



*Capital  
Improvement  
Plan*

**Oswego  
Fire  
Protection  
District**

Spring 2023



## OSWEGO FIRE PROTECTION DISTRICT

### CAPITAL IMPROVEMENT PLAN

#### Overview

The Oswego Fire Protection District provides fire protection, emergency medical services and rescue services to the entire Village of Oswego, a significant portion of the Village of Montgomery, a portion of the City of Plainfield and a small area within the city limits of Yorkville. In addition, the Oswego Fire Protection District provides services to areas of unincorporated Kendall and Will Counties within the 52 square miles of the Fire District's jurisdiction. The Fire District serves a total population of approximately 75,000 and in 2022 the Fire District responded to 6,763 calls for service.

The Oswego Fire Protection District maintains four fire stations and staffs 1 ladder truck, 3 ambulances, 3 fire engines and 1 command vehicle daily. The fire stations are located at 3511 Woolley Rd., Oswego (Station 1), 2200 Wiesbrook Drive, Oswego (Station 2), 2200 Galena Rd., Montgomery (Station 3), and 27100 W. 127<sup>th</sup> St., Plainfield (Station 4).

#### Future Capital Improvements

The Oswego Fire Protection District's Capital Improvement Plan establishes improvements needed to sustain adequate levels of emergency services and medical needs to the residents in the District.

Major projects in the five-year plan include:

- Apparatus and equipment replacement
- The building of Fire Station #5
- The purchase of cardiac monitors
- The purchase of self-contained breathing apparatus (SCBA)
- The purchase of heavy-duty rescue tools
- The remodeling of existing Fire Stations
- Current debt retirement
- The purchase of replacement computers

These purchases will result in providing required, up to date equipment and facilities to service the District's residents. These projects will endeavor to achieve the "best practices" as defined by National Fire Protection Association (NFPA) and the Insurance Service Office (ISO) standards.



**OSWEGO FIRE PROTECTION DISTRICT**  
**CAPITAL IMPROVEMENT PLAN**

<u>Project Name</u>	Fire Engines (3)
<u>Description of Project</u>	Replacement of a 1999 E-One engine, a 2006 Pierce engine as well as an additional engine for Station #5
<u>Justification</u>	<p>The Fire District has an apparatus replacement schedule that is consistent with the National Fire Protection Association (NFPA) standard 1901 annex D “Guidelines for front-line and reserve fire apparatus”. That standard recommends the replacement of front-line fire apparatus when it reaches its 15<sup>th</sup> year of operation. It also suggests that an apparatus at 15 years can be maintained as a reserve unit if it has had proper maintenance. It is generally recognized that fire apparatus will have sufficient wear and tear after 15 years of front-line service. It is also noted that at the threshold of 15 years, maintenance costs will begin to escalate, and the vehicle will fall behind in meeting the latest safety standards.</p>
<u>Start/End Date</u>	The purchase of the new apparatus will be during fiscal year 2022-23. Upon agreement to purchase, build out will take approximately 20 months.
<u>Funding Source</u>	Total Project cost is \$3,000,000. Funding will primarily come from annual Corporate Fund tax revenue as well as Fire Protection notes. There will be some cost offset by the trade-in or sale of one of the current reserve engines.



**OSWEGO FIRE PROTECTION DISTRICT**  
**CAPITAL IMPROVEMENT PLAN**

<u>Project Name</u>	Staff Cars (5)
<u>Description of Project</u>	<p>This project replaces 5 staff cars. All the cars being replaced will be 10 years or older at the time of replacement. The schedule is as follows:</p> <p>Replacement of 1999 Ford F250 Replacement of 2005 GMC Envoy Replacement of 2008 Ford Expedition Replacement of 2012 Ford Expedition Replacement of 2013 Ford Interceptor</p>
<u>Justification</u>	<p>The Fire District has adopted an apparatus/vehicle replacement plan that assigns a maximum useful life to front line apparatus and response vehicles. The practical useful life for staff cars is 7-10 years. All the vehicles scheduled for replacement will be 10 model years, or older, at the time of purchase.</p>
<u>Start/End Date</u>	<p>The staff car replacement will occur in budget year 2024-25.</p>
<u>Funding Source</u>	<p>Total Project cost is \$350,000. The primary source of funding for this project will come from current year revenues in the Corporate and Ambulance funds. There will be some cost offset by the trade-in or sale of some of the current staff cars.</p>



**OSWEGO FIRE PROTECTION DISTRICT**  
**CAPITAL IMPROVEMENT PLAN**

<u>Project Name</u>	Ambulances (6)
<u>Description of Project</u>	<p>This project is for the scheduled replacement of 2 ambulances, the re-chassis of 3 ambulances as well as the purchase of an additional ambulance for Station #5. The replacement of front-line ambulances on a 7-year plan schedule. The schedule for the next 5 years is as follows:</p> <p>Replacement of 2006 International Replacement of 2009 International Re-chassis of 2015 Ford Re-chassis of 2017 Ford (x2) Additional Ambulance for Station #5</p>
<u>Justification</u>	<p>The Fire District has adopted an apparatus/vehicle replacement plan that assigns a maximum useful life to front line apparatus and response vehicles. The practical useful life for ambulances is 7 years. Ambulances are subject to significant wear and tear due to the volume of calls they respond to annually. All the vehicles scheduled for replacement will be 7 model years or older at the time of purchase.</p>
<u>Start/End Date</u>	<p>The ambulance replacement schedule will begin in budget year 2023-24.</p>
<u>Funding Source</u>	<p>Total Project cost is \$1,650,000. Funds for this project will be from annual tax revenue received for the Ambulance Fund as well as future impact fees. There will be some cost offset by the trade-in or sale of some of the current ambulances.</p>



**OSWEGO FIRE PROTECTION DISTRICT**  
**CAPITAL IMPROVEMENT PLAN**

<u>Project Name</u>	Aerial Platform Truck
<u>Description of Project</u>	This project is for the purchase of an Aerial Platform Truck to serve as a response unit to all structure fires and special rescue calls.
<u>Justification</u>	The Fire District has a fire apparatus replacement schedule that is consistent with the National Fire Protection Association (NFPA) standard 1901 annex D “Guidelines for front-line and reserve fire apparatus”. That standard recommends replacement of front-line fire apparatus when it reaches its 15 <sup>th</sup> year of operation. It also suggests that an apparatus at 15 years can be maintained as a reserve unit if it has had proper maintenance. It is generally recognized that fire apparatus will have sufficient wear and tear after 15 years of front-line service. It is also noted that at the threshold of 15 years, maintenance costs will begin to escalate, and the vehicle will fall behind in meeting the latest safety standards.
<u>Start/End Date</u>	The Aerial replacement will occur in budget year 2024-25.
<u>Funding Source</u>	Total Project cost is \$2,000,000. Funding for this project will come from donations from “The GRID”, Fire Protection Notes and future impact fees. There will be some cost offset by the trade-in or sale of one of the current aerials.



**OSWEGO FIRE PROTECTION DISTRICT**  
**CAPITAL IMPROVEMENT PLAN**

<u>Project Name</u>	Rescue Tools
<u>Description of Project</u>	<p>This project is for the replacement of outdated extrication equipment carried on two OFPD apparatus.</p>
<u>Justification</u>	<p>New rescue tools will provide up to date equipment that replaces tools that can no longer meet the performance required for extrication on new car technology. Upon receipt of the new equipment, rescue tool distribution will be consolidated and placed on key response apparatus.</p>
<u>Start/End Date</u>	<p>The Rescue Tool replacement will occur in budget year 2024-25.</p>
<u>Funding Source</u>	<p>Total Project cost is \$80,000. Funds will come from tax revenue from the Corporate Fund as well as monies received through Fire Recovery billing. There will be some cost offset by the trade-in or sale of the current equipment.</p>



**OSWEGO FIRE PROTECTION DISTRICT**  
**CAPITAL IMPROVEMENT PLAN**

<u>Project Name</u>	Cardiac Monitor-Defibrillators
<u>Description of Project</u>	<p>The project involves the systematic replacement of outdated cardiac monitor defibrillators. The outdated models will be replaced with a Zoll X Series Monitor-defibrillator.</p>
<u>Justification</u>	<p>The new units will provide updated 12 lead monitoring capabilities with the additional features of CPR support, integrated Wi-Fi, noninvasive BP, multiple trace capability and pulse oximetry. These new and improved features will enhance the delivery of emergency medical treatment and increase the life-saving capabilities of our EMS responders.</p>
<u>Start/End Date</u>	<p>The Cardiac Monitor replacement will occur in budget year 2023-24.</p>
<u>Funding Source</u>	<p>Total Project cost is \$600,000. This project will be funded with a combination of capital reserve funds, future impact fees and Fire Protection Notes (loans). There will be some cost offset by the trade-in or sale of the current cardiac monitors.</p>





**OSWEGO FIRE PROTECTION DISTRICT**  
**CAPITAL IMPROVEMENT PLAN**

<u>Project Name</u>	New Fire Station
<u>Description of Project</u>	<p>As the Fire District continues to grow, it is anticipated that an additional satellite fire station will be needed to provide acceptable emergency response times to new and existing areas households and to new and existing commercial properties in developing areas.</p>
<u>Justification</u>	<p>The Fire District endeavors to meet response times that meet National Fire Protection Association (NFPA 1710) and Insurance Service Office (ISO) standards. Current mapping of the District’s response capabilities clearly show areas that are outside of the preferred four minute travel time for their initial response (NFPA 1710 standard). The strategic placement of a new fire station will have a positive impact on the timely delivery of emergency services to more of its current and future residents as well as to current and future commercial properties.</p> <p>The Future Residential Development Project for the Village of Oswego indicates that there are as many as 6,978 new residential structures in various stages of planning over the next several years. Areas of potential growth are spread over many areas of the Village, but a significant area of growth is indicated in the eastern area of the village. This area is one in which the response capabilities of the Fire District exceed the four (4) minute travel time from the nearest fire station. The building of a fire station in this vicinity will meet the response standards of NFPA 1710 and the Insurance Service Office (ISO) for new homes as well as existing homes in this area. This station, along with a response from the other stations within the District will deliver an “effective response force” (17 personnel) for a residential structure fire.</p>
<u>Start/End Date</u>	<p>Estimated budget year 2026-27 to begin construction.</p>
<u>Funding Source</u>	<p>The total cost of this project is estimated to be \$5 million. This project will be funded with a combination of capital reserve funds, future impact fees and Fire Protection Notes (loans).</p>



**OSWEGO FIRE PROTECTION DISTRICT**  
**CAPITAL IMPROVEMENT PLAN**

<u>Project Name</u>	Self Contained Breathing Apparatus (SCBA)
<u>Description of Project</u>	<p>This project includes the replacement of self-contained breathing apparatus (SCBA) and equipment used by the firefighters in toxic and dangerous environments. Included are SCBA packs, cylinders, masks, and air compressor/cascade units.</p>
<u>Justification</u>	<p>An integral part of a firefighters' personal protective equipment is their self-contained breathing apparatus (SCBA). This is required equipment to work in atmospheres that are immediate dangerous to life and health (IDLH). This project will replace older SCBA units that do not meet the most current National Fire Protection Association (NFPA 1981, NFPA 1852) and Occupational Health and Safety Administration (OSHA) standards.</p>
<u>Start/End Date</u>	<p>FY 2025-26</p>
<u>Funding Source</u>	<p>The total project cost is \$850,000. Funding will primarily come from annual Corporate Fund tax revenue.</p>



**OSWEGO FIRE PROTECTION DISTRICT**  
**CAPITAL IMPROVEMENT PLAN**

<u>Project Name</u>	Equipment for Station #5 Apparatus
<u>Description of Project</u>	This project includes the equipment required to outfit an additional engine and ambulance to the fleet. Items to include, but not limited to; hose, tools, monitors and medical supplies.
<u>Justification</u>	As additional apparatus is added to the fleet, it is necessary to purchase the equipment to outfit the apparatus.
<u>Start/End Date</u>	FY 2024-25
<u>Funding Source</u>	The total project cost is \$500,000 to be expended over a two-year period. Funding will primarily come from annual Corporate Fund tax revenue.



**OSWEGO FIRE PROTECTION DISTRICT**  
**CAPITAL IMPROVEMENT PLAN**

<u>Project Name</u>	Fire Station Remodels
<u>Description of Project</u>	<p>All four stations need repairs and updating. This ranges from the replacement of HVAC equipment that contains banned refrigerants, to the repairs from leaking roofs to the painting and kitchen remodels of stations that are up to 25 years old.</p>
<u>Justification</u>	<p>As our facilities continue to age, we must spend money to update and keep all systems functional.</p>
<u>Start/End Date</u>	<p>FY 2023-24</p>
<u>Funding Source</u>	<p>The total project cost is \$750,000 to be expended over a three-year period. This project will be funded with a combination of capital reserve funds, future impact fees and Fire Protection Notes (loans).</p>



**OSWEGO FIRE PROTECTION DISTRICT**  
**CAPITAL IMPROVEMENT PLAN**

<u>Project Name</u>	Computer Equipment
<u>Description of Project</u>	Replacement of office desktops as well as computer in the vehicles.
<u>Justification</u>	Much of our computer equipment is in critical need of replacement. In 2009 we received a grant from the State of Illinois that supplied all of our stations with computers, the time has come to replace these. In addition to the station computers, all staffed apparatus has mobile computers for communicating incident information with dispatch.
<u>Start/End Date</u>	FY 2023-24
<u>Funding Source</u>	The total project cost is \$200,000 to be expended over a three-year period. The primary source of funding for this project will come from revenues in the Corporate and Ambulance funds.



**OSWEGO FIRE PROTECTION DISTRICT**  
**CAPITAL IMPROVEMENT PLAN**

Project Name	FY 2023-24	FY 2024-25	FY 2025-26
Fire Engines	\$1,000,000	\$2,000,000	
Staff Cars		\$370,000	
Ambulance	\$650,000	\$1,400,000	
Aerial Platform		\$2,000,000	
Fire Station Remodel / Sta#1 Loan	\$2,500,000	\$200,000	\$200,000
Rescue tools		\$80,000	
Defibrillators (11)	\$600,000		
Computer Upgrades		\$200,000	
Fire Station #5			\$4,500,000
SCBA			\$800,000
Equipment for Engine & ambulance going to Station #5		\$500,000	
<b>Total by FY</b>	<b>\$4,750,000.00</b>	<b>\$6,750,000.00</b>	<b>\$5,500,000.00</b>