



**2023-2028
CAPITAL IMPROVEMENT
PLAN**



City of Petoskey

MEMO

DATE: August 12, 2022

TO: Planning Commission
Honorable John Murphy, Mayor
City Council

FROM: Shane Horn, City Manager

SUBJECT: FY 2023-2028 Capital Budget Recommendation

The six-year departmental Capital Improvement Plan (CIP) covering the period of Fiscal Year (FY) 2023-2028, is presented for review and consideration. The CIP is a planning and fiscal management tool used to coordinate the location, timing, and financing of capital improvements over a multi-year period. Capital improvements refer to major, non-recurring physical expenditures such as land, buildings, public infrastructure and equipment.

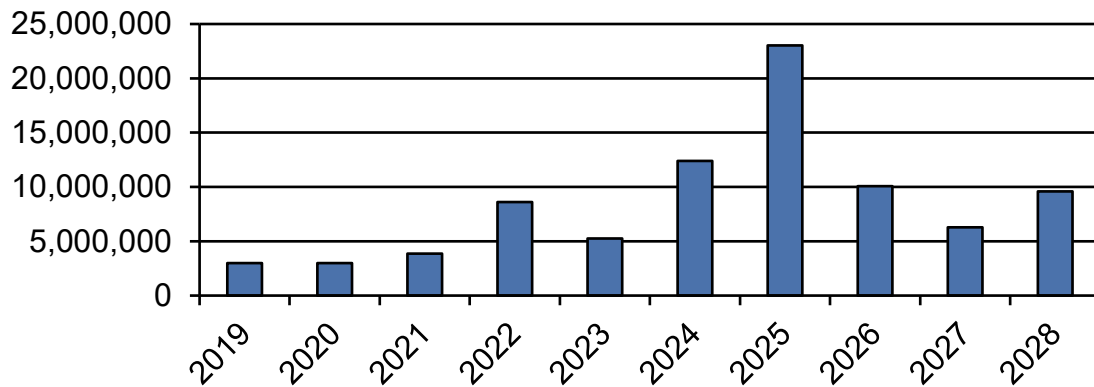
Planning for capital improvements helps build the foundation for the implementation of strategic planning efforts and priorities of City Council while ensuring for the efficient and effective use of public funds. Capital improvement planning helps guide future growth and development while maintaining a financially sound guide for effective decision-making.

The Capital Improvement Plan provides significant direction to the City on funding priorities. Those projects and programs associated within the first year of the plan will be financed and adopted in the Annual Budget. As this is a planning document, programs and projects in subsequent years may be adjusted, modified or removed based upon future priorities and budget constraints.

The 2023-2028 Capital Improvement Plan totals \$67.4 million in expenditures. The FY 2023 budget anticipates a \$5.3 million allocation across all funds with \$710,000 from the General Fund.

The following chart compares the capital spending in previous years with the proposed 2023-2028 CIP.

2019-2028



The City has committed significant funding for infrastructure updates and enhancements over the past several years. The 2023 FY continues that investment with the following projects scheduled to be completed:

General Fund

- Demolition of 620 Ingalls Avenue \$710,000
- East Lake Street Fire Improvements
- Washington Park access engineering
- Winter Sports Park Roof
- Winter Sports Park Interior Renovations
- Little Traverse Wheelway Resurfacing

Streets and Drainage

\$1,180,000

- Porter and Maple
- Bridge Street – Franklin to the Bridge
- Sidewalk construction and replacement

Electric

\$1,303,000

- Undergrounding (Michigan, Grand, Bridge, Maple, Porter)
- Petoskey substation improvements
- GIS enhancements
- Backup generators

Water & Wastewater

\$1,270,000

- Water main spot repairs
- Water – Bridge Street (Franklin Street to the Bridge)
- Water – Emmet Street (E. Mitchell to Michigan Street)
- Sanitary Sewer Spot Repairs
- Sanitary – Bridge Street (Franklin Street to the Bridge)
- Sanitary – Emmet Street (E. Mitchell to Michigan Street)
- Ingalls pump station generator
- Water – Lead and Copper rule materials inventory
- Advanced Metering Infrastructure (AMI) system study

Motor Vehicle Pool \$572,000

- Staff vehicle replacement (EV)
- Public Works vehicle replacement
- Electric – bucket truck replacement
- Batwing mower replacement
- Public Safety – rescue cart (Bay Harbor)
- Patrol vehicle replacement (2)

TIFA \$260,000

- Arboretum Conversion
- Magnus Park Master Plan
- Pedestrian Bridge – City Hall

There are other long-term projects associated with the Capital Improvement Plan that are significant in nature and will need further input and prioritization as needs and budget discussions move forward.

The City has done a wonderful job in addressing critical infrastructure needs and has effectively prioritized resources. Addressing the LTW slope failure, Downtown parking, and other goals as listed in the Action Plan and 2021 Livable Petoskey Master Plan will remain key initiatives and require continued feedback and collaboration between staff, City Council and community leaders as we look to address these critical community needs.

The preparation of the Capital Improvement Plan is the result of significant time and effort from many City staff covering all departments. Department Heads have collaborated with their supervisors as needs are prioritized to ensure that essential services remain viable and accessible both today and into future planning efforts. My thanks and appreciation for their efforts in recognizing and prioritizing these critical needs to continue to position the City of Petoskey as a great place to live, work, and play.

Respectfully Submitted,



Shane Horn
City Manager

CIP Overview

The Capital Improvement Plan is a six-year schedule of proposed major capital projects, cost estimates and financing methods. The requirement for capital budgeting is found in Act 33 of the Michigan Public Acts of 2008 being the Michigan Planning Enabling Act.

The Capital Improvement Plan (CIP) establishes the City's blueprint for investment in its capital infrastructure. This document is used as a tool to help ensure that the City's long and short-term capital investments are made in the context of careful consideration of the City's needs as well as the resources available to fund all projects.

The financial guidelines used in the preparation of the CIP will provide assurance that the City can meet, in a full and timely manner, both our debt service obligations and all other obligations competing for available resources. It is our objective to complete as many needed capital improvement projects as financially possible while maintaining flexibility and the ability to adapt to changes as they occur.

Capital Improvement Plan vs. Annual Operating Budget

The Capital Improvement Plan and Annual Operating Budget are two critical documents prepared each year. The relationship between these two documents is summarized by the following points:

Capital Improvement Plan

- Represents a long-term financial plan, including funding sources.
- Establishes priorities and serves as a planning document or blueprint for the City's investment in capital infrastructure.
- Provides a breakdown of major project costs and their phasing.
- Does not appropriate money.
- As indicated by the above points, the Annual Operating Budget is the document which authorizes the actual funding for the major and non-major capital projects.

Annual Operating Budget

- Appropriates money to implement the first year of the Six-Year Capital Improvement plan.
- Appropriates money to implement current year's phase of a major, multi-year project.
- Appropriates money for operating expenditures and expenditures of a continuing nature.

Capital Improvement Plan Guidelines & Benefits

There are several key guidelines the Administration utilized in determining the City's fiscal capacity to complete capital projects over the next six years. These are summarized as follows:

- The Capital Improvement Plan will be reviewed and updated annually.
- The City has determined that paying cash for projects where financially possible (pay-as-you-go financing) reduces long term costs and maintains financial flexibility for the future. In utilizing pay-as-you-go financing, revenue projections and estimated fund balances will be reviewed and evaluated to assure that sufficient reserves are maintained.
- It is not economically feasible to issue debt for some projects, nor do all projects have a projected lifespan long enough to warrant the issuance of debt.
- Under current economic conditions, the ability to complete many projects will depend on identifying and obtaining outside sources of funding.
- Our philosophy for projecting property tax revenues is to be conservative. Between 2009 and 2012 property tax revenues decreased 20%. Fortunately, in the last three years the City has experienced increases in taxable value of 3.4% in 2019, and 2.9% in 2020 and 3.6% in 2021. For 2022, the City is being very conservative in our property tax revenue forecasts anticipating 2.5% in taxable value in 2022.

- The availability of adequate financial reserves or balances that can be used to address unforeseen contingencies or take advantage of sudden opportunities is a critical element in evaluating financial strength.
- Since a significant portion of outstanding debt and future capital improvements are related to the water and sewer utility, user fees associated with these utilities are evaluated in parallel with the CIP.
- As a matter of general policy, the City will do the following in order to be able to fund additional projects needed to serve the citizens of Petoskey:
 - Pursue, when feasible, federal, state and local assistance in the form of grants, low-interest loans, cost-sharing, etc.
 - Look increasingly at ways to obtain revenue through user fees as a means to fund capital projects or as a way to free-up other dollars so they may become available to fund capital projects.

There are many benefits of an effective and ongoing Capital Improvement Plan, including:

- Coordination of the community's physical planning with its fiscal planning capabilities;
- Ensuring that public improvements are undertaken in the most desirable order of priority;
- Assisting in stabilization of tax and utility rates and other charges over a period of years;
- Producing savings in total project costs by promoting a "pay as you go" policy of capital financing thereby reducing interest expense and financing costs;
- Providing adequate time for planning and engineering of proposed projects;
- Ensuring the maximum benefit of the monies expended for public improvements; and
- Scheduling municipal construction activities to be better coordinated with those of other public agencies within the community.

As a regional service center, the City of Petoskey streets, utilities (water, sewer, stormwater, electric), public facilities and parkland service much more than the City's 5,600 residents, therefore, the capital needs are many and will certainly surpass available resources. Capital improvement planning and budgeting encourages the early identification of those needs and resources and thus improves the scheduling, financing, and coordination of individual and related projects to reflect the goals and objectives established in the City's Master Plan and other planning documents.

Funding Sources

The City of Petoskey primarily uses the General Fund, Enterprise Funds or Special Revenue Funds for capital project funding. Examples of Enterprise Funds in this CIP are Parking, Water, Sewer and Electric Funds. Special Revenue Funds are supported by resources dedicated to a specific use, but not supported entirely by their own fee structures. An example is the Right-of-Way Improvement Fund, which receives revenues through annual property-tax levies to offset costs of maintenance, operations and public improvements within street rights-of-way. Capital outlays for buildings and grounds, including parkland, come primarily from the General Fund or Tax Increment Finance Fund. Outside sources of funding have also significantly contributed to capital projects and are reflected in the current capital plan as well. Projects that identify outside funding sources have a more uncertain time-frame, but staff has attempted to be realistic with projections based on the need for a match in local funding.

Capital Improvement Plan and Structure

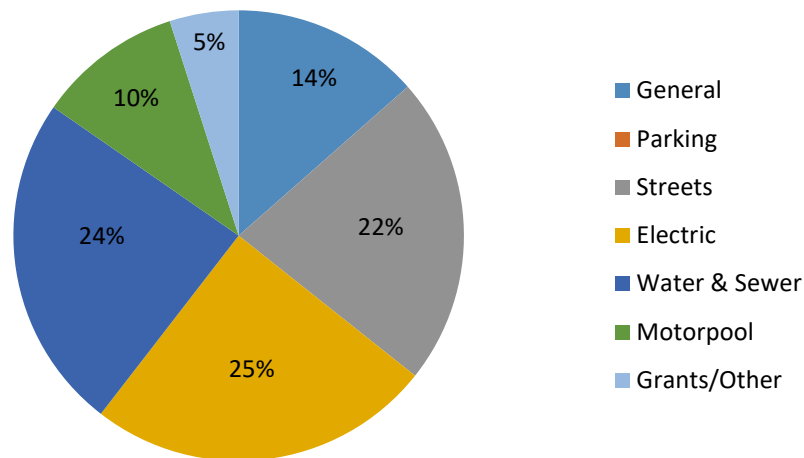
A capital expenditure is defined as an item that has a significant value and a useful life greater than three years. Expenditures for building construction and renovation, land purchases and improvements, and major equipment are generally capital expenditures in contrast to operating costs such as salaries, supplies and services that are budgeted annually in the various department operating budgets.

Significant value is defined for purposes of the Plan as any infrastructure project that costs \$25,000 or more and any equipment, materials or vehicles that cost \$10,000 or more. Minor capital purchases such as office furniture, computers, etc. are not included in this document.

Projects that correspond with City priorities and have a potential funding source available, are included in the Plan. The Capital Improvement Plan is then presented to both the Planning Commission and City Council. The CIP is designed to be amended on an annual basis, as projects scheduled in later years are identified on a needs basis, and may not have an available funding source. Projects can be added or subtracted as the needs and resources of the community change.

The 2023-2028 CIP provides information on seven project funding categories including: General; Parking; Streets; Electric; Water and Sewer; Motor Vehicle Pool; and Grants/Other.

2023 Capital Expenditures by Fund



2023 Scheduled Capital Improvement Projects

Streets and Drainage

In 2023, Bridge Street from Franklin Street to the Bridge will be fully reconstructed with new pavement, ADA ramps and new sidewalks. Mitchell Street from US 31 to Emmet Street, including Emmet Street from Mitchell Street to Michigan Street will include a reconfiguration of sidewalks, lighting, signage, and landscaping in conjunction with redevelopment of 400 Emmet Street.

The City will also earmark \$300,000 to complete miscellaneous pavement preservation, paving and street repairs. Porter and Maple Streets are considered based upon their current fair to poor PASER ratings.

Water and Wastewater System

Water and sanitary sewer mains will be replaced as part of the street reconstruction work on Bridge Street from Franklin Street to the Bridge and Mitchell Street from US 31 to Emmet Street including Emmet Street from Mitchell Street to Michigan Street. Costs for both water and sewer main replacement are estimated at \$745,000 including replacement of all lead and copper water service lines that are encountered when replacing the underground utilities. We have also budgeted \$50,000 for miscellaneous water and sewer spot repairs and upgrades that we may encounter during 2023.

Sidewalks

In our continuing efforts to improve upon walkability within the City of Petoskey, the City has budgeted \$260,000 for sidewalk additions and replacements in conjunction with the Bridge Street reconstruction project between Franklin Street and the Bridge as well as miscellaneous City-wide sidewalk spot repairs will also be completed in 2023.

Electric System

Each year the City makes substantial investments into the municipal electric distribution system enhancing reliability through system upgrades and the undergrounding of overhead electric lines. In 2023, the City will continue its strong investments in the electric distribution system by earmarking \$1.3 million for system-wide upgrades.

Specifically, \$978,000 has been earmarked for the installation of three-phase underground lines in the residential areas Michigan Street, Grand Avenue, and Bridge, Maple and Porter Streets. Not only does undergrounding electric lines improve reliability of our municipal electric service delivery but it also creates more aesthetically pleasing neighborhoods. This underground electric infrastructure project will also create valuable circuit redundancy for the downtown area minimizing the duration and frequency of electric outages. The City will also be completing electrical substation maintenance on the Mitchell Street and Petoskey Substation. Costs for substation repairs are estimated at \$50,000. We are also adding \$200,000 of mobile backup generators for critical facilities and studying the initial phase of Automated Metering Infrastructure (AMI) for the water system.

Lastly, \$50,000 has been budgeted to complete additional Geographical Information Systems (GIS) mapping transferring existing electric computer models and record drawings to an updated database and providing field crews with field tablets.

Motor Vehicle Pool

Motor Vehicle Pool purchases planned for 2023 total \$572,000 and include the following:

- Replacement of a 2009 batwing mower for Parks and Recreation;
- Replacement of a 2001 bucket truck for the Electric Department;
- Replacement of a 2012 Staff vehicle with a potential electric vehicle;
- Replacement of a 2015 Staff vehicle for Public Works
- Replacement of a 2008 pickup truck for Water Department
- Addition of a rescue utility cart for Public Safety at Bay Harbor Station
- Replacement of 2017 patrol vehicle for Public Safety
- Replacement of 2018 patrol vehicle for Public Safety

Buildings and Grounds

In 2023, the City has allocated funds to demolish a house at 620 Ingalls Avenue owned by the City. We will also seek bids for potential redevelopment through a Request for Proposal (RFP). Redevelopment options are limited as the lot is very small for additional housing or other public uses. We have allocated \$200,000 for the East Lake Fire Station to complete painting the apparatus room, radiant heat tube replacement and kitchen upgrade.

Parks and Special Facilities Improvements

In the City's continuing efforts to improve upon and expand parks and city facilities, the City will undertake a variety of projects in 2023:

Washington Park

We have allocated \$10,000 to create a turn-around style parking lot off of Petoskey Street on the south end of the park and provide improved access to Washington Street on the north side of the park. We will also create a new pedestrian access off of Emmet Street into the park area and extend sidewalks to key areas within the park

Winter Sports Park Lodge Roof

The existing Winter Sports Park building is 33 years old. Replacement of the roof will be the first phase of improvements that may include the installation of roof-top solar. This project is allocated at \$100,000.

Winter Sports Park Building Renovations

We have allocated \$225,000 for interior renovations that would include; painting, concession and restroom sink and counter replacements and replacement of the skate proof flooring on main level and door replacement at air lock entry.

Little Traverse Wheelway Resurfacing

We have \$150,000 to replace a half-mile segment of the LTW.

Arboretum Conversion

This project will reconfigure a section of the LTW and restore the area with native shoreline plants, wildflower/pollinator and birding areas. We have allocated \$200,000 from TIFA for this project.

Magnus Park Master Plan

We have \$10,000 from TIFA set aside to develop renovation plans and schedule for the campground.

Pedestrian Bridge – City Hall Campus

New decking will be installed on the bridge over the Bear River near City Hall. An allocation of \$25,000 has been made from TIFA for this project.

**City of Petoskey
Capital Improvement Plan
For the Years 2023 through 2028**

Expenditure Summary

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
General	710,000	1,155,000	865,000	1,400,000	485,000	1,393,000
Parking	0	125,000	75,000	475,000	75,000	0
Streets	1,180,000	1,975,000	810,000	2,225,000	750,000	1,612,000
Electric	1,303,000	1,132,186	1,009,000	1,069,000	1,046,000	1,122,000
Water & Sewer	1,270,000	1,257,000	1,462,200	1,000,000	1,000,000	1,200,000
Motorpool	572,000	629,000	667,000	518,000	502,000	495,000
Grants/Other	260,000	6,032,500	18,750,000	3,703,000	2,425,000	3,750,000
Total	<u>5,295,000</u>	<u>12,305,686</u>	<u>23,638,200</u>	<u>10,390,000</u>	<u>6,283,000</u>	<u>9,572,000</u>
					6-year Total	<u>67,483,886</u>

Revenue Summary

Fund	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
General	\$ 402,506	\$ 500,613	\$ 478,554	\$ 456,045	\$ 433,086	\$ 409,674
Parking	75,000	75,000	75,000	75,000	75,000	75,000
Streets	1,566,548	1,207,419	1,239,631	1,172,739	1,206,766	1,241,739
Electric	1,100,000	1,250,000	1,250,000	1,250,000	1,250,000	1,250,000
Water & Sewer	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Motorpool	500,000	400,000	400,000	400,000	400,000	400,000
Grants/Other	260,000	6,032,500	18,750,000	3,703,000	2,425,000	3,750,000
Total	<u>\$ 4,904,054</u>	<u>\$ 10,465,532</u>	<u>\$ 23,193,185</u>	<u>\$ 8,056,784</u>	<u>\$ 6,789,852</u>	<u>\$ 8,126,413</u>
					Six Year Total	\$ 61,535,820

Revenue Assumptions

General Fund and Streets based on General and ROW spreadsheet showing available balance.
 Parking Fund based on assumption of \$75,000 in net income annually after meter rate increase.
 Electric Fund based on assumption of \$1,250,000 in net income and depreciation totaling in excess of this amount.
 Water & Sewer is allocated \$1,000,000 in total for both systems based on 2018 rate study.
 Motorpool based on net income plus depreciation exceeding \$450,000 annually and adjusted for available contribution from cash reserves. Adjust succeeding years for purchases that exceed allocated amount.
 Grants/Other is applicable grants covering a specific proposed project in the given year and projects that would require bonding.

City of Petoskey
 Capital Improvement Plan
 Revenue and Expense Estimates
General Fund

	Actual	Actual	Budget	Estimated					
	2020	2021	2022	2023	2024	2025	2026	2027	2028
Revenues:									
Operating:									
General operating property tax revenue	\$ 3,471,855	\$ 3,522,173	\$ 3,614,200	\$ 3,794,910	\$ 3,908,757	\$ 4,006,476	\$ 4,106,638	\$ 4,209,304	\$ 4,314,537
Solid waste property tax revenue	228,255	235,717	240,000	247,200	254,616	260,981	267,506	274,194	281,048
Public Safety Equipment	390,705	-	-	-	-	-	-	-	-
Other sources**	4,750,383	5,298,315	5,184,600	5,236,446	5,288,810	5,341,699	5,395,116	5,449,067	5,503,557
Bond Proceeds/Grants-nonrecurring	397,229	236,230	1,253,200	-	-	-	-	-	-
Marina reserve capital outlay purchase	-	-	-	-	-	-	-	-	-
	<u>9,238,427</u>	<u>9,292,435</u>	<u>10,292,000</u>	<u>9,278,556</u>	<u>9,452,184</u>	<u>9,609,156</u>	<u>9,769,260</u>	<u>9,932,564</u>	<u>10,099,142</u>
Less: bond proceeds/grants/contribution	397,229	236,230	1,253,200	-	-	-	-	-	-
Revenues as adjusted	<u>\$ 8,841,198</u>	<u>\$ 9,056,205</u>	<u>\$ 9,038,800</u>	<u>\$ 9,278,556</u>	<u>\$ 9,452,184</u>	<u>\$ 9,609,156</u>	<u>\$ 9,769,260</u>	<u>\$ 9,932,564</u>	<u>\$ 10,099,142</u>
Expenditures:									
Original amount - less debt payments	\$ 8,459,207	\$ 8,521,080	\$ 9,747,700	\$ 8,776,050	\$ 8,951,571	\$ 9,130,602	\$ 9,313,214	\$ 9,499,479	\$ 9,689,468
Debt payments- marina/public safety (actual)	1,059,200	226,500	224,000	100,000	100,000	100,000	100,000	100,000	100,000
Less:									
Cash reserves funding capital outlay	n/a	n/a	-	-	(100,000)	(100,000)	(100,000)	(100,000)	(100,000)
Public Safety Equip purchase	(23,000)	(62,882)	(46,200)	-	-	-	-	-	-
Capital Outlay	n/a	n/a	(1,139,500)	-	-	-	-	-	-
Expenditures as adjusted	<u>9,495,407</u>	<u>8,684,698</u>	<u>8,786,000</u>	<u>8,876,050</u>	<u>8,951,571</u>	<u>9,130,602</u>	<u>9,313,214</u>	<u>9,499,479</u>	<u>9,689,468</u>
Revenues as adjusted	<u>8,841,198</u>	<u>9,056,205</u>	<u>9,038,800</u>	<u>9,278,556</u>	<u>9,452,184</u>	<u>9,609,156</u>	<u>9,769,260</u>	<u>9,932,564</u>	<u>10,099,142</u>
Revenue available for projects & outlays	<u>\$ (654,209)</u>	<u>\$ 371,507</u>	<u>\$ 252,800</u>	<u>\$ 402,506</u>	<u>\$ 500,613</u>	<u>\$ 478,554</u>	<u>\$ 456,045</u>	<u>\$ 433,086</u>	<u>\$ 409,674</u>

Tax revenue and other sources is estimated based on 2022 levels as follows; 2023 (+5.0%), 2024 (+3.0%), 2025 (+2.5%), 2026 (+2.5%), 2027 (+2.5%), 2028 (+2.5%).

* Budget expenditure amounts for 2023 are 2.5% and thru 2027 are based on adjusted expenditures increased at 2.0% annually above the previous year's amount.

Included \$100,000 per year available from General Fund Balance for years 2023 through 2028.

City of Petoskey
 Capital Improvement Plan
 Revenue and Expense Estimates
Street Funds

2022 Budget	Major Street	Local Street	General Street	Total
Revenues:				
Operating	\$ 740,500	\$ 261,800	\$ 9,000	\$ 1,011,300
Contributions & grants	375,000	1,100,000	1,250,000	\$ 2,725,000
	1,115,500	1,361,800	1,259,000	3,736,300
Less: Contributions/grants	375,000	1,100,000	1,250,000	2,725,000
Revenues net of R.O.W. contributions	\$ 740,500	\$ 261,800	\$ 9,000	\$ 1,011,300
Expenditures:				
Total	\$ 1,193,700	\$ 1,722,100	\$ 1,380,900	\$ 4,296,700
Less:				
Construction*	600,000	1,358,000	457,300	2,415,300
Expenditures net of construction	593,700	364,100	923,600	1,881,400
Revenues net of R.O.W. contributions	740,500	261,800	9,000	1,011,300 ****
Operating revenue funded by R.O.W.	\$ (146,800)	\$ 102,300	\$ 914,600	\$ 870,100

	Actual 2020	Actual 2021	Budget 2022	Estimated					
				2023	2024	2025	2026	2027	2028
Right of Way Fund:									
Property tax revenue ***	\$ 1,794,607	\$ 1,817,240	\$ 1,861,000	\$ 1,954,050	\$ 2,012,672	\$ 2,062,988	\$ 2,114,563	\$ 2,167,427	\$ 2,221,613
Contribution towards operating expenses**	621,981	963,959	870,100	887,502	905,252	923,357	941,824	960,661	979,874
Revenue available - ROW Fund	1,172,626	853,281	990,900	1,066,548	1,107,419	1,139,631	1,172,739	1,206,766	1,241,739
Street Funds:									
Cash Reserves available - Capital Outlay	-	-	-	500,000	100,000	100,000	-	-	-
Revenue available-Capital Outlay	\$ 1,172,626	\$ 853,281	\$ 990,900	\$ 1,566,548	\$ 1,207,419	\$ 1,239,631	\$ 1,172,739	\$ 1,206,766	\$ 1,241,739

* Construction includes street, sidewalk, forestry and engineering costs.

** Total operating revenue contribution increased 2% each year from 2022 amount.

*** Tax revenue and other sources is estimated based on 2022 levels as follows; 2023 (+5.0%), 2024 (+3.0%), 2025 (+2.5%), 2026 (+2.5%), 2027 (+2.5%), 2028 (+2.5%).

**** Contributions to the General Street Fund include an annual contribution from the Electric Fund in the amount of \$250,000.

City of Petoskey
 Capital Improvement Plan
 Revenue and Expense Estimates
 Tax Increment Finance Authority

	Actual 2020	Actual 2021	Budget 2022	Estimated					
				2023	2024	2025	2026	2027	2028
Revenues:				*					
Captured tax revenue	\$ 396,386	\$ 410,636	\$ 419,800	\$ 545,740	\$ 562,112	\$ 576,165	\$ 590,569	\$ 605,333	\$ 620,467
Interest income	12,988	5,255	133,500	4,000	4,000	4,000	4,000	4,000	4,000
	<u>409,374</u>	<u>415,891</u>	<u>553,300</u>	<u>549,740</u>	<u>566,112</u>	<u>580,165</u>	<u>594,569</u>	<u>609,333</u>	<u>624,467</u>
Less:	-	-	-	-	-	-	-	-	-
Total revenue	<u>\$ 409,374</u>	<u>\$ 415,891</u>	<u>\$ 553,300</u>	<u>\$ 549,740</u>	<u>\$ 566,112</u>	<u>\$ 580,165</u>	<u>\$ 594,569</u>	<u>\$ 609,333</u>	<u>\$ 624,467</u>
Expenditures:									
Contracted services	\$ 300,861	\$ 82,477	\$ 382,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Lease payment to Debt Service Fund	225,000	236,000	265,000	264,000	254,000	247,000	222,000	215,000	210,000
	<u>525,861</u>	<u>318,477</u>	<u>647,000</u>	<u>274,000</u>	<u>264,000</u>	<u>257,000</u>	<u>232,000</u>	<u>225,000</u>	<u>220,000</u>
Total expenditures	<u>525,861</u>	<u>318,477</u>	<u>647,000</u>	<u>274,000</u>	<u>264,000</u>	<u>257,000</u>	<u>232,000</u>	<u>225,000</u>	<u>220,000</u>
Total revenues	<u>409,374</u>	<u>415,891</u>	<u>553,300</u>	<u>549,740</u>	<u>566,112</u>	<u>580,165</u>	<u>594,569</u>	<u>609,333</u>	<u>624,467</u>
Rev. available- Capital Improvement	<u>\$ (116,487)</u>	<u>\$ 97,414</u>	<u>\$ (93,700)</u>	<u>\$ 275,740</u>	<u>\$ 302,112</u>	<u>\$ 323,165</u>	<u>\$ 362,569</u>	<u>\$ 384,333</u>	<u>\$ 404,467</u>

Tax revenue and other sources is estimated based on 2022 levels as follows; 2023 (+3.0%), 2024 (+3.0%), 2025 (+2.5%), 2026 (+2.5%), 2027 (+2.5%), 2028 (+2.5%).

*Revenues from 2023 are based on 2022 actual captured taxable value which increased significantly over 2022 budget amount.

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2023**

PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>STREETS AND DRAINAGE</u>										
Miscellaneous Pavement Preservation, Paving and Repair	This project is to replace or rehabilitate existing pavement and curb lines. Streets to be considered are Porter and Maple Streets that fall under the category of fair to poor based on PASER ratings.	Right-of-Way			300,000					300,000
Bridge Street - Franklin Street to the Bridge	Full reconstruction of Bridge Street including sidewalks and ADA ramps.	Right-of-Way			575,000					575,000
Mitchell Street - US 31 to Emmet Street, including Emmet Street from Mitchell Street to Michigan Street	Reconfiguration of sidewalk, lighting, signage and landscaping in conjunction with redevelopment of 400 Emmet Street. (Possible participation by DMB)	Right-of-Way			25,000	25,000			25,000	75,000
<u>WATER AND WASTEWATER SYSTEM</u>										
Water - Miscellaneous Water Main Spot Repairs and Upgrades	Water main work will take place in conjunction with street resurfacing projects along with lead and copper services investigations and replacement.	Operating Revenue					25,000			25,000
Water - Bridge Street- Franklin Street to the Bridge	Replacement of water mains and components in conjunction with street reconstruction.	Operating Revenue					350,000			350,000
Water - Emmet Street - East Mitchell to Michigan Street	Replacement of water main and components in conjunction with redevelopment of adjacent properties.	Operating Revenue					75,000			75,000
Sanitary - Miscellaneous Sewer Main Spot Repairs and Upgrades	Sewer main work will take place in conjunction with street resurfacing.	Operating Revenue					25,000			25,000
Sanitary - Bridge Street - Franklin Street to Bridge	Replacement of sanitary mains and components in conjunction with street resurfacing.	Operating Revenue					245,000			245,000
Sanitary - Emmet Street - East Mitchell to Michigan Street	Replacement of sanitary mains and components in conjunction with redevelopment of adjacent properties.	Operating Revenue					75,000			75,000
Ingalls Pump Station Generator Installation	Ingalls Pump Station conveys water supply to all pressure districts. The addition of on-site generation will provide reliability and power supply dependency for this critical infrastructure.	Operating Revenue					325,000			325,000
Water - Lead and Copper Rule Materials Inventory	The State of Michigan (EGLE) requires all public water supplies to submit a complete Distribution System Materials inventory by January 1, 2025.	Operating Revenue					150,000			150,000
Advanced Metering Infrastructure (AMI) System Study	Study the installation of initial phase of water AMI system.	Operating Revenue					TBD			TBD
<u>SIDEWALKS</u>										
Miscellaneous Sidewalk Construction and Replacement	Sidewalk additions and replacements on Bridge Street between Franklin Street and the Bridge. Also miscellaneous sidewalk additions and spot repairs City-wide.	Right-of-Way			260,000					260,000

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2023**

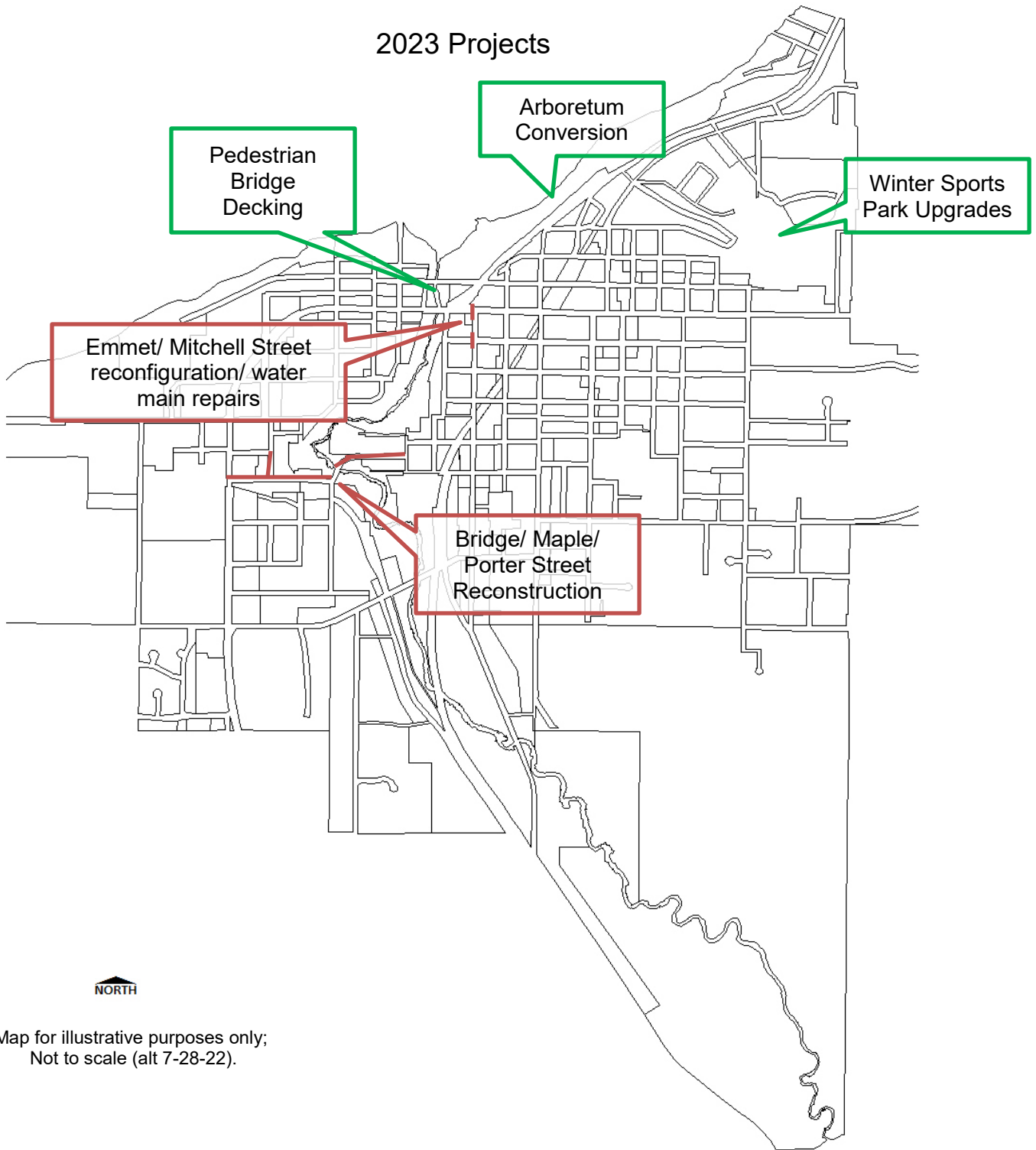
PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>ELECTRIC SYSTEM</u>										
Residential Conversion Project - Michigan Street	Conversion of the existing overhead distribution circuit to underground within residential corridors. Removes very old overhead system, converts to more reliable underground and completes conversion in this area to 7.2/12.5kV.	Operating Revenue				373,000				373,000
Residential Conversion Project - Grand Avenue	Conversion of the existing overhead distribution circuit to underground within residential corridors. Removes very old overhead system and converts to more reliable 7.2/12.5kV underground system.	Operating Revenue				181,000				181,000
Residential Conversion Project - Bridge, Maple, Porter Streets and a portion of Curtis Avenue	Conversion of the existing overhead distribution circuit to underground within residential corridors. Removes very old overhead system, converts to more reliable underground and completes conversion in this area to 7.2/12.5kV.	Operating Revenue				424,000				424,000
Petoskey Substation Recloser Replacement	Replacement of two circuit reclosers in Petoskey Substation which were installed in 2005. Initial phase of replacement following routine maintenance which found one recloser to be unfit for service.	Operating Revenue				50,000				50,000
Electric System GIS (primary equipment)	Addition of primary (15kV) equipment into GIS system and deployment of tablets to field crews.	Operating Revenue				50,000				50,000
Utility System Generation	Purchase of mobile backup generators for critical facilities including lift stations and domestic water production sites (wells).	Operating Revenue				200,000				200,000
Advanced Metering Infrastructure (AMI) System Study	Study the installation of initial phase of water AMI system.	Operating Revenue				TBD				TBD
<u>MOTOR POOL</u>										
Staff Vehicle - Replacement	To replace Motor Pool vehicle with an Electric Vehicle (EV). Unit #25 (2012).	Operating Revenue						45,000		45,000
Staff Vehicle - Public Works - Replacement	Replace Unit #26 (2015).	Operating Revenue						38,000		38,000
Pickup Truck - CBD Water Truck - Replacement	To replace Unit #52 (2008).	Operating Revenue						30,000		30,000
Bucket Truck - Electric - Replacement	Replace Unit #83 (2001).	Operating Revenue						225,000		225,000
Batwing Groundmaster - Replacement	Replace Unit #188 (2009).	Operating Revenue						90,000		90,000
Rescue Cart - Public Safety	Rescue Utility Cart to be stationed at Bay Harbor Fire Station.	Operating Revenue						40,000		40,000

**City of Petoskey
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PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
Patrol Vehicle - Replacement	Replace 4x4 patrol vehicle #445 (2017) with 2023 model.	Operating Revenue						52,000		52,000
Patrol Vehicle - Replacement	Replace 4x4 patrol vehicle #446 (2018) with 2023 model.	Operating Revenue						52,000		52,000
<u>BUILDINGS AND GROUNDS</u>										
Demolition of 620 Ingalls Avenue	City owned building used to store History Museum artifacts - building beyond repair.	Operating Revenue	25,000							25,000
East Lake Street Fire Station	Paint apparatus room, radiant heat tube replacement, and kitchen upgrade.	Operating Revenue	200,000							200,000
<u>PARKS AND SPECIAL FACILITIES</u>										
Washington Park Access Engineering	Washington Park currently has limited access from Petoskey Street off of Washington Street and from Petoskey Street off of Sheridan Street, with limited parking taking place primarily on the streets. This project proposes to create a turn-around style parking lot off of Petoskey Street on the south end of the park and provide improved access to Washington Street on the north side of the park, and create a new pedestrian access off of Emmet Street into the park area and extend sidewalks to key areas within the park.	Operating Revenue	10,000		20,000					30,000
Winter Sports Park Building Roof	The existing Winter Sports Park building will be 33 years old in 2023. Replacement of roof will be the first phase of improvements possibly including roof-top solar, with siding and deck repairs in 2024.	Operating Revenue	100,000							100,000
Winter Sports Park Building Interior Renovations	Interior renovations are anticipated and will include painting, concession and restroom sink and counter replacements, and replacement of the skate proof flooring on main level and door replacement at air lock entryway. These repairs are necessary and in particular the skate proof flooring. Failure of the flooring will jeopardize main level floor and underlying decking and joists and new windows.	Operating Revenue	225,000							225,000
Little Traverse Wheelway Resurfacing	Resurfacing.	Operating Revenue	150,000							150,000
Arboretum Conversion	Reconfigure current LTW and restore area with native shoreline plants, wildflower/pollinator and birding area.	TIFA							200,000	200,000
Magnus Park Master Plan	Develop renovation plans for campground.	TIFA							10,000	10,000
Pedestrian Bridge - City Hall Campus	Re-decking the existing bridge.	TIFA							25,000	25,000
Grand Totals			\$710,000	\$0	\$1,180,000	\$1,303,000	\$1,270,000	\$572,000	\$260,000	\$5,295,000

City of Petoskey 2023-2028 Capital Improvement Plan

2023 Projects



Map for illustrative purposes only;
Not to scale (alt 7-28-22).

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2024**

PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>STREETS AND DRAINAGE</u>										
Howard Street from State Street to Sheridan Street	Full reconstruction including sidewalks and ADA ramps.	Right-of-Way			1,400,000					1,400,000
Miscellaneous Pavement Preservation, Paving and Repair - East Mitchell Street	The purpose of this project is to replace or rehabilitate existing pavement and curb lines. Small Urban Grant funding will be utilized to rehabilitate East Mitchell Street from Division Street to the City Limit. Work to be coordinated with Emmet County Road Commission repaving of East Mitchell from City limit to Division Road.	Right-of-Way			125,000				187,500	312,500
<u>WATER AND WASTEWATER SYSTEM</u>										
Water - Howard Street and Miscellaneous Water Main Spot Repairs and Upgrades	Water main work will take place in conjunction with street reconstruction.	Operating Revenue					661,000			661,000
Sanitary - Howard Street and Miscellaneous Sewer Main Spot Repairs and Upgrades	Sewer main work will take place in conjunction with street reconstruction.	Operating Revenue					446,000			446,000
Water - Lead and Copper Rule Materials Inventory	The State of Michigan (EGLE) requires all public water supplies to submit a complete Distribution System Materials inventory by January 1, 2025.	Operating Revenue					150,000			150,000
Advanced Metering Infrastructure (AMI) System	Continuation of water AMI system.	Operating Revenue					TBD			TBD
New Aeration Blowers/Secondary Process Improvements	New aeration blowers for optimum efficiency as well as biological nutrient removal will be needed as future upgrades for the WWTP are anticipated. These improvements would have energy and/or chemical savings associated.	Operating Revenue					TBD			TBD
<u>SIDEWALKS</u>										
Miscellaneous Sidewalk Construction and Replacement	Sidewalk additions and replacements will take place in conjunction with Howard Street reconstruction and other priorities established in the Non-Motorized Facilities Plan.	Right-of-Way			350,000					350,000
<u>ELECTRIC SYSTEM</u>										
Advanced Metering Infrastructure System (Phase 1)	Installation of initial phase of electric system Advanced Metering Infrastructure (AMI) system including software installation and approximately 10% of the meters. Provides for time-of-use energy sales, automatic meter reading, remote disconnects/reconnects, and outage detection.	Operating Revenue					TBD			TBD

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2024**

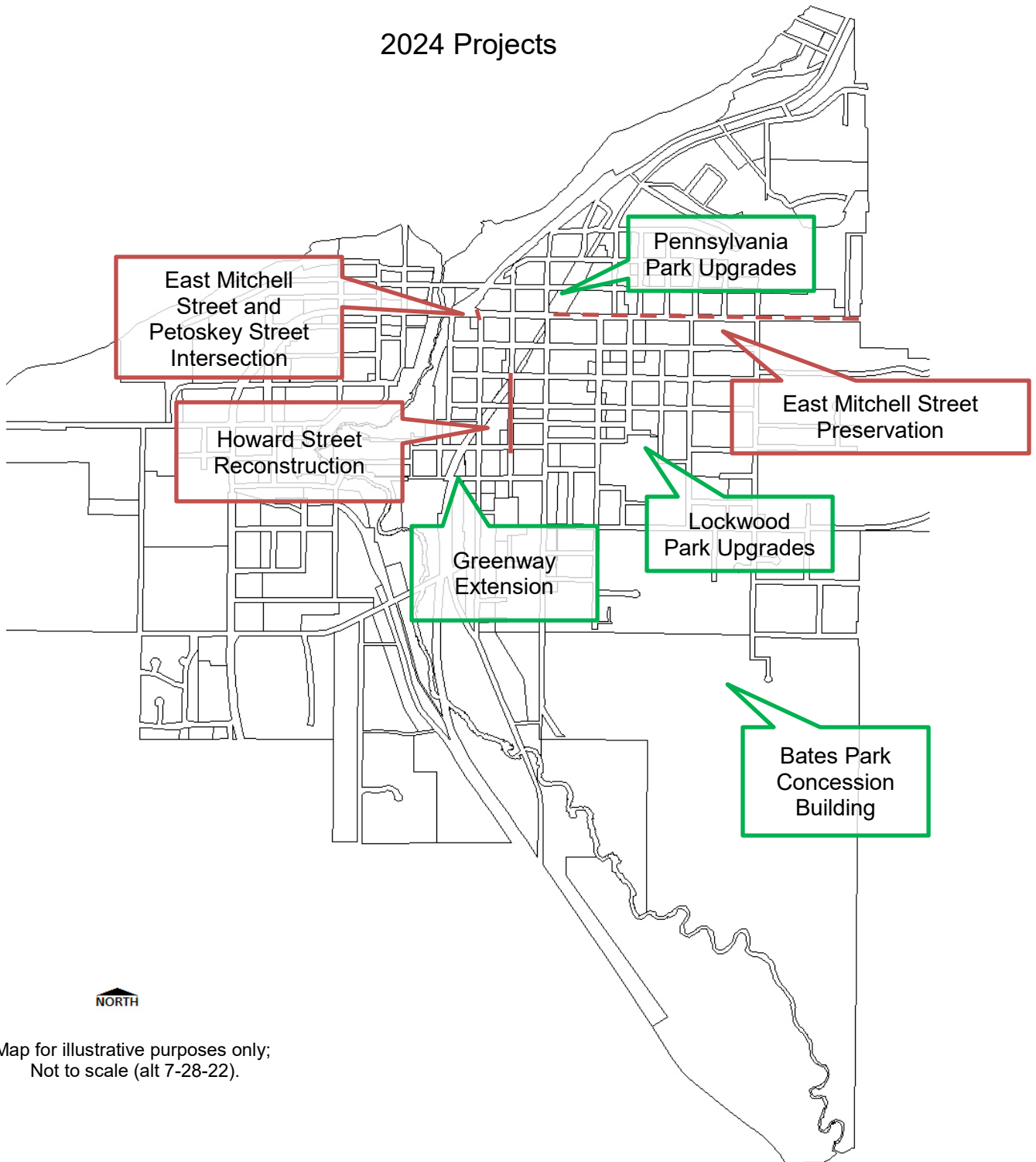
PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
Electric System GIS (Secondary & Services)	Addition of secondary (600V) and service lines into GIS system.	Operating Revenue				50,000				50,000
Residential Conversion Project - Jennings Avenue plus portions of Howard Street, Jefferson and Waukazoo Streets	Conversion of the existing overhead distribution circuit to underground within residential corridors. Removes very old overhead system, converts to more reliable underground completes conversion in this area to 7.2/12.5kV.	Operating Revenue				468,786				468,786
Residential Conversion Project - Portions of Howard Street, Fulton, Petoskey and Grove Streets	Conversion of the existing overhead distribution circuit to underground within residential corridors. Removes very old overhead system, converts to more reliable underground and completes conversion in this area to 7.2/12.5kV.	Operating Revenue				206,000				206,000
Residential Conversion Project - Morgan/ Priebe/Hillcrest (Phase 1)	Conversion of the existing overhead distribution circuit to underground within residential corridors. Removes very old overhead system, converts to more reliable underground and prepares for conversion to 7.2/12.5kV.	Operating Revenue				210,000				210,000
Mitchell Road Conversion Project - Hill Street to Methodist Church	Conversion of the existing overhead distribution circuit to underground along this wooded corridor. Removes overhead system in wooded area and converts to more reliable underground.	Operating Revenue				122,400				122,400
<u>MOTOR POOL</u>										
Front End Loader - Streets - Replacement	Replace Unit #107 (2003).	Operating Revenue						230,000		230,000
Patrol Vehicle - Replacement	Replace vehicle #447 (2019) with 2024 model. Convert and/or replace equipment from old unit; painting and lettering required.	Operating Revenue						55,000		55,000
One-ton Dump Truck - Streets Division - Replacement	Replace Unit #62 (2008).	Operating Revenue						55,000		55,000
35,000 GVW Plow Salt/Sand Spreader Replacement	Replace Unit #96 (2007) along with salt and sand unit and plow.	Operating Revenue						259,000		259,000
Outfront Mower - Parks and Rec - Replacement	Replace Parks and Rec Unit #180 (2013).	Operating Revenue						30,000		30,000
<u>DOWNTOWN AREA</u>										
Parking Lot Paving	Paving existing lot and pay station installation.	Parking		75,000						75,000
<u>BUILDINGS AND GROUNDS</u>										
Public Safety West	The building was constructed in 2011 and it is anticipated the overhead doors will need replacement.	Operating Revenue	75,000							75,000

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2024**

PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
Public Safety West	The building was constructed in 2011 and it is anticipated the garage floor will need to be resealed.	Operating Revenue	15,000							15,000
Curtis Avenue Department of Parks and Recreation Facility Improvements	Improvements to include cold storage facility for DPW and Parks and Recreation and service drive improvements to connect facility to DPW facility.	Operating Revenue							4,420,000	4,420,000
PARKS AND SPECIAL FACILITIES										
Pennsylvania Park Upgrades	As part of the Downtown Greenway Corridor site amenities from Bay Street to East Mitchell Street, Park Avenue sidewalk widening, landscaping, lighting and storm water management improvements will be constructed in accordance with final engineered plans. Grant funding would offset Street/Sidewalk Fund.	Operating Revenue		50,000	100,000	75,000			150,000	375,000
Lockwood Park Upgrades	Upgrade the court to a multi-use Pickleball/Basketball court, add accessibility pathway and other accessibility upgrades.	Operating Revenue/Passport Grant	300,000						150,000	450,000
Bates Park Concession Building	Concession will be 25 years old in 2024 and in need of roofing and siding, restroom upgrades, and ADA upgrades.	Operating Revenue	125,000							125,000
Downtown Greenway Corridor Extension	Design and construction of the corridor between Emmet Street and Washington Street following rail corridor property purchase in 2020.	Operating Revenue	150,000							150,000
Marina Parking Lot Resurfacing	In 2024, the parking lot will be 34 years of age and will be in need of resurfacing. The lot has been used to house marina spoils prior to disposal which accelerated the decline of the top coat. In 2010, the lot was patched to accommodate the marina expansion utilities. Grant and restricted marina funds will be used to finance the lot resurfacing.	Operating Revenue	40,000							40,000
Pennsylvania Park Upgrades w/ Park Avenue Project	A plaza adjacent to East Mitchell Street, where the annual tree-lighting occurs, will be created to improve the area for community gatherings.	Operating Revenue	75,000						25,000	100,000
Winter Sports Park Pavilion/Hockey Rink Upgrades	The existing hockey rink will receive upgrades that include new surfacing, boards and a pavilion which will cover the entire rink.	Operating Revenue Grant/Capital Campaign	100,000						1,100,000	1,200,000
Winter Sports Park	Parking Lot resurfacing/stripping.	Operating Revenue	125,000							125,000
Little Traverse Wheelway	Resurfacing.	Operating Revenue	150,000							150,000
Grand Totals			\$1,155,000	\$125,000	\$1,975,000	\$1,132,186	\$1,257,000	\$629,000	\$6,032,500	\$12,305,686

City of Petoskey 2023-2028 Capital Improvement Plan

2024 Projects



Map for illustrative purposes only;
Not to scale (alt 7-28-22).

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2025**

PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>STREETS AND DRAINAGE</u>										
Miscellaneous Pavement Preservation, Paving and Repair	This project is to replace or rehabilitate existing pavement and curb lines. Streets to be considered fall under the category of fair to poor based on PASER ratings.	Right-of-Way			200,000					200,000
Bay View Avenue - East Mitchell Street to Dead End	Full reconstruction of a portion of Bay View Avenue including curbs and gutter and new asphalt surfaces.	Right-of-Way			360,000					360,000
CBD - East Mitchell Street and Petoskey Street Intersection	To replace the concrete intersection that was removed previously and not replaced.	Right-of-Way							200,000	200,000
<u>WATER AND WASTEWATER SYSTEM</u>										
Water - Miscellaneous Water Main Spot Repairs and Upgrades	Water main work will take place in conjunction with street resurfacing projects along with lead and copper service investigations and replacement.	Operating Revenue					350,000			350,000
Water - Bay View Avenue - East Mitchell Street to Dead End	Replacement of water mains and components in conjunction with street reconstruction.	Operating Revenue					186,200			186,200
Sanitary - Miscellaneous Sewer Main Spot Repairs and Upgrades	Sewer main work will take place in conjunction with street resurfacing.	Operating Revenue					350,000			350,000
Sanitary - Bay View Avenue - East Mitchell Street to Dead End	Replacement of sanitary mains and components in conjunction with street reconstruction.	Operating Revenue					126,000			126,000
Lime Kiln Well and Control Building Improvements	The Lime Kiln Well was developed 35 years ago. Improvements would include conversion from a t-vertical turbine pump system to a submersible pump system, updated chlorine feed systems and renovations to control and monitoring systems.	Operating Revenue					400,000			400,000
<u>SIDEWALKS</u>										
Miscellaneous Sidewalk Construction and Replacement	Sidewalk additions and replacement will occur in conjunction with street projects and in priority locations established in the Non-Motorized Facilities Plan.	Right-of-Way			200,000					200,000
<u>ELECTRIC SYSTEM</u>										
Advanced Metering Infrastructure System (Phase 2)	Installation of second phase of electric system Advanced Metering Infrastructure (AMI) system including approximately 40% of the meters. Provides for time-of-use energy sales, automatic meter reading, remote disconnects/reconnects, and outage detection.	Operating Revenue					TBD			TBD

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2025**

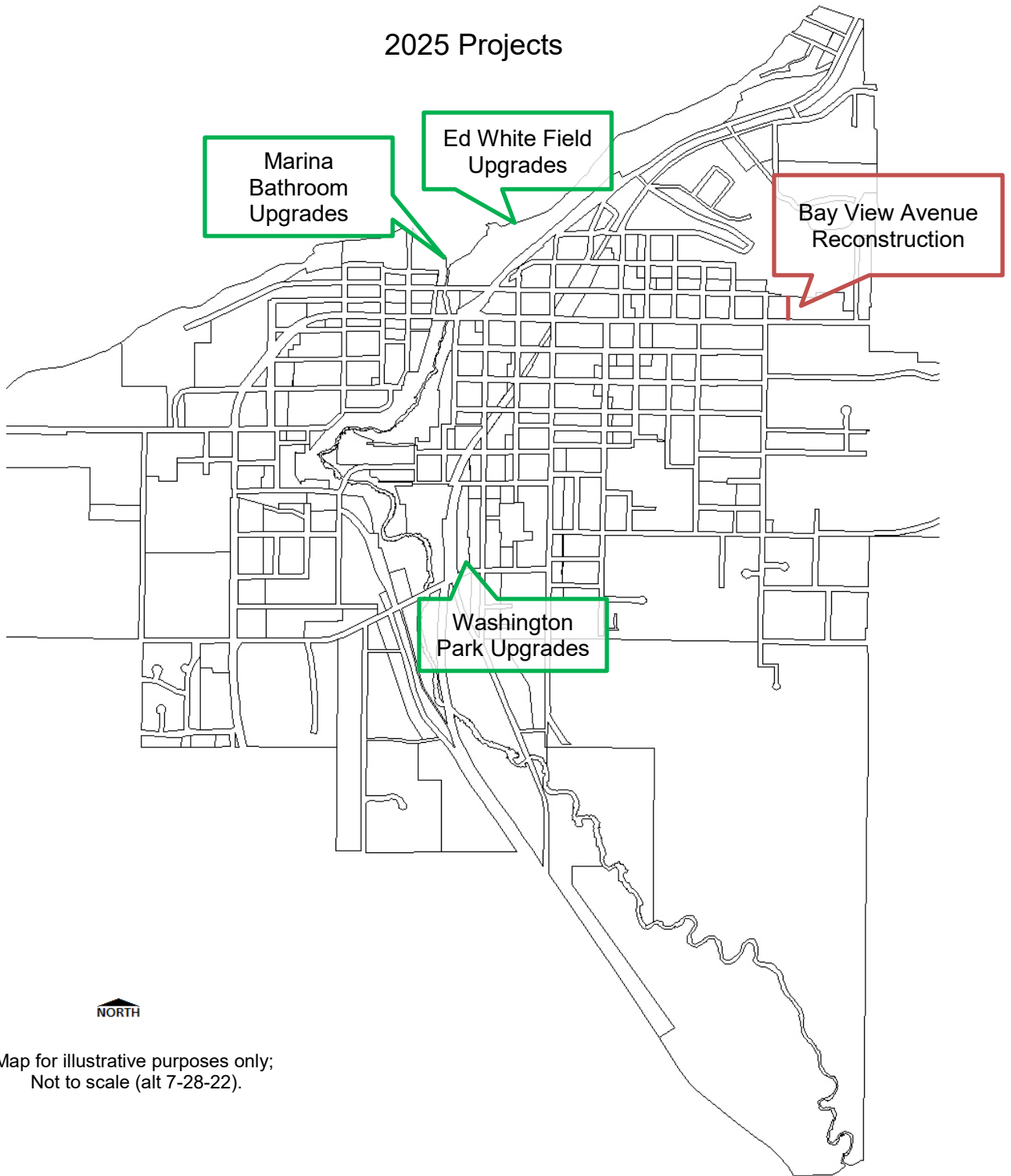
PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
Petoskey Sub 46kV, PET6 & PET8 Underground	Conversion of the 46kV transmission line and circuits PET6 and PET8 to underground from Petoskey Substation to the south side of the salt shed. Improves reliability of the transmission service into the substation, prepares for voltage conversion of circuit PET8, and creates required space for expansion of the DPW building.	Operating Revenue				552,000				552,000
46kV Metering Structure Replacement	Replacement of the 50+ year old 46kV metering structure at the River Road connection to the 46kV transmission system. Replaces aged wood pole structure at this critical system connection point.	Operating Revenue				250,000				250,000
Residential Conversion Project - Morgan/Priebe/Hillcrest - Phase 2	Conversion of the existing overhead distribution circuit to underground within residential corridors. Removes very old overhead system, converts to more reliable underground and prepares for conversion to 7.2/12.5kV.	Operating Revenue				207,000				207,000
<u>MOTOR POOL</u>										
Patrol Vehicle - Replacement	To replace patrol vehicle #444 (2020) with 2025 unit. Painting and lettering required.	Operating Revenue						52,000		52,000
1 Ton Dump Truck - Parks and Rec - Replacement	Replace Parks and Rec Unit #61 (2012).	Operating Revenue						40,000		40,000
1 Ton Dump Truck - Streets - Replacement	Replace Streets Unit #66 (2011).	Operating Revenue						50,000		50,000
Pickup Truck with Plow - Streets - Replacement	Replace Streets Division Unit #70 (2015).	Operating Revenue						40,000		40,000
Heavy Duty Plow Truck/Underbody - Streets - Replacement	Replace Unit #98 (2012).	Operating Revenue						210,000		210,000
Heavy Duty Hydraulic Sewer Cleaner	Replace Unit #99 (2005).	Operating Revenue						240,000		240,000
Outfront Mower - Parks and Rec - Replacement	Replace Parks and Recreation Unit #115 (2015).	Operating Revenue						35,000		35,000

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2025**

PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>DOWNTOWN AREA</u>										
Parking Lot Paving	Paving existing lot and pay station installation.	Parking		75,000						75,000
Construction of a Parking Deck	Construction of a deck on the Saville Lot.	TIF Bonds							3,000,000	3,000,000
<u>BUILDINGS AND GROUNDS</u>										
Replacement of DPW Building	Existing building is 60+ years old, does not meet operational needs and is inefficient. New building to incorporate green infrastructure and rooftop solar panels.	Operating Revenue							14,950,000	14,950,000
Fire Station - East Lake	Energy upgrades (HVAC and windows).	Operating Revenue	50,000							50,000
<u>PARKS AND SPECIAL FACILITIES</u>										
Washington Park Improvements	Construction of access improvements and amenities identified through a master plan process, possibly including play area, pavilion and restrooms, walking path, and accessibility upgrades.	Operating Revenue	300,000		50,000		50,000		300,000	700,000
Marina Restroom/Shower	Improvements to the Marina restrooms and showers include interior renovations to counter tops, partitions and painting. Shower renovations will include tiling and faucets.	Operating Revenue	25,000							25,000
Ed White Field	The facility was constructed in 1989 and will be in need of floor upgrades in scorers room, siding, bleachers and lighting upgrades.	Operating Revenue	155,000							155,000
Curtis Park Improvements	Development of a park master plan.	Operating Revenue	10,000							10,000
River Road Sports Complex	Construction of restrooms at River Road Sports Complex.	Operating Revenue	100,000							100,000
Arlington Park Improvements	Based on Master Plan developed in 2022.	Operating Revenue	125,000							125,000
Sunset Park Improvements	Accessible pathway, overlook deck, fence replacement, landscaping, and parking lot improvements.	TIFA							300,000	300,000
Little Traverse Wheelway	Resurfacing.	Operating Revenue	100,000							100,000
Grand Totals			\$865,000	\$75,000	\$810,000	\$1,009,000	\$1,462,200	\$667,000	\$18,750,000	\$23,638,200

City of Petoskey 2023-2028 Capital Improvement Plan

2025 Projects



Map for illustrative purposes only;
Not to scale (alt 7-28-22).

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2026**

PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>STREETS AND DRAINAGE</u>										
Full reconstruction of streets identified through PASER ratings and utility conditions	These streets are not candidates for pavement preservation. Possible candidates include Bay, Summit, Clinton and Ottawa.	Operating Revenue			1,300,000					1,300,000
Miscellaneous Pavement Preservation, Paving and Repair	The purpose of this project is to replace or rehabilitate existing pavement and curb lines. Small Urban Grant funding will be utilized.	Operating Revenue			75,000				130,000	205,000
<u>WATER AND WASTEWATER SYSTEM</u>										
Water - Reconstruction and Miscellaneous Water Main Spot Repairs and Upgrades	Water main work in conjunction with identified street reconstruction.	Right-of-Way					500,000			500,000
Sanitary - Reconstruction and Miscellaneous Sanitary Main Spot Repairs and Upgrades	Sewer main work in conjunction with identified street reconstruction.	Right-of-Way					500,000			500,000
<u>SIDEWALKS</u>										
Miscellaneous Sidewalk Construction and Replacement	Sidewalk additions and replacement will occur in conjunction with street projects and in priority locations established in the Non-Motorized Facilities Plan.	Right-of-Way			200,000					200,000
<u>ELECTRIC SYSTEM</u>										
Advanced Metering Infrastructure System (Phase 3)	Installation of third phase of electric system AMI Advanced Metering Infrastructure (AMI) system including approximately 50% of the meters. Provides for time-of-use energy sales, automatic meter reading, remote disconnects/reconnects, and outage detection.	Operating Revenue					TBD			TBD
Residential Conversion Project - Elizabeth, Fulton, Franklin, Washington and Bridge Streets	Conversion of the existing overhead distribution circuit to underground within residential corridors. Removes very old overhead system, converts to more reliable underground and completes conversion in this area to 7.2/12.5kV.	Operating Revenue					569,000			569,000
PET6 Circuit Conversion Project - Sheridan Street and Buckley Avenue	Conversion of the existing overhead PET6 distribution circuit to underground along Sheridan Street from Clarion Avenue to Howard Street, plus portions of Buckley Avenue. Removes very old overhead system, converts to more reliable underground, and completes conversion of this section of mainline circuit in this area to 7.2/12.5 kV.	Operating Revenue					365,000			365,000
Mitchell Road Substation Transformer Bushing Replacement	Replacement of the substation transformer bushings. Removes aged bushing from highly critical pieces of substation equipment.	Operating Revenue					65,000			65,000

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2026**

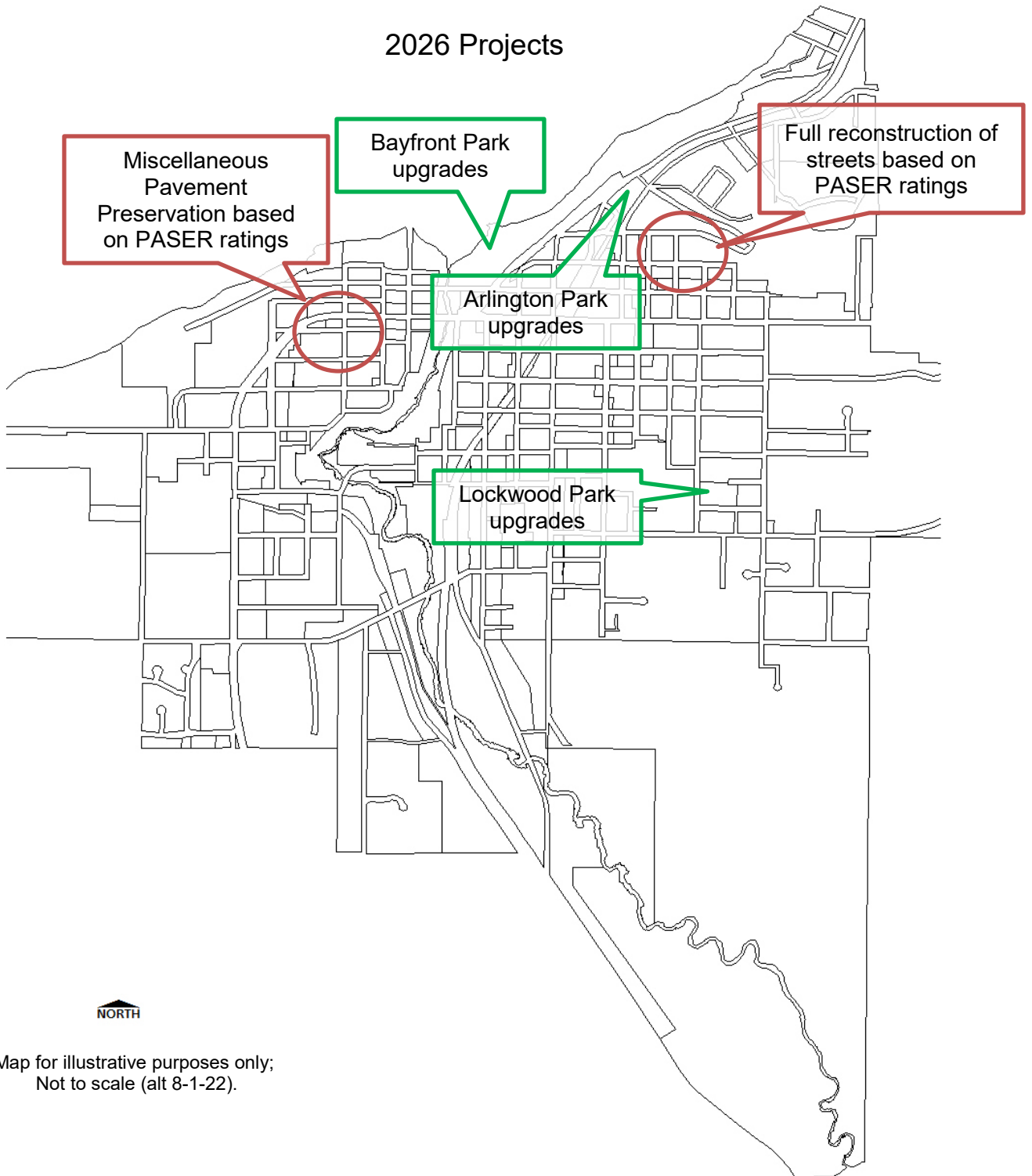
PROJECT CATEGORY	Funding Source	Funding Source							Total
		General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	
Mitchell Road Substation Fiber Connection	Installation of fiber optic cable from DPW to Mitchell Road Substation.				70,000				70,000
MOTOR POOL									
Staff Vehicle - Parks and Rec - Replacement	Replace Unit #28 (2017).						33,000		33,000
Staff Vehicle - Public Safety - Replacement	Replace Public Safety Unit #450 (2018).						35,000		35,000
Pick-up Truck 1/2 Ton 4x4 - Replacement	Replace Parks and Recreation Unit #74 (2014).						35,000		35,000
Pick-up Truck 1/2 Ton 4x4 - Replacement	Replace Parks and Recreation Unit #75 (2014).						35,000		35,000
Pick-up Truck 1/2 Ton 4x4 - Replacement	Replace Electric Division Unit #85 (2015).						35,000		35,000
Pick-up Truck 1/2 Ton 4x4 - Replacement	Replace Public Works Units #102 and #104.						50,000		50,000
Bobcat Toolcat with Attachments, Snow Blower, Forks, Rotating Broom, and Box-Replacement	Replace Utility Vehicle Unit #126 (2017).						85,000		85,000
Heavy-Duty Forklift - Replacement	Replace Public Works Garage Unit #128 (2006).						28,000		28,000
Zamboni Ice Groomer - Replacement	Replace Winter Sports Park Ice Rink Unit #173 (1988).						30,000		30,000
Asphalt Recycler and Hot Patch Trailer - Falcon - Replacement	Replace Street Department Unit #108 (2015).						29,000		29,000
DPW Garage Fork Lift - Replacement	Replace Unit #114 (1991).						30,000		30,000
Toro Workman Utility Cart - Parks and Rec - Replacement	Replace Utility Cart #116 - Marina (2013).						16,000		16,000
Public Safety Marine Apparatus - Replacement	Replace Unit #526 (2007).						35,000		35,000
Toro Workman Utility Cart - Parks and Rec - Replacement	Replace Unit #174 (2008).						15,000		15,000
Toro Workman Rescue Cart - Public Safety - Replacement	Replace Rescue Utility Cart Unit #541 (2008).						27,000		27,000

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2026**

PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>DOWNTOWN AREA</u>										
Parking Lot Paving	Paving existing lot and pay station installation.	Parking		75,000						75,000
Engineering of a Parking Deck	Engineering of a parking deck on the City-County Lots.	Parking		400,000						400,000
<u>BUILDINGS AND GROUNDS</u>										
Public Safety Garage - City Hall	Replace radiant tube heaters.	Operating Revenue	25,000							25,000
Salt Sheds and Materials Storage Area	Existing salt sheds are 30+ years old and must be upgraded. Sheds and material storage bins would potentially be relocated to the north side of Sheridan Street as part of the DPW campus upgrades.	Operating Revenue			650,000				1,573,000	2,223,000
Community Gardens Park and Yard Waste Drop Off Area	Community gardens would be relocated to the south side of Sheridan Street in proximity of current yard waste drop off and salt shed area. Site to be upgraded to enhance Bear River Valley/Iron Bell Trail and launch area with restrooms, as well as improved yard waste drop off and community gardens.	Operating Revenue							1,039,100 State Grant	1,699,100
<u>PARKS AND SPECIAL FACILITIES</u>										
Lockwood Park	Construction of improvements identified through master plan process.	Operating Revenue	200,000							200,000
Bayfront Park Resource Center	The facility was constructed in 1984 and will be in need of front door replacement, windows, carpeting, concession stand renovations and landscaping.	Operating Revenue	75,000							75,000
Arlington Park Development	Children's garden, veterans memorial improvements, walking paths, lighting, and landscaping.	Operating Revenue/ State Grant	500,000						250,000	750,000
Magnus Park Phase One	Begin construction of Magnus Park entrance and hilltop construction.	TIFA							1,500,000	1,500,000
Bates Park	Field upgrade, dugout replacement, accessibility improvements and landscaping.	Operating Revenue/ State Grant	500,000						250,000	750,000
Little Traverse Wheelway	Resurfacing.	Operating Revenue	100,000							100,000
Grand Totals			\$1,400,000	\$475,000	2,225,000	\$1,069,000	\$1,000,000	\$518,000	\$3,703,000	\$10,390,000

City of Petoskey 2023-2028 Capital Improvement Plan

2026 Projects



Map for illustrative purposes only;
Not to scale (alt 8-1-22).

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2027**

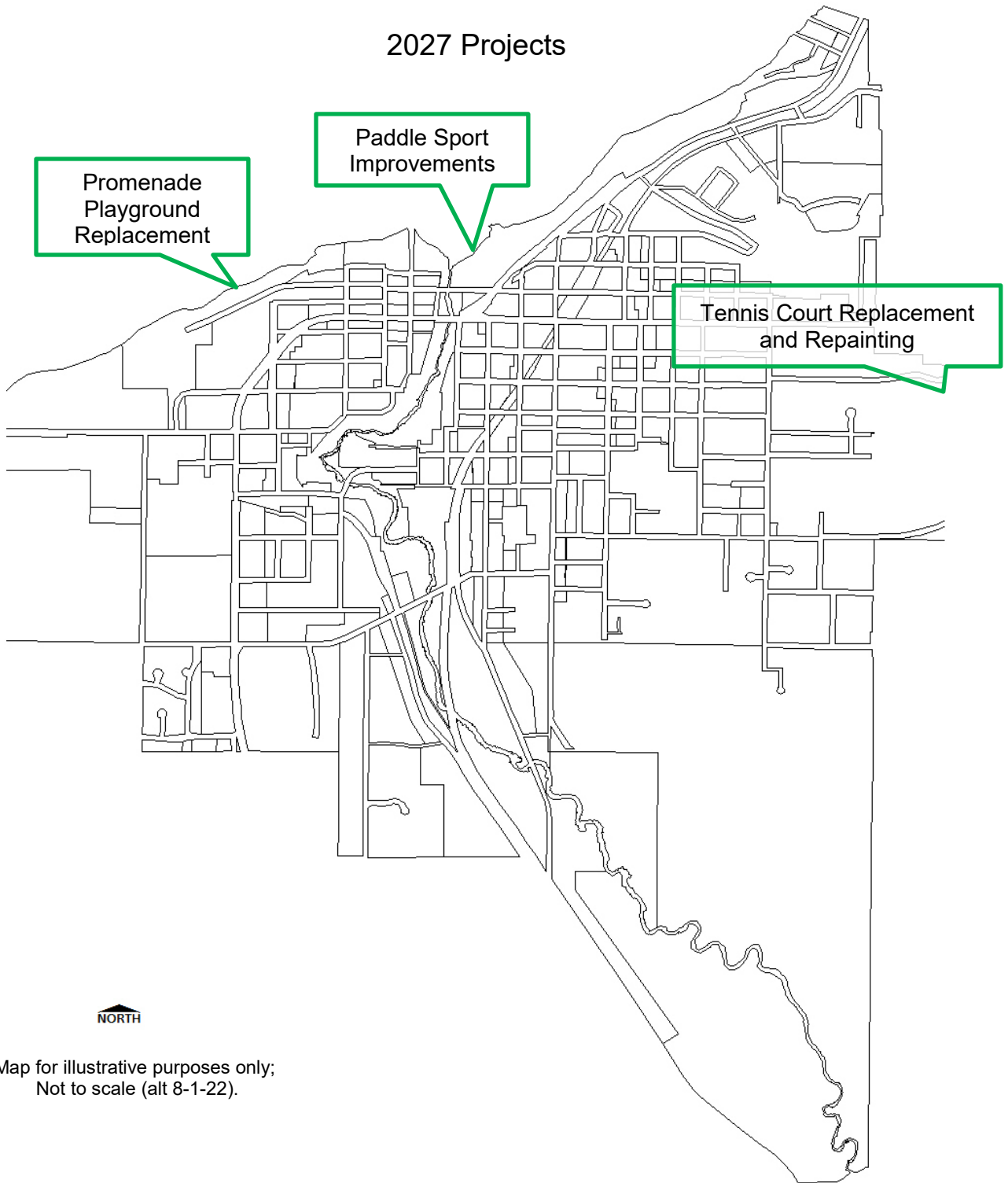
PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>STREETS AND DRAINAGE</u>										
Miscellaneous Pavement Preservation, Paving and Repair	This project is to replace or rehabilitate existing pavement and curb lines. Streets to be considered fall under the category of fair to poor based on PASER ratings.	Right-of-Way			500,000					500,000
<u>WATER AND WASTEWATER SYSTEM</u>										
Water - Miscellaneous Water Main Spot Repairs and Upgrades	Water main work will take place in conjunction with street resurfacing projects along with lead and copper service investigations and replacement.	Operating Revenue					500,000			500,000
Sanitary - Miscellaneous Sewer Main Spot Repairs and Upgrades	Sewer main work will take place in conjunction with street resurfacing.	Operating Revenue					500,000			500,000
<u>SIDEWALKS</u>										
Miscellaneous Sidewalk Construction and Replacement	Sidewalk additions and replacement will occur in conjunction with street projects and in priority locations established in the Non-Motorized Facilities Plan.	Right-of-Way			250,000					250,000
<u>ELECTRIC SYSTEM</u>										
Atkins-Northmen Drive Underground Tie	Install new underground tie along McDougal Extension from Atkins Road to Northmen Drive. Provides backup circuit to school campus. Conduit installed in conjunction with 2015 road construction.	Operating Revenue				184,000				184,000
River Valley Underground - PET1	Conversion of the overhead PET1 distribution circuit from Petoskey Substation through the Bear River Valley to lone Street equipment area. Improves reliability to critical loads including the Hospital and City Hall, plus CBD area. Utilizes conduit system installed as part of the Bear River Corridor project.	Operating Revenue				346,000				346,000
Substation Recloser Replacement	Replacement of remaining four circuit reclosers in Petoskey Substation which were installed in 2005.	Operating Revenue				115,000				115,000
River Road Sport Complex Service	Installation of new three-phase underground primary distribution circuit along River Road from Standish Avenue to the River Road Sports Complex providing electrical service to the recreation facility.	Operating Revenue				276,000				276,000
CBD Alley Conversion to Underground	Conversion of the remaining CBD alleys to underground.	Operating Revenue				125,000				125,000

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2027**

PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>MOTOR POOL</u>										
Pickup Truck with Plow - Parks and Rec - Replacement	Replace Parks and Recreation Unit #60 (2012).	Operating Revenue						37,000		37,000
Pickup Truck with Plow - Parks and Rec - Replacement	Replace Parks and Recreation Unit #46 (2018).	Operating Revenue						45,000		45,000
Pickup Truck with Plow - Replacement	Replace Water/Wastewater Unit #73 (2018).	Operating Revenue						45,000		45,000
Street Sweeper - Replacement	Replace Street Department Unit #90 (2012).	Operating Revenue						225,000		225,000
Tractor with Bucket and Implements - Parks and Rec - Replacement	Replace Parks and Recreation Unit #142 (2010).	Operating Revenue						80,000		80,000
Tractor/Snow Blower Units	Trade-in Sidewalk Snow Blower Units #5 and #6 (2021).	Operating Revenue						70,000		70,000
<u>DOWNTOWN AREA</u>										
Parking Lot Paving	Paving existing lot and pay station installation.	Operating Revenue		75,000						75,000
<u>PARKS AND SPECIAL FACILITIES</u>										
Little Traverse Wheelway Resurfacing	Resurfacing.	Operating Revenue	260,000							260,000
Replace Promenade Playground	Playground will be 30 years old.	TIFA/Grant Funding							300,000	300,000
Lower Tennis Court Reconstruction	Lower courts will be in need of replacement in partnership with the Public Schools of Petoskey.	Operating Revenue	150,000							150,000
Upper Tennis Court Repaving	The upper tennis courts will need repaving in partnership with the Public Schools of Petoskey.	Operating Revenue	50,000							50,000
Pickle Ball Court Repainting	Repaving of courts at Riverbend Park constructed in 2020.	Operating Revenue	25,000							25,000
Paddle Sport Improvements at Bayfront Park	Improvements to include storage and installation of a barrier free launch.	TIFA							125,000	125,000
Magnus Park Phase 2	Magnus Park has a 60 year-old infrastructure and needs to be updated. The utilities often cannot keep up with the more modern RV's. The park has become a destination for seasonal and transient campers for several years and is in need of renovation. Based on final design, the park should be completed in two phases so an entire season will not be lost. Final design has not been determined however concepts that include development on the bluff, full hook up sites, rustic sites and cabins have all been developed.	TIFA							2,000,000	2,000,000
Grand Totals			\$485,000	\$75,000	\$750,000	\$1,046,000	\$1,000,000	\$502,000	\$2,425,000	\$6,283,000

City of Petoskey 2023-2028 Capital Improvement Plan

2027 Projects



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**City of Petoskey
Capital Improvement Plan
Project Funding Source
2028**

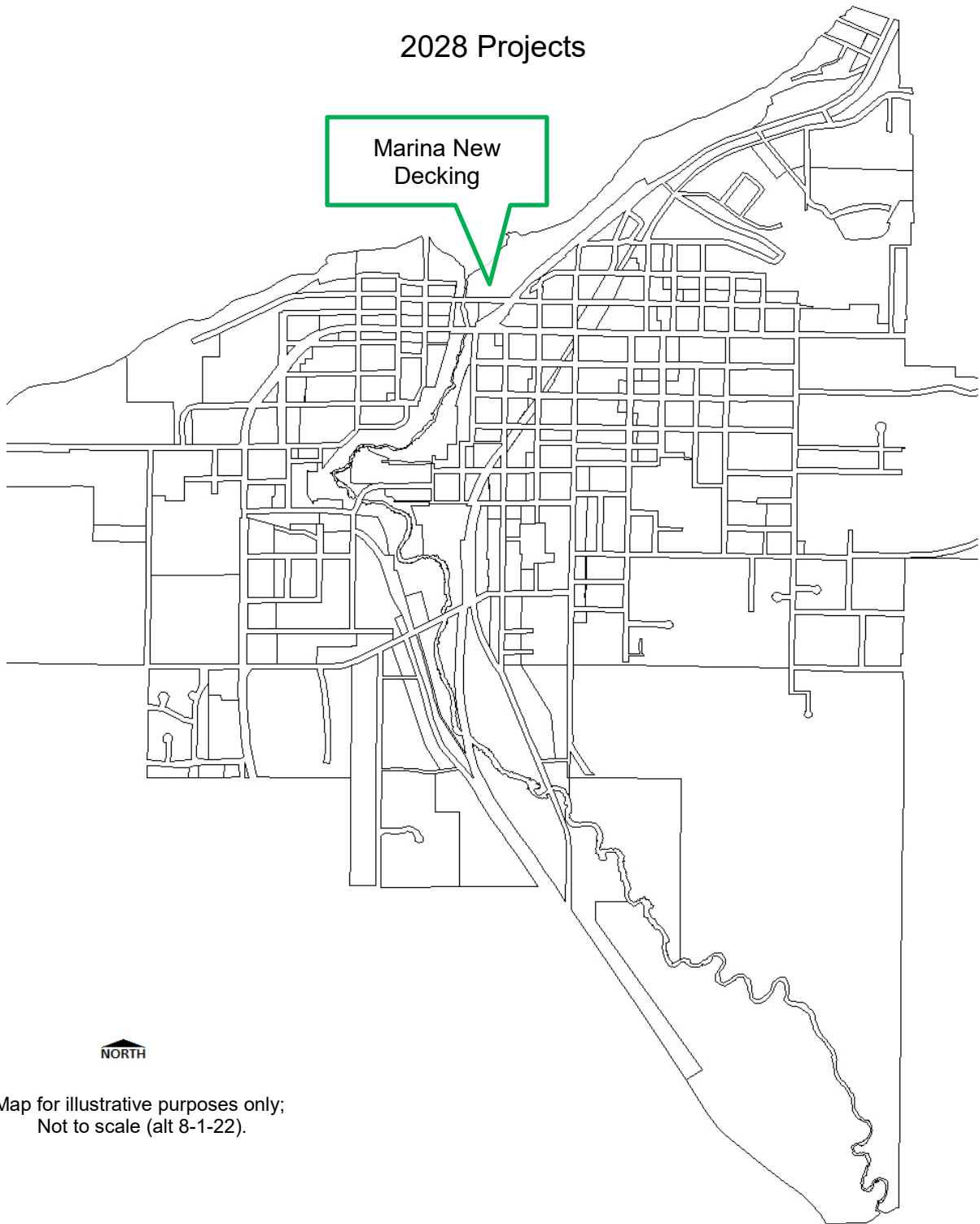
PROJECT CATEGORY	Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>STREETS AND DRAINAGE</u>									
Full Reconstruction of Streets Identified through PASER Ratings and Utility Conditions	These streets are not candidates for pavement preservation. Possible candidates include Willis and Winfield Avenue.	Right-of-Way		1,412,000					1,412,000
<u>WATER AND WASTEWATER SYSTEM</u>									
Water - Reconstruction and Miscellaneous Water Main Spot Repairs and Upgrades	Water main work in conjunction with identified street reconstruction.	Operating Revenue				600,000			600,000
Sanitary - Reconstruction and Miscellaneous Sanitary Main Spot Repairs and Upgrades	Sewer main work in conjunction with identified street reconstruction.	Operating Revenue				600,000			600,000
<u>SIDEWALKS</u>									
Miscellaneous Sidewalk Construction	Sidewalk additions and replacement will occur in conjunction with street projects and in priority locations established in the Non-Motorized Facilities Plan.	Right-of-Way		200,000					200,000
<u>ELECTRIC SYSTEM</u>									
River Valley Underground - PET5 (McLaren/ Burns)	Conversion of the overhead express 7.2/12.5kV McLaren/ Burns feeder to underground from Petoskey Substation through the Bear River Valley to lone Street. Adds reliability to this express feeder serving one of the highest critical loads on the system.	Operating Revenue				346,000			346,000
Vantage View Underground Replacement	Replacement of the 30+ year old underground cable and equipment in Vantage View subdivision. Existing equipment is inaccessible along rear lot lines. New equipment will be placed along roadways.	Operating Revenue				350,000			350,000
Cemetery Road Underground	Conversion of the existing 7.2/12.5kV overhead open-wire distribution circuit to underground along a portion of Cemetery Road starting at the City limits. Converts this section of mainline circuit serving large load customers to a more reliable system.	Operating Revenue				206,000			206,000
Mitchell Road Substation Capacitor Bank	Install (1) two-step 2400 kVAR pad mounted capacitor bank at Mitchell Road Substation to compensate for increased VAR flow on the 12.5 kV distribution circuits. Includes a new 1200A switchgear breaker for direct connection to the bus.	Operating Revenue				220,000			220,000

**City of Petoskey
Capital Improvement Plan
Project Funding Source
2028**

PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>MOTOR POOL</u>										
Tractor/Snow Blower Units	Trade-in Sidewalk Snow Blower Units #7 and #8 (2021).	Operating Revenue						70,000		70,000
Pickup Truck - Parks and Rec - Replacement	Replace Parks and Recreation Unit #76 (2017) pickup.	Operating Revenue						40,000		40,000
Pickup Truck - Public Works - Replacement	Replace Public Works Unit #78 (2019) pickup.	Operating Revenue						40,000		40,000
Heavy Duty Plow Truck/Underbody - Streets - Replacement	Replace Unit #93 (2006).	Operating Revenue						265,000		265,000
Patrol Vehicle - Replacement	To replace patrol vehicle #442 (2021) with 2028 unit. Painting and lettering required.	Operating Revenue						40,000		40,000
Patrol Vehicle - Replacement	To replace patrol vehicle #443 (2021) with 2028 unit. Painting and lettering required.	Operating Revenue						40,000		40,000
<u>DOWNTOWN AREA</u>										
Construction of a Parking Deck	Construction of a Deck on the City-County Lots.	Parking							3,500,000	3,500,000
<u>BUILDINGS AND GROUNDS</u>										
East Lake Street Fire Station Renovations	The building was remodeled into the Fire Station in 1989 and will require numerous upgrades including replacement of windows, kitchen remodel, replacement of tube heating system, training room cabinet remodel, interior apparatus area painting, HVAC rooftop unit, furnaces (2), carpet replacement, window replacement and interior lighting upgrades.	Operating Revenue	243,000							243,000
<u>PARKS AND SPECIAL FACILITIES</u>										
Curtis Park Development	Recommendations for improvements will be determined through master plan and public comments. Development could include nature trails, forestry improvements, shelters and park amenities. The park currently is not ADA accessible.	Operating Revenue/Grant Funding	500,000						250,000	750,000
Marina	New decking.	Operating Revenue	500,000							500,000
Little Traverse Wheelway	Resurfacing.	Operating Revenue	150,000							150,000
Grand Totals			\$1,393,000	\$0	\$1,612,000	\$1,122,000	\$1,200,000	\$495,000	\$3,750,000	\$9,572,000

City of Petoskey 2023-2028 Capital Improvement Plan

2028 Projects



Map for illustrative purposes only;
Not to scale (alt 8-1-22).

**City of Petoskey
Capital Improvement Plan
Long Term Projects/Capital Items Lacking Funding**

PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>STREETS AND DRAINAGE</u>										
Miscellaneous Pavement Preservation, Paving and Repair	The purpose of this project is to replace or rehabilitate existing pavement and curb lines. Streets to be considered fall under the category of fair to poor based on PASER ratings.	Right-of-Way			TBD					TBD
Storm Sewer System Upgrades	Projects identified in the 2018 Stormwater Asset Management Plan.	Right-of-Way			TBD					TBD
Full reconstruction of streets identified through PASER ratings and utility conditions	Streets that are not candidates for pavement preservation and will require significant funding for reconstruction. Possible candidates include Buckley, Willis, Ingalls, Jackson.	Right-of-Way			TBD					TBD
<u>WATER AND WASTEWATER SYSTEM</u>										
Lead Service Line Replacements	New lead and copper rules dictate that any portion of a water service line that may have been in contact with lead is considered a lead service line and would need to be removed and replaced within the dwelling it serves. Rule requirements include a system wide inventory by year 2025 to determine the number of service replacements. Once determined, replacements must occur at a rate of 5% per year over a 20 year period. Service line replacements are estimated at \$7,000 per service.	Operating Revenue					TBD			TBD
Ingalls Central to Westshore Gravity Bypass	This project would help automatically transfer water between two pressure districts and provide for additional system redundancy and reliability.	Operating Revenue					50,000			50,000
Development of Wells 8 & 9	Two water wells were originally partially developed by a private developer as part of a capacity agreement near the intersection of Anderson and Intertown Road in the early 2000s. Since other wells were being developed as part of other agreements these two were never equipped. As consumption increases or as the other older wells produce less over time, these two will likely be needed in the future.	Operating Revenue					3,800,000			3,800,000
Submersible Pump Changeouts for Lift Stations	The wastewater lift stations originally installed as part of the Bay Harbor Development are nearly 25 years in age, periodic replacement will be phased in over multiple years.	Operating Revenue					250,000			250,000
Watermain Replacement - Upper District Sheridan to US-131 Tower	This is an ongoing replacement of vintage 1960s transmission water main that has been incrementally replaced through various street and infrastructure projects.	Operating Revenue					1,410,000			1,410,000

**City of Petoskey
Capital Improvement Plan
Long Term Projects/Capital Items Lacking Funding**

PROJECT CATEGORY		Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total
<u>SIDEWALKS</u>										
Sidewalk Construction and Maintenance	The City has prioritized construction of sidewalks and now has 44.3 miles to maintain.	Right-of-Way			TBD					TBD
<u>ELECTRIC SYSTEM</u>										
Resort Pike Tie - PET2 to PET4	Installation of #336.4 Hendrix south from Sterzik Road to the CE 138kV line, then 500kCM 15kV CU underground extending north to the existing #336.4 ACSR dead-end pole.	Operating Revenue				215,000				215,000
Mitchell Road Overhead Reconductor	Reconductor overhead three-phase line on Mitchell Road from Division Road to Hill Street. Complete in conjunction with 500kCM underground cable to Kalamazoo Avenue and East Lake Street, plus overhead reconductor on Lake Street to Division Street for new/redundant 7.2/12.5kV source into CBD.	Operating Revenue				65,000				65,000
East Mitchell Street Underground Cable	Installation of 500kCM 15kV underground cable from riser pole near Lincoln Place to Kalamazoo Avenue and Lake Street.	Operating Revenue				210,000				210,000
Utility System Generators	Providing fixed generation at key utility facilities. (e.g. well houses, lift stations)	Operating Revenue				375,000				375,000
West Sheridan Street Underground Upgrade	Replace direct buried cable and rusted equipment with new cable in conduit and equipment in more protected areas. Add switchgear with fused taps to improve sectionalizing and circuit reliability.	Operating Revenue				336,000				336,000
Mitchell Road Substation Driveway Paving	Grading, drainage improvements and paving of the Petoskey Substation driveway.	Operating Revenue				55,000				55,000
<u>MOTOR POOL</u>										
Heavy Utility Support Vehicle - Public Safety - Replacement	Replace Public Safety vehicle #522 (1992).	Operating Revenue						150,000		150,000
<u>DOWNTOWN AREA</u>										
Parking Lot and Structure Improvements	On-going maintenance of lots, meters and possible structure will be needed.	Operating Revenue			TBD					TBD
<u>BUILDING AND GROUNDS</u>										
Public Safety West	Built in 2011, building maintenance will require replacement windows, boiler upgrade, HVAC replacement and carpeting.	Operating Revenue	82,000							82,000
History Museum	Museum was built in 1971 and soffit will need replacement.	Operating Revenue	10,000						TBD	10,000

**City of Petoskey
Capital Improvement Plan
Long Term Projects/Capital Items Lacking Funding**

PROJECT CATEGORY	Funding Source	General	Parking	Streets	Electric	Water & Sewer	Motorpool	Grants/Other	Total	
PARKS AND SPECIAL FACILITIES										
Little Traverse Wheelway - Resort Bluffs Potential Relocation	Potential relocation of the Little Traverse Wheelway from Magnus Park to East Park due to trail washout.	Operating Revenue						TBD	TBD	
Bayfront Park Shoreline Stabilization Improvements	Due to on-going high water levels and resulting damage, improvements to stabilize shoreline.	Operating Revenue	7,000,000					TBD	7,000,000	
Bayfront Park Marina	Upgrades to dock system to respond to fluctuating water levels.	Operating Revenue						TBD	TBD	
Bayfront Park Irrigation Extension	Install automated sprinkler system from Arboretum restroom to parking area east of Ed White Field. This area is currently partially irrigated with a manual plug-in system which provides inadequate coverage – requires manpower and must run during high use times when employees are available, which interferes with the general public.	Operating Revenue	32,000						32,000	
Lake Street Dam Improvements	Implementation of the chosen alternative from engineering study.	Operating Revenue						TBD	TBD	
Little Traverse Wheelway	LTW restoration (\$48 per linear foot x 5,280 (1 mile) x 8 miles).	Operating Revenue	2,027,520						2,027,520	
Downtown Greenway Corridor - Washington Street to River Bend Park	Extension of the Downtown Greenway Corridor to connect to River Bend Park.	Operating Revenue						TBD	TBD	
Bear River Valley	Extending whitewater improvements to south of Bridge Street, boardwalk replacements and improvements and trail repairs.	TIFA						455,000	455,000	
Magnus Park Campground Improvements	Campground and day use improvements per the Park Master Plan.	TIFA						TBD	TBD	
School Recreation Complex Maintenance	Projects to include Turcott drainage improvements,	Operating Revenue	250,000					250,000	500,000	
River Road Sports Complex	The complex will require softball field fence replacement, restroom renovations and parking lot redesign.	Operating Revenue	130,000					100,000	230,000	
Dog Park	Dog park was identified as a top community project based on public feedback per the current Parks and Recreation Master Plan.	Operating Revenue	100,000					200,000	300,000	
Miscellaneous	Miscellaneous replacements including park benches and picnic tables as identified.	Operating Revenue	75,000						75,000	
Bear River Valley Stair Tower and Pedestrian Bridges Maintenance.	Painting of stair tower and pedestrian bridges.	Operating Revenue	30,000						30,000	
Grand Totals			\$9,736,520	TBD	TBD	\$1,256,000	\$5,510,000	\$150,000	\$ 1,005,000	\$17,657,520