

**Notice**  
**City of Traverse City and Charter Township of Garfield**  
**Recreational Authority Board of Directors**  
**Special Meeting**

7:00 p.m.

Wednesday, August 13, 2014

Visitor Center Meeting Room, Historic Barns Park  
1490 Red Drive  
Traverse City, MI 49684

Posted: 8-11-14

The Authority does not discriminate on the basis of disability in the admission or access to, or treatment or employment in, its programs or activities. Penny Hill, Assistant City Manager, 400 Boardman Avenue, Traverse City, Michigan 49684, 922-4440, TDD: 922-4412, has been designated to coordinate compliance with the non-discrimination requirements contained in Section 35.107 of the Department of Justice regulations. Information concerning the provisions of the Americans with Disabilities Act, and the rights provided thereunder, are available from the ADA Coordinator.

If you are planning to attend and you have a disability requiring any special assistance at the meeting and/or if you have any concerns, please immediately notify the ADA Coordinator.

Recreational Authority Board of Directors  
Matthew Cowall, Executive Director  
324 Munson Avenue  
Traverse City, MI 49686  
(231) 929-3696 TDD: (231) 922-4412  
<http://www.traverscitymi.gov/recauthority.asp>  
[mcowall@liaa.org](mailto:mcowall@liaa.org)

## Agenda

### Roll Call.

1. Consideration of approving the minutes of the regular meeting of July 2, 2014. (Matt Cowall)
2. Reports. (Matt Cowall et al)
  - Updates from Management Entities at Historic Barns Park (Botanic Garden, SEEDS)
  - Community Gardens
  - Grand Traverse Conservation District – Hickory Meadows
    - Review of new trail map for park kiosk
  - Any reports from Board members
  - Executive Director’s report and possible verbal updates
3. Updates on EPA Cleanup Grant activities at Historic Barns Park. (Matt Cowall, ECT)
4. Consideration of options for TCL&P power line at Hickory Meadows. (Matt Cowall, TCL&P, GRP Engineering)
5. Consideration of updated user agreements for Historic Barns Park. (Matt Cowall)
6. Consideration of solar power option for the agricultural well pump at Historic Barns Park. (Matt Cowall, SEEDS, TCCG)
7. Report regarding payment of expenditures. (Matt Cowall)
8. Public Comment.
9. Adjournment.

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The City of Traverse City and Charter Township of Garfield

## Communication to the Recreational Authority

FOR THE MEETING OF AUGUST 13, 2014

DATE: MONDAY, AUGUST 11, 2014

FROM: MATT COWALL, EXECUTIVE DIRECTOR

SUBJECT: MINUTES

Attached are the minutes of the regular meeting of July 2, 2014.

The following motion would be appropriate to approve the minutes:

**That the minutes of the regular meeting of July 2, 2014, be approved.**

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## **Minutes**

### **The City of Traverse City and Charter Township of Garfield Recreational Authority Board of Directors**

**July 2, 2014**

A regular meeting of the Recreational Authority Board of Directors was called to order in the Second Floor County Training Room, Governmental Center, 400 Boardman Avenue, Traverse City, Michigan, at 7:00 p.m.

The following Directors were present, constituting a quorum: Ross Biederman, Chair; Michael Groleau, Secretary (arrived 7:30 p.m.); Tim Hughes, Treasurer; Molly Agostinelli; Chris Bzdok; Jeanine Easterday; and Matt McDonough.

The following Directors were absent: None.

Chair Biederman presided at the meeting.

**1.**

The first item being “Consideration of approving the minutes of the regular meeting of June 4, 2014, and the special meeting of June 19, 2014,” Chair Biederman introduced this matter. The following individual addressed the Board:

Matt Cowall, Executive Director

Moved by Bzdok, seconded by Agostinelli, that the minutes of the regular meeting of June 4, 2014, and the special meeting of June 19, 2014, be approved.

CARRIED.

**2.**

The next item being “Consideration of user agreements for event space at Historic Barns Park,” Chair Biederman introduced this matter. The following individual addressed the Board:

Matt Cowall, Executive Director

No action was taken.

**3.**

The next item being “Consideration of fence replacement for Community Garden at Historic Barns Park,” Chair Biederman introduced this matter. The following individuals addressed the Board:

Matt Cowall, Executive Director  
Michael Haynes, TCCG  
Sarna Salzman, SEEDS

Moved by Agostinelli, seconded by Groleau, that the Community Garden fence design be approved up to 8 (eight) feet in height.

CARRIED.

**4.**

The next item being “Consideration of edible landscape plantings along Historic Barns Trail,” Chair Biederman introduced this matter. The following individuals addressed the Board:

Matt Cowall, Executive Director  
Michael Haynes, TCCG  
Karen Schmidt, BGHBP

No action was taken.

**5.**

The next item being “Reports,” Chair Biederman introduced this matter. The following individuals addressed the Board:

Matt Cowall, Executive Director  
Sarna Salzman, SEEDS  
Karen Schmidt, BGHBP  
Michael Haynes, TC Community Garden  
Tom Vitale, GTCD  
Emily Mitchell, Hickory Meadows Advisory Committee

Moved by McDonough, seconded by Agostinelli, that the Board's motion of June 4, 2014, authorizing the Chair and Secretary to execute an agreement for resource management services with Grand Traverse Conservation District, for it to provide such services at Hickory Meadows through June 30, 2017, at a rate of \$19,000 annually, with funds available in the Operating Fund, Professional Services Line Item, such contract subject to approval as to its substance by the Executive Director and its form by General Counsel be amended to a motion to waive the competitive bidding process and authorize the Chair and Secretary to execute an agreement for resource management services with Grand Traverse Conservation District, for it to provide such services at Hickory Meadows through June 30, 2017, at a rate of \$19,000 annually, with funds available in the Operating Fund, Professional Services Line Item, such contract subject to approval as to its substance by the Executive Director and its form by General Counsel.

CARRIED.

6.

The next item being "Report regarding payment of expenditures," Chair Biederman introduced this matter. The following individual addressed the Board:

Matt Cowall, Executive Director

No action was taken.

7.

The next item being "Public Comment," Chair Biederman introduced this matter. The following individuals addressed the Board:

None.

There being no objection, Chair Biederman declared the meeting adjourned at 8:35 p.m.

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Matt Cowall, Executive Director

DRAFT

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The City of Traverse City and Charter Township of Garfield

## Communication to the Recreational Authority

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FOR THE MEETING OF AUGUST 13, 2014

DATE: MONDAY, AUGUST 11, 2014

FROM: MATT COWALL, EXECUTIVE DIRECTOR

SUBJECT: REPORTS

Expected reports for Wednesday include:

- Updates from Management Entities at Historic Barns Park (Botanic Garden, SEEDS)
- Community Gardens
- Grand Traverse Conservation District – Hickory Meadows
  - Review of new trail map for park kiosk
- Any reports from Board members
- Executive Director's report and possible verbal updates

**Monthly Parkland Responsibilities**

Coordinated trail steward activities, performed routine maintenance on all trails, and performed trailhead maintenance tasks where appropriate.

**Nature Center Visitation this Month 565**

Program Participants this month 247  
Drop ins this month 318  
Nature Center Visitation this year 4,048  
Nature Center Visitation since 2008 52,953

Nature Center Visitation July 2013 622  
Program Participants July 2013 233  
Drop ins July 2013 389  
Nature Center Visitation to July 2013 5,437  
Nature Center Visitation since 2008 48,905

<b>Activity Detail</b>	<b>Conservation District Pillar</b>	<b>Location of activity</b>	<b>Property Owner</b>	<b>Staff Lead (Initials)</b>
Randolph trailhead repairs on ADA pathway at Hickory Meadows	Parklands (including Parklands-based ISN)	Hickory Meadows	Joint Recreational Authority	TV
Mowed meadows at Hickory Meadows	Parklands (including Parklands-based ISN)	Hickory Meadows	Joint Recreational Authority	NT/NB/Oleson's
Removed and cleared the cut scotch pines due to vandalism at Hickory Meadows	Parklands (including Parklands-based ISN)	Hickory Meadows	Joint Recreational Authority	TV

# Hickory Meadows

## "Pet-iquette"



The Grand Traverse County ordinance requires that dogs be kept under control and on a leash. Please help us continue to make this area a safe and enjoyable place to recreate by picking up after your pet and keeping them on a leash.

## Be a Good Steward



As a user of this natural area, you're the best eyes and ears on the ground to report issues and help keep our parkland beautiful for all to enjoy. Report issues to the Conservation District at (231) 941-0960 or visit [natureiscalling.org](http://natureiscalling.org).

## City of Traverse City & Charter Township of Garfield Recreational Authority's HICKORY MEADOWS

HILLS · MEADOWS · FOREST · POND

Located on the west side of Traverse City, this property features miles of trails that meander through meadows and upland forests. Activities include snowshoeing, hiking, and dog walking. Dogs must be leashed at all times.

Hickory Meadows is also great for taking in open space, scenic views, and wildlife viewing.



## Share the Trail



Invasive garlic mustard is just popping up in the County and can crowd out native wildflowers, like trillium and violets, and prevents the growth of forest tree seedlings. Please help us protect wildlife habitat by reporting all sightings to the Conservation District at (231) 941-0960.

## Rules

- No camping or fires.
- Stay on designated trails; respect special access restrictions.
- No horse traffic or motorized vehicles, except authorized management purposes.
- **Dogs must be kept under control; pick up and dispose of waste properly. Bags are provided at trailheads.**
- No hunting/trapping. Fishing is allowed following the laws of the State and the rules of the MDNR.
- No plants or other specimens are to be removed unless authorized by management.
- No littering, dumping of yard waste, or household trash.
- **No person shall damage, deface, or destroy any public owned property within Hickory Meadows.**
- No glass containers or alcoholic beverages.
- No paintball.

## History of Hickory Meadows



Before European settlement, Hickory Meadows contained upland forests and wooded swamp wetlands. The vegetation remained unspoiled until the mid-1800's, when settlers began clearing the land for logging. Following this period of logging, the non-sloping areas were used extensively for traditional agriculture (grazing, crop cultivation, and orchards). Plat Maps from 1905 show that T.A. Hitchcock owned a large parcel that included the lower half of the Hickory Meadows property. The northern half of Hickory Meadows was owned by the Cherry Valley Fruit Farm. On the eastern side of the property, G.W. McWethley, G. Pubus, and Anna Koenig owned separate portions. In the 1930's, Gerald and Francis Oleson purchased ~130 acres from Ramsdell Farm that included Hickory Meadows.

Surrounding Wayne Hill, Mr. Oleson grew mostly tart and sweet cherries for their grocery stores, along with some peaches and apples. He later planted the fields with cabbage, tomatoes, and squash. In the 1950's, Mr. Oleson planted alfalfa in the fields to feed the growing buffalo herd that had expanded to over 900. The Oleson family graciously allowed passive, non-motorized access to the public in their fields for many decades. Over the years, this property became a well-known "secret" place to enjoy biking, hiking, and dog walking. The Oleson family still reserves the option to harvest the alfalfa from these fields until 2024 to feed their herd of over 600. Gerald Oleson eventually took out the trees and Wayne Hill was developed into apartments and housing, and several acres were donated to Willow Hill School to use as the playground.



Gerald Oleson

Conservation efforts for this meadow actively began in 1999. In 2003, the Oleson family granted an option to purchase this 112.5-acre property to the Grand Traverse Regional Land Conservancy. With the creation of the City of Traverse City and Charter Township of Garfield Recreational Authority, the Friends for Recreational Lands embarked upon a millage campaign asking the public to purchase three properties: Hickory Meadows, the historic barns and surrounding property at the Grand Traverse Commons, and the last privately held parcel on West Bay in the "Open Space" area. In November 2004, the public voted overwhelmingly "Yes/Yes!" to the Open Space and Natural Areas Proposals to both purchase the three properties and to provide operating funds for 20 years for their stewardship. Together these three properties provide more than 160 acres of open space, scenic view preservation, wildlife habitat, and natural areas. Please enjoy and respect these properties.

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The City of Traverse City and Charter Township of Garfield

## Communication to the Recreational Authority

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FOR THE MEETING OF AUGUST 13, 2014

DATE: MONDAY, AUGUST 11, 2014

FROM: MATT COWALL, EXECUTIVE DIRECTOR

SUBJECT: UPDATES ON EPA CLEANUP GRANT ACTIVITIES AT  
HISTORIC BARNS PARK

Activities under the U.S. EPA Brownfield Cleanup Grant have begun in earnest. Representatives from the Authority's environmental consultant, ECT, will be in attendance on Wednesday to discuss the overall scope of work and schedule.

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The City of Traverse City and Charter Township of Garfield

## Communication to the Recreational Authority

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FOR THE MEETING OF AUGUST 13, 2014

DATE: MONDAY, AUGUST 11, 2014

FROM: MATT COWALL, EXECUTIVE DIRECTOR

SUBJECT: CONSIDERATION OF OPTIONS FOR TCL&P TRANSMISSION  
LINE AT HICKORY MEADOWS

Tim Arends from TCL&P and Michael McGeehan from GRP Engineering will be in attendance to provide updates on the outreach process regarding the transmission line that runs through Hickory Meadows. We will also review the project options that are currently on the table (i.e., rebuild in place, reroute to M-72, or underground) and solicit ideas for any other options to consider. The same information is being solicited from other stakeholders. The aim for TCL&P is to finalize a list of options that can then be formally investigated and priced out.

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UNIVERSITY OF CALIFORNIA  
STATE OF CALIFORNIA



WAYNE

MCCOBBE

EAST TRVERSE



TRAVERSE CITY  
LIGHT & POWER

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To: Light & Power Board  
From: Tim Arends, Executive Director  
Date: June 18, 2014  
Subject: Hall to Gray Substation Transmission Line Upgrade Justification

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Attached for your review is written justification for the need to upgrade the Hall to Gray Substation transmission line that currently runs along Wayne Street and through Hickory Meadows and Hickory Hills. Also attached is a map of the various high voltage lines that run through the area. The blue dashed line is that section of the Hall to Gray Substation transmission line that was undergrounded in recent years.

I have included in your packet a letter sent to the Slabtown Neighborhood that identifies the process for making a decision on the transmission line. At your meeting on Tuesday, the presentation is to focus only on the need for the transmission line, and whether to upgrade that line to current day standards. Michael McGeehan of GRP Engineering, Inc. will be in attendance to support its recommendation to upgrade the line in the best interests of TCL&P, and to answer any of the Board's questions.

At this meeting staff is seeking direction from the Board on whether to pursue upgrading the transmission line as identified in the capital plan. If the Board provides that direction, I will proceed with the next steps of the process in coming to a decision of how and where to upgrade the transmission line.

To: Tim Arends  
Firm: TCL&P  
From: Michael P. McGeehan

Client: TCL&P  
Project Name: Miscellaneous Engineering  
Project No: 13-0576.01  
Issue Date: April 28, 2014

Subject: Gray Road – Hall Street Transmission Line

Background

The Gray Road – Hall Street 69kV transmission line (originally referred to as the "Grawn Line") was designed in 1958 and constructed in 1959. Line design met the requirements of the National Electrical Safety Code (NESC) in place at that time. The NESC is the code that governs the design of overhead transmission lines including horizontal and vertical clearances to the ground and adjacent structures. The line was insulated for and operates at a voltage of 69,000-volts. Transmission conductor is #4/0 ACSR and had an original design thermal rating (ampacity) of 105A (13MVA). A thermal upgrade study was completed in 2009 and line modifications were finalized in 2010 to increase the conductor rating to a maximum of 381A (45MVA) at peak summer conditions. Current peak system for TCL&P is 603A (72MVA), therefore the line is rated to support 63% of TCL&P system load.

This transmission line has been in operation for 55 years which is well in excess of the typical 30 – 40 year typical lifespan. It is the oldest section of transmission line on TCL&P's system. Poles, conductor and hardware are original (circa 1959) with the exception of two poles added and three poles replaced as part of the thermal upgrade completed in 2010. Although overhead electric systems including poles, conductor and hardware generally last longer than expected, this line is well beyond its anticipated useful life. Pole testing is scheduled to be completed in spring 2014 to determine if any poles require immediate replacement. Testing and analysis of hardware and conductor is not practical and therefore has not occurred. Aluminum conductor does lose strength over time due to conductor heating and no analysis has been completed to determine the extent of loss of conductor strength.

This transmission line is one of the four 69kV connections for TCL&P to the regional 138kV transmission system. [REDACTED 1] Currently three of the 69kV lines are in service [REDACTED 2], and the fourth is scheduled to be in service May 2014.

Analysis

The Midcontinent Independent System Operator (MISO) is the Regional Transmission Organization that manages the transmission system assets of TCL&P and insures the infrastructure meets North American Electric Reliability Corporation (NERC) criteria. NERC is the entity that enforces reliability standards and completes assessments of the bulk electric system, including transmission lines, all under the oversight of the Federal Energy Regulatory Commission (FERC.) A key requirement for the TCL&P 69kV transmission system is that it must be operating as a looped system to insure reliability and provide support to the bulk electric system. Currently there are two 69kV lines serving the TCL&P system from the south out of Grand Traverse Substation. One of these lines is looped to Gray Road Substation through the Gray Road – Hall Street Transmission Line. The second 69kV line will be connected into a separate loop with the completion of the East Hammond Substation and associated transmission line. Therefore, the Gray Road – Hall Street Transmission Line must remain in service to keep the TCL&P transmission system within the MISO

requirements. MISO has also flagged this transmission line in the past as needing to be rebuilt based on load, age and single-contingency planning. Single-contingency refers to the loss of one piece of equipment (e.g. pole/structure, breaker, transformer) on a particular transmission line segment. Should TCL&P chose to not rebuild, MISO may force TCL&P to rebuild or remove it from MISO.

The two existing 69kV transmission lines serving TCL&P's system from Grand Traverse Substation occupy the same structures (poles) for a distance of 1.6 miles. [REDACTED 3] In the event of the loss of one transmission structure within this section of line, both transmission circuits from Grand Traverse Substation would be out of service. This single contingency outage (loss of one structure) produces a loss of two transmission lines. The remaining transmission source into TCL&P's system would be the line from East Hammond Substation. Although this line is being constructed to handle 100% of TCL&P load under peak conditions, the existing 69kV transmission lines interconnecting TCL&P's four distribution substations are not sized to handle full system load. Therefore, load shedding (customer outages) would occur under a single contingency situation if the Gray Road - Hall Street line is out of service or is unreliable. These outages would be lengthy as spare structures for the double-circuit line are not stocked by TCL&P.

#### Planned Upgrades

Reconstruction of the Gray Road - Hall Street 69kV transmission line will include replacement of all wood poles, insulators, conductor, plus associated hardware, guying, and anchoring. Poles will generally be replaced in the same location, although revised pole spacing will occur where it makes good engineering and practical sense. Poles will be taller due to increased conductor sag with the proposed #795 ACSS conductor. This increased height will provide the NESC required clearances over ground features plus distribution circuits, and joint-use (phone, cable, etc.) lines on the same poles. Line design will give preference to traditional round wood poles. Self-supporting laminated wood structures will only be utilized if installation of guying and anchoring is not possible. The line will be insulated and operated at 69kV for the foreseeable future.

#### Conclusion

The 69kV Gray Road - Hall Street 69kV transmission line must remain in service to provide the most reliable transmission system for TCL&P and interconnected utilities by eliminating potential customer outages under first (single) contingency conditions and to meet MISO requirements of having transmission lines looped. Completion of the South Substation project including installation of 69kV circuit breakers will allow for automatic clearing of any faults on the south [REDACTED 4] line section thereby maintaining service to all TCL&P customers plus Wolverine Power's South Airport Substation assuming the Gray Road - Hall Street 69kV line is re-conducted. Completion of two 69kV transmission loops capable of serving peak system load provides adequate redundancy within the transmission system.

Signed:   
GRP Engineering, Inc.

cc: TCL&P  
Tom Olney  
GRP Engineering, Inc.  
Rob Shelley

660 Cascade W Parkway SE Suite 65  
Grand Rapids MI 49546  
P: 616.942.7183  
F: 616.285.6448

[www.grp-engineering.com](http://www.grp-engineering.com)

459 Bay Street  
Petoskey MI 49770  
P: 231.439.9683  
F: 231.439.9698

  
**WOLVERINE**  
POWER COOPERATIVE

May 5, 2014

ERIC D. BAKER  
President/CEO

John Taylor  
Chairman of the Board  
Traverse City Light & Power  
1131 Hastings Street  
Traverse City, MI 49686

Tim Arends  
Director  
Traverse City Light & Power  
1131 Hastings Street  
Traverse City, MI 49686

Dear Messrs. Taylor and Arends:

I am writing to express Wolverine Power Cooperative's support for the Traverse City Light & Power (TCL&P) proposed project to rebuild the Gray Rd – Hall Street transmission line. This project was contemplated nearly a decade ago and is required to meet area reliability needs. This project will impact positively the reliability for customers of Traverse City Light & Power, Cherryland Electric and Consumers Energy.

Nearly a decade ago, TCLP and Wolverine jointly assessed and planned a series of projects to improve reliability in the Grand Traverse Region. During that process, the scope of the Gray Road project expanded to include a reliability benefit to Consumers Energy as well. The three step plan was significant but simple: Step 1, Interconnect the three transmission systems of Wolverine, TCL&P and ITC/MBTC at Gray Rd; Step 2, Wolverine would rebuild its transmission lines around Traverse City; Step 3, TCL&P would rebuild 4 miles of line between Gray Rd and Hall Street. Steps 1 and 2 were completed by 2010. Step 3 is the last important step.

Wolverine has rebuilt nearly 300 miles of 1950s vintage transmission line very similar to that of the existing TCL&P Gray Rd to Hall Street line. The new lines are capable of moving 4-8 times the amount of power, they are more energy efficient (due to lower line losses), and they have proven to withstand harsh Michigan storms. In fact, during three significant storms over the past year including 80+ mile per hour straight line wind storms, a massive ice storm and other significant weather events, Wolverine's new lines remained intact and energized, when old poles broke in the storms.

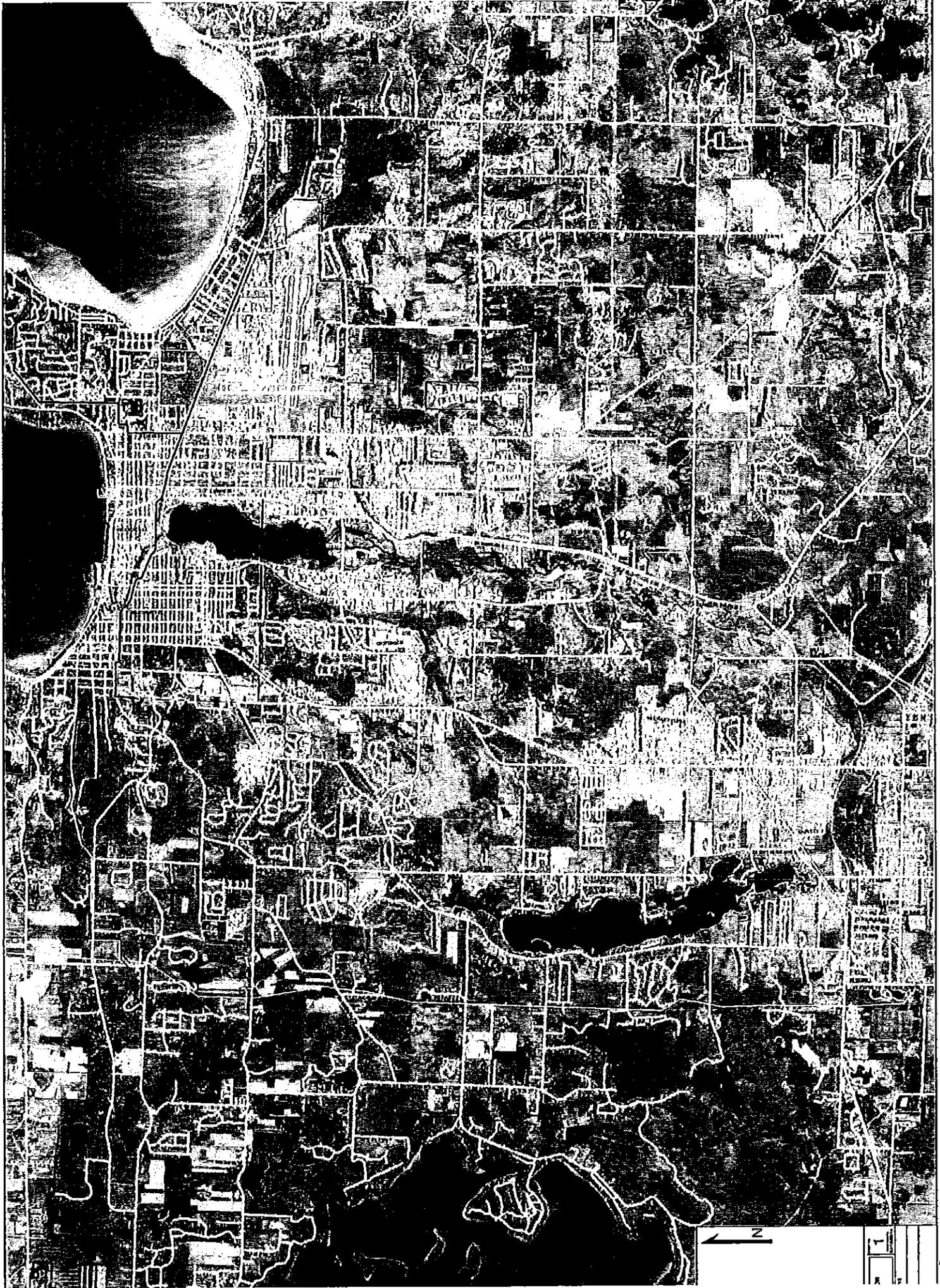
I applaud the TCL&P Board for taking on this last project to improve reliability for the entire Grand Traverse Region. I recognize the important local stakeholder viewpoints that have to be weighed and balanced when projects like this one are undertaken. I also recognize the ability of locally-owned public power companies to demonstrate leadership and long-term vision, and in this regard, I support your rebuild project.

Sincerely,

  
Eric D. Baker

cc: Tony Anderson, Cherryland Electric Cooperative

10125 West Watergate Road • P.O. Box 229 • Cadillac, MI 49601 • 231.775.5700 • fax 231.775.2077 • www.wpsci.com



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TRAVERSE CITY  
LIGHT & POWER

Investing Our Energy In You

June 6, 2014

Dear Customers and Community Members:

**RE: Hall Street Substation to Gray Substation Transmission Line Upgrade**

Now that the City Commission has authorized the TCL&P Board to approval its Six-Year Capital Improvements Plan – 2014 (Plan), the process for coming to a decision on the transmission line that currently runs along Wayne Street and through the Hickory Meadows/Hills area can commence. The Plan has this project scheduled for upgrade in 2015-2016. Because this transmission line is the oldest line on the system it is deemed to be the highest priority for the utility. Most of the poles and conductor are 55 years old and were fully depreciated at 33 years in age. If the line remains overhead in the same place, an upgrade would require 4'-5' taller poles and about ½" larger in diameter conductor than is currently on the poles.

As I indicated to the TCL&P Board, City Commission, Planning Commission, and in prior written communications, the process for making a decision about the future of the transmission line will be open and transparent, inviting input from all interested parties. Other viable options will be considered by the utility with feasibility assessments and preliminary design/cost estimates prepared. However, everyone seems to be in agreement that doing nothing is not a viable option as it would jeopardize the long-term reliability and safety of the system.

The proposed transmission line upgrade has raised considerable concerns and questions from many Slabtown Neighborhood residents and Hickory Meadows supporters as it did in 2007-2008 when this project was first discussed in the community. The decision process of what to do with the transmission line will involve communication of relevant facts to all parties, public input/presentation opportunities, historical information including prior Board actions, and the presentation of other viable options before the project is officially presented to the TCL&P Board for its consideration of approval.

Tentatively, the schedule in reaching a Board decision on this capital improvement item is as follows:

- June 11, 2014 – TCL&P Board is anticipated to take formal action to approve the Six Year Capital Plan. (NOTE: This meeting is on a Wednesday and will be held at TCL&P's Service Center located at 1131 Hasting Street. All Board meetings start at 5:15 p.m.)
- June 24, 2014 – At the TCL&P Board Meeting (Commission Chambers), a presentation of the need for the transmission line and the need for its upgrade will be presented by GRP Engineering. GRP Engineering is the same firm that designed the different options in 2008. The Board will be asked to give its consensus on moving forward with upgrading the line at this meeting.



- Month of July 2014 – TCL&P staff will meet with the City of Traverse City, Slabtown Neighborhood representatives, and Recreational Authority Board members to discuss the project and any viable alternative options.
- Months of August & September 2014 – Contract engineers will prepare preliminary engineering work including estimated costs for each option to upgrade the transmission line.
- October 14, 2014 – TCL&P Board presentation of all options/costs/project history will be presented and open for discussion, including public comments.
- October 21, 2014 – Possible TCL&P Board study session to answer remaining questions and/or continue with Board and public discussions.
- October 28, 2014 – TCL&P will have on its agenda a staff recommendation included in a project authorization request for its consideration of approval.

Your participation is encouraged throughout this public process as the utility continues to make decisions in the best interests of the city residents, community, and all TCL&P customers/owners. While I cannot predict the outcome of this project, I can promise you that I will see this through to a Board decision so that we can move forward as a community.

Sincerely,



Tim Arends  
TCL&P Executive Director

Cc: TCL&P Board Members

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The City of Traverse City and Charter Township of Garfield

## Communication to the Recreational Authority

---

FOR THE MEETING OF AUGUST 13, 2014

DATE: MONDAY, AUGUST 11, 2014

FROM: MATT COWALL, EXECUTIVE DIRECTOR

SUBJECT: CONSIDERATION OF UPDATED USER AGREEMENTS FOR  
HISTORIC BARNS PARK

Revisions to the draft use policy and use permit are ongoing, including the edits and suggestions provided by the Board last month, and a few other details I would like to go over with counsel. I expect that we'll be able to run through updated versions of both documents on Wednesday night.

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The City of Traverse City and Charter Township of Garfield

## Communication to the Recreational Authority

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FOR THE MEETING OF AUGUST 13, 2014

DATE: MONDAY, AUGUST 11, 2014

FROM: MATT COWALL, EXECUTIVE DIRECTOR

SUBJECT: CONSIDERATION OF SOLAR POWER OPTION FOR THE  
AGRICULTURAL WELL PUMP AT HISTORIC BARNES PARK

The well pump that brings water to the agricultural and community gardening areas at Historic Barnes Park is currently operated by a gasoline powered generator. The plan has been to replace the generator with electrical power as a component of the Phase I renovations to the nearby Cathedral Barn. Quotes received to run utility power and metering to the pump are in the \$7,000-\$8,000 range.

In the meantime, SEEDS has received a \$3,000 grant from the Consumers Energy Foundation to instead power the pump with solar panels, which could be a very exciting new Energy Farm demonstration. The \$3,000 will not cover the entire cost of a solar installation, which would include solar panels and one or more large cisterns to store the pumped water and gravity-feed it to users. However, the subsidy provided by the grant likely puts the solar installation on par with the cost of running traditional electric to the pump.

This agenda item is reserved to discuss the particulars of such a solar system. At the time of this writing, SEEDS is working to finalize total costs. Other considerations for discussion include performance (i.e., ensuring sufficient pressure and supply for both the ag and community garden areas), appearance, and the siting of infrastructure.

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The City of Traverse City and Charter Township of Garfield

## Communication to the Recreational Authority

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FOR THE MEETING OF AUGUST 13, 2014

DATE: MONDAY, AUGUST 11, 2014

FROM: MATT COWALL, EXECUTIVE DIRECTOR

SUBJECT: EXPENDITURES APPROVED BY EXECUTIVE DIRECTOR

The following are expenditures that I have approved.

### **General Operating Fund:**

Grand Traverse County Treasurer	Tax reimbursements	\$ 69.74
LIAA	Management Services, June	\$ 5,307.50
LIAA	Copy costs, postage, mileage, June	\$ 77.49
Consumers Energy	June services	\$ 36.55
Consumers Energy	July services	\$ 48.81
Smith Haughey Rice & Roegge	June services	\$ 690.60
Grand Traverse Conservation District	Hickory Meadows - June trash, labor, tools/vehicle fees and trail map design/production	\$ 946.00
Consolidated Maintenance	June service - fans for 226 cellar, door hand pulls on 226 and 206	\$ 352.50
Grand Traverse Conservation District	Quarterly fees, Hickory Meadows July - Sept	\$ 4,750.00
Smith Haughey Rice & Roegge	July services	\$ 436.65

### **Debt Service Fund:**

Grand Traverse County Treasurer	Tax reimbursements	\$ 202.09
Capital One	Bond Interest payment	\$ 110,285.50
BNY Mellon	Bond (\$270,000) & Interest (\$5,062.50) payment	\$ 275,062.50

### **Construction Bond Fund:**

None		
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