



TRAVERSE CITY  
LIGHT & POWER

## SIX-YEAR CAPITAL IMPROVEMENT PLAN

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## Why Develop a Capital Improvement Plan?

The Capital Improvement Plan (CIP) is required by the Michigan Planning Enabling Act, Public Act 33 of 2008. The purpose of the Capital Improvement Plan is to show public structures and improvements ensuing a six-year period providing for time and cost of the improvements.

While this is required by Statute there are many other benefits to preparing a six-year Capital Improvement Plan. They are as follows:

- **Long-term planning** – a six-year time frame allows for planning, assessing future organization needs, forecasting costs and prioritizing projects.
- **Financial Allocation** – used to determine the number of financial resources necessary for the organization in future years.
- **Project Sequencing** – doing this exercise allows for better coordination of projects internally and with other agencies and addressing items such as dependencies, impact to operations, and potential disruption with multiple projects moving forward at one time.
- **Stakeholder Communication** – provides clarity and transparency to the utility stakeholders such as governmental officials and the public. It can be used as a method to convey an organization's strategy and goals.
- **Risk Management** – can be used to mitigate risks associated with capital projects such as changing economic environment, regulatory requirements, and technological advancements.

Overall, a CIP creates a structured approach to capital investment planning providing for informed decisions and the opportunity to optimize resource allocation and better achieve long-term goals/objectives.

## What is Included in the Capital Improvement Plan?

The CIP is structured into eight major categories: generation, transmission, distribution, electric vehicle charging stations, facilities, joint projects with City of Traverse City and DDA, and fiber.

Included within the plan are the project funding sources. These sources include federal/state which consists of federal and state grants, local which consists of local grants/contributions, financing, and internal funding from the fund's net assets.

All capital projects are included for authorization by the Traverse City Light & Power Board ("Board") and City of Traverse City Commission except new extensions of services and emergency repairs.



## Timeline and Process

**Step 1:** The six-year capital improvement plan begins annually in the fall where the Executive Director requests submissions from the leadership team with several data points to be utilized for multiple purposes not only the six-year management plan but project authorizations and project management. This information will be utilized to process future grant applications. The data submission begins the framework of the six-year plan.

**Step 2:** After data submissions are complete, the Review Committee which consists of the Executive Director, Chief Financial Officer, and Business and Planning Analyst holds clarity sessions as needed to obtain a more in-depth understanding of the projects.

**Step 3:** Following the clarification sessions, the review committee independently scores each project based on predetermined scorecard. This predetermined scorecard focuses on developing priority ratings based on alignment with the utility's strategic initiatives. This ensures that each project's timeliness, level of necessity and other organizational impacts are considered when determining which years projects will take place and are budgeted for effectively.

## Evaluation Criteria

- **Strategical Plan Alignment** – how the project aligns with the strategic plan priorities and objectives
- **Climate Action** – enhances sustainability, leverages efficient electrification, minimizes energy waste and contributes to the utility's decarbonization goal/climate action plan.
- **Financial Value** – including the return on investment such as efficiency gain with internal vs external labor, reduction of outage costs and life cycle costs, and even considering those not financial in nature along with the type of funding source. Additionally, the staff is moving towards requesting solicitation and quotes for projects within the first year of the Capital Improvement Plan to increase solidify the amount of project costs to be incurred.
- **Customer and Employee Value** – how the project will impact how customers/employees perceive the utility and how it will meet or exceed customer/employee expectations.
- **Risk Mitigation** – provides for mitigation to the following risks:
  - **Legal and Regulatory** – prevents the adverse consequences of a failure to comply with legal or regulatory requirements.
  - **Operational** – prevents the risk of loss from failed processes, unskilled employees, inadequate systems or external events.
  - **Technology** – prevents risk to information technology or data or applications that negatively impact business operations and/or loss event scenarios within the cyber realm, such as phishing, malware and data breach.
  - **Competitive** – prevents the risk of competitors developing new technologies or introduce new products
  - **Strategic** – a plan is developed to mitigate internal/external risks relating to the execution of the project including changes in management, change in customer demands or expectations, damage to utility's public value, financial challenges such as liquidity strength, supplier and vendor performance.

- **Operational Excellence** –
  - **Utilization Improvement** - project provides efficiencies of operation to allow labor/equipment to be focused on defined needs of the utility.
  - **Creates Process Automation** - project mitigates the risk of human error and provides efficient automation of previous manual processes.
  - **Improve Reliability** – project is expected to reduce the number of system outages and/or enhance grid resiliency. Improve the ease of maintenance of routine or decrease the outage time.
- **Flexibility** – the ability for a project to be moved within the years of the Six Year Capital Improvement Plan or beyond that does not hinder adherence to the utility’s purpose.
- **Innovation** – a project the utility has not undertaken in the past and is considered an improvement project that effects several customers, influences how the utility operates, requires new skills for the workforce, uniquely solves a problem, enhances the utility’s brand or reputation, and might inspire other utilities, local governments, and businesses to do the same project.

**Step 4:** The draft report is drafted and distributed for review among the leadership team for feedback and the report goes through a final review process for inclusion in the January 2025 Board packet.

**Step 5:** Additionally, in January 2025 the Board approves moving forward the Six-Year Capital Improvement Plan for inclusion into the overarching City Six-Year Capital Plan whereby it goes through the approval process required by the Michigan Planning Act.

## Electric Fund Project Prioritization Process

In addition to the previous predetermined criteria mentioned, the utility took into consideration projects that are stabilization in nature (practice of ensuring something doesn’t dramatically change, fail or decline), renewal in nature (innovation, reimagining, reorganizing, or updating) and growth in nature (leveraging progress and opportunities in a sustainable and viable fashion). Projects were segregated into two subcategories 1) stabilization and 2) renewal and growth, then separately reviewed. These projects were prioritized within the subcategories.

This was then followed by a third layer of evaluation that took into consideration those assets in service now on the probability of failure and the impact of failure if it were to occur. This third layer provided confidence that those projects are placed in the correct priority sequence on the cash flow.

Staff is currently underway developing a Capital Governance Program to be presented to the Traverse City Light and Power Board. A board policy that is supplemented with a responsive executive order is envisioned. Programs such as this are in alignment with best organizational practices and standards as a “best in class” utility. Many of the process enhancements over the past couple years will be captured and provide a platform for continuous Improvement.

## Capital Governance Program

The Capital Governance Program will establish a structured framework for planning, prioritizing, executing, and monitoring capital projects within the utility. This program will include two key components:

### Board Policy

The Board Policy will provide high-level guidance and direction appropriate for Board oversight. It will focus on principles and strategies to ensure alignment with the utility's mission, vision, and strategic priorities.

### Executive Order

The Executive Order will operationalize the program, detailing processes, procedures, and standards necessary for implementation. It will address operational direction, to be further developed and refined through workflows, project management practices, and change management strategies.

The Capital Governance Program will include the following foundational elements:

#### *1. Budget Classification Enhancements*

Refine current budget categories to ensure accurate classification of capital projects, enabling the development of useful metrics for forecasting future capital project costs.

#### *2. Asset Management Alignment*

Establish appropriate asset management classifications to improve cost-of-service studies, ensuring accurate rate-setting for each utility rate class.

#### *3. Capital Project Planning and Prioritization*

Enhance project planning by implementing a capital project ranking methodology. This will assess factors such as reliability, return on investment, and alignment with organizational priorities.

#### *4. Risk Assessment and Documentation*

Increase documentation of potential risks for each capital project by type and category, addressing:

- Legal
- Technological
- Reliability
- Customer Impact (External/Internal), including Safety
- Financial
- Operational
- Innovation
- Strategic Plan Alignment

*5. Formal Review and Approval Process*

Develop a formalized review and approval process for all capital projects to strengthen internal controls. This will distinguish between discretionary and non-discretionary projects.

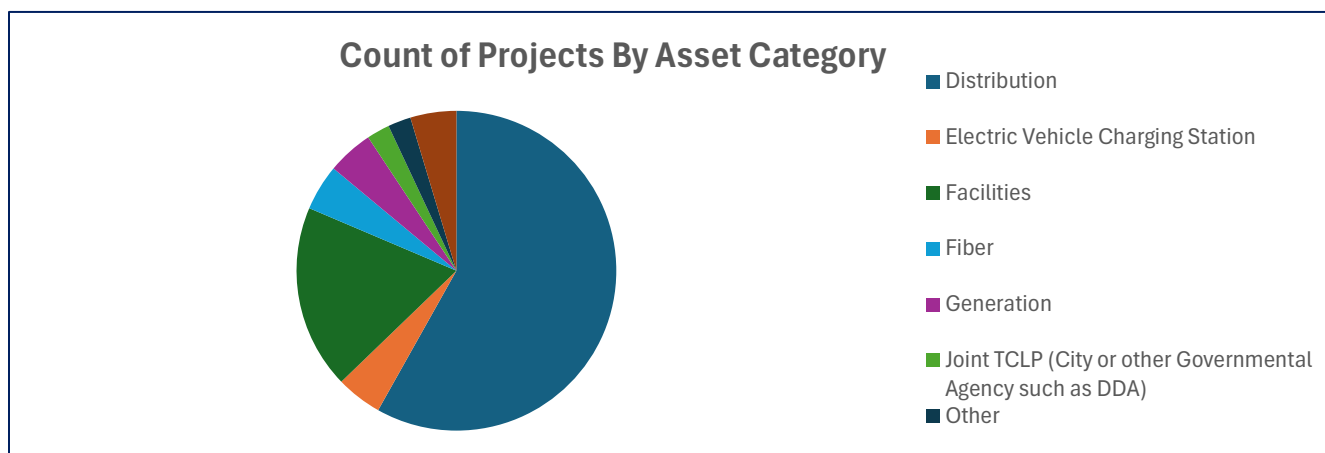
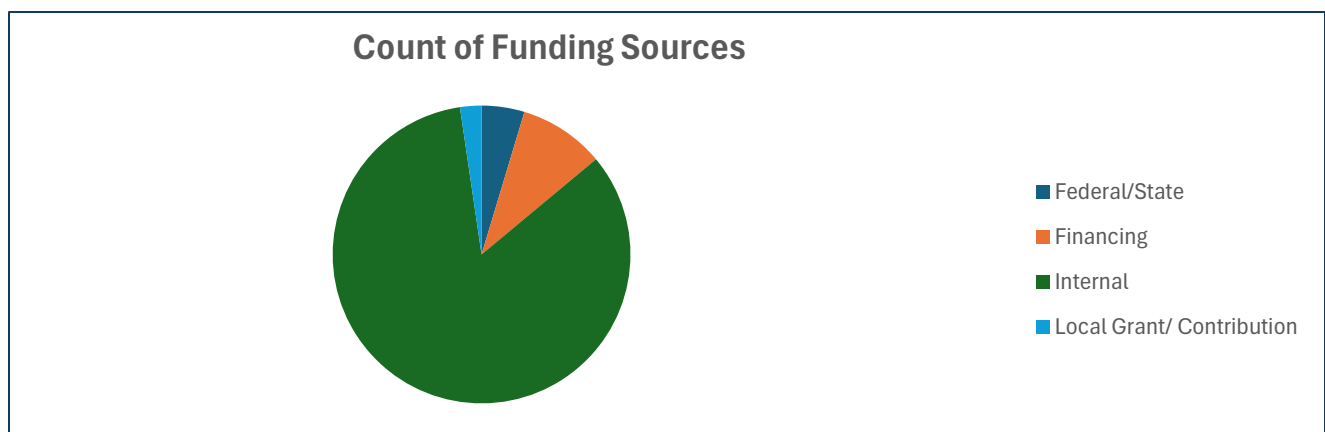
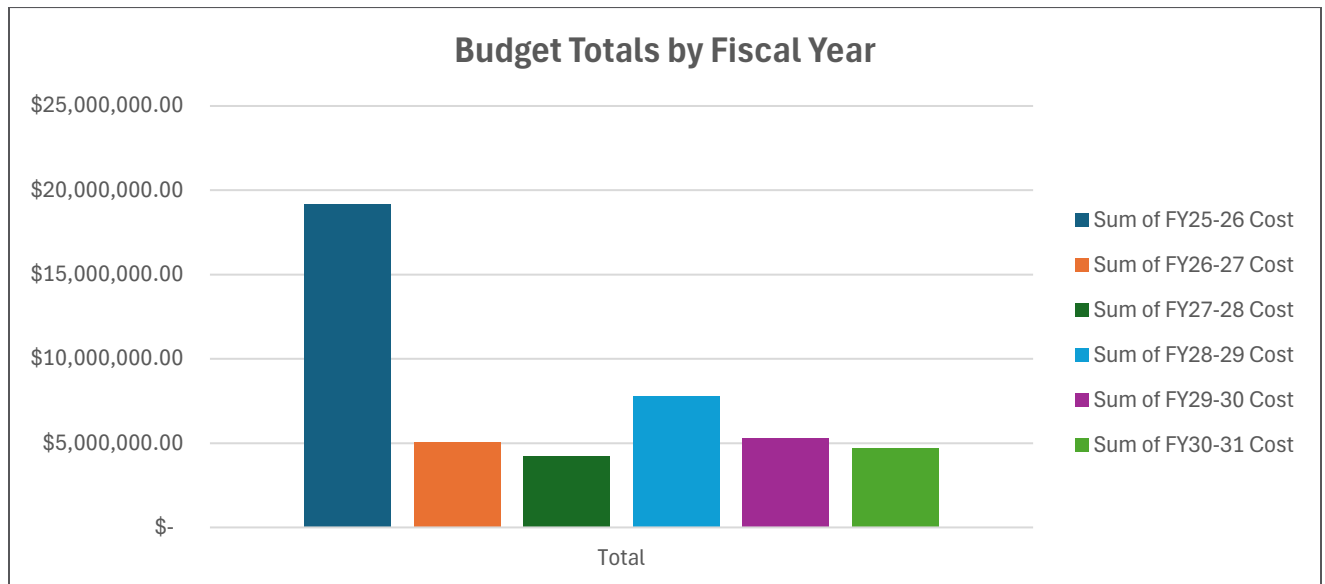
*6. Capital Project Monitoring*

Enhance the capital project monitoring process to provide adequate decision-making time when projects require course corrections due to unforeseen circumstances or environmental changes.

*7. Enhanced Reporting and Software Evaluation*

Evaluate current and potential software solutions to improve reporting capabilities. This includes enabling real-time tracking of labor, equipment, materials, contractual costs, and seamless integration into the fixed asset system.

## Data Visualization





## Funding

### Funding Strategy

Each project included in the CIP has designated the ideal funding scenarios for the six-year capital improvement plan. While most of our planned investments will utilize internal funding, TCLP is also exploring external funding opportunities in the form of State and Federal grants, bond/loan programming and additional collaboration opportunities with regional organizations and local government for mutual cost sharing benefits.

### External Funding Opportunities

For CIP projects that extend to later years or that have significant costs, TCLP aims to align external funding opportunities as projects become further developed in anticipation for potential grant opportunities. TCLP has been tracking and reviewing a variety of opportunities to evaluate which best aligns with our projects. We are adamant about leveraging many funding opportunities that have been designed to meet national climate and energy goals set by federal and state legislators. The focus of which tend to encourage investment in projects that support grid technology innovations/modernization, grid resiliency, distributed energy resources, facility efficiencies, electrification, electric vehicle charging infrastructure growth, and customer programming.

The most notable contributor of funding opportunities is The Inflation Reduction Act (“IRA”). Approved in August 2022, it is the largest piece of federal legislation to address climate change. The law directs \$400B in federal funding to clean energy with the goal of substantially lowering the nation’s carbon emissions by the end of the decade.

The utility is positioning itself to apply for funds relating to different aspects of the IRA as the federal programs are developed and openings for grant/financing proposals are opened for submission, while taking into consideration the reality of the time required for the application process, review, and awarding of the funding. Many of the projects previously developed already have the concepts in place required for the various grants/financing being awarded with IRA funds providing a step ahead for the utility.

The goals of the Climate Action Plan coincide nicely with the IRA goals along with most recent State of Michigan energy legislation of advancing and deploying American made clean energy technologies, making homes and buildings cleaner and more efficient to save consumers money and cut pollution, and increasing the resilience of our communities in a changing climate.

Not only do the utility goals coincide with the federal government, but the state government under the most recent legislation passed on Clean Energy to lower costs, create jobs, protect air and water and make more energy in Michigan. It is estimated that this legislation will help secure \$7.8B in federal investment from the IRA providing a larger opportunity of success for the utility in combatting climate change.

## Funding Authorization

The utility reviews the target operating income each year during the budget process to ensure the utility rates are funding the inflationary costs of replacing existing and investment in new infrastructure. Requests for project authorization will involve a cash flow analysis to ensure proper planning prior to the commencement of a project.

## Sustainability

With the recent completion of the Climate Action Plan, it is vital our CIP projects revolve around reducing our carbon output. Projects included in this plan covers five main Sustainability features:

- **Renewable Energy** – Resources are allocated for clean energy and reducing reliance on fossil fuels and reducing greenhouse gas emissions.
- **Grid Modernization** – Resources are allocated to modernize the grid infrastructure, including installing advanced communication systems providing for better monitoring and control of energy flows and optimizing power distribution and reducing energy losses.
- **Battery Storage** – Resources are allocated to address intermittency issues associated with renewable energy, providing for the ability to store excess energy during periods of peak demand improving grid stability and reducing reliance on fossil fuel-based peaker plants.
- **EV Infrastructure** – Resources are allocated for expanding the existing network in additional public areas, workplaces, residential complexes. By installing the infrastructure, it would encourage the use of electric vehicles thus reducing emissions from transportation and promoting sustainable mobility.
- **Demand Response** – Resources are allocated to Climate Action Plan technologies that are vital to the demand response programs under development to incentivize consumers to adjust their electricity usage during peak demand periods. This will help balance grid load, reduce strain on the system and potentially avoid the need for additional fossil fuel power plants.

All initiatives are included for the purpose of contributing to a cleaner and more resilient energy infrastructure. They also are fostering the transition towards a low-carbon future, mitigating climate change impacts, and improving the overall health of our planet.

Currently, initiatives are underway through the operating budget analyzing opportunities for battery storage and demand response. The results of the initiative will provide information needed to develop a plan which will include future incorporation of a proposed project within the Six Year Capital Improvement Plan.

Below is a pictorial showing the tools necessary for TCLP to move forward achieving Decarbonization.



## Strategic Plan Alignment

### Strategic Vision and Mission

Lastly, staff reviews the plan holistically to ensure it is meeting the overall utility's vision and mission.

As a refresher the utility's strategic foundation is as follows:

**Mission Statement:** *To serve as the trusted community partner for delivering innovative, affordable, reliable, and environmentally sustainable energy and telecom solutions.*

**Vision Statement:** *Our vision is to lead with positivity, creating a brighter future for all. As an innovative electric and telecom utility, we harness the power of clean energy and fiber connectivity through sustainable partnerships, services, and programs. We enrich our communities by anticipating and exceeding evolving customer needs with operational excellence.*

### Values

**Values:** Integrity, Sustainability, Innovation, Collaboration & Optimism

**Integrity:** Upholding the highest ethical standards of honesty and conduct to ensure the safety and reliability of our services as a testament to our commitment to the customers, community and stakeholders we serve.

**Sustainability:** Embracing environmental stewardship, positive social impact, and economic stability to ensure a thriving planet and prosperous communities.

**Innovation:** Embracing change and pioneering forward-thinking solutions to meet the future head-on.

**Collaboration:** Fostering inclusive partnerships and teamwork, uniting diverse perspectives to achieve common goals and build stronger connected and energized communities.

**Optimism:** Fostering a positive outlook as we navigate challenges and seize opportunities.

## Strategic Priorities

The Utility's Strategic Priorities are focused on the following: Community Enrichment, Customer Experience, Employee Excellence, Operational and Financial Excellence, Technology Transition, and Environmental Sustainability.

Further details about each Strategic Priority, accompanying Strategic Objectives and various plan investments are outlined below. These initiatives are just a few examples of how the utility is moving the strategic plan forward. (Numbers listed below coordinate with the utility's strategic plan and not all objectives are listed.)

1. **Community Enrichment:** Embrace the benefits of public power for current and future generations by fostering a vibrant and thriving community, as an invested civic partner fueling economic growth and sustainable development.

### Community Enrichment: Strategic Objectives

- (1) Strengthen Partnerships with Community, Customers & Local Organizations: Establish collaborative projects that address community needs, leverage local expertise, and share resources for broader impact.

#### *CIP Investments:*

- *Hall Street Renewable Demonstration Investment*
- *TC EV Expansion*

- (2) Increase Community Outreach and Volunteer Efforts: Organize and participate in community service and volunteer programs that support local initiatives, to enhance TCLP's impact on making a positive contribution to community well-being.

#### *CIP Investments:*

- *Hall Street Renewable Demonstration Investment*
- *TC EV Expansion*

- (3) Enhance Community Educational Programs & Environmental Sustainability Initiatives: Develop and deliver educational programs focused on environmental sustainability, clean energy, and the benefits of fiber connectivity through engaging schools, community centers, and online platforms.

#### *CIP Investments:*

- *Hall Street Renewable Demonstration Investment*
- *Rate Analysis Calculator*

- (4) **Seek Mutually Beneficial Infrastructure and Technological Investments:** Pursue infrastructure projects and technological investments that offer long-term benefits to the community, such as expanding fiber connectivity to underserved areas and investing in renewable energy sources.

*CIP Investments:*

- *TC EV Expansion*
  - *Smart Grid Expansion*
- 

2. **Customer Experience:** Elevate the customer experience by delivering unparalleled service quality, introducing cutting-edge, customer-driven offerings, and fostering seamless, engaging interactions across all digital and physical touchpoints.

### Customer Experience Strategic Objectives

- (1) **Improve Customer Service Quality and Responsiveness:** Enhance response times and customer satisfaction scores through targeted service improvements and staff training.

*CIP Investments:*

- *Distribution Circuit Reliability*
- *Extensions, New Services, Overhead Line Improvements, Underground Line Improvements.*
- *Meters*
- *Street and Area Lighting*
- *Substation Improvements*
- *Rate Analysis Calculator*

- (2) **Expand and Create New Innovative Customer Programs and Service Offerings:** Introduce new programs and services that meet and exceed evolving customer needs, with a focus on sustainability and digital connectivity.

*CIP Investments:*

- *TC EV Expansion*
- *Smart Grid Expansion*
- *Rate Analysis Calculator*

- (3) **Increase Community Engagement in Sustainability & Fiber Initiatives:** Increase awareness and grow community participation within TCLP's sustainability and fiber connectivity efforts through outreach and engagement activities.

*CIP Investments:*

- *Hall Street Renewable Demonstration Investment*
- *TC EV Expansion*



- *Smart Grid Expansion*
- *Rate Analysis Calculator*

- (5) **Promote Educational Initiatives and Personalized Services:** Launch educational campaigns on the benefits of sustainability and fiber connectivity by introducing personalized service offerings to enhance customer relevance and engagement.

*CIP Investments:*

- *Hall Street Renewable Demonstration*
- *Smart Grid Expansion*

- 
4. **Operational & Financial Excellence:** Drive excellence and resilience in energy and telecom operations with innovative technologies and practices, prioritizing safety, reliability, and responsiveness to TCLP customers. Bolster TCLP's financial resilience by strategically diversifying revenue streams and enhancing financial management practices.

#### Operational & Financial Excellence Strategic Objectives

- (1) **Maintain Benchmark Designations for Best-in-Class Service:** Uphold and secure benchmark designations from the American Public Power Association (APPA) and other relevant bodies, affirming TCLP's leadership in operational reliability, safety, and customer satisfaction. This reflects TCLP's unwavering commitment to excellence, positioning them as the energy and telecom provider of choice.

*CIP Investments:*

- *Rate Analysis Calculator*
- *Smart Grid Expansion*

- (3) **Diversify and Grow Sustainable Revenue Streams:** Actively explore and develop new, sustainable business models and high-value customer services that align with our mission and provide ample diversification to ensure TCLP's financial resilience and commitment to support community-focused initiatives and enhance value for all stakeholders.

*CIP Investments:*

- *TC EV Expansion*
- *Smart Grid Expansion*

- (4) **Invest in Infrastructure and Smart Technology Integration:** Commit to the continuous upgrade of TCLP energy and telecom infrastructure with smart technologies. Maintaining a focus on investments to improve operational efficiency, customer satisfaction, and reliability, that keeps TCLP at the forefront of industry evolution.

*CIP Investments:*

- *Distribution Circuit Reliability*
  - *Equipment and Tools*
  - *Extensions, New Services, Overhead Line Improvements, Underground Line Improvements.*
  - *Meters*
  - *Street and Area Lighting*
  - *Substation Improvements*
  - *TC EV Expansion*
  - *Smart Grid Expansion*
  - *Data Center Updates*
- 

5. **Technology Transition:** Embrace and integrate cutting-edge technologies to spearhead a culture of innovation within TCLP. Focus on strategic investments in new technological solutions, engaging in rigorous research and development, and forging strategic partnerships that drive organizational growth. Aim to deliver innovative customer-centric services and solutions that not only bolster revenue growth but also position TCLP as a pioneer in utility sector technology and service excellence.

### Technology Transition Strategic Objectives

- (1) **Implement New Technological Solutions to Enhance Service Value:** Identify and respond to emerging customer needs and market trends by creating and introducing innovative services and programs that leverage advanced technologies, to enhance customer experience and operational excellence.

*CIP Investments:*

- *Rate Analysis Calculator*
- *Smart Grid Expansion*

- (2) **Boost Annual R&D Investment for Continuous Innovation:** Prioritize a progressive increase in R&D investment each year, focusing on strategic areas to ensure TCLP remains at the forefront of operational efficiency, environmental sustainability, and the development of customer-centric services.

*CIP Investments:*

- *Smart Grid Expansion*
- 

6. **Environmental Sustainability:** Lead in comprehensive environmental sustainability by reducing greenhouse gas emissions and advancing towards 100% renewable energy usage by 2040. Expand TCLP's commitment to include the preservation of all natural resources, adopting and promoting

practices that ensure the sustainable management of air, water, and land. Through innovative initiatives and strategic partnerships, TCLP will set industry benchmarks in holistic environmental stewardship, extending its impact beyond energy and telecom operations to foster a healthy planet and sustainable future for its community and stakeholders.

## Environmental Sustainability Strategic Objectives

- (1) **Reduce Greenhouse Gas Emissions:** Implement initiatives aimed at significantly reducing greenhouse gas emissions, with the goal of achieving 100% renewable energy usage by 2040. Implement operationalizing tactics and initiatives identified within the Climate Action Plan, which include but are not limited to clean energy resource acquisition, innovative rate designs, customer programs and integrated resource planning.

### *CIP Investments:*

- *Rate Analysis Calculator*
- *TC EV Expansion*
- *Hall Street Renewable Demonstration Investment*

- (2) **Drive Environmental Sustainability in TCLP Operations and Energy Usage:** Reduce greenhouse gas emissions from TCLP's operations, facilities and fleet through strategic investments in clean technologies and practices.

### *CIP Investments:*

- *Rate Analysis Calculator*
- *TC EV Expansion*
- *Hall Street Renewable Demonstration Investment*

## Conclusion

The Capital Improvement Plan (CIP) serves as a roadmap for Traverse City Light & Power's (TCLP) journey toward becoming a best-in-class utility, delivering sustainable, reliable, and innovative energy solutions to the community. By aligning capital investments with strategic priorities, TCLP continues to demonstrate leadership in adaptability, financial stewardship, and operational excellence.

Financial Stability is at the core of the CIP, ensuring that resources are allocated wisely to balance immediate needs and long-term objectives. Over the next few fiscal years, TCLP will focus on maximizing internal resources for critical projects, such as distribution circuit rebuilds, while transitioning more funding toward operation and maintenance (O&M). This strategy is strengthened by leveraging opportunities presented by the Inflation Reduction Act (IRA), which offers grant reimbursements and financing for many CIP initiatives. This financial foresight ensures TCLP can maintain fiscal health while continuing to support innovative program recommendations within the Climate Action Plan.

Prioritization has been further refined to reflect TCLP's commitment to strategic decision-making and risk management. Staff have implemented dual methodologies to classify and schedule projects: one focused on aligning projects with the Strategic Plan and long-term priorities, and another emphasizing system



reliability for the benefit of ratepayers. Immediate projects are planned with greater precision and urgency, while those scheduled in later years retain flexibility to respond to changing circumstances or emerging opportunities. This evolving process ensures that TCLP remains nimble and responsive to both operational needs and community expectations.

Recognizing the importance of adaptability, TCLP continues to evaluate the capital plan to explore alternative funding sources and ensure alignment with its mission and values. The CIP reflects a proactive approach, balancing innovation with reliability, and preparing the utility for the challenges and opportunities of a rapidly changing energy landscape.

By embedding financial stability, strategic prioritization, and adaptability into its planning process, TCLP is building a foundation for long-term success. This plan not only supports critical infrastructure needs but also positions TCLP as a leader in community-focused energy solutions. Through these efforts, TCLP is leveraging its expertise, resources, and vision to provide value and reliability to ratepayers, while strengthening its reputation as a utility that leads with purpose, innovation, and sustainability.

## Summary Pages and Individual Project Sheets by Financing Type



**Traverse City Light and Power**  
**Summary of Projects by Asset Category**  
**Six Year Capital Improvement Plan**  
**Fiscal Years 2025-26 through 2030-31**

Fund Type	(All)						
Row Labels	Sum of FY25-26 Cost	Sum of FY26-27 Cost	Sum of FY27-28 Cost	Sum of FY28-29 Cost	Sum of FY29-30 Cost	Sum of FY30-31 Cost	Grand Total
Distribution	\$ 3,804,374.00	\$ 3,595,388.00	\$ 3,494,000.00	\$ 3,599,700.00	\$ 3,650,500.00	\$ 3,253,000.00	\$ 21,396,962.00
Distribution Circuit Reliability	\$ 724,374.00	\$ 928,388.00	\$ 1,200,000.00	\$ 625,000.00	\$ 925,000.00	\$ -	\$ 4,402,762.00
CD-24 - Pine St	\$ -	\$ -	\$ -	\$ 400,000.00	\$ -	\$ -	\$ 400,000.00
HL-33 - Locust St	\$ -	\$ -	\$ -	\$ 225,000.00	\$ 225,000.00	\$ -	\$ 450,000.00
MDOT - 3 Mile & Munson Relocation (NEW)	\$ 307,233.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 307,233.00
PC-22 - Cypress St	\$ 417,141.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 417,141.00
PC-22 - Munson, Davis to 3 Mile	\$ -	\$ -	\$ -	\$ -	\$ 700,000.00	\$ -	\$ 700,000.00
South Airport Road Tie	\$ -	\$ 400,000.00	\$ 1,200,000.00	\$ -	\$ -	\$ -	\$ 1,600,000.00
SS-22 - New Circuit (NEW)	\$ -	\$ 528,388.00	\$ -	\$ -	\$ -	\$ -	\$ 528,388.00
Equipment and Tools	\$ 150,000.00	\$ 30,000.00	\$ 25,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 229,000.00
Capital Equipment (NEW)	\$ 135,000.00	\$ 15,000.00	\$ 15,000.00	\$ -	\$ -	\$ -	\$ 165,000.00
Capital Tools	\$ 15,000.00	\$ 15,000.00	\$ 10,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 64,000.00
Extensions, New Services and Line Improvements	\$ 1,875,000.00	\$ 1,825,000.00	\$ 1,900,000.00	\$ 1,975,000.00	\$ 2,050,000.00	\$ 2,125,000.00	\$ 11,750,000.00
Extensions and New Services	\$ 875,000.00	\$ 900,000.00	\$ 925,000.00	\$ 950,000.00	\$ 975,000.00	\$ 1,000,000.00	\$ 5,625,000.00
Overhead Line Improvements	\$ 550,000.00	\$ 450,000.00	\$ 475,000.00	\$ 500,000.00	\$ 525,000.00	\$ 550,000.00	\$ 3,050,000.00
Underground Line Improvements	\$ 450,000.00	\$ 475,000.00	\$ 500,000.00	\$ 525,000.00	\$ 550,000.00	\$ 575,000.00	\$ 3,075,000.00
Meters	\$ 140,000.00	\$ 147,000.00	\$ 154,000.00	\$ 161,700.00	\$ 437,500.00	\$ 875,000.00	\$ 1,915,200.00
Meter Procurement	\$ 140,000.00	\$ 147,000.00	\$ 154,000.00	\$ 161,700.00	\$ 437,500.00	\$ 875,000.00	\$ 1,915,200.00
Smart Grid	\$ 205,000.00	\$ -	\$ -	\$ 300,000.00	\$ -	\$ -	\$ 505,000.00
Division and South Airport Automatic Healing (NEW)	\$ -	\$ -	\$ -	\$ 300,000.00	\$ -	\$ -	\$ 300,000.00
Smart Grid - Capacitor Banks	\$ 180,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,000.00
AMI Upgrade	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000.00
Street and Area Lighting	\$ 150,000.00	\$ 160,000.00	\$ 160,000.00	\$ 170,000.00	\$ 170,000.00	\$ 180,000.00	\$ 990,000.00
Street and Area Lighting Projects	\$ 150,000.00	\$ 160,000.00	\$ 160,000.00	\$ 170,000.00	\$ 170,000.00	\$ 180,000.00	\$ 990,000.00
Substation Improvements	\$ 360,000.00	\$ 505,000.00	\$ 55,000.00	\$ 360,000.00	\$ 60,000.00	\$ 65,000.00	\$ 1,405,000.00
Cass Road #1 Transformer	\$ 100,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000.00
Distribution Substation Relay Replacement	\$ -	\$ -	\$ -	\$ 300,000.00	\$ -	\$ -	\$ 300,000.00
Operational Technology Solutions	\$ -	\$ 450,000.00	\$ -	\$ -	\$ -	\$ -	\$ 450,000.00
Substation Fiber (NEW)	\$ 70,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000.00
Substation Improvement Projects	\$ 50,000.00	\$ 55,000.00	\$ 55,000.00	\$ 60,000.00	\$ 60,000.00	\$ 65,000.00	\$ 345,000.00
Substation Networking (NEW)	\$ 140,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,000.00
Underground Line Improvements	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000.00
Park Place Undergrounding (NEW)	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000.00
Electric Vehicle Charging Station	\$ -	\$ 150,000.00	\$ -	\$ 150,000.00	\$ -	\$ -	\$ 300,000.00
Electric Vehicle Charging Station	\$ -	\$ 150,000.00	\$ -	\$ 150,000.00	\$ -	\$ -	\$ 300,000.00
TC EV Expansion	\$ -	\$ 150,000.00	\$ -	\$ 150,000.00	\$ -	\$ -	\$ 300,000.00
Facilities	\$ 511,000.00	\$ 200,000.00	\$ 50,000.00	\$ 50,000.00	\$ 225,000.00	\$ 50,000.00	\$ 1,086,000.00
Facility Improvements	\$ 365,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 615,000.00
Facility Improvement Projects	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 300,000.00
HVAC Units (NEW)	\$ 275,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 275,000.00
Radio Repeater Move (NEW)	\$ 20,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000.00
ESO Room Updates (NEW)	\$ 20,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000.00
Technology	\$ 146,000.00	\$ 150,000.00	\$ -	\$ -	\$ 175,000.00	\$ -	\$ 471,000.00
Computers (NEW)	\$ 56,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 56,000.00
Data Center Updates	\$ -	\$ 150,000.00	\$ -	\$ -	\$ 175,000.00	\$ -	\$ 325,000.00
Security Information and Event Mgmt (SIEM) (NEW)	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000.00
Rate Analysis Calculator (NEW)	\$ 40,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000.00
Generation	\$ 200,000.00	\$ -	\$ -	\$ 3,500,000.00	\$ -	\$ -	\$ 3,700,000.00

**Traverse City Light and Power**  
**Summary of Projects by Asset Category**  
**Six Year Capital Improvement Plan**  
**Fiscal Years 2025-26 through 2030-31**

Fund Type	(All)						
Row Labels	Sum of FY25-26 Cost	Sum of FY26-27 Cost	Sum of FY27-28 Cost	Sum of FY28-29 Cost	Sum of FY29-30 Cost	Sum of FY30-31 Cost	Grand Total
Generation	\$ 200,000.00	\$ -	\$ -	\$ 3,500,000.00	\$ -	\$ -	\$ 3,700,000.00
Hall Street Renewable Demonstration Investment	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000.00
Renewable/Battery Storage Demonstration	\$ -	\$ -	\$ -	\$ 3,500,000.00	\$ -	\$ -	\$ 3,500,000.00
Joint TCLP (City or other Governmental Agency such as DDA)	\$ -	\$ -	\$ -	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 1,500,000.00
Underground Line Improvements	\$ -	\$ -	\$ -	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 1,500,000.00
Upgrade Front Street Underground Lighting Circuits and Receptacles	\$ -	\$ -	\$ -	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 1,500,000.00
Transmission	\$ -	\$ -	\$ 650,000.00	\$ -	\$ 883,200.00	\$ 883,200.00	\$ 2,416,400.00
Substation Improvements	\$ -	\$ -	\$ 650,000.00	\$ -	\$ -	\$ -	\$ 650,000.00
Transmission Substation Relay Replacement	\$ -	\$ -	\$ 650,000.00	\$ -	\$ -	\$ -	\$ 650,000.00
Transmission Line Reconstruction	\$ -	\$ -	\$ -	\$ -	\$ 883,200.00	\$ 883,200.00	\$ 1,766,400.00
Cass Road Substation to Cass Junction	\$ -	\$ -	\$ -	\$ -	\$ 883,200.00	\$ 883,200.00	\$ 1,766,400.00
Fiber	\$ 14,665,000.00	\$ 1,130,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 15,875,000.00
Other	\$ 225,000.00	\$ 170,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 475,000.00
Capital Tools - Fiber	\$ 75,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 175,000.00
Fiber Equipment (NEW)	\$ 150,000.00	\$ 150,000.00	\$ -	\$ -	\$ -	\$ -	\$ 300,000.00
Smart Grid	\$ 14,440,000.00	\$ 960,000.00	\$ -	\$ -	\$ -	\$ -	\$ 15,400,000.00
Smart Grid Expansion	\$ 13,440,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,440,000.00
Fiber Drop Costs (NEW)	\$ 1,000,000.00	\$ 960,000.00	\$ -	\$ -	\$ -	\$ -	\$ 1,960,000.00
Grand Total	\$ 19,180,374.00	\$ 5,075,388.00	\$ 4,214,000.00	\$ 7,819,700.00	\$ 5,278,700.00	\$ 4,706,200.00	\$ 46,274,362.00

**Notes**

1. This worksheet is for illustration purposes and only is supplemental to the plan.
2. Actual fiscal year that a project may be undertaken may differ from the fiscal year depicted in this spreadsheet. Dollar amounts are estimates for information only and are not a part of the official plan.
3. Capital projects not routine in nature will be subject to a project authorization request before commencing.
4. Street lighting projects are subject to funding requirements per the Decorative Lighting Policy and Street Lighting Operations and Maintenance Policy.
5. The utility is currently analyzing combining the Fiber Fund into the Electric Fund and did not delineate the projects between the Electric and Fiber Fund.

**Traverse City Light and Power**  
**Summary of Projects by Funding Type**  
**Six Year Capital Improvement Plan**  
**Fiscal Years 2025-26 through 2030-31**

Fund Type	(All)							
Row Labels	Sum of FY25-26 Cost	Sum of FY26-27 Cost	Sum of FY27-28 Cost	Sum of FY28-29 Cost	Sum of FY29-30 Cost	Sum of FY30-31 Cost	Grand Total	
Federal/State	\$ -	\$ 75,000.00	\$ -	\$ 3,575,000.00	\$ -	\$ -	\$ 3,650,000.00	
Electric Vehicle Charging Station	\$ -	\$ 75,000.00	\$ -	\$ 75,000.00	\$ -	\$ -	\$ 150,000.00	
Electric Vehicle Charging Station	\$ -	\$ 75,000.00	\$ -	\$ 75,000.00	\$ -	\$ -	\$ 150,000.00	
TC EV Expansion	\$ -	\$ 75,000.00	\$ -	\$ 75,000.00	\$ -	\$ -	\$ 150,000.00	
Generation	\$ -	\$ -	\$ -	\$ 3,500,000.00	\$ -	\$ -	\$ 3,500,000.00	
Generation	\$ -	\$ -	\$ -	\$ 3,500,000.00	\$ -	\$ -	\$ 3,500,000.00	
Renewable/Battery Storage Demonstration	\$ -	\$ -	\$ -	\$ 3,500,000.00	\$ -	\$ -	\$ 3,500,000.00	
Financing	\$ 14,785,000.00	\$ 960,000.00	\$ -	\$ -	\$ -	\$ -	\$ 15,745,000.00	
Distribution	\$ 345,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 345,000.00	
Equipment and Tools	\$ 135,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000.00	
Capital Equipment (NEW)	\$ 135,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000.00	
Substation Improvements	\$ 210,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 210,000.00	
Substation Fiber (NEW)	\$ 70,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000.00	
Substation Networking (NEW)	\$ 140,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,000.00	
Fiber	\$ 14,440,000.00	\$ 960,000.00	\$ -	\$ -	\$ -	\$ -	\$ 15,400,000.00	
Smart Grid	\$ 14,440,000.00	\$ 960,000.00	\$ -	\$ -	\$ -	\$ -	\$ 15,400,000.00	
Smart Grid Expansion	\$ 13,440,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,440,000.00	
Fiber Drop Costs (NEW)	\$ 1,000,000.00	\$ 960,000.00	\$ -	\$ -	\$ -	\$ -	\$ 1,960,000.00	
Internal	\$ 4,195,374.00	\$ 4,040,388.00	\$ 4,214,000.00	\$ 4,244,700.00	\$ 5,278,700.00	\$ 4,706,200.00	\$ 26,679,362.00	
Distribution	\$ 3,259,374.00	\$ 3,595,388.00	\$ 3,494,000.00	\$ 3,599,700.00	\$ 3,650,500.00	\$ 3,253,000.00	\$ 20,851,962.00	
Distribution Circuit Reliability	\$ 724,374.00	\$ 928,388.00	\$ 1,200,000.00	\$ 625,000.00	\$ 925,000.00	\$ -	\$ 4,402,762.00	
CD-24 - Pine St	\$ -	\$ -	\$ -	\$ 400,000.00	\$ -	\$ -	\$ 400,000.00	
HL-33 - Locust St	\$ -	\$ -	\$ -	\$ 225,000.00	\$ 225,000.00	\$ -	\$ 450,000.00	
MDOT - 3 Mile & Munson Relocation (NEW)	\$ 307,233.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 307,233.00	
PC-22 - Cypress St	\$ 417,141.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 417,141.00	
PC-22 - Munson, Davis to 3 Mile	\$ -	\$ -	\$ -	\$ -	\$ 700,000.00	\$ -	\$ 700,000.00	
South Airport Road Tie	\$ -	\$ 400,000.00	\$ 1,200,000.00	\$ -	\$ -	\$ -	\$ 1,600,000.00	
SS-22 - New Circuit (NEW)	\$ -	\$ 528,388.00	\$ -	\$ -	\$ -	\$ -	\$ 528,388.00	
Equipment and Tools	\$ 15,000.00	\$ 30,000.00	\$ 25,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 94,000.00	
Capital Equipment (NEW)	\$ -	\$ 15,000.00	\$ 15,000.00	\$ -	\$ -	\$ -	\$ 30,000.00	
Capital Tools	\$ 15,000.00	\$ 15,000.00	\$ 10,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 64,000.00	
Extensions, New Services and Line Improvements	\$ 1,875,000.00	\$ 1,825,000.00	\$ 1,900,000.00	\$ 1,975,000.00	\$ 2,050,000.00	\$ 2,125,000.00	\$ 11,750,000.00	
Extensions and New Services	\$ 875,000.00	\$ 900,000.00	\$ 925,000.00	\$ 950,000.00	\$ 975,000.00	\$ 1,000,000.00	\$ 5,625,000.00	
Overhead Line Improvements	\$ 550,000.00	\$ 450,000.00	\$ 475,000.00	\$ 500,000.00	\$ 525,000.00	\$ 550,000.00	\$ 3,050,000.00	
Underground Line Improvements	\$ 450,000.00	\$ 475,000.00	\$ 500,000.00	\$ 525,000.00	\$ 550,000.00	\$ 575,000.00	\$ 3,075,000.00	
Meters	\$ 140,000.00	\$ 147,000.00	\$ 154,000.00	\$ 161,700.00	\$ 437,500.00	\$ 875,000.00	\$ 1,915,200.00	
Meter Procurement	\$ 140,000.00	\$ 147,000.00	\$ 154,000.00	\$ 161,700.00	\$ 437,500.00	\$ 875,000.00	\$ 1,915,200.00	
Smart Grid	\$ 205,000.00	\$ -	\$ -	\$ 300,000.00	\$ -	\$ -	\$ 505,000.00	
Division and South Airport Automatic Healing (NEW)	\$ -	\$ -	\$ -	\$ 300,000.00	\$ -	\$ -	\$ 300,000.00	
Smart Grid - Capacitor Banks	\$ 180,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,000.00	
AMI Upgrade	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000.00	
Street and Area Lighting	\$ 150,000.00	\$ 160,000.00	\$ 160,000.00	\$ 170,000.00	\$ 170,000.00	\$ 180,000.00	\$ 990,000.00	
Street and Area Lighting Projects	\$ 150,000.00	\$ 160,000.00	\$ 160,000.00	\$ 170,000.00	\$ 170,000.00	\$ 180,000.00	\$ 990,000.00	
Substation Improvements	\$ 150,000.00	\$ 505,000.00	\$ 55,000.00	\$ 360,000.00	\$ 60,000.00	\$ 65,000.00	\$ 1,195,000.00	
Cass Road #1 Transformer	\$ 100,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000.00	
Distribution Substation Relay Replacement	\$ -	\$ -	\$ -	\$ 300,000.00	\$ -	\$ -	\$ 300,000.00	
Operational Technology Solutions	\$ -	\$ 450,000.00	\$ -	\$ -	\$ -	\$ -	\$ 450,000.00	

**Traverse City Light and Power**  
**Summary of Projects by Funding Type**  
**Six Year Capital Improvement Plan**  
**Fiscal Years 2025-26 through 2030-31**

Fund Type	(All)							
Row Labels	Sum of FY25-26 Cost	Sum of FY26-27 Cost	Sum of FY27-28 Cost	Sum of FY28-29 Cost	Sum of FY29-30 Cost	Sum of FY30-31 Cost	Grand Total	
Substation Improvement Projects	\$ 50,000.00	\$ 55,000.00	\$ 55,000.00	\$ 60,000.00	\$ 60,000.00	\$ 65,000.00	\$ 345,000.00	
Electric Vehicle Charging Station	\$ -	\$ 75,000.00	\$ -	\$ 75,000.00	\$ -	\$ -	\$ 150,000.00	
Electric Vehicle Charging Station	\$ -	\$ 75,000.00	\$ -	\$ 75,000.00	\$ -	\$ -	\$ 150,000.00	
TC EV Expansion	\$ -	\$ 75,000.00	\$ -	\$ 75,000.00	\$ -	\$ -	\$ 150,000.00	
Facilities	\$ 511,000.00	\$ 200,000.00	\$ 50,000.00	\$ 50,000.00	\$ 225,000.00	\$ 50,000.00	\$ 1,086,000.00	
Facility Improvements	\$ 365,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 615,000.00	
Facility Improvement Projects	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 300,000.00	
HVAC Units (NEW)	\$ 275,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 275,000.00	
Radio Repeater Move (NEW)	\$ 20,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000.00	
ESO Room Updates (NEW)	\$ 20,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000.00	
Technology	\$ 146,000.00	\$ 150,000.00	\$ -	\$ -	\$ 175,000.00	\$ -	\$ 471,000.00	
Computers (NEW)	\$ 56,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 56,000.00	
Data Center Updates	\$ -	\$ 150,000.00	\$ -	\$ -	\$ 175,000.00	\$ -	\$ 325,000.00	
Security Information and Event Mgmt (SIEM) (NEW)	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000.00	
Rate Analysis Calculator (NEW)	\$ 40,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000.00	
Fiber	\$ 150,000.00	\$ 150,000.00	\$ -	\$ -	\$ -	\$ -	\$ 300,000.00	
Fiber to the Premise	\$ 150,000.00	\$ 150,000.00	\$ -	\$ -	\$ -	\$ -	\$ 300,000.00	
Fiber Equipment (NEW)	\$ 150,000.00	\$ 150,000.00	\$ -	\$ -	\$ -	\$ -	\$ 300,000.00	
Generation	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000.00	
Generation	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000.00	
Hall Street Renewable Demonstration Investment	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000.00	
Joint TCCLP (City or other Governmental Agency such as DDA)	\$ -	\$ -	\$ -	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 1,500,000.00	
Underground Line Improvements	\$ -	\$ -	\$ -	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 1,500,000.00	
Upgrade Front Street Underground Lighting Circuits and Receptacles	\$ -	\$ -	\$ -	\$ 500,000.00	\$ 500,000.00	\$ 500,000.00	\$ 1,500,000.00	
Other	\$ 75,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 175,000.00	
Other	\$ 75,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 175,000.00	
Capital Tools - Fiber	\$ 75,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 175,000.00	
Transmission	\$ -	\$ -	\$ 650,000.00	\$ -	\$ 883,200.00	\$ 883,200.00	\$ 2,416,400.00	
Substation Improvements	\$ -	\$ -	\$ 650,000.00	\$ -	\$ -	\$ -	\$ 650,000.00	
Transmission Substation Relay Replacement	\$ -	\$ -	\$ 650,000.00	\$ -	\$ -	\$ -	\$ 650,000.00	
Transmission Line Reconstruction	\$ -	\$ -	\$ -	\$ -	\$ 883,200.00	\$ 883,200.00	\$ 1,766,400.00	
Cass Road Substation to Cass Junction	\$ -	\$ -	\$ -	\$ -	\$ 883,200.00	\$ 883,200.00	\$ 1,766,400.00	
Local Grant/ Contribution	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000.00	
Distribution	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000.00	
Underground Line Improvements	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000.00	
Park Place Undergrounding (NEW)	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000.00	
Grand Total	\$ 19,180,374.00	\$ 5,075,388.00	\$ 4,214,000.00	\$ 7,819,700.00	\$ 5,278,700.00	\$ 4,706,200.00	\$ 46,274,362.00	

## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** CD-24 - Pine St

#### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

New tap from CD-24 mainline at Pine St and Griffin St to existing three phase overhead at Pine St and 14th St, and upgrading existing three phase primary from Pine St and 14th St to Boughey St from #6 copper to #1/0 Hendrix conductor.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Distribution Circuit Reliability

**Project Years:** FY 28-29

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$-	\$-	\$400,000.00	\$-	\$-

**Six-Year Project Cost:** \$400,000.00

Location	Character	Extent	Purpose & Necessity
From Pine St and Griffin St south along Pine St to the alley south of 16th St then east down said alley to Newcomb St, then south along Newcomb St to 17th St, then east along 17th St to S Union St, then south along S Union St to Boughey St.	New poles and wire to be installed to existing three phase. Replacing existing wire, and poles as necessary.	City right of way permit required. New conductor will be less susceptible to trees allowing them to grow larger, and its configuration is further away from properties allowing less property impedance.	The new tap will better sectionalize the line, meaning a localized outage event will affect fewer customers. This also adds capacity to the line to allow for future electrification growth.



# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** HL-33 - Locust St

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Rebuild overhead line along Locust St including replacing wire with Hendrix insulated conductor. Also refeeding from other end of line to better sectionalize line.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Distribution Circuit Reliability

**Project Years:** FY 28-29  
FY 29-30

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$-	\$-	\$225,000.00	\$225,000.00	\$-

**Six-Year Project Cost:** \$450,000.00

Location	Character	Extent	Purpose & Necessity
Along Locust St from 6th St to 14th St.	Replacement of conductor and select poles.	City right of way permit required. Lower profile conductor will impede build-able area less.	Replace end of life conductor and refeed a portion of the line for better sectionalizing.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** MDOT - 3 Mile & Munson Relocation (NEW)

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Relocation of facilities to accommodate MDOT's project to add an additional lane on Munson Ave (US-31). Includes removal of approximately 1,860' of overhead primary along East Bay and installation of 1,330' of underground primary and pad mounted transformers.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Distribution Circuit Reliability

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$307,233.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$307,233.00

Location	Character	Extent	Purpose & Necessity
Intersection of Munson Ave and 3 Mile Rd and along Munson Ave approximately 900' east and west.	Conversion of most facilities to underground. Township would like the entire stretch from the city limits to Holiday Rd to all be underground at some point in the future.	Removal of most poles and along this section of East Bay.	The facilities located in MDOT's right of way need to move in order to accommodate MDOT's planned construction project. Rather than relocate the poles TCLP is opting to underground this area as TCLP's long term plan is to underground all lines along US-31 east of the city limits.

## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** PC-22 - Cypress St

#### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Rebuilding PC-22 mainline from Parsons Rd to Munson Ave along Cypress St. Includes upgrading conductor from #1/0 ACSR to #336 Hendrix.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Distribution Circuit Reliability

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$417,141.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$417,141.00

Location	Character	Extent	Purpose & Necessity
From Parsons Rd and Avenue B north to Cypress St, then north along Cypress St and existing ROW to Munson Ave.	New wire and where required poles to be installed in the existing center line. Undergrounding to include new pad mounted equipment installation.	City right of way permit required. New conductor will be less susceptible to trees allowing them to grow larger, and its configuration is further away from properties allowing less property impedance. Undergrounding a portion through area with limited width of ROW.	Current line is near capacity, reconductoring will increase capacity and allow future growth for electrification. The smaller line profile and insulated wire will impede on build-able land less and will lessen required tree trimming. Undergrounding a portion will also lessen tree trimming.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** PC-22 - Munson, Davis to 3 Mile

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Rebuilding the PC-22 circuit along Munson Ave from Davis to 3 Mile. This includes undergrounding to minimize risk of car crashes.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Distribution Circuit Reliability

**Project Years:** FY 29-30

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$-	\$-	\$-	\$700,000.00	\$-

**Six-Year Project Cost:** \$700,000.00

Location	Character	Extent	Purpose & Necessity
Along Munson Ave from Davis to 3 Mile.	Replacement of overhead conductor and installation of new underground and pad mounted equipment.	Notifying MDOT of right of way construction. Lower profile wire and undergrounding will impede less on build-able area in the corridor.	Replace end of life conductor and remove some facilities from the MDOT right of way to limit exposure to highway traffic collisions.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** South Airport Road Tie

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Upgrading overhead wire along South Airport Rd to just west of Cass Rd, and installing new underground wire along South Airport Rd and Day Dr to Mackey Dr. This will create a tie between two circuits and alleviate load issues at the end of the line along Division St.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Distribution Circuit Reliability

**Project Years:** FY 26-27  
FY 27-28

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$400,000.00	\$1,200,000.00	\$-	\$-	\$-

**Six-Year Project Cost:** \$1,600,000.00

Location	Character	Extent	Purpose & Necessity
Starting at Sybrandt Rd, then south along the railroad tracks to South Airport Rd then west until Day Dr, then west to end of road, then north to Mackey Dr.	Replacement of overhead wire, installation of new underground wire, conduit, and equipment.	New overhead conductor will be lower profile affecting property along route less. Underground will include minimal additional equipment installation, and will be generally unnoticeable.	Install new circuit tie to move load to a different circuit to alleviate voltage and conductor loading issues. Also creates redundancy allowing faster outage restoration and more flexibility with system switching and maintenance.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** SS-22 - New Circuit (NEW)

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Install new circuit out of the South substation. This circuit will feed load along South Airport from Barlow St to 3 Mile Rd. This will allow future growth for the airport terminal and technology park, and shift load from the more heavily loaded Parsons substation to the lighter loaded South substation.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Distribution Circuit Reliability

**Project Years:** FY 26-27

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$528,388.00	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$528,388.00

Location	Character	Extent	Purpose & Necessity
Along LaFranier Rd from 2760 LaFranier Rd north to the South Airport Rd intersection, thence east to Garfield Rd.	Addition of new set of conductors along LaFranier Rd on existing transmission and distribution line and replacement of smaller conductors along South Airport Rd on existing poles.	Will require county right of way permit. Utilizes mostly existing route and poles.	To allow future growth near the airport and avoid the Parsons substation becoming overloaded. This allows the existing transformers to remain in service for a longer period of time.

## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** Capital Equipment (NEW)

#### Project Information

**Project Owner:** Daren Dixon

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Capital Equipment Purchases. Purchase of a vacuum trailer to prevent renting of vacuum truck, which creates delays, costs more. It also will prevent a great deal of hand-digging labor, particularly as more will be needed with customer-installed conduit, which is expected to increase from changes to the Rules and Regulations. The replacement of trailers that are >12 years old is to ensure safe and reliable transportation of company equipment.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Equipment and Tools

**Project Years:** FY 26-27  
FY 27-28

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$15,000.00	\$15,000.00	\$-	\$-	\$-

**Six-Year Project Cost:** \$30,000.00

Location	Character	Extent	Purpose & Necessity
Hastings Yard	Soft excavation is required very frequently due to: 1) congestion of underground utilities throughout our service territory, 2) City has a moratorium on mechanical excavation November 15 through April where soft excavation such as vacuuming can often be allowed, 3) can be used to install sleeves under sidewalks and narrow driveways.	N/A	<p>Goal and Purpose: reduce dependency on contractors and rented equipment. The purchase of soft excavating equipment reduces delays in construction, labor savings in lieu of hand-digging, allows some work to be done during the City's moratorium, the unit we are looking at allows for some excavation during frost season (which is not typically available to us through our rental companies), may be used to vacuum catch basins, leaves, etc., all of which saves labor or contracting costs. The new Rules and Regulations will result in a change to many installations to be customer-installed conduit; when this happens they will stop short of poles and our equipment, which would be perfect to use a vac truck instead of hand digging. This can also be used for helping with fiber installations &amp; repairs.</p> <p>The replacing of aging trailers will ensure the safe and reliable transportation of our equipment. The aged trailers could be sold or reviewed for use by other departments.</p>

## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** Capital Equipment (NEW)

#### Project Information

**Project Owner:** Daren Dixon

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Capital Equipment Purchases. Purchase of a vacuum trailer to prevent renting of vacuum truck, which creates delays, costs more. It also will prevent a great deal of hand-digging labor, particularly as more will be needed with customer-installed conduit, which is expected to increase from changes to the Rules and Regulations. The replacement of trailers that are >12 years old is to ensure safe and reliable transportation of company equipment.

**Category:** Distribution

**Funding Sources:** Financing

**Subcategory:** Equipment and Tools

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$135,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$135,000.00

Location	Character	Extent	Purpose & Necessity
Hastings Yard	Soft excavation is required very frequently due to: 1) congestion of underground utilities throughout our service territory, 2) City has a moratorium on mechanical excavation November 15 through April where soft excavation such as vacuuming can often be allowed, 3) can be used to install sleeves under sidewalks and narrow driveways.	N/A	<p>Goal and Purpose: reduce dependency on contractors and rented equipment. The purchase of soft excavating equipment reduces delays in construction, labor savings in lieu of hand-digging, allows some work to be done during the City's moratorium, the unit we are looking at allows for some excavation during frost season (which is not typically available to us through our rental companies), may be used to vacuum catch basins, leaves, etc., all of which saves labor or contracting costs. The new Rules and Regulations will result in a change to many installations to be customer-installed conduit; when this happens they will stop short of poles and our equipment, which would be perfect to use a vac truck instead of hand digging. This can also be used for helping with fiber installations &amp; repairs.</p> <p>The replacing of aging trailers will ensure the safe and reliable transportation of our equipment. The aged trailers could be sold or reviewed for use by other departments.</p>



# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Capital Tools

### Project Information

**Project Owner:** Daren Dixon/Andy Bott

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Purchase of capital tools, typically for replacement of existing tools for line construction and maintenance; however, occasionally to provide new capabilities.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Equipment and Tools

**Project Years:**

FY 25-26  
FY 26-27  
FY 27-28  
FY 28-29  
FY 29-30  
FY 30-31

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$15,000.00	\$15,000.00	\$10,000.00	\$8,000.00	\$8,000.00	\$8,000.00

**Six-Year Project Cost:** \$64,000.00

Location	Character	Extent	Purpose & Necessity
N/A	This is not a project, but rather purchases. These tools will be used on a multitude of projects.	This is not a project, but rather purchases. These tools will be used on a multitude of projects.	TCLP uses many capital tools to install, operate and maintain transmission and distribution lines. Not having the proper, reliable tools can result in project or service restoration delays, additional costs in manpower, and damage to company or customer facilities. The purpose here is to ensure that funds are earmarked for proactive replacement as well as replacement due to failure. The objective is to ensure line crews have the proper tools to do the work without failure to the best extent possible so as to avoid delays, additional manpower costs, and pressure to use other tools that are not meant for the work required.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Extensions and New Services

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Bucket of funds available to perform distribution system additions or upgrades in order to feed new load.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Extensions, New Services and Line Improvements

**Project Years:**  
FY 25-26  
FY 26-27  
FY 27-28  
FY 28-29  
FY 29-30  
FY 30-31

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$875,000.00	\$900,000.00	\$925,000.00	\$950,000.00	\$975,000.00	\$1,000,000.00

**Six-Year Project Cost:** \$5,625,000.00

Location	Character	Extent	Purpose & Necessity
Entire service territory	Overhead and underground facilities to be determined by existing facilities and developer/customer requests. Includes construction/replacement of services, wire, poles, cabinets, transformers, and meters.	Possible right of way permits.	To serve projected new load.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Overhead Line Improvements

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Fund to perform minor upgrade and replacement projects for overhead lines.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Extensions, New Services and Line Improvements

**Project Years:**

FY 25-26  
FY 26-27  
FY 27-28  
FY 28-29  
FY 29-30  
FY 30-31

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$550,000.00	\$450,000.00	\$475,000.00	\$500,000.00	\$525,000.00	\$550,000.00

**Six-Year Project Cost:** \$3,050,000.00

Location	Character	Extent	Purpose & Necessity
Entire service area	Replacement of poles, wires, and other pole mounted equipment.	Possible new construction types which will limit impact to adjacent properties.	Replace end of life facilities and perform capacity upgrades as required to maintain system reliability.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Underground Line Improvements

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Fund to perform minor upgrade and replacement projects for underground lines and selectively converting lines to underground.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Extensions, New Services and Line Improvements

**Project Years:**  
FY 25-26  
FY 26-27  
FY 27-28  
FY 28-29  
FY 29-30  
FY 30-31

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$450,000.00	\$475,000.00	\$500,000.00	\$525,000.00	\$550,000.00	\$575,000.00

**Six-Year Project Cost:** \$3,075,000.00

Location	Character	Extent	Purpose & Necessity
Entire service area.	Replacement of underground wire and equipment, new installation of conduit, wire, equipment, etc.	Underground conversions will remove overhead facilities from in and around properties.	Replace end of life facilities, perform capacity upgrades, and convert overhead facilities to underground as required to maintain system reliability.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Meter Procurement

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Procurement of electrical meters. Starting in 2029-30 the utility will begin the replacement of the initial install of AMI meters as they have a 10 year life cycle. This is solely an initial estimate cost of the meters with further analysis to be completed in future years.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Meters

**Project Years:**  
FY 25-26  
FY 26-27  
FY 27-28  
FY 28-29  
FY 29-30  
FY 30-31

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$140,000.00	\$147,000.00	\$154,000.00	\$161,700.00	\$437,500.00	\$875,000.00

**Six-Year Project Cost:** \$1,915,200

Location	Character	Extent	Purpose & Necessity
Electric Service Territory	Replacement of non- working meters and installation of meters at new locations.	Annual Program	Monitor electric consumption and accurately bill customers.

## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** Division and South Airport Automatic Healing (NEW)

#### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Install new devices and communications to sectionalize the looped line along South Airport and Division and allow automatic system restoration. This will provide benefits to the planet's health increasing the efficiency of the grid and minimizing energy waste. It also reduces the need for backup generators and the associate emissions and has fast adaptability to renewable energy fluctuations.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Smart Grid

**Project Years:** FY 28-29

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$-	\$-	\$300,000.00	\$-	\$-

**Six-Year Project Cost:** \$300,000.00

Location	Character	Extent	Purpose & Necessity
South Airport from Cass Rd to Day Dr, then west to end of street, then north to Mackey Dr, then west to Division St, then north to Franke Rd, then north to Silver Lake Rd then east to unimproved section of S Elmwood Rd then north to east branch of Men's Trail.	Installation of three phase load break devices and fiber communications between devices.	Equipment will be installed on existing poles and in existing equipment, no discernible difference.	To allow the distribution circuit to automatically remove a bad section of line and restore power to all unaffected customers.

## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** Smart Grid - Capacitor Banks

#### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Replacement of capacitor bank and controls with updated devices to allow for remote controls to better regulate voltage and VAR throughout the system

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Smart Grid

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$180,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$180,000.00

Location	Character	Extent	Purpose & Necessity
Throughout the entire service area.	Replacement of capacitor bank and controls with updated devices to allow for remote controls to better regulate voltage and VAR throughout the system.	Capacitor banks throughout the distribution system	Replacement of capacitor bank and controls with updated devices to allow for remote controls to better regulate voltage and VAR throughout the system.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** AMI Upgrade

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Customer Experience

**Project Description:**

There are areas of improvements for TCLP's AMI network to expand coverage for meters that are coming into the system in a timely manner

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Smart Grid

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$25,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$25,000.00

Location	Character	Extent	Purpose & Necessity
N/A	No zoning impacts	No zoning impacts	The goal is to improve TCLP's AMI network



## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** Street and Area Lighting Projects

#### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Customer Satisfaction

**Project Description:**

Fund to perform minor upgrade and replacement projects for streetlights. The utility is undergoing a Street Lighting Plan in association with the City and Downtown Development Authority which will cover various topics including the transition of the remaining high pressure sodium lights to LED.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Street and Area Lighting

**Project Years:**  
FY 25-26  
FY 26-27  
FY 27-28  
FY 28-29  
FY 29-30  
FY 30-31

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$150,000.00	\$160,000.00	\$160,000.00	\$170,000.00	\$170,000.00	\$180,000.00

**Six-Year Project Cost:** \$990,000.00

Location	Character	Extent	Purpose & Necessity
Entire service area	Installation of new poles, wire, and lights, replacement of existing lights.	Possible new lighting additions.	Addition of lights based on customer requests, and replacement of end of life or damaged lights.

## FY 2025-26 Six-Year Capital Improvement Plan

**Project Title:** Cass Road #1 Transformer

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Replacement of the Cass Road #1 substation transformer with a larger transformer. This proactively replaces the oldest substation transformer in the system, and allows for future growth. This transformer was identified as being overloaded on a N-1 contingency in Cass Road Substation.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Substation Improvements

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$100,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$100,000.00

Location	Character	Extent	Purpose & Necessity
Cass Road Substation on Sybrandt Rd.	Transformer is of similar physical size to existing, so no appreciable visual difference to the public. Transformer will be slightly quieter than existing.	No zoning impacts	Replacing the transformer proactively prior to a failure and adding additional capacity to avoid an overloaded condition in certain contingencies as well as adding additional capacity for future growth.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Distribution Substation Relay Replacement

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Replacement of existing SEL 351R and 351S relays on TCLP distribution circuits with modern 651R and 851 relays. This is to proactively replace relays before failure and allow additional smart grid capabilities.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Substation Improvements

**Project Years:** FY 28-29

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$-	\$-	\$300,000.00	\$-	\$-

**Six-Year Project Cost:** \$300,000.00

Location	Character	Extent	Purpose & Necessity
Cass, Hall, and Barlow Substations	Relays will be of similar size and require minimal modification to be installed in existing relay locations.	No zoning impacts	To gain additional smart grid capability including automatic circuit healing ability. Also to replace relays that have reached end of expected life.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Operational Technology Solutions

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Optimization of TCLP's current OT environment and performing recommendations from external study.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Substation Improvements

**Project Years:** FY 26-27

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$450,000.00	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$450,000.00

Location	Character	Extent	Purpose & Necessity
TCLP Service Territory	Moving TCLP's current OT solutions to modernized and secure environments	Will upgrade technology in substations to modern solutions	Replace and update failing legacy hardware and software

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Substation Fiber (NEW)

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Finish the fiber connections for the following substations: Barlow to Parsons, South to Barlow, and Hall to Gray

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Substation Improvements

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$70,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$70,000.00

Location	Character	Extent	Purpose & Necessity
Barlow to Parsons, South to Barlow, and Hall to Gray	There will be no impact on zoning with this project. TCLP will utilize existing pole lines and pathways for this project where there are already electric lines	No impact on environment in perspective to zoning	The goal is to finalize and bring in the OPGW to the substations and terminate the fiber. Currently, these projects have had OPGW installed and coiled up outside of the substation. This particular project will complete the installation of the fiber into the substations.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Substation Improvement Projects

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Fund to perform substation improvements which will be capitalized. Includes replacement of minor items of low cost not worth creating a CIP project for, and minor upgrades.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Substation Improvements

**Project Years:**  
FY 25-26  
FY 26-27  
FY 27-28  
FY 28-29  
FY 29-30  
FY 30-31

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$50,000.00	\$55,000.00	\$55,000.00	\$60,000.00	\$60,000.00	\$65,000.00

**Six-Year Project Cost:** \$345,000.00

Location	Character	Extent	Purpose & Necessity
Entire service area.	Replacement of existing and addition of minor equipment.	No appreciable affect.	To proactively replace equipment that has reached end of life prior to failure. Also to upgrade equipment to add functionality or reliability to the substation enhancing quality of service.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Substation Networking (NEW)

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Technology Transition

**Project Description:**

Computer updates to keep substation networking infrastructure up to date.

**Category:** Distribution

**Funding Sources:** Internal

**Subcategory:** Substation Improvements

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$140,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$140,000.00

Location	Character	Extent	Purpose & Necessity
All TCLP substations	There are no zoning requirements for this project	No zoning impacts	The goal is to update and replace networking gear within TCLP substations. This current gear was installed in 2007 and is now 17 years old when we are looking to replace. Typical lifespan for this equipment is 10-15 years and we were originally looking to replace this FY (24-25). However, we were given a 'fast track' timeline to procure this equipment at the end of the FY 23-24, but there was just not enough time to procure and install when we received the green light. As a result, we are requested for FY 25-26. This project is necessary to upgrade necessary infrastructure to continue to apply security updates to networking infrastructure to protect TCLP from cyber incidents and allow for continued TCLP substation operations.

## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** Park Place Undergrounding (NEW)

#### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Community Enrichment

**Project Description:**

Undergrounding of the overhead distribution line that currently goes over a portion of the Park Place Hotel building. This project includes installing new three phase underground primary around the Park Place Hotel parcel in public ROW. This will allow further development on the Park Place Hotel property and alleviate a minor safety concern of the existing overhead line over a portion of the building.

**Category:** Distribution

**Funding Sources:** Local Grant/ Contribution

**Subcategory:** Underground Line Improvements

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$200,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$200,000.00

Location	Character	Extent	Purpose & Necessity
New underground facilities continuing from where the current underground ends at the north east corner of parking lot N, thence along the eastern edge of parking lot N south to Washington St then east along the north side of Washington St to the north-south alley just east of the south Park Place entrance, where it will continue north to the existing overhead line.	Most of the facilities will be located underground with exception of a few above ground pad mounted devices. This is in an area that has mostly underground facilities.	This will allow easier development of empty property and improve the ascetics of the down town area in an area that has seen a recent influx of new development.	This project was identified in the Brownfield plan with the last expansion of the Park Place Hotel with the goal of enhancing the aesthetics of the area and allow future development.



## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** TC EV Expansion

#### Project Information

**Project Owner:** Jacob Hardy

**Strategic Priority:** Environmental Sustainability

**Project Description:**

This is for new EV charging stations that will be a part of the National Electric Vehicle Infrastructure grant. We would be required to have 4 plugs that would each be able to charge at 150kW or greater

**Category:** Electric Vehicle Charging Station

**Funding Sources:** Internal

**Subcategory:** Electric Vehicle Charging Station

**Project Years:** FY 26-27  
FY 28-29

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$75,000.00	\$-	\$75,000.00	\$-	\$-

**Six-Year Project Cost:** \$150,000.00

Location	Character	Extent	Purpose & Necessity
N/A	2 - 4 DCFC charging stations. A new service may be needed to feed them but it would be a minimal impact.	Minimal to no impact	This would expand our TCEV Network and be the fastest chargers yet in the area. Given the requirements of the NEVI program it would be high visibility and along a busy corridor.

## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** TC EV Expansion

#### Project Information

**Project Owner:** Jacob Hardy

**Strategic Priority:** Environmental Sustainability

**Project Description:**

This is for new EV charging stations that will be a part of the National Electric Vehicle Infrastructure grant. We would be required to have 4 plugs that would each be able to charge at 150kW or greater

**Category:** Electric Vehicle Charging Station

**Funding Sources:** Federal/State

**Subcategory:** Electric Vehicle Charging Station

**Project Years:** FY 26-27  
FY 28-29

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$75,000.00	\$-	\$75,000.00	\$-	\$-

**Six-Year Project Cost:** \$150,000.00

Location	Character	Extent	Purpose & Necessity
N/A	2 - 4 DCFC charging stations. A new service may be needed to feed them but it would be a minimal impact.	Minimal to no impact	This would expand our TCEV Network and be the fastest chargers yet in the area. Given the requirements of the NEVI program it would be high visibility and along a busy corridor.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Facility Improvement Projects

### Project Information

**Project Owner:** Jacob Hardy

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

With an aging infrastructure and all the systems (i.e. mechanical and electrical) aging as well, repairs have been on the rise. The \$50,000 budgeted in the past is no longer enough to keep everything running or replaced if necessary. There is also a need for facility remodels and upgrades to provide the appropriate space needed to operate.

**Category:** Facilities

**Funding Sources:** Internal

**Subcategory:** Facility Improvements

**Project Years:**  
FY 25-26  
FY 26-27  
FY 27-28  
FY 28-29  
FY 29-30  
FY 30-31

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00

**Six-Year Project Cost:** \$300,000.00

Location	Character	Extent	Purpose & Necessity
Hastings Service Center and Hall St Customer Service Center	Unknown, most likely none	For all projects I look to see what we can do to reduce our carbon footprint and electrify.	To maintain facilities.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** HVAC Units (NEW)

### Project Information

**Project Owner:** Jacob Hardy / Scott Menhart **Strategic Priority:** Operational & Financial Excellence

**Category:** Facilities

**Funding Sources:** Internal

**Subcategory:** Facility Improvements

**Project Years:** FY 25-26

**Fund:** Electric Fund

**Project Description:**

Replace failing HVAC unit in Hastings and install HVAC unit for electric datacenter in Hall

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$275,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$275,000.00

Location	Character	Extent	Purpose & Necessity
1131 Hastings	No zoning impacts	No zoning impacts	The goal/purpose of this is to have adequate HVAC equipment to power TCLP's datacenters

## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** Radio Repeater Move (NEW)

#### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Employee Excellence

**Project Description:**

Installing the radio repeater on TCLP owned equipment to remove part of the tower hosting fees TCLP is billed monthly

**Category:** Facilities

**Funding Sources:** Internal

**Subcategory:** Facility Improvements

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$20,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$20,000.00

Location	Character	Extent	Purpose & Necessity
N/A	No zoning impacts	No zoning impacts	Relocate TCLP's radio communications devices to TCLP owned equipment to remove the monthly tower billing

## FY 2025-26 Six-Year Capital Improvement Plan

**Project Title:** ESO Room Updates (NEW)

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Employee Excellence

**Project Description:**

Installing new TVs and other tech equipment into the ESO/Dispatch Room

**Category:** Facilities

**Funding Sources:** Internal

**Subcategory:** Facility Improvements

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$20,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$20,000.00

Location	Character	Extent	Purpose & Necessity
1131 Hastings	No zoning impacts	No zoning impacts	The recent facility updates to the ESO/Dispatch room did not originally call for tech upgrades. After speaking with Daren/Jake, they would like to do some tech upgrades within the room.

## FY 2025-26 Six-Year Capital Improvement Plan

**Project Title:** Computers (NEW)

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Technology Transition

**Project Description:**

Computer updates to keep infrastructure up to date given Microsoft no longer supporting legacy Operating Systems.

**Category:** Facilities

**Funding Sources:** Internal

**Subcategory:** Technology

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$56,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$56,000.00

Location	Character	Extent	Purpose & Necessity
1131 Hastings	There are no zoning requirements for this project	No zoning impacts	The goal is to replace computers that no longer meet Microsoft support standards for Operating Systems. This project is necessary to upgrade necessary infrastructure to continue to apply security updates to computer hardware to protect TCLP from cyber incidents.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Data Center Updates

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

TCLP's Primary Datacenter - Keeping current and up-to-date

**Category:** Facilities

**Funding Sources:** Internal

**Subcategory:** Technology

**Project Years:** FY 26-27  
FY 29-30

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$150,000.00	\$-	\$-	\$175,000.00	\$-

**Six-Year Project Cost:** \$325,000.00

Location	Character	Extent	Purpose & Necessity
TCLP Data center locations - physical addresses withheld for security	TCLP's Primary Datacenter - Keeping current and up-to-date	No impacts in perspective to zoning.	TCLP's Primary Datacenter - Keeping current and up-to-date



# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Security Information and Event Mgmt (SIEM) (NEW)

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Technology Transition

**Project Description:**

SIEM systems combine security information management (SIM) and security event management (SEM) to correlate data from across an IT environment. It can generate alerts and automate responses to potential security incidents in real-time, effectively stopping cybersecurity incidents from happening 24/7/365.

**Category:** Facilities

**Funding Sources:** Internal

**Subcategory:** Technology

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$50,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$50,000.00

Location	Character	Extent	Purpose & Necessity
1131 Hastings	No zoning impacts	No zoning impacts	<p>Centralized Log Management: Collects, stores, and manages logs from diverse systems, applications, and devices to provide a single pane of visibility into your IT environment.</p> <p>Threat Detection: Identifies unusual patterns or behavior, such as unauthorized access, malware, or insider threats, by correlating data across systems in real-time.</p> <p>Incident Response: Provides tools for identifying and prioritizing security incidents, enabling quicker and more effective responses.</p> <p>Compliance: Helps organizations meet regulatory requirements (e.g., GDPR, HIPAA, PCI-DSS) by generating reports and maintaining auditable logs.</p> <p>Forensic Analysis: Facilitates root-cause analysis by enabling in-depth investigation of security events and trends over time.</p> <p>Operational Efficiency: Reduces the workload on IT teams by automating log correlation, alert generation, and prioritization of risks.</p> <p>Evolving Threat Landscape: Cyberattacks are becoming more sophisticated, requiring advanced tools to detect and respond to threats effectively.</p> <p>Data Breach Prevention: Proactively identifies vulnerabilities or anomalies before they lead to a data breach.</p> <p>Regulatory Compliance: Organizations must adhere to strict compliance standards, which require tracking, logging, and reporting on security events.</p> <p>Visibility Across IT Infrastructure: With hybrid or multi-cloud environments, a SIEM ensures consistent monitoring across diverse and dispersed systems.</p> <p>Risk Mitigation: Reduces the financial and reputational risk associated with security breaches and non-compliance.</p> <p>Scalability: Provides a scalable solution for organizations as they grow, ensuring security monitoring adapts to increasing data and system complexity.</p>

## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** Rate Analysis Calculator (NEW)

#### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Customer Experience

**Project Description:**

A Rate Analysis Calculator is an online tool designed to help utility customers evaluate and compare different electricity rate plans based on their unique usage patterns. By inputting specific data - such as historical energy consumption, appliance usage, or anticipated changes like the adoption of electric vehicles - customers can: 1) Compare Rate Plans, 2) Analyze Consumption Patterns, 3) Evaluate Demand Response Programs, and 4) Plan for Electrification

**Category:** Facilities

**Funding Sources:** Internal

**Subcategory:** Technology

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$40,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$40,000.00

Location	Character	Extent	Purpose & Necessity
1131 Hastings	No zoning impacts	No zoning impacts	This will enhance the customer experience by providing a tool to allow customers to make informed decisions that can lead to costs savings and more energy efficient use. More specifically it will provide the following functionality - 1) Potential costs across various rate structures, including time of use rates which charge different prices based on the time of day, 2) Understand how shifting energy use to off-peak periods can lead to savings 3) Assuming TCLP's eventual evolution towards demand response programs; determine the financial benefits of participating in programs that incentivize reduced usage during peak demand times, 4) Estimate the impact of adding new electrical loads, such as electric vehicles or heat pumps, on overall energy costs. This will provide transparency and personalized insights into energy costs, thereby supporting informed decision-making regarding rate plans and energy consumption behaviors.

## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** Hall Street Renewable Demonstration Investment

#### Project Information

**Project Owner:** Jacob Hardy

**Strategic Priority:** Environmental Sustainability

**Project Description:**

This will be a solar demonstration at our Hall St customer service center. The intent is to have a display within the customer service area that customer would be able to view in real time. I am also hoping to have an interactive experience included for the customer. The infrastructure that would hold the solar panels will also provide covered parking along the south side of the parking lot.

**Category:** Facilities

**Funding Sources:** Internal

**Subcategory:** Facility Improvements

**Project Years:** FY 25-26

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$200,000.00	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$200,000.00

Location	Character	Extent	Purpose & Necessity
130 Hall St - Hall St Substation	Unknow at this time. Should not make a difference with zoning.	This project will be climate friendly, but at the intended size would not make a large direct impact. The intention is to showcase a renewable system and allow customers to see how it works. The demo would be interactive for customers.	The main goal of the project is to provide customer an opportunity of what a renewable system would look like and how it operates if they were to add it to their home. Will aim to include an interactive portion to educate and engage with customers.

## FY 2025-26

### Six-Year Capital Improvement Plan

**Project Title:** Renewable/Battery Storage Demonstration

#### Project Information

**Project Owner:** Jacob Hardy

**Strategic Priority:** Environmental Sustainability

**Project Description:**

This is for a local solar project including a battery storage component following the implementation recommendations of the Climate Action Plan .

**Category:** Generation

**Funding Sources:** Federal/State

**Subcategory:** Generation

**Project Years:** FY 28-29

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$-	\$-	\$3,500,000.00	\$-	\$-

**Six-Year Project Cost:** \$3,500,000.00

Location	Character	Extent	Purpose & Necessity
N/A	Unknown, most likely none	Still working on details of this project but I would hope to be able to do a 1-2 MW system	The goal of the project would be to bring more local solar to the area and allow our customers to participate in some capacity.

## FY 2025-26 Six-Year Capital Improvement Plan

**Project Title:** Upgrade Front Street Underground Lighting Circuits and Receptacles

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Replace conduit and wires feeding the lights and receptacles along Front St to increase capacity and replace end of life wire.

**Category:** Joint TCLP (City or other Government) **Funding Sources:** Internal

**Subcategory:** Underground Line Improvements **Project Years:** FY 28-29  
FY 29-30  
FY 30-31

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$-	\$-	\$500,000.00	\$500,000.00	\$500,000.00

**Six-Year Project Cost:** \$1,500,000.00

Location	Character	Extent	Purpose & Necessity
Front St from Pine St to Boardman Ave.	Replacing existing underground facilities.	Additional capacity in the receptacles circuit allowing DDA to utilize them for more events.	Wire is near end of life and has had failures. Conduit installed was of low quality and has become broken in multiple areas. New controllers are needed to breakup circuits and allow more capacity.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Transmission Substation Relay Replacement

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Replace 311B and 311C relays in Grand Traverse, South, Barlow, Parsons, and East Hammond substations with 311L and T401L relays, and complete transmission fiber interconnection between substations to facilitate direct relay communication.

**Category:** Transmission

**Funding Sources:** Internal

**Subcategory:** Substation Improvements

**Project Years:** FY 27-28

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$-	\$650,000.00	\$-	\$-	\$-

**Six-Year Project Cost:** \$650,000.00

Location	Character	Extent	Purpose & Necessity
Grand Traverse, South, Barlow, Parsons, and East Hammond substations	Relays will be installed inside existing control houses.	No zoning impacts	To use a superior protection scheme for the transmission lines allowing for faster line clearing. This will lead to less thermal damage on the transmission lines. The T401L is a time domain relay which is currently the cutting edge of transmission line protection.

## FY 2025-26 Six-Year Capital Improvement Plan

**Project Title:** Cass Road Substation to Cass Junction

### Project Information

**Project Owner:** Tony Chartrand

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Rebuilding of the transmission line including pole replacement and conductor change from 477 ACSR to 795 ACSS. This addresses age and future capacity limitations of the line. Possibly move center line from west side of Cass north of 17th to align with distribution circuits on east side of road.

**Category:** Transmission

**Funding Sources:** Internal

**Subcategory:** Transmission Line Reconstruction **Project Years:** FY 29-30  
FY 30-31

**Fund:** Electric Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$-	\$-	\$-	\$-	\$883,200.00	\$883,200.00

**Six-Year Project Cost:** \$1,766,400.00

Location	Character	Extent	Purpose & Necessity
Along Sybrandt Rd and Cass St from Cass Substation on Sybrandt Rd to the alley north of 12th St.	The line will be taller and better designed to minimize tree disturbance. Allowing trees to grow larger and minimizing impact on the build-ability of properties along the line.	Will require city right of way permit.	Upgraded conductor will allow more capacity to supply for future growth and switching operations. Proactive replacement of old poles which are too large for TCLP equipment to maintain. New design to minimize tree disturbances.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Smart Grid Expansion

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Deploying fiber throughout the electric service territory to create necessary infrastructure for smart grid projects.

**Category:** Fiber

**Funding Sources:** Financing

**Subcategory:** Smart Grid

**Project Years:** FY 25-26

**Fund:** Fiber Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$13,440,000	\$-	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$13,440,000

Location	Character	Extent	Purpose & Necessity
TCLP service areas	There will be fiber placed throughout the Traverse City area	Deploying fiber optic network throughout the Traverse City area	The purpose of the project is to create a Smart Grid network for a wide variety of future planned TCLP initiatives.



# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Fiber Drop Costs (NEW)

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Strategic Plan Objective (Primary)

**Project Description:**

Connect customers from the Smart Grid backbone to the network interface devices located on the customer's house/building.

**Category:** Fiber

**Funding Sources:** Financing

**Subcategory:** Smart Grid

**Project Years:** FY 25-26  
FY 26-27

**Fund:** Fiber

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$1,000,000	\$960,000	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$1,960,000

Location	Character	Extent	Purpose & Necessity
Various locations within the City proper.	Overhead and underground facilities to be determined by existing infrastructure and developer/customer requests.	Possible right of way permits.	To serve the utility rate payers with broadband services.

## FY 2025-26 Six-Year Capital Improvement Plan

**Project Title:** Fiber Equipment (NEW)

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Not a project, but rather equipment for fiber

**Category:** Fiber

**Funding Sources:** Internal

**Subcategory:** Fiber to the Premise

**Project Years:** FY 25-26  
FY 26-27

**Fund:** Fiber Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$150,000.00	\$150,000.00	\$-	\$-	\$-	\$-

**Six-Year Project Cost:** \$300,000.00

Location	Character	Extent	Purpose & Necessity
1131 Hastings	No zoning impacts	No zoning impacts	The goal/purpose of this is to have value set aside for equipment the fiber department may need during the startup phase of the SGFTTP project.

# FY 2025-26

## Six-Year Capital Improvement Plan

**Project Title:** Capital Tools - Fiber

### Project Information

**Project Owner:** Scott Menhart

**Strategic Priority:** Operational & Financial Excellence

**Project Description:**

Tools to perform O&M on fiber network.

**Category:** Other

**Funding Sources:** Internal

**Subcategory:** Other

**Project Years:**  
FY 25-26  
FY 26-27  
FY 27-28  
FY 28-29  
FY 29-30  
FY 30-31

**Fund:** Fiber Fund

FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
\$75,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00

**Six-Year Project Cost:** \$175,000.00

Location	Character	Extent	Purpose & Necessity
TCLP service territory	No zoning impacts, Tools	Tools, no impact on zoning	Necessary tools to perform O&M on TCLP fiber