



Otisfield Fire Department

Capital Plan

Otisfield Fire Department - 2017



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 F250
 - *Shuttle vehicle for forest fire response*
 - *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*
- HAZMAT Medium Duty Rescue
 - *Squad and Utility Vehicle can not support HAZMAT equipment (Overloaded)*
 - *Storing equipment in station*
- 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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	SCBA	Tanker	Engine 1	Engine 3	Engine 2	Rescue	Squad	Forestry	Annual Capital
2011				19,000.00	23,000.00				42,000.00
2012	12,500.00			19,000.00	23,000.00				54,500.00
2013	12,500.00	16,000.00			23,000.00				51,500.00
2014	12,500.00	16,000.00			23,000.00				51,500.00
2015	12,500.00	16,000.00			23,000.00				51,500.00
2016		16,000.00			23,000.00				39,000.00
2017		16,000.00			23,000.00	25,000.00			64,000.00
2018		16,000.00							16,000.00
2019		16,000.00							16,000.00
2020		16,000.00	25,000.00						41,000.00
2021		16,000.00	25,000.00						41,000.00
2022		16,000.00	25,000.00						41,000.00
2023			25,000.00					25,000.00	50,000.00
2024			25,000.00					25,000.00	50,000.00
2025			25,000.00					25,000.00	50,000.00
2026			25,000.00	30,000.00				25,000.00	80,000.00
2027	16,000.00		25,000.00	30,000.00				25,000.00	96,000.00
2028	16,000.00		25,000.00	30,000.00					71,000.00
2029	16,000.00		25,000.00	30,000.00					71,000.00
2030	16,000.00			30,000.00			25,000.00		71,000.00
2031				30,000.00	35,000.00		25,000.00		90,000.00
2032				30,000.00	35,000.00		25,000.00		90,000.00
2033				30,000.00	35,000.00		25,000.00		90,000.00
2034				30,000.00	35,000.00		25,000.00		90,000.00
2035				30,000.00	35,000.00		25,000.00		90,000.00
2036					35,000.00				35,000.00
2037					35,000.00				35,000.00
2038					35,000.00	45,000.00			80,000.00
2039					35,000.00				35,000.00
2040					35,000.00				35,000.00
2041									0.00
Total									1,718,000.00

Engine Replacement set at approximately 24 years (NFPA every 15 years) and figures do not calculate for inflation. Updated January 2017

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