Building: Pump Stations
262 & 476 Sunapee St.
Newport, New Hampshire

Condition	
1	Fully operational, new, recently replaced
2	Fully operational, 0-25% of life expectancy used, no issues, no concerns,
3	Fully operational, 25-50% life expectancy used, periodic problems
4	Operational, 50-75% life expectancy used, occasional problems, frequent repairs needed
5	Operational only with constant attention, 100% life expectancy used, failure imminent

Priority is scaled 1-10 with 1 being urgent

Architectural

Equipment	Condition	Est. Remaining Service Life	Priority	Cost Estimate	Remarks & Recommendations	Photos	
					476 Sunapee Pump Station		

	equipment	condition	Est remaining Service life	priority	cost	remarks &recommendations		
						262 Sunapee Pump Station		

Structural

262 Sunapee:
This installation is comprised of a below-grade concrete well, three access manholes, a generator and assorted other electrical equipment, all contained within a chain link fence enclosure, which in turn is contained within a wood stockade fence enclosure. The manholes are of concrete masonry block construction. The generator is supported on steel dunnage, mounted to a concrete housekeeping pad. The installation also includes an old oil tank and a length of corrugated pipe. The pipe section is used as a container for on-site storage of tools. Both the oil tank and the corrugated pipe are supported on concrete masonry blocks bearing directly on grade. There is no enclosed building at this site.

Structural issues:
Man Holes - Minor cracking and spalling of the concrete manhole covers was noted, particularly around the access hatches. Several previous attempts to address this condition are in evidence, but the condition persists.

Oil Tank foundation - The oil tank is presently out of service. The concrete block foundation is inadequate – this tank installation should be removed if it is no longer required.

476 Sunapee:
This installation consists of a water pump installed in a precast concrete case, with an adjacent valve chamber (also of precast construction) a pad mounted generator and fence mounted electrical gear, all contained within a chain link enclosure. There is no building structure, and there were no structural deficiencies of note.

Equipment	Condition	Est. Remaining Service Life	Priority	Cost Estimate			

	equipment	condition	Est remaining Service life	priority	cost	remarks &recommendations		

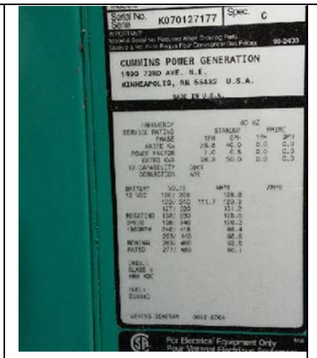
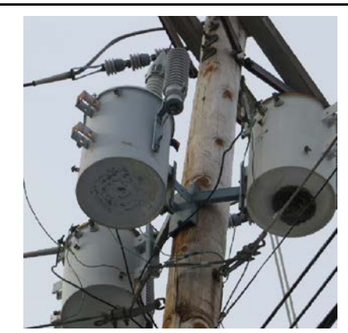
Mechanical

Equipment	Condition	Est. Remaining Service Life	Priority	Cost Estimate			
900, 275 Gallon diesel fuel tank (262 Pump Station)	4 Operational, 50-75% life expectancy used, occasional problems, frequent repairs needed	2 to 5 Years	4	$1,500	Supplies diesel fuel for generator. Tank is mounted on cement blocks that are stacked up two high. Tank is in need of exterior painting. Tank has no containment method in place.		

Electrical

Equipment	Condition	Est. Remaining Service Life	Priority	Cost Estimate	Remarks & Recommendations		
259,Three 25 KVA pole mounted Transformers. (476 Pump Station)	2 Fully operational, 0-25% life expectancy used, no issues, no concerns	15 Years	10		Provides power through overhead service to pole within Pump Station grounds. Maintained by power supplier.		

	equipment	condition	Est remaining Service life	priority	cost	remarks &recommendations		
	258,Electrical Meter (476 Pump Station)	2 Fully operational, 0-25% life expectancy used, no issues, no concerns	15 Years	10		Maintained by power supplier.		
	257,Panelboard L 120/240v single phase panelboard (476 Pump Station)	2 Fully operational, 0-25% life expectancy used, no issues, no concerns	15 Years	10	$3,000	Located inside of an enclosure.		

	equipment	condition	Est remaining Service life	priority	cost	remarks &recommendations		
	255,40 KW diesel generator pad mounted Make: Cummins Model #DGND5938549 (476 Pump Station) Install date unknown.	3 Fully operational, 25-50% life expectancy used, periodic problems	10 Years	10	$24,000			
	578,Main disconnect and generator transfer switch (262 Pump Station)	3 Fully operational, 25-50% life expectancy used, periodic problems	10 Years	10	$3,000			
	577,Three - 15 KVA pole mounted transformers (262 Pump Station)	2 Fully operational, 0-25% life expectancy used, no issues, no concerns	15 Years	10		Provides power through overhead service. Maintained by power supplier.		

	equipment	condition	Est remaining Service life	priority	cost	remarks &recommendations		
	576,75 KW diesel generator pad mounted MAKE: Consolidated Power Model: 75D8T (262 Pump Station)	2 Fully operational, 0-25% life expectancy used, no issues, no concerns	15 Years	10	$50,000	Unknown date of install.		

Site

262 Sunapee: Is a gravel road that appears adequate for the use.

476 Sunapee: There is an existing paved access from Whipple Road that leads to the pump station. Pavement appears in relatively good condition with no obvious deficiencies visually noted.

Equipment	Condition	Est. Remaining Service Life	Priority	Cost Estimate	Remarks & Recommendations	Photos	
476	1	15	10		There is an existing paved access from Whipple Road that leads to the pump station. Pavement appears in relatively good condition with no obvious deficiencies visually noted.		
262	1	15	10		Is a gravel road that appears adequate for the use. Occasionally grade and add gravel.		