

CAPITAL IMPROVEMENTS PLAN

FISCAL YEARS 2021 to 2026



10/1/2020

CITY OF WYANDOTTE, MICHIGAN

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CAPITAL IMPROVEMENTS PLAN

OVERVIEW

The City of Wyandotte's Capital Improvements Plan (CIP) outlines a schedule of public service expenditures over the ensuing six-year period (Fiscal Years 2021-2026). The CIP does not address all of the capital expenditures for the City, but for large, physical improvements that are permanent in nature, including basic facilities, services and installations needed for the functioning of the community. These include transportation systems, utilities, infrastructure, municipal facilities and other miscellaneous projects.

To qualify for inclusion in the CIP, a project must:

1. Constitute permanent, physical or system improvements greater than or equal to \$50,000.00;
2. A program of projects whose total is \$50,000.00 (playgrounds, neighborhood parks);
3. Significant equipment purchases in excess of \$50,000.00 with a useful life of at least ten years;
4. A study of at least \$50,000.00 that will lead to such projects

Projects which are considered operational or routine maintenance are excluded from the CIP.

What are Capital Improvement Projects?

Capital improvement projects are major and infrequent expenditures, such as the construction of a new facility, a major rehabilitation or repair of an existing facility, or the purchase of major equipment. Capital improvement projects are non-recurring expenditures that tend to be large both in physical size and in cost, and have a long-term usefulness (10 years or more).

Examples of capital improvement projects can include:

- Renovation/construction of new city hall
- Construction of a new fire station
- Extension of a water/sewer line
- Purchase of a new fire truck

- Major rehabilitation of a city-owned building
- Creation of a new city park

Examples of expenditures which would not usually constitute a capital improvement project include:

- Purchase of new office furniture or computers
- Purchase of small equipment (lawn mowers, copiers, individual computers, etc.)
- Recurring maintenance of existing facilities
- Minor repairs of existing buildings and equipment
- Minor improvements to existing buildings (carpet, painting, etc.)

What are the benefits of preparing a CIP?

The CIP is more than just a State requirement; it is an essential planning tool in addition to a statement of budgetary policy. It informs the taxpayers of Wyandotte how the city plans to prioritize, schedule, and coordinate capital improvement projects over the next six years. The benefits of creating and annually updating the CIP include:

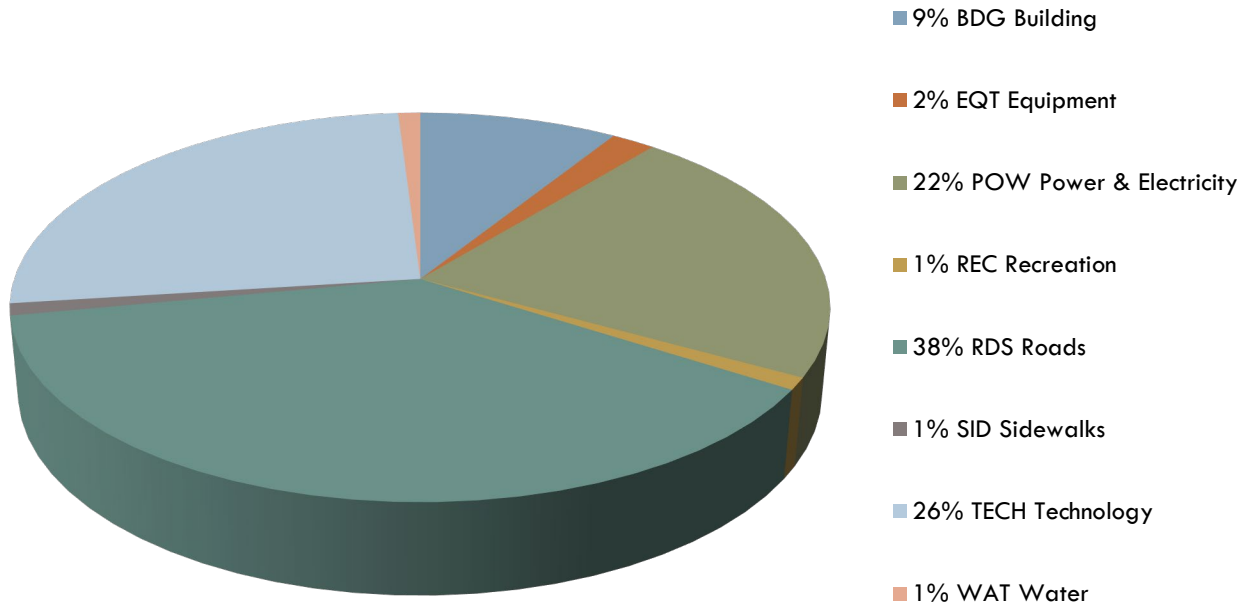
- Prudent use of taxpayer dollars
- Focusing the city expenditures on the needs of the community
- Prioritizing projects across the needs of the community
- Generating community support by inviting public input
- Promoting economic development
- Improving the city's eligibility for State and Federal grants
- Providing an implementation tool for the goals and objectives of the City's Master Plan
- Transparency in identification of high-priority projects
- Coordination/cost-sharing between projects

Preparation of the Capital Improvements Plan is done under the authority of the Municipal Planning Commission Act (Act 33 of the Public Acts of 2008). It is the City of Wyandotte's goal that the CIP be used as a tool to implement the City Master Plan and assist in the City's financial planning. The Capital Improvements Plan proposes project funding relative to the anticipated availability of fiscal resources and the choice of specific improvements to be achieved throughout a six-year period. The first two years of the Capital Improvements Plan serve as the basis for establishing the City's Capital Projects Budget (CPB), programming the implementation of the planned projects for the upcoming two fiscal years. The CIP and CPB make up the City's Capital Improvements Program.

A total of 41 projects are included in the 2021 CIP with one-year funding of \$23,478,915 and six-year funding need for fiscal year FY2021 - FY2026 of \$114,713,995.00.

The spreadsheet in Appendix 'A' includes a summary of projects for FY2021. The pie chart on the following page illustrates a breakdown of CIP Projects for FY2021.

CIP Project Breakdown 2021



The spreadsheet in Appendix 'A' outlines a summary of Capital Improvement projects for the Fiscal Years 2021 to 2026.

The spreadsheet in Appendix 'B' outlines a detailed summary of Capital Improvement projects for the Fiscal Year 2021.

EXISTING CAPITAL FACILITIES

CITY-OWNED BUILDINGS

In developing a Capital Improvements Plan, communities often find it essential to develop an inventory of their existing capital facilities. Before a community develops a list of 'What we need', it is important to first look at 'What we have'. The following is a summary of the City of Wyandotte's major capital facilities and their current condition (where applicable), as determined by the directors of the respective departments.



Wyandotte City Hall
3200 Biddle Avenue

Houses: Mayor and City Council, Council Chambers, City Administration, Engineering & Building, Assessor, City Clerk, Customer Service Center, Municipal Services Administration, Cable Television.

Extent of Use: Heavy



26th District Court & Police Station
2015 Biddle Avenue

Houses: 27th District Court, Police Station

Extent of Use: Heavy



Central Fire Station #1
266 Maple Street

Houses: Fire Station, Fire Chief Offices

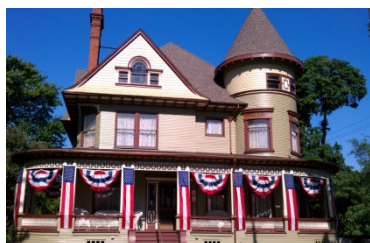
Extent of Use: Heavy



Fire Station #2
1093 Ford Avenue
Houses: Fire Station
Extent of Use: Heavy



Benjamin F. Yack Arena
3131 Third Street
Houses: Yack Ice Arena & multipurpose facility, Recreation Dept. Offices
Extent of Use: Heavy



Wyandotte Museum (Ford MacNichol Home)
2610 Biddle Avenue
Houses: Wyandotte Museum & Archives
Extent of Use: Light



Wyandotte Museum Offices (Burns Home)
2624 Biddle Avenue
Houses: Wyandotte Museum Offices & Archives, Special Event Offices,
Historical Society Offices
Extent of Use: Moderate



Historic Marx Home
2630 Biddle Avenue

Houses: Wyandotte Museums meeting rooms & Granzier + Blankenship Law Firm

Extent of Use: Light



Old Timer's Log Cabin
Van Alstyne

Houses: Rental Space for parties

Extent of Use: Light



James R. DeSana Center for Arts & Culture
81 Chestnut

Houses: Downriver Council for the Arts

Extent of Use: Moderate



Wyandotte Shores Golf Course
3625 Biddle Avenue

Houses: Golf Course, Club House

Extent of Use: Light



Wyandotte Animal Pound & Recycling Center
1170 Grove Street

Houses: Animal Pound, Animal Adoption, Recycling Center
Extent of Use: Moderate



Department of Public Services
4201 13th Street

Houses: DPS Offices, Vehicles, City Dump
Extent of Use: Heavy



Copeland Senior Center
2306 4th Street

Houses: Senior Center
Extent of Use: Moderate



Recreation Maintenance Garage
1100 Biddle Avenue

Houses: Storage for senior vehicles & equipment, parks equipment & museums archive and storage
Extent of Use: High

WYANDOTTE MUNICIPAL SERVICES BUILDINGS & FACILITIES

Wyandotte Municipal Services (WMS) is a community-owned, not-for-profit services provider, created by local residents more than a century ago to provide high quality, affordable services tailored to meet the demands of Wyandotte's consumers. WMS also offers water, phone, internet and cable television services. WMS owns and operates the following buildings, equipment and property:



Water Department Offices & Pump Station, 2555 Van Alstyne

Water Department High- and Low-Pressure Pump, 2555 Van Alstyne

Water Department Filter Buildings, 2555 Van Alstyne

Water Department Garage, 2555 Van Alstyne

Electrical Main Substation, 2555 Van Alstyne

Electrical Power Plant Screen House, 2555 Van Alstyne

Electrical Power Plant, 2555 Van Alstyne

Electrical Storage Building/Trailer, 2555 Van Alstyne

Water Tower, 3575 11th Street

Electrical Substation #6, 3575 11th Street

Electric Office/Garage/Staging, 3575 11th Street

Electric/Cable Storeroom, 3601 11th Street

Electrical Substation #7, 810 Electric Avenue

Electrical Substation #8, Vassar Street

WC Pumping Station, Pine & River

Grove Street Substation, Grove Street

Substation #5, Vinewood & Van Alstyne

Cable Headend/IT Server, 3003-3005 Biddle Avenue

Substation #9, 325 Clark Street

Diesel Generators, North of Power Plant and Power Plant

Steam Line, Between Power Plant and BASF Property

Water Department Offices & Garage/Staging, 1771 6th Street

PARKS & RECREATIONAL FACILITIES



BASF Waterfront Park, Biddle Avenue South of Eureka

Bishop Park, Van Alstyne

Exchange Park, 2nd Street & Felice

F.O.P. Park, 8th & Bondie

K of C Tot Lot, McKinley & Davis

Jaycees Park, 4th Street & Mulberry

Kiwanis Club Park, 6th Street & North Drive

Memorial Park, 20th Street & Ludington

Oak Club Park, 20th Street & Vinewood

Rotary Park, 3rd Street & Maple

P.A.C. Club Park, 6th & Alkali

Capital Improvements Plan

Pulaski Park, 12th Street & Oxford Court

VFW Park, 11th Street & Cherry

Wyandotte Athletic Association Park, Alfred & Highland Park

Wyandotte Lions Club Park, Vinewood & 9th Street

Wyandotte Skate Park, 20th and Grove Streets

FUNDING ISSUES AND SOURCES

As is often the case with governmental agencies, the total funding need identified in the CIP exceeds the available funding. There are projects contained in this CIP that do not have an established, secure source of funding at this time. Projects in the first two years of the CIP form the basis for the City's Capital Budget and generally require secure funding. That funding may include specific limited General Fund requests. Some higher priority unfunded projects (generally anticipated to be funded via grants or outside funding) are included in years 1 or 2 of the plan in the event funding is obtained and the projects can then be implemented.

GENERAL FUNDED VS. ALTERNATIVELY FUNDED PROJECTS

Of the \$114,713,995.00 needed to fund all of the FY2021–2026 CIP program, monies for particular projects may come in part or in whole from discretionary fund sources outside the City's General Fund. Such dollars are included in totals shown because they fund improvements to assets which belong to the City, will become so upon project completion, or are part of an intergovernmental or interagency project in which the City is a participant. Discretionary funds are defined here as those which require specific application to obtain or which come from other non-City sources at the discretion of others. Certain projects may receive funding from non-City sources which the City receives by formula and so are not considered discretionary. Project funding sources are identified in the Master CIP spreadsheet.

PRIORITIZATION OF PROJECTS

The initial task for the City of Wyandotte Department Heads is to generate a list of identified capital needs (identification of projects). The next, and most critical process component, is rating the relative merits of each project (prioritization). This crucial step, while constrained by the amount of funding anticipated to be available for capital projects and timing of availability of funds when more than one asset category is involved in a project, nonetheless provides invaluable information in the CIP plan decision-making process. Shrinking funds and rising costs incurred in maintaining and rehabilitating deteriorating infrastructure make the process of selecting the most vital capital projects even more crucial and difficult. The merits of each identified capital need must be judged against the policies and criteria of the CIP process and the goals of each component of the master plan, as well as against the other competing needs in that particular asset category. Prioritization of CIP projects is identified in the Master CIP spreadsheet.

COMMUNITY INPUT AND INFORMATION SHARING

As the City's focus on community engagement efforts identified in the Public Participation Plan, many new capital improvement projects are being generated from such interactions. The City of Wyandotte engages in infrastructure related planning and evaluative studies that have involved citizen advisory groups and/or community-wide engagement efforts. The results of such studies have begun to generate capital improvement projects which were heavily driven by such citizen input. Resident requests on specific topics have also initiated a number of capital improvement projects.

CIP CLASSIFICATIONS

CIP Prefix	CIP Category
BDG	Buildings and Property
EQT	Equipment
RDS	Roads
REC	Parks & Recreation
POW	Power & Electricity
SID	Sidewalks & Pathways
WAT	Utilities: Water

CIP EVALUATION

The City’s Capital Improvements Plan (CIP) is reviewed on an annual basis. The City Administrator will be responsible for keeping track of this review and will be responsible for compiling the CIP efforts of the various City Departments. This will create a continuous review process which will enable City officials to successfully keep track of service expenditures over the ensuing six-year period.

CAPITAL IMPROVEMENTS PROGRAM

2021-2026 PROJECT SUMMARY

						CURRENT	PROJECTED		FORECAST		
						FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
CIP NUMBER AND PROJECT NAME	DEPARTMENT	FUND	PRIORITY	TOTAL COST	COST	COST	COST	COST	COST	COST	
Buildings & Property											
BDG1000	Ford MacNichol Home - Exterior Painting and Repair	Museum	Museum Reserve, Grants	High	\$ 120,000.00		\$ 120,000.00				
BDG1100	1100 Biddle - Roof Replacement	Engineering	General/TIFA	Medium	\$ 80,000.00		\$ 80,000.00				
BDG1200	3200 Biddle Ave - City Hall Elevator	Engineering	General	High	\$ 290,000.00		\$ 290,000.00				
BDG1201	3200 Biddle Ave - City Hall Exterior Painting	Engineering	General/Bldg. rental fund	Low	\$ 150,000.00				\$ 150,000.00		
BDG1202	City Hall Generator	Engineering	General/Bldg. rental fund	Low	\$ 300,000.00				\$ 300,000.00		
BDG1203	3200 Biddle Ave - City Hall HVAC	Engineering	General/Bldg. rental fund	High	\$ 480,000.00		\$ 480,000.00				
BDG1204	3200 Biddle Ave - Roof	Engineering	General/Bldg. rental fund	Medium	\$ 350,000.00		\$ 350,000.00				
BDG1300	4201 13th - DPS Roof	Engineering	General/TIFA	Medium	\$ 650,000.00		\$ 650,000.00				
BDG1301	4201 13th - Storage Building	Engineering	General/TIFA	Medium	\$ 400,000.00		\$ 400,000.00				
BDG1400	1093 Ford - Fire Station 2 Roof	Engineering	General/TIFA	Medium	\$ 85,000.00		\$ 85,000.00				
BDG1500	81 Chestnut - DeSana Arts - Roof, plaster	Engineering	General/Grants	Medium	\$ 315,000.00		\$ 220,000.00	\$ 95,000.00			
BDG1600	2015 Biddle - Police/Court Roof	Engineering	General/TIFA	Medium	\$ 300,000.00	\$ 300,000.00					
BDG1700	3625 Biddle - Wyandotte Shores - Roofs	Engineering	General	Low	\$ 270,000.00	\$ 90,000.00	\$ 90,000.00	\$ 90,000.00			
BDG1800	3131 Third - Yack Roof	Engineering	General/TIFA	Medium	\$ 475,000.00				\$ 475,000.00		
BDG1900	2555 Van Alstyne - power plant driveway for Aux Boiler Building	WMS	General	High	\$ 60,000.00	\$ 60,000.00					
BDG2000	3665 11th Street - New Headend, IT Server Room, Building Buildout	WMS	General, Bond	High	\$ 1,686,210.00	\$ 1,686,210.00					
					\$ -						
					\$ -						
					\$ 6,011,210.00	\$ 2,136,210.00	\$ 2,765,000.00	\$ 185,000.00	\$ -	\$ 925,000.00	

Equipment

EQT1000	Police & Court Security Fencing	Police	General	Medium	\$ 100,000.00		\$ 100,000.00			
EQT1100	Police Vehicles	Police	General	Medium	\$ 937,000.00	\$ 107,000.00	\$ 160,000.00	\$ 160,000.00	\$ 170,000.00	\$ 170,000.00
EQT1200	New Fire Engine	Fire Department	General	High	\$ 1,015,000.00		\$ 300,000.00	\$ 100,000.00	\$ 115,000.00	\$ 200,000.00
EQT1300	Cardiac Monitors	Fire Department	General	High	\$ 80,000.00			\$ 80,000.00		
EQT1400	Power Lift Stretchers for Ambulances	Fire Department	General	High	\$ 85,000.00	\$ 85,000.00				
EQT1500	Utility Vehicle	Fire Department	General	High	\$ 85,000.00		\$ 85,000.00			
EQT1600	Ambulance Replacements	Fire Department	General	High	\$ 400,000.00			\$ 200,000.00		\$ 200,000.00
EQT1700	Cable Vehicle Replacement	Cable	General	High	\$ 860,000.00		\$ 155,000.00	\$ 35,000.00	\$ 35,000.00	\$ 600,000.00
EQT1800	Water Vehicles Replacement	WMS	General	High	\$ 565,000.00	\$ 225,000.00	\$ 115,000.00	\$ 50,000.00	\$ 75,000.00	\$ 50,000.00

						CURRENT	PROJECTED		FORECAST		
						FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
CIP NUMBER AND PROJECT NAME	DEPARTMENT	FUND	PRIORITY	TOTAL COST		COST	COST	COST	COST	COST	COST
EQT1900	DPS Equipment	DPS	General	High	\$ 1,015,000.00	\$ 200,000.00	\$ 100,000.00	\$ 100,000.00	\$ 115,000.00	\$ 300,000.00	\$ 200,000.00
					\$ -						
					\$ -						
					\$ 5,142,000.00	\$ 617,000.00	\$ 1,015,000.00	\$ 365,000.00	\$ 710,000.00	\$ 855,000.00	\$ 1,420,000.00

Parking Lots

PKG1000	Downtown Parking Lots	DDA	DDA Fund Balance	Medium	\$ 1,000,000.00		\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00
PKG1100	Parking Lots Outside DDA & TIFA	Engineering	General	High	\$ 150,000.00		\$ 150,000.00				
PKG1200	Parking Lots Within DDA & TIFA	Engineering	General/DDA/TIFA	High	\$ 307,000.00		\$ 100,000.00	\$ 27,000.00	\$ 180,000.00		
					\$ -						
					\$ -						
					\$ 1,457,000.00	\$ -	\$ 450,000.00	\$ 227,000.00	\$ 380,000.00	\$ 200,000.00	\$ 200,000.00

Placemaking

PLC1000	Downtown Alleyway Improvements	DDA	General	Medium	\$ 5,000,000.00		\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00
PLC1100	Veterans Memorial Relocation	Engineering	General/TIFA	Medium	\$ 20,000.00		\$ 20,000.00				
					\$ -						
					\$ -						
					\$ 5,020,000.00	\$ -	\$ 1,020,000.00	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00

Power & Cable

POW1000	Digital Receivers	WMS	General	High	\$ 140,000.00		\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 40,000.00	\$ 40,000.00
POW1100	Engineering Projects	WMS	General	Medium	\$ 170,000.00	\$ 20,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00
POW1200	Cable Head End Equipment	WMS	General	High	\$ 500,000.00		\$ 50,000.00	\$ 50,000.00	\$ 100,000.00	\$ 150,000.00	\$ 150,000.00
POW1300	Hi-Rise Building Service Drop Wires	WMS	General	High	\$ 780,000.00	\$ 280,000.00	\$ 250,000.00	\$ 100,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
POW1400	VOD Upgrade	WMS	General	High	\$ 180,000.00	\$ 60,000.00		\$ 60,000.00		\$ 60,000.00	
POW1500	MOBTV APP BASED TV - Servers, Integration, Transcoding	WMS	General	Medium	\$ 180,000.00	\$ 40,000.00	\$ 20,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00
POW1600	Power Plant 3168 Screen House Upgrades	WMS	General	High	\$ 640,000.00	\$ 320,000.00	\$ 320,000.00				
POW1700	Power Plant Boiler Upgrades	WMS	General	High	\$ 300,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00			
POW1800	Power Plant CEMS (Continuous Emissions Monitoring)	WMS	General	High	\$ 50,000.00	\$ 50,000.00					
POW1900	Power Plant - Natural Gas Engine Peaking Units	WMS	Bond Issue, MPPA Project	High	\$ 20,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00	\$ 18,000,000.00			
POW2000	Power Plant Natural Gas Header Metering	WMS	General	High	\$ 50,000.00			\$ 50,000.00			
POW2100	Power Plant Security Lighting and Yard upgrades	WMS	General	High	\$ 240,000.00	\$ 160,000.00	\$ 40,000.00	\$ 40,000.00			

						CURRENT	PROJECTED		FORECAST		
						FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
CIP NUMBER AND PROJECT NAME	DEPARTMENT	FUND	PRIORITY	TOTAL COST		COST	COST	COST	COST	COST	COST
POW2200	Power Plant Turbine Overhaul Fund	WMS	General	High	\$ 600,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00			
POW2300	69kv - Upgrades and replacement	WMS	General	High	\$ 950,000.00	\$ 200,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00
POW2400	T & D Construction	WMS	General	High	\$ 2,400,000.00	\$ 400,000.00	\$ 400,000.00	\$ 400,000.00	\$ 400,000.00	\$ 400,000.00	\$ 400,000.00
POW2500	Engineering Services	WMS	General	High	\$ 570,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 70,000.00
POW2600	GIS, SCADA and OMS	WMS	General	High	\$ 1,000,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 100,000.00	\$ 100,000.00
POW2700	Power Plant Indoor Bus Modifications	WMS	General	Low	\$ 500,000.00			\$ 250,000.00	\$ 250,000.00		
POW2800	Sub 6 - New 13.8 kv Indoor Building & Switchgear	WMS	General	High	\$ 1,400,000.00	\$ 700,000.00	\$ 700,000.00				
POW2900	Sub 10 69kv Cable Upgrades	WMS	General	Low	\$ 278,950.00	\$ 278,950.00					
POW3000	T & D Sub 10 Transformer 6902 & 6904 Retrofills	WMS	General	High	\$ 400,000.00	\$ 200,000.00	\$ 200,000.00				
POW3100	Sub 9 - New Distribution Transformer	WMS	General	High	\$ 1,400,000.00	\$ 922,000.00	\$ 478,000.00				
POW3200	Downtown Electricity	WMS	DDA	Low	\$ 1,000,000.00		\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00
POW3300	Downtown Pedestrian Street Lights	WMS	DDA	Medium	\$ 50,000.00		\$ 50,000.00				
					\$ -						
					\$ -						
					\$ 33,778,950.00	\$ 5,230,950.00	\$ 4,508,000.00	\$ 19,980,000.00	\$ 1,530,000.00	\$ 1,310,000.00	\$ 1,220,000.00

Recreation & Parks

REC1000	Permanent Playground Surfacing	Recreation	General	Medium	\$ 360,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00
REC1100	Golf Course Cart Path Replacement	Recreation	General	Medium	\$ 160,000.00	\$ 160,000.00					
REC1200	Golf Equipment Replacement	Recreation	General	Medium	\$ 113,000.00	\$ 12,500.00	\$ 70,500.00		\$ 30,000.00		
REC1400	Memorial Park Improvements	Recreation	General	Medium	\$ 85,000.00		\$ 25,000.00	\$ 60,000.00			
REC1500	Memorial Park Lighting	Recreation	General	Medium	\$ 260,000.00		\$ 52,000.00	\$ 52,000.00	\$ 52,000.00	\$ 52,000.00	\$ 52,000.00
REC1600	Wyandotte Fountain Renovation	Recreation	General	Low	\$ 200,000.00		\$ 200,000.00				
					\$ -						
					\$ -						
					\$ 1,178,000.00	\$ 232,500.00	\$ 407,500.00	\$ 172,000.00	\$ 142,000.00	\$ 112,000.00	\$ 112,000.00

Roads

RDS1000	City Street Improvements	Engineering	General	High	\$ 49,500,000.00	\$ 9,000,000.00	\$ 7,500,000.00	\$ 8,000,000.00	\$ 8,000,000.00	\$ 8,500,000.00	\$ 8,500,000.00
					\$ -						
					\$ 49,500,000.00	\$ 9,000,000.00	\$ 7,500,000.00	\$ 8,000,000.00	\$ 8,000,000.00	\$ 8,500,000.00	\$ 8,500,000.00

Sidewalks

SID1000	City Sidewalk replacement program	Engineering	Special assessment	Medium	\$ 1,150,000.00	\$ 150,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00
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						CURRENT	PROJECTED		FORECAST		
						FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
CIP NUMBER AND PROJECT NAME	DEPARTMENT	FUND	PRIORITY	TOTAL COST		COST	COST	COST	COST	COST	COST
				\$ -							
				\$ -							
				\$ 1,150,000.00		\$ 150,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00

Technology

TECH1000	New Converters (Digital & HD)/ONU FTTH CPE	WMS	General	High	\$ 900,000.00	\$ 100,000.00	\$ 160,000.00	\$ 160,000.00	\$ 160,000.00	\$ 160,000.00	\$ 160,000.00
TECH1100	EMTA Digital Phone & Wireless Modems/FTTH ONU	WMS	General	High	\$ 300,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
TECH1200	Studio Upgrade Replacement	WMS	General	Medium	\$ 236,000.00	\$ 91,000.00	\$ 40,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 30,000.00
TECH1300	System Evaluation/Rebuild	WMS	General	High	\$ 6,900,000.00	\$ 5,900,000.00	\$ 1,000,000.00				
					\$ -						
					\$ -						
					\$ -						
					\$ 8,336,000.00	\$ 6,141,000.00	\$ 1,250,000.00	\$ 235,000.00	\$ 235,000.00	\$ 235,000.00	\$ 240,000.00

Water Distribution

WAT1100	Replace Chlorine Delivery System & Tanks	WMS	General	High	\$ 150,000.00			\$ 75,000.00	\$ 75,000.00		
WAT1200	Water Filter Plant Rehab	WMS	General	High	\$ 1,290,700.00	\$ 645,350.00	\$ 645,350.00				
WAT1300	New Meter for High Service	WMS	General	High	\$ 50,000.00		\$ 50,000.00				
WAT1400	Rebuild Raw Intake Traveling Screen	WMS	General	High	\$ 50,000.00			\$ 50,000.00			
WAT1500	Rebuild High/Low Service Pump & Motor	WMS	General	High	\$ 300,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
WAT1600	Service Line Replacement	WMS	General	High	\$ 2,400,000.00	\$ 400,000.00	\$ 400,000.00	\$ 400,000.00	\$ 400,000.00	\$ 400,000.00	\$ 400,000.00
WAT1700	Water Main Replacement	WMS	General, TIFA	High	\$ 3,300,000.00	\$ 550,000.00	\$ 550,000.00	\$ 550,000.00	\$ 550,000.00	\$ 550,000.00	\$ 550,000.00
WAT1800	Advanced Metering Infrastructures (AMI)	WMS	General	High	\$ 1,161,345.00	\$ 387,115.00	\$ 387,115.00	\$ 387,115.00			
WAT1900	Water Meter Replacement Program	WMS	General	High	\$ 450,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00
					\$ 9,152,045.00	\$ 2,107,465.00	\$ 2,157,465.00	\$ 1,587,115.00	\$ 1,150,000.00	\$ 1,075,000.00	\$ 1,075,000.00

TOTALS BY YEAR	\$ 114,713,995.00	\$ 23,478,915.00	\$ 18,507,965.00	\$ 31,766,115.00	\$ 13,347,000.00	\$ 13,487,000.00	\$ 13,967,000.00
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CAPITAL IMPROVEMENTS PROGRAM

FY 2021 PROJECTS

CIP NUMBER	PROJECT NAME	DEPARTMENT	FUND	PRIORITY	FY 2021 COST
BDG: Buildings & Property					
BDG1600	2015 Biddle - Police/Court Roof	Engineering	General/TIFA	Medium	\$ 300,000.00
Replace aging roof per City's Roof Asset Management Plan 2018. This is the most urgent of all City roofs. Many repairs have been made. Recommend replace single ply with built up roof.					
BDG1700	3625 Biddle - Wyandotte Shores - Roofs	Engineering	General	Low	\$ 90,000.00
Replace roofs on Buildings A and B.					
BDG1900	2555 Van Alstyne - power plant driveway for Aux Boiler Building	WMS	General	High	\$ 60,000.00
Currently driveway (base of Poplar Street) is stone and hard to maintain during winter.					
BDG2000	3665 11th Street - New Headend, IT Server Room, Building Buildout	WMS	General, Bond	High	\$ 1,686,210.00
Remodel of 3665 11th Street for use a Cable Headend, IT Server room, Converter room and additional garage/storage space for Electric and Cable. Replaces 3005 Biddle.					
EQT: Equipment					
EQT1100	Police Vehicles	Police	General	Medium	\$ 107,000.00
Purchase of 2 vehicles for 2021 and the purchase of 3 vehicles per year for the following four years. This includes changeover, taking into account vehicle design changes and vehicle cost due to inflation.					
EQT1400	Power Lift Stretchers for Ambulances	Fire Department	General	High	\$ 85,000.00
Requesting to purchase two power lift stretchers to replace manual lift stretchers that are over 10 years old. Purchase will reduce employee injuries and increase patient safety.					
EQT1800	Water Vehicles Replacement	WMS	General	High	\$ 225,000.00
Various vehicles replaced under systematic replacement plan as vehicles exceed useful life.					
EQT1900	DPS Equipment	DPS	General	High	\$ 200,000.00
2021 skid loader, sweeper, cargo van; 2022 3 pickup trucks; 2023 backhoe; 2024 dump truck; 2025 2 - salt trucks; 2026 loader, lease 2nd sweeper.					
POW: Power & Electricity					
POW1100	Engineering Projects	WMS	General	Medium	\$ 20,000.00
General capitalized unforeseen but expected engineering needs related to system plant and headend e.g. Wendy's type buildouts.					
POW1300	Hi-Rise Building Service Drop Wires	WMS	General	High	\$ 280,000.00
2651 Biddle, 20 Chestnut and other hi-rise buildings as well as low rise MDU's - replacement of all drop wire - transition to FTTH.					

POW1400	VOD Upgrade	WMS	General	High	\$	60,000.00
Technology upgrades and additional storage capacity for expanding VOD offerings. VOD will continually be reviewed as to the form in which it is offered and accessed by customer.						
POW1500	MOBTV APP BASED TV - Servers, Integration, Transcoding	WMS	General	Medium	\$	40,000.00
Maintain/upgrade MobiTV app based streaming video service.						
POW1600	Power Plant 316B Screen House Upgrades	WMS	General	High	\$	320,000.00
Upgrade river water intake screens as required by EPA.						
POW1700	Power Plant Boiler Upgrades	WMS	General	High	\$	100,000.00
ESC (Environmental Systems Control) Data Logger for remote hosting are at end of life and must be replaced. Utilized with Stack Vision.						
POW1800	Power Plant CEMS (Continuous Emissions Monitoring)	WMS	General	High	\$	50,000.00
Upgrade CEMS monitoring dilution probe, controls and umbilical cord. Equipment required by EGLE/EPA for air permit monitoring.						
POW1900	Power Plant - Natural Gas Engine Peaking Units	WMS	Bond issue, MPPA Project	High	\$	1,000,000.00
Peaking generation or electric storage facilities at the power plant to maintain local generation capabilities, sized approximately.						
POW2100	Power Plant Security Lighting and Yard upgrades	WMS	General	High	\$	160,000.00
Updates to yard to eliminate any potential for industrial runoff, removal of oil separator silo as mandated by EGLE along with updated facility lighting. Paint/cover #7 stack. Security cameras for buildings and grounds.						
POW2200	Power Plant Turbine Overhaul Fund	WMS	WMS	High	\$	200,000.00
Sinking fund that will carryover from year to year to fund major turbine overhauls to maintain capacity.						
POW2300	69kv - Upgrades and replacement	WMS	WMS	High	\$	200,000.00
Replace the 40 year old 69kv Transmission system with new steel poles, new insulators, a static line for communication and better protection for lighting strikes. Also, reconductor for BASF expansion possibilities.						
POW2400	T & D Construction	WMS	WMS	High	\$	400,000.00
Ongoing capital improvements for the T&D system. Includes infrastructure upgrades such as metering sockets, house service, T&D poles, wire, switches along with streetlighting to improve our electrical facilities.						
POW2500	Engineering Services	WMS	WMS	High	\$	100,000.00
Capitalized engineering for projects including Joint Use Attachment, T & D infrastructure, other PP/T & D projects.						
POW2600	GIS, SCADA and OMS	WMS	General	High	\$	200,000.00
Design, assess and continued upgrades to computer systems to accomplish graphical interface with field assets, outage management and supervisory and data acquisition and control. Coordinate GIS with city.						
POW2800	Sub 6 - New 13.8 kv Indoor Building & Switchgear	WMS	General	High	\$	700,000.00
Replacing 40 year old switchgear at Sub 6 with new gear in a new building, installing circuit switchers, moving current transformers and building new transformer pads with containment.						
POW2900	Sub 10 69kv Cable Upgrades	WMS	General	Low	\$	278,950.00
Reconductor the 69kv cables on for 6902 & 6904 included the transformers and switches. Project done in conjunction with retrofills on same.						

POW3000	T & D Sub 10 Transformer 6902 & 6904 Retrofills	WMS	General	High	\$	200,000.00
Per travelers review, retrofill with FR3 oil. New gaskets and instrumentation for transformer monitoring; testing before and after work performed.						
POW3100	Sub 9 - New Distribution Transformer	WMS	General	High	\$	922,000.00
New sub 9 Distribution Transformer, including Bkrs, underground, bus and distribution circuits, 70/30 split with BASF based on load.						
REC: Recreation						
REC1000	Permanent Playground Surfacing	Recreation	General	Medium	\$	60,000.00
Replacing mulch areas on our playgrounds with poured in place rubber surfacing. Will reduce the constant maintenance and upkeep associated with woodchips (weeds, displacement, etc)						
REC1100	Golf Course Cart Path Replacement	Recreation	General	Medium	\$	160,000.00
The golf cart path is 25 years old and is due for resurfacing. Some sections will need to cut out and removed completely, while some will just need to be resurfaced.						
REC1200	Golf Equipment Replacement	Recreation	General	Medium	\$	12,500.00
Much of the equipment at the golf course is 15+ years old. This plan is to replace the Gators, Fairway mower and Greens mower in the next 4 years.						
RDS: Roads						
RDS1000	City Street Improvements	Engineering	General	High	\$	9,000,000.00
Many City streets have outlived their design life. Current funding allocations can not deep pace with the aging infrastructure and rising construction costs.						
SID: Sidewalks						
SID1000	City Sidewalk replacement program	Engineering	Special assessment	Medium	\$	150,000.00
Provide inspection of sidewalks as proactive approach to prevent injuries and safeguard City against litigation. Special Assessment Districts created to fund sidewalk replacement.						
TEC: Technology						
TECH1000	New Converters (Digital & HD)/ONU FTTH CPE	WMS	General	High	\$	100,000.00
Arris MG-2 Tivo, Evolution Ebox Arris 3200, Arris 3510 DVR, FTTH ONU & Optical CPE						
TECH1100	EMTA Digital Phone & Wireless Modems/FTTH ONU	WMS	General	High	\$	50,000.00
Replace damaged & BER Units. Upgrade non-wireless modems for legacy service. New stock for installs and maintenance new FTTH IP-based service ONU's (Optical Network Unit)						
TECH1200	Studio Upgrade Replacement	WMS	General	Medium	\$	91,000.00
Upgrade Mini Master control in Council Chambers. Upgrade council cameras/audio/equipment to HD. Upgrade cameras and miscellaneous equipment.						
TECH1300	System Evaluation/Rebuild	WMS	General	High	\$	5,900,000.00
System was built in 1982 and was rebuilt in 1999. System underwent significant tech upgrades from 2013 to 2017. System FTTH rebuild upgrade and head end move in FY 2019-2022. Covid-19 will push thru 2022.						
WAT: Water						
WAT1200	Water Filter Plant Rehab	WMS	General	High	\$	645,350.00
Payment - scope covers the oldest section of the Filter Plant in which we will add surface washing to 12 filters, replace 10", 16" and 18" valves, new hv system, add new stainless steel supports, exterior masonry restoration.						

WAT1500	Rebuild High/Low Service Pump & Motor	WMS	General	High	\$	50,000.00
Remove a high or low service pump from service so that the pump and motor can be inspected and rebuilt if necessary. Twelve (12) pump total, two (2) per fiscal year.						
WAT1600	Service Line Replacement	WMS	General	High	\$	400,000.00
To replace approx. 800 service line (5% per year for 20 years = 40/yr) from the water main to the meter. Pending new regs for replacement of service lines from the EGLE, costs could go up due to how far the EGLE requires.						
WAT1700	Water Main Replacement	WMS	General, TIFA	High	\$	550,000.00
Systematic replacement of city water mains with a priority of the oldest 4" and 6" mains.						
WAT1800	Advanced Metering Infrastructures (AMI)	WMS	General	High	\$	387,115.00
Replacement of the current AMR System with the Landis & Gyr Gridstream Solution. The water department component of the project involves installation of a transponder on the water meter that will facilitate via AMI.						
WAT1900	Water Meter Replacement Program	WMS	General	High	\$	75,000.00
Water department will purchase 5/8" meters up to 8" meters for this project. Annually, the Water Department installs approximately 400-500 meters have a life span of 15-25 years.						
					Total projects for FY 2021 year	\$ 23,478,915.00