERING &amp; CUSTOMER ACCOUNTING:</u></b>					
Salaries and Wages	237,269	279,959	281,500	259,300	268,200
Fringe Benefits	132,343	162,424	123,000	131,150	134,700
Office Supplies	2,563	2,110	4,000	4,900	4,150
Communications	232	173	400	400	400
Meal Payments	90	20	200	200	200
Safety	570	2,979	3,200	3,500	3,500
Uniforms	588	1,638	3,600	3,500	3,000
Professional and Contractual	10,805	17,764	12,000	12,000	14,000
Postage	28,332	27,799	35,000	29,400	33,000
Uncollectable Accounts	29,816	37,912	10,000	38,000	38,000
Collection Costs	595	2,595	2,000	5,500	6,000
Data Processing	20,718	16,509	22,000	25,000	25,000
Transportation	3,722	3,055	4,200	6,800	8,500
Professional Development	610	320	6,500	6,500	2,500
Printing and Publishing	2,040	482	4,000	1,800	4,000
Vehicle Rentals	6,904	11,455	7,400	18,500	12,600
Miscellaneous	2,654	1,498	2,500	1,600	1,600
<b>Total Customer Accounting</b>	<b>479,851</b>	<b>568,692</b>	<b>521,500</b>	<b>548,050</b>	<b>559,350</b>
<b><u>CONSERVATION &amp; PUBLIC SERVICES:</u></b>					
Salaries and Wages	-	39,575	53,000	31,900	15,100
Fringe Benefits	-	28,427	29,900	20,770	11,100
Professional and Contractual	2,120	25,000	30,000	41,000	6,500
Contract Labor - Energy Optimization	-	(65,443)	-	30,950	-
Public Service & Communications	12,597	12,439	44,000	27,000	30,800
Community Services	50,564	1,866	500	32,200	34,000
Professional Development	-	102	5,000	-	3,000
Printing and Publishing	-	892	-	-	-
Vehicle Rentals	-	7,419	7,500	3,700	5,000
PA295 Energy Optimization Compliance	374,979	463,025	509,500	420,000	380,500
<b>Total Conservation &amp; Public Services</b>	<b>440,260</b>	<b>513,302</b>	<b>679,400</b>	<b>607,520</b>	<b>486,000</b>
<b><u>ADMINISTRATIVE AND GENERAL:</u></b>					
Salaries and Wages	294,004	362,235	367,300	374,250	521,000
Fringe Benefits	133,115	195,384	201,300	281,300	361,300
Office Supplies	11,177	5,207	9,000	5,200	5,200
Communications	12,636	5,030	3,500	3,200	3,500
Software and Hardware	-	16,350	22,200	15,000	22,500
Fees and Per Diem	64,362	57,668	67,000	65,000	66,300
Board Related Expenses	11,678	3,308	15,000	4,400	15,000
Professional & Contractual	141,522	101,647	106,300	106,300	83,300
Legal Services	53,312	49,631	60,000	56,000	63,200
Employee Appreciation	9,129	11,813	9,700	8,700	9,000
City Fee	1,775,851	1,863,259	1,801,000	1,790,000	1,870,000
Transportation	1,846	1,267	2,500	1,500	1,500
Professional Development	15,232	21,303	27,000	15,100	25,000
Printing & Publishing	4,798	3,436	6,000	4,000	6,000
Insurance and Bonds	59,502	57,875	63,000	63,000	65,500
Miscellaneous	337	659	5,000	7,000	5,000
Depreciation Expense	2,027,184	2,157,940	2,150,000	2,300,000	2,525,000
<b>Total Administrative and General</b>	<b>4,615,685</b>	<b>4,914,012</b>	<b>4,915,800</b>	<b>5,099,950</b>	<b>5,648,300</b>

City of Traverse City, Michigan  
**TRAVERSE CITY LIGHT & POWER**  
 2016-17 Budgeted Revenues and Expenses

	FY 13/14 Actual	FY 14/15 Actual	FY 15/16 Budget	FY 15/16 Projected	FY 16/17 Requested
Total Operating Expenses	32,410,123	32,788,692	35,231,050	33,519,820	35,094,550
Operating Income	\$ 2,882,003	\$ 4,354,897	\$ 697,650	\$ 2,177,480	\$ 1,997,350
<b><u>NON OPERATING REVENUES/(EXPENSES):</u></b>					
Rents and Royalties	\$ 47,282	\$ 49,046	\$ 44,350	\$ 44,500	\$ 40,700
Pole Rentals	35,931	42,180	34,600	33,700	36,500
Reimbursements	616,140	143,048	102,800	204,000	72,000
Interest & Dividend Earnings	402,872	310,269	250,000	200,000	170,000
Gain/(Loss) on Sale of Fixed Assets	46,931	(428,620)	25,000	2,000	50,000
Total Non Operating Revenue/(Expense)	1,149,156	115,923	456,750	484,200	369,200
Net Income before Transfers	\$ 4,031,159	\$ 4,470,820	\$ 1,154,400	\$ 2,661,680	\$ 2,366,550
<b><u>OTHER FINANCING SOURCES:</u></b>					
Operating Transfers In	-	-	-	175,000	175,000
Net Income	\$ 4,031,159	\$ 4,470,820	\$ 1,154,400	\$ 2,836,680	\$ 2,541,550

## Traverse City Light & Power

### Cash Flow Forecast - Market Value of Assets - 10 year amortization

Fiscal Year:	Actual 2014/15	Projected 2015/16	Estimate 2016/17	Estimate 2017/18	Estimate 2018/19	Estimate 2019/20	Estimate 2020/21
<b>Receipts</b>							
Charges for Services	34,396,799	31,775,100	33,887,000	34,564,740	35,256,035	35,961,155	36,680,379
Other Operating Revenues	2,746,790	3,922,200	3,204,900	3,268,998	3,334,378	3,401,066	3,469,087
Non Operating Revenues	544,543	484,200	369,200	376,584	384,116	391,798	399,634
Transfers in	-	175,000	175,000	175,000	150,000	150,000	150,000
<b>Total Receipts</b>	<b>37,688,132</b>	<b>36,356,500</b>	<b>37,636,100</b>	<b>38,385,322</b>	<b>39,124,528</b>	<b>39,904,019</b>	<b>40,699,099</b>
<b>Payments</b>							
Generation Expense	22,855,173	22,851,250	24,077,650	24,559,203	25,050,387	25,551,395	26,062,423
Distribution Expense	3,530,929	4,011,750	3,886,250	3,963,975	4,043,255	4,124,120	4,206,602
Transmission Expense	406,584	401,300	437,000	445,740	454,655	463,748	473,023
Metering & Customer Accounting	568,692	548,050	559,350	570,537	581,948	593,587	605,458
Conservation & Public Service	513,302	607,520	486,000	495,720	505,634	515,747	526,062
Administrative & General	834,938	946,950	1,187,800	1,211,556	1,235,787	1,260,503	1,285,713
Insurance	57,875	63,000	65,500	66,810	68,146	69,509	70,899
City Fee	1,863,259	1,790,000	1,870,000	1,907,400	1,945,548	1,984,459	2,024,148
GASB 68 Adjustment	(383,350)	(490,284)	775,330	790,837	806,654	822,787	839,242
Capital Investments	6,214,308	6,137,000	7,746,500	8,186,000	8,800,000	4,090,000	4,275,000
<b>Total Payments</b>	<b>36,461,710</b>	<b>36,866,536</b>	<b>41,091,380</b>	<b>42,197,778</b>	<b>39,492,013</b>	<b>39,475,854</b>	<b>40,368,571</b>
<b>Cashflow Surplus/Deficit (-)</b>	<b>1,226,422</b>	<b>(510,036)</b>	<b>(3,455,280)</b>	<b>(3,812,456)</b>	<b>(367,485)</b>	<b>428,165</b>	<b>330,529</b>
<b>Opening Cash &amp; Investments Balance</b>	<b>21,091,983</b>	<b>22,318,405</b>	<b>21,808,369</b>	<b>18,353,089</b>	<b>14,540,633</b>	<b>14,173,148</b>	<b>14,601,313</b>
<b>Closing Cash &amp; Investments Balance</b>	<b>22,318,405</b>	<b>21,808,369</b>	<b>18,353,089</b>	<b>14,540,633</b>	<b>14,173,148</b>	<b>14,601,313</b>	<b>14,931,842</b>
<b>Reserved Cash &amp; Investment Balance</b>	<b>9,200,000</b>	<b>9,350,000</b>	<b>9,525,000</b>	<b>9,700,000</b>	<b>9,800,000</b>	<b>9,900,000</b>	<b>10,000,000</b>
<b>Unreserved &amp; Undesignated Cash &amp; Investment Balance</b>	<b>13,118,405</b>	<b>12,458,369</b>	<b>8,828,089</b>	<b>4,840,633</b>	<b>4,373,148</b>	<b>4,701,313</b>	<b>4,931,842</b>

#### Notes and Assumptions

Trust fund will be depleted at end of fiscal year and power cost recovery will increase revenues by \$1,000,000 in 2016-17

Load growth increase of .5% per year

General inflation increase of 2% year

Estimated increased in purchase power (generation cost) of 2% year and increase in charges for services at 1.5% to cover increase in generation costs through the power cost recovery rate



TRAVERSE CITY  
LIGHT & POWER

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**To:** Light & Power Board  
**From:** Tim Arends, Executive Director  
**Date:** March 14, 2016  
**Subject:** River Road Service Area

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Recently, Traverse City Light & Power (“TCL&P”) staff met with General Counsel regarding franchise agreements in the utility’s service area. The focus was on agreements in Mayfield and Paradise Townships whose agreements are in need of renewal. Other agreements are not due to expire until the 2020’s. Services in Mayfield and Paradise comprise the customers along River Road. This distribution line extends from the end of Cass Road to what was Brown Bridge Dam. The line originated for the purpose to have energy generated from the dam flow into TCL&P’s system. Since the dam was removed in 2012 that need no longer exists and I believe a discussion should occur if TCL&P should continue to maintain and own this distribution circuit.

A few months ago, I approached Cherryland Electric Cooperative (“Cherryland”) and asked if they would be interested in acquiring this line segment, and its corresponding customers, into its system. For Cherryland it could provide the opportunity to create a reliability redundancy on its system (from Garfield to Keystone), along with gaining those customers served by the line.

The General Manager of Cherryland discussed this idea with his Board and they are receptive to the idea, but wanted confirmation from the TCL&P Board if it was interested in furthering the discussion.

The following are options for the Board to consider if it agrees the idea is worth pursuing (these options are not all inclusive of the possibilities):

- Negotiate a sale price for a depreciated value of the line, along with the value of the added 117 customers it serves.
- Propose a “load swap” of customers that would give current Cherryland customers to TCL&P that are much closer to TCL&P’s utility’s service area, while selling a depreciated value of the line to Cherryland along with its right to serve those customers on River Road (this option would remove all TCL&P customers from Mayfield and Paradise Township’s and forever bar TCL&P from serving in those townships going forward, in accordance with state law).
- Enter into a 411 Agreement with Cherryland that give the customers to Cherryland and current Cherryland customers to TCL&P, a load swap. The 411 Agreement would further define TCL&P’s service area in the township’s it currently serves that would clearly define each utility’s right to serve within those boundaries. Similar to the 411

## FOR THE LIGHT & POWER BOARD MEETING OF MARCH 22, 2016

Agreement the utility has with Consumer's that give the exclusive right to TCL&P to serve within the city limits, with a couple exceptions.

Staff's preference would be in pursuing a load swap with Cherryland (not to include a 411 Agreement). This option would secure the revenue base of the utility going forward without impairing the utility to future expansion of its system in the contiguous townships surrounding the city. The River Road service area in 2015 had 117 customers, consuming 1,512,635 kWh's, generating \$169,194.82 in utility revenue.

Attached is a map of the service area in question.

As you know, the more outlying the service area the more expensive those customers are to serve. The River Road area is more a rural utility area in comparison to TCL&P's urban footprint. I believe a load swap would best serve both utilities and the customers that would be impacted by such a transaction.

Of course, this is just a discussion topic at this point. I will be looking for some direction from the Board on whether staff should pursue this idea or leave things as they are. If you direct staff to further pursue it we will need to know what direction those talks should take, or what other information you desire to give that direction.



**Legend**

**Overhead**

- Single Phase Delta
- Three Phase Open Delta
- Three Phase Wye Grounded
- Pole
- OH Switch
- Single Phase Primary Overhead
- Two Phase Primary Overhead
- Three Phase Primary Overhead
- Single Phase Secondary Overhead
- Three Phase Secondary Overhead
- Neutral
- OH Streetlight Conductor Duplex Wire

**Underground**

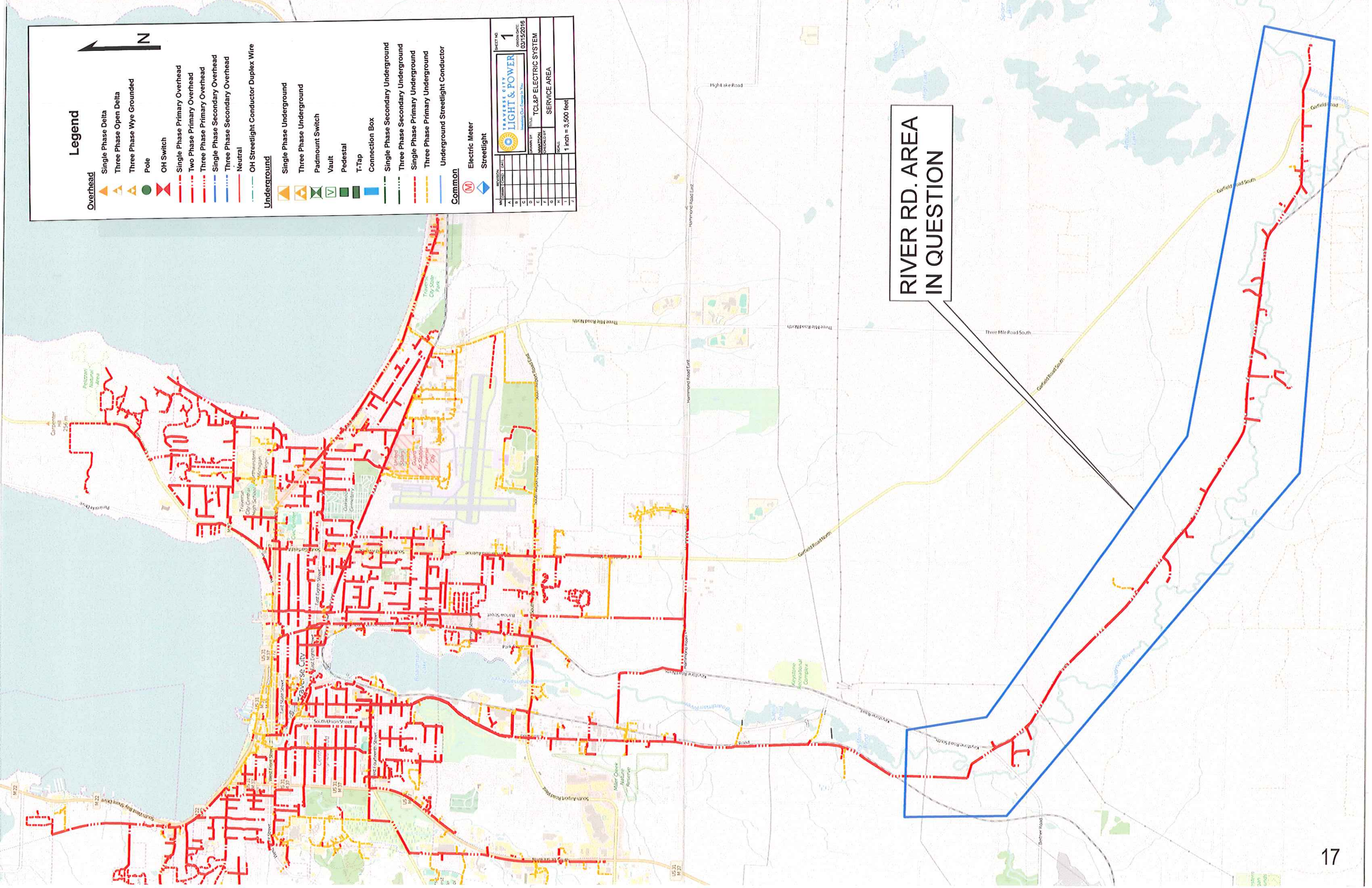
- Single Phase Underground
- Three Phase Underground
- Padmount Switch
- Vault
- Pedestal
- T-Tap
- Connection Box
- Single Phase Secondary Underground
- Three Phase Secondary Underground
- Single Phase Primary Underground
- Three Phase Primary Underground
- Underground Streetlight Conductor

**Common**

- Electric Meter
- Streetlight

PROJECT NO		1	
DATE		03/15/2016	
PROJECT TITLE		TCL&P ELECTRIC SYSTEM	
SERVICE AREA		RIVER RD. AREA	
SCALE		1 inch = 5,500 feet	

**RIVER RD. AREA  
IN QUESTION**





**TRAVERSE CITY  
LIGHT & POWER**

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**To:** Light & Power Board  
**From:** Karla Myers-Beman, Controller  
**Date:** March 14, 2016  
**Subject:** Annual report

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One goal within last year's strategic plan was for the development of an annual report that will provide a simplified report including financial, summary of accomplishments and benchmarking information for the utility's customers and other potential interested parties. This was not included in the current year strategic plan as it was expected the annual report would continue and become part of staff's regular duties.

Staff enhanced this year's report by providing readers rate information by utility along with performance benchmarking on financial, operating and other ratios. Each year staff will continually make improvements to the annual report and welcomes any suggestions for improvement.

Staff plans on submitting the annual report into APPA's annual program evaluation of municipal public power agency's annual reports in August. Additionally, staff will make this report available on the utility's website and a hard copy will be provided to the library and at the reference desk.

I would like to thank and give credit to Kelli Schroeder, Manager of Human Resources and Communications, for her assistance in developing this report.



# 2014-2015 Annual Report

*Traverse City Light & Power is focused on providing Public Power benefits of safety, lower rates, high reliability, local control and exceptional customer service to the City and its residents and all Traverse City Light and Power customers.*



*South Substation*

# Our Message

As we write this piece the U.S. Supreme Court recently placed the Environmental Protection Agency's ("EPA") Clean Power Plan ("CPP") legislation on hold. The CPP is a set of regulations that will limit carbon emissions from existing power plants. The underlying issue with this legislation is the unprecedented legal authority the EPA is expressing over regulating greenhouse gases. The legislation provides building blocks of how the reduction in carbon emissions should be achieved. They are 1) heat rate improvements at existing plants 2) conversion from coal to lower emitting natural gas power plants 3) increased deployment of renewable energy and 4) energy waste reduction efforts. The largest legal question over the CPP is if the EPA has legal authority to impose these regulations on the states. Regardless of the legislative/legal wrangling, Michigan utilities are planning to reduce their carbon footprint through the retirements of several aged coal fired plants, deploying renewable energy, reducing energy waste, and switching to lower carbon emitting natural gas fired power plants.



**John Taylor**  
Board Chairperson

At the local level, TCL&P has made great strides in providing safe and reliable electricity to its customers. After several community meetings with various community stakeholders the utility Board approved the West Side Transmission Line Upgrade Project, which commenced during the summer of 2015. This project required vast community input as the transmission line is located through one of Traverse City's natural preserves, Hickory Meadows, and a residential neighborhood. Community members questioned if there were viable alternatives to its current location. The Board ultimately approved upgrading the line in its current location. This project is one of the last steps in creating a fully looped system to allow for continuous service to the utility's customers if there was a single contingency event with one of the utility's other transmission lines.



**Timothy Arends**  
Executive Director

As for power supply, the utility completed an Integrated Resource Plan authored by RTD Consultants, LLC that provided several recommendations. However, the overall arching recommendation was for the utility to work in collaboration with the Michigan Public Power Agency ("MPPA"), an agency created for the benefit of all of the state's municipal utilities in creating opportunities for joint action that enable them to competitively provide reliable, cost effective and environmentally responsible electric utility services to their communities. Over this past year the utility has worked with MPPA in securing purchase power contracts for the coming years at a lower cost than is being purchased today. However, the expected increase in generating capacity costs for TCL&P will likely offset those savings.

Technology is the future of electric utilities! That is the reason that technology is a high strategic priority of TCL&P. The utility is gaining operating efficiencies through instantaneous data access and updates, and the ability to provide up to date accurate information through various channels that in the end will benefit the utility's customers. The utility completed implementing Milsoft Outage Management System, a key to customer communication by providing a pictorial view of where the outages are and locations of crews working on restoring power outages. This software system also provides efficiencies for staff in managing the outage by enabling faster, more accurate detection and analysis of response to individual and system wide disturbances. This was evident during the August 2015 wind storm in Traverse City. The utility is continually improving the outage management system with the implementation of IVR (Integrated Voice Response), an automated call handling system. Simultaneously with the outage management system, the utility continues to research Automated Metering Infrastructure for consideration of future implementation.

TCL&P continues to create a long-term plan designed to implement programs and/or incentives that will manage load growth aimed at reducing peak demand. These programs will be implemented to achieve maximum energy efficiency outcomes for the financial benefit of all rate payers. Simply put, the lowest cost energy is the energy that is not needed.

Please know TCL&P is committed to the community by providing the public power benefits of safety, lower rates, high reliability, local control and exceptional customer service.

# Our Year

## Safety

The 2014-15 fiscal year was another good year which included the implementation of the Storm Restoration Manual and a complete review by the Safety Committee of the 2015 APPA Safety Manual. The Safety Committee continually reviews the Safety Manual in an effort to include any necessary updates of safety practices performed by the utility. In addition, only one lost time accident occurred, remaining the same as the prior year.

The utility continues to make safety a priority and is proud of the efforts the employees put into creating and maintaining a culture of safety.

## Reliability

The utility invested in approximately \$150,000 in tree trimming which was 26 road miles and responded to 182 customer generated requests. A properly maintained right of way significantly reduces the length and occurrence of an outage. The utility's ASAI index (total of customer hours available divided by total customer hours demanded) in 2014 was 99.989%.

During the year, public meetings were held to discuss options and receive community input regarding the upgrade of the West Side Transmission Line. This upgrade was one of the final pieces the utility needed to have a complete looped transmission system, along with additional reliable sources of electrical power to the utility's distribution system, two from the south, one from the east and one from the west. After much community participation and discussion the Board agreed to upgrade the line to current day standards with the commencement of the construction occurring in July 2015.

In January 2015 the Utility substantially completed the construction of the South Substation. The South Substation was constructed to shorten distribution circuits and offload significant load in that area from the existing four distribution substations to improve system reliability. The substation is fully operational as of this writing.

## Financial

As a result of a cost of service study, the utility had its first base rate increase since 2008 which equated to an overall 1.5% increase that was implemented July 1, 2014. This action starts the gradual move to eliminate subsidization between the customer classes.

## Technology

TCL&P finished the construction of the WIFI project in the Downtown Development Authority ("DDA") district. This project was in collaboration with TCL&P and the Downtown Development Authority. This will allow community members and tourists the ability to connect to an open air Wi-Fi while enjoying what Traverse City's Downtown has to offer: beautiful beaches, parks and shops.

## Generation

The utility completed an Integrated Resource Plan that provided several recommendations for the utility to consider in the future. The overarching recommendation was for the utility to work in conjunction with the Michigan Public Power Association (MPPA) on seasonal purchases, firm energy contract purchases, development of a long-term capacity purchase and a renewable energy program, and acquire mid-range capacity.

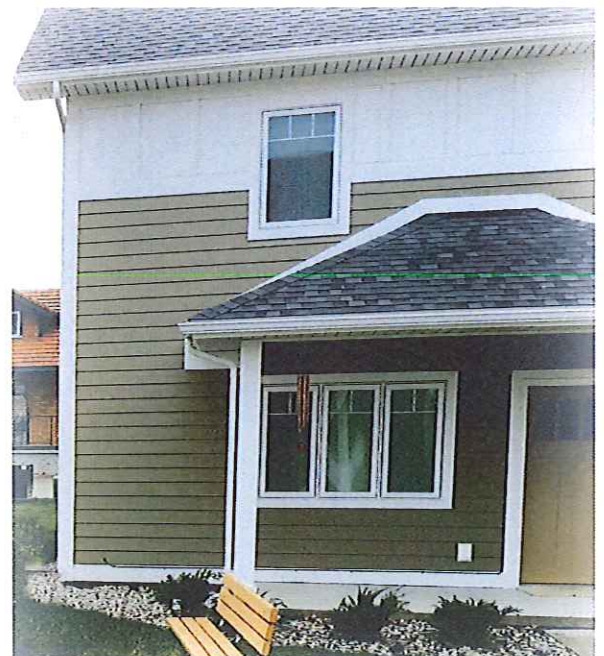
During the summer of 2015, the sale of the M-72 wind turbine was finalized. This was the first utility grade wind turbine in the United States when constructed in 1996. It was sold to Heritage Sustainable Energy LLC through a purchase contract in concert with a purchase power agreement allowing the energy to be sold back to the utility.

## Employees

TCL&P employs thirty-eight full-time employees. In fiscal year 2014-15 the utility had seven employees who were recognized for their years of service, whether it was 5, 10, 15, 20, 25 or 30 years. We also wished three employees a happy retirement.

# Energy Optimization

Through its customers engaging in energy optimization programs, TCL&P saved an additional 3 million in kWh's. This exceeded the state-mandated goal by 22%, saving enough electricity to power approximately 526 Traverse City area homes for an entire year! The savings were through free LED light bulbs and coupons for discounted LED and holiday light sets, incentives for purchasing ENERGY STAR® appliances, high efficiency HVAC systems, recycling old inefficient refrigerators, freezers, room air conditioners and dehumidifiers. In addition, business customers were offered incentives for upgrading equipment with greater energy efficiency including lighting, motors, air systems, refrigeration, HVAC units and building management systems. TCL&P was also a proud partner in the Habitat for Humanity net-zero Depot Housing Project and provided LED lighting and rebates for high efficiency appliances, HVAC systems and solar generation systems in all three homes. This project was a finalist of the Governor's Energy Efficiency Innovator Award.



# Balance Sheet

## Current assets

Cash and cash equivalents	\$ 9,098,003
Investments	13,220,402
Receivables	
Customer, less allowances of \$312,927	
for uncollectible accounts (Light and Power Fund)	3,324,609
Accrued interest	50,681
Taxes	18,663
Other	1,074,010
Inventories	1,736,452
Due from other funds	19,441
Prepaid expenses	17,808

**Total current assets** 28,560,069

## Non-current assets

Other postemployment benefit asset	1,149,539
Long-term advances - due from primary government	3,000
Asset held for sale	980,900
Land and land improvements	1,395,691
Construction in progress	5,043,136
Capital assets being depreciated, net	45,812,710

**Total non-current assets** 54,384,976

**Total assets** 82,945,045

Deferred outflows of resources - Pensions 640,900

## Current liabilities

Accounts payable	\$ 1,982,595
Accrued expenses and other liabilities	219,098
Customer deposits	98,386
Unearned revenue	34,840
Compensated absences	3,150
Due to other funds	19,441
Due to primary government	376,047

**Total current liabilities** 2,733,557

## Long-term liabilities

Compensated absences	153,528
Net pension liability	10,458,719

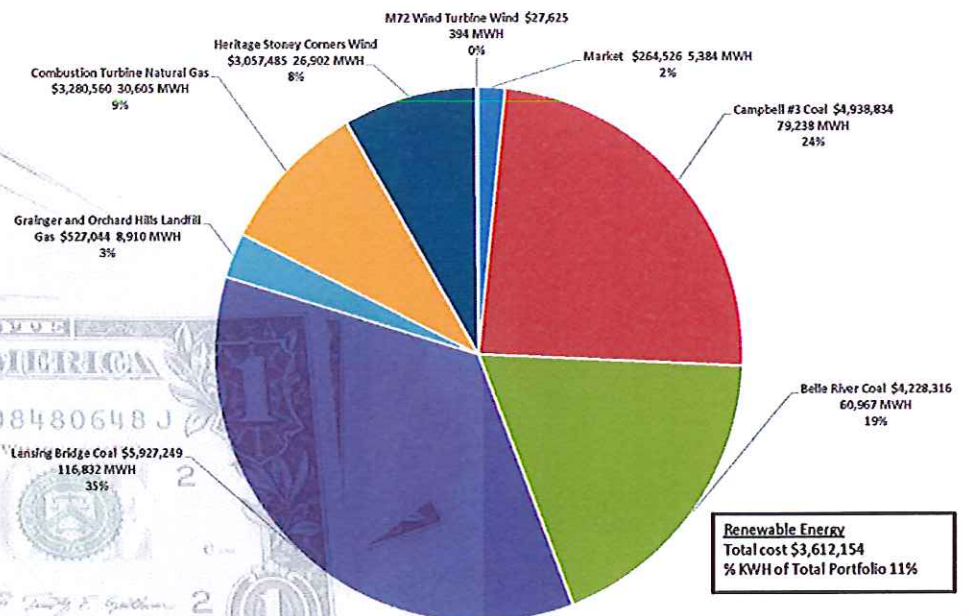
**Total liabilities** 13,345,804

## Net position

Invested in capital assets	52,251,537
Unrestricted	17,988,604

**Total net position** \$ 70,240,141

Traverse City Light and Power  
2015 Calendar Year Energy Consumption



# Revenue and Expenses

## Where Does it Go?

For every dollar paid to the utility, **64¢** is spent on purchased power and related transmission costs.

- 13¢ Capital Improvements
- 11¢ Distribution & Transmission
- 5¢ City Fee
- 3¢ General Administration
- 2¢ Customer Accounting
- 2¢ Public Service

**Commercial**  
**47.7%**

**Industrial**  
**31.3%**

**Where Does it  
Come From?**

**Residential**  
**19.2%**

**Public  
Authority**  
**1%**

**Street Lights  
& other**  
**.8%**

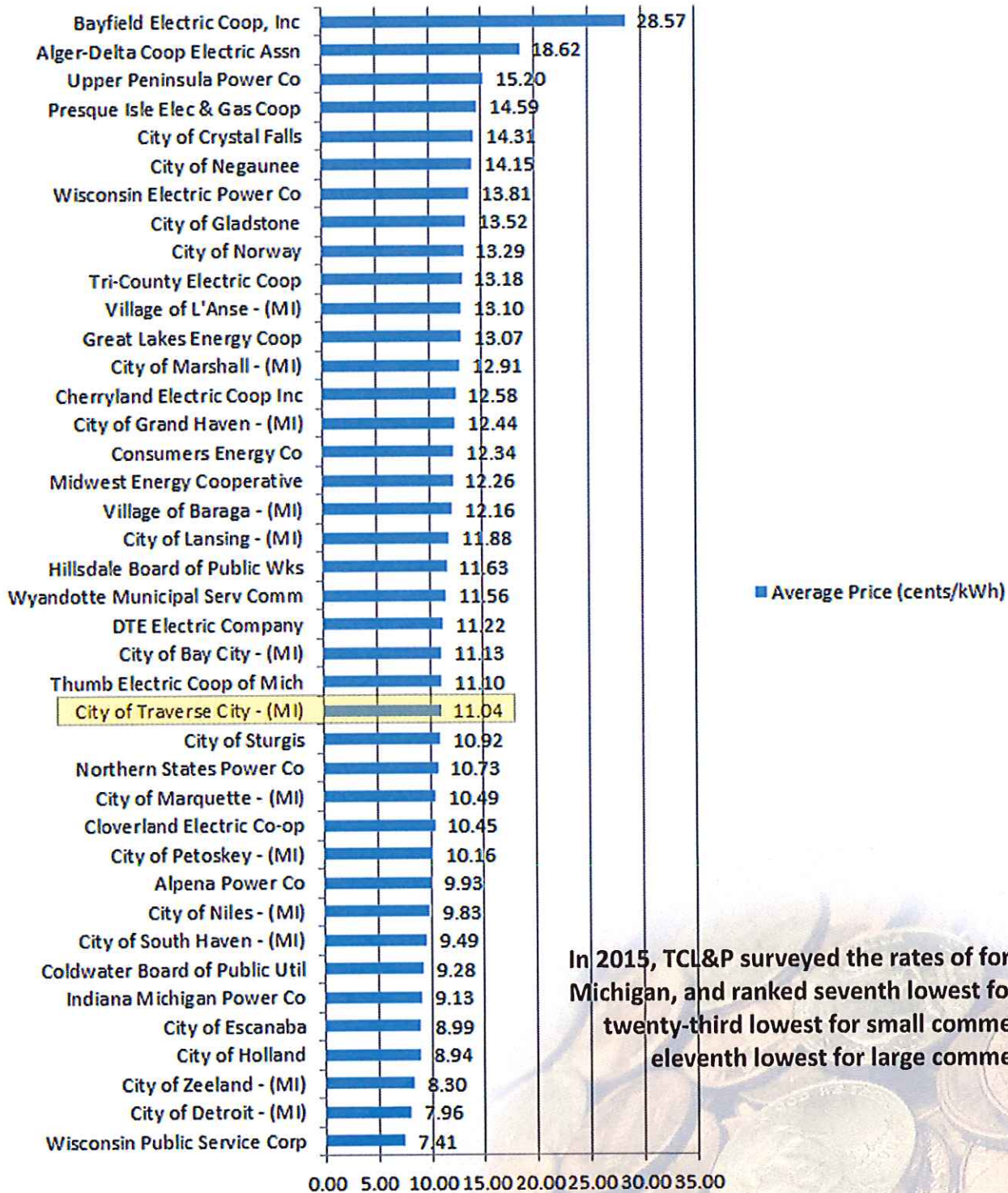
**319.7 million**  
kilowatt-hours  
purchased by our  
customers

	FYE 2015	FYE 2014
<b>Operating revenues</b>		
Charges for services	\$ 34,652,551	\$ 32,745,945
MISO income	2,481,500	2,600,847
Other	265,290	174,454
<b>Total operating revenues</b>	<b>37,399,341</b>	<b>35,521,246</b>
<b>Operating expenses</b>		
Generation	22,855,173	23,219,126
Distribution	3,530,929	3,355,752
Transmission	406,584	299,449
Customer accounting	568,692	479,851
Public service	513,302	440,260
General administration	834,938	753,148
Fiber	101,209	117,280
WIFI	23,225	-
Other	59,036	60,293
City fee	1,876,047	1,787,315
Depreciation	2,274,546	2,117,293
<b>Total operating expenses</b>	<b>33,043,681</b>	<b>32,629,767</b>
<b>Operating income</b>	<b>4,355,660</b>	<b>2,891,479</b>
<b>Nonoperating revenues</b>		
Rental income	91,226	83,213
Reimbursements	439,170	637,768
Interest income	251,071	342,589
Change in fair value of investments	59,202	60,450
Gain on sale of assets	(428,620)	46,931
<b>Total nonoperating revenue</b>	<b>412,049</b>	<b>1,170,951</b>
Change in net position	4,767,709	4,062,430
Net position, beginning of year, as restated	65,472,432	70,845,490
<b>Net position, end of year</b>	<b>\$ 70,240,141</b>	<b>\$ 74,907,920</b>



# Rate Comparison

**Average Price (cents/kWh)**  
**(Information obtained from EIA - 2014 data)**



In 2015, TCL&P surveyed the rates of forty utilities in Michigan, and ranked seventh lowest for residential, twenty-third lowest for small commercial, and eleventh lowest for large commercial.

# Financial, Operating & Other Ratios

(Fiscal Years Ending June 30, 2015, 2013, 2011 and 2009)

Ratio Description	2015	2013	2011	2009	2013 APPA 10,000-20,000 Customers
<b>FINANCIAL RATIOS</b>					
<b>Revenue per KWH*</b>					
* All Retail Customers	\$ 0.109	\$ 0.090	\$ 0.086	\$ 0.083	\$ 0.092
* Residential Customers	\$ 0.118	\$ 0.096	\$ 0.097	\$ 0.094	\$ 0.104
* Commercial Customers	\$ 0.118	\$ 0.099	\$ 0.094	\$ 0.092	\$ 0.095
* Industrial Customers	\$ 0.092	\$ 0.076	\$ 0.070	\$ 0.068	\$ 0.071
Debt to Total Assets	N/A	N/A	N/A	N/A	0.234
Operating Ratio	0.953	1.140	1.058	0.946	0.863
Current Ratio	10.64	9.58	14.37	13.28	2.65
Net income per revenue dollar	\$ 0.120	N/A	\$ 0.050	\$ 0.156	\$ 0.073
Uncollectible accounts per revenue dollar	\$ 0.0011	\$ 0.0010	\$ 0.0007	\$ 0.0018	\$ 0.0017
<b>OPERATING RATIOS</b>					
Retail customers per employee	330	305	271	286	399
Total OM expense per KWH sold	\$ 0.096	\$ 0.097	\$ 0.083	\$ 0.070	\$ 0.079
Total OM expense per retail customer	\$ 652	\$ 664	\$ 682	\$ 608	\$ 400
Total power supply expense per KWH sold	\$ 0.070	\$ 0.073	\$ 0.059	\$ 0.049	\$ 0.065
Purchased power cost per KWH	\$ 0.070	\$ 0.074	\$ 0.059	\$ 0.049	\$ 0.061
Retail customers per meter reader	4,986	4,740	5,951	4,732	5,769
Distribution OM expense per retail customer	\$ 283	\$ 295	\$ 275	\$ 226	\$ 155
Distribution expense per circuit mile	\$ 10,088	\$ 9,980	\$ 9,363	\$ 7,633	\$ 4,840
Customer accounting, service and sales expense per retail customer	\$ 46	\$ 44	\$ 46	\$ 47	\$ 48
Administrative and general expense per retail customer	\$ 67	\$ 81	\$ 111	\$ 94	\$ 143
<b>OTHER RATIOS</b>					
OSHA Incidence Rate	0%	N/A	N/A	N/A	2
Energy loss percentage	0.88%	-1.17%	-0.26%	-1.15%	3.66%
System Load Factor	49.75%	49.07%	51.37%	50.73%	56.10%

# Our Board

## About Us

Total Customers .....	12,500
Miles of OH/UG Line .....	439.5
Total Employees .....	38
Years in operation.....	102

TCL&P proudly serves Traverse City and parts of Blair, East Bay, Elmwood, Garfield, Paradise and Peninsula Townships.

- John Taylor, Board Chairman
- Jan Geht, Board Vice-Chairman
- Robert Spence III, Board Member
- Patrick McGuire, Board Member
- Jeff Palisin, Board Member
- Barbara Budros, City Commissioner
- Jim Carruthers, City Commissioner
- Penny Hill, Assistant City Manager

# Our Administrative Team

- Timothy Arends, Executive Director
- Stephanie Tvardek, Assistant
- Karla Myers-Beman, Controller
- Thomas Olney, Manager of Operations & Engineering
- Scott Menhart, Manager of Technology & Telecommunications
- Rodney Solak, Line Superintendent
- Blake Wilson, System Engineer
- Mark Watson, Field Engineering Supervisor
- Jessica Wheaton, Manager of Energy Services & Key Accounts
- Kelli Schroeder, Manager of HR & Communications

