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Big Water  
Rigs



Jaffrey FD 16-Hose-1  
Hose Reel/Water Supply Pumper  
Jaffrey, New Hampshire

# Facts and Figures...

- 16-Hose-1 is a specialized water supply unit operated by the Jaffrey Fire Department located in Cheshire County, New Hampshire.
- The unit is built on a 1989 International 4600 Ranger chassis with 4x4 capability. The body was fabricated by American Modular and installed by Ranger.
- The the reel pumper is equipped with a 1,000 gpm Godiva front mount pump and carries no water.
- The pump discharge manifold was fabricated and installed by the Jaffrey FD.
- The truck carries 3,200 feet of 4-inch hose on a single reel, which was fabricated and installed by the Jaffrey Fire Protection Company.

# Facts and Figures...

- The hose reel is powered by a hydraulic system. The current hydraulic system is the third generation system for this truck. The original hydraulic system was powered off of the fire pump drive shaft.
- The current hose reel hydraulic system was designed and installed by Jaffrey FD and uses a belt-driven hydraulic pump with an electric clutch.
- The folks at Jaffrey FD are currently installing an automatic air primer on the truck with the intention of keeping the original electric primer as a back-up.
- 16-Hose-1 also carries a variety of appliances and devices needed to support various water supply operations throughout the region and is one of several hose reel trucks operated by fire departments in the Monadnock Area of New Hampshire.

# Jaffrey 16-Hose-1



The Jaffrey hose reel pumper is a versatile unit that can be used in a variety of water supply scenarios.

# Jaffrey 16-Hose-1



The front mount pump allows for easy access to static water sources. The manifold on the 1,000 gpm pump was fabricated and installed by the folks at the Jaffrey FD.

# Jaffrey 16-Hose-1



Much like other hose reel pumpers in the Monadnock Area, Jaffrey's short wheel based is perfect for negotiating the narrow and winding roads in their response area.

# Jaffrey 16-Hose-1



3,200-feet of 4-inch LDH is carried on a single hose reel. The reel is powered by a hydraulic system that is equipped with an electric clutch to control reel speed and motion.

# Jaffrey 16-Hose-1



An LDH manifold and a Jaffrey Z-valve (in-line relay valve) are stored in readily accessible locations. The relay valve is important when trying to support large flows over long distances.



# Jaffrey 16-Hose-1



With a front mount pump, the reel truck can nose right up to the water's edge, thus minimizing lift. The rig's 4WD capability allows for easy exit as well.

# Jaffrey 16-Hose-1



The crew from 16-Hose-1 operates a tanker fill site during this May 2013 water supply drill in nearby Rindge, New Hampshire. They were able to fill tankers at over 1,000 gpm using the reel pumper and 4-inch LDH.



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*For more information contact us at  
**[thebigcamel@gotbigwater.com](mailto:thebigcamel@gotbigwater.com)***