



Otisfield Fire Department

Capital Plan

Otisfield Fire Department - 2018



ISO Requirements

(Insurance Services Office)



- Current ISO Rating: 9/10
- Flow 250 Gallons Per Minute (GPM) uninterrupted for 2 hours
 - *30,000 gallons of water*
- Station Proximity
 - *Based on a station within five (5) miles of all residents*
 - *Frontline pumper in each station minimum 1000 GPM certified pump and 1000 gallons on wheel in each station*



Current Fleet



- Three Frontline Pumpers (One currently in each station)
 - *1996 F800 E-One*
 - *2004 Freightliner E-One*
 - *2007 Freightliner E-One*
- Tanker, 2007 International, 2600 Gallon
 - *ISO rating*
 - *Mutual aid*



Current Fleet



- Forestry, High Pressure, 1000 gallons
 - *2½ ton chassis, with 500 GPM portable forestry pump*
 - *Six-wheel drive for forestry attack and access to remote areas*
 - *Needed for water supply on dirt roads in spring*
 - *Transporting pumps, water and personnel to remote areas*
- UTV – 2015 Polaris 6X6
 - *Six-wheel drive for forestry attack and access to remote areas*
 - *Tracks for winter time use*
 - *Stokes basket for patient rescue from remote locations*



Current Fleet



- Squad 12000 GVW
 - *Extrication gear, air bag system, power tools, generators; heated rehab in winter months*
- Utility 1984 Ford F250, 2-wheel drive
 - *Capable of towing UTV in summertime months or on dry roads*
- First Response Rescue 2009 Chevrolet Suburban 2500
 - *Responds with PACE Paramedic Service to provide quicker response time to begin patient care*
 - *Capable of towing UTV where four-wheel drive is necessary*
 - *Command vehicle for better communication by Incident Command*



Capital Requirements



- Repeater System for improved communication
 - *Narrow Band Communications - Federal Mandate for 2011*
 - *Current repeater location in Norway is not reachable in all parts of our community*
- Utility Vehicle
 - *Four-wheel drive, crew cab vehicle for access to remote areas and winter time use*
- Medium Duty Rescue
 - *Current squad cannot support equipment (overloaded)*
- Forestry Unit
 - *Replacement of current aging unit*
- Frontline Pumper Specification
 - *1000 gallons for ISO and water supply requirements*
 - *1250 GPM pump for 15' vertical draft*



Twenty-Four Year Plan



- NFPA Guidelines require apparatus replacement every fifteen (15) years or “AHJ”
- Does not relate well to rural departments
- Identifies replacement plan for all department vehicles
- Specific twenty-four (24) year replacement plan is for frontline engines and capital equipment
 - *Based on parts obsolescence approximately between 21 to 25 years on apparatus*



Future Plan



- Review of ISO plan
- Two (2) Frontline Pumpers
- On (1) Urban Wildland Interface Unit, Initial Attack
 - *Able to reach remote locations in town*
 - *Use varies upon need/purpose*
- Medium duty squad
 - *Heated Rehab, additional extrication gear, greater GVW*
- Forestry/Brush Truck
 - *High pressure forestry unit for remote access, inclement weather and environment conditions.*



Cost Breakdown



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FY	SCBA	Engine 1	Engine 2	Engine 3	Squad	Tanker	Forestry	Utility	Rescue	Annual Capital
2011			23,000	19,000						42,000
2012	12,500		23,000	19,000						54,500
2013	12,500		23,000			16,000				51,500
2014	12,500		23,000			16,000				51,500
2015	12,500		23,000			16,000				51,500
2016			23,000			16,000				39,000
2017			23,000			16,000			25,000	64,000
2018						16,000				16,000
2019						16,000		25,000		41,000
2020						16,000				16,000
2021						16,000				16,000
2022					25,000	16,000				41,000
2023					25,000					25,000
2024					25,000					25,000
2025					25,000					25,000
2026				30,000	25,000					55,000
2027	16,000			30,000	25,000					71,000
2028	16,000			30,000						46,000
2029	16,000			30,000						46,000
2030	16,000			30,000			25,000			71,000
2031			35,000	30,000			25,000			90,000
2032			35,000	30,000			25,000			90,000
2033			35,000	30,000			25,000			90,000
2034			35,000	30,000			25,000			90,000
2035			35,000	30,000						65,000
2036		35,000	35,000							70,000
2037		35,000	35,000							70,000
2038		35,000	35,000						45,000	115,000
2039		35,000	35,000							70,000
2040		35,000	35,000							70,000
2041		35,000								35,000
2042		35,000								35,000
Total										1,738,000

Engine Replacement set at approximately 24 years (NFPA every 15 years) and figures do not calculate for inflation. Updated June 2018

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