

LRW Co Renovations from 1/1/09 to present		Year completed
Paradise Shores		
Pump House	More advanced telemetry has been added and continues to expand its capabilities as technology becomes available. It currently monitors flow rates, pump house temperature and the height of water in the 300,000 gallon storage tank. It is capable of notifying water operators via text or email and is also accessible from a cell phone or computer.	2010
	The Lower Pump house was constructed in the 80's. In 2011 it was renovated to increase heating efficiency and provide a more appropriate location for telemetry.	2011
	A new state of the art Magnetic style master meter has been added to the system to assist in data collection, monitoring and provide better control of water loss.	2011
Water Main	An entire street in the Paradise Shores water system consisting of undersized 1 1/4 Poly pipe was replaced with new 2 inch PVC water main.	2009
Source	A new well source (Mt Roberts) is in the process of being added to the system to increase production volumes.	2012
Pumps	PS does not have any booster pumps as it is a gravity system.	
	The well pumps in PS have been replaced in 2008, 2010, and 2012 respectively.	2010
Mapping	Maps of the water system is currently available but a more complete and accurate map is expected to be finalized by 3/31/12	2012
Water Use	Water use in the PS system varies due to weather during the summer months. A water conservation plan has been established for the PS system.	2012
	Lost water is monitored quarterly through a water audit.	2012
Electricity Efficiency	The new proposed (mt Roberts) well source will utilize 3 phase VFD pumps which will reduce electricity consumption in comparison to conventional pumping methods.	2012
MISC	With the assistance of NHDES the Orthophosphate injection has been removed as it was deemed unnecessary for corrosion control.	2009
Far Echo		
Pump House		
Water Main	Crest Lane water main was replaced in the summer of 2011 with new 2 inch water main. The existing 1 inch water main was found to be buried at substandard depths and undersized for the 6 customers it supplied.	2011
Source	MPA has been conducted with NHDES assistance and proved the water in the current dug well source not influenced by surface water.	2009
Pumps	A new booster pump has been installed	2010
Mapping	Detailed and accurate maps have been completed for this system.	2011
MISC	Corrosion control has been optimized.	2011
West Point		
Pump House	The lower pump house has had an overhaul to remove any unnecessary treatment equipment.	2009
	Telemetry has been added to the water system to assist in water use monitoring, potential leakage and pump house temperature.	2011
	The upper pump house has been renovated to improve lighting, ventilation and heating efficiency.	2012
Source	Brw 2 has been reintroduced to the water system after it was re-drilled due to a wall collapse that had occurred 20+ years ago. The additional source has proved to be very successful.	2011
Pumps	All 3 wells have had new pump installed in 2010	2010
Mapping	Maps have been updated and are available.	2012

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White Mountain Gateway		
Pump House	New electrical controls were installed in 2008	2009
	The consolidation of 2 pump houses to 1 was completed in 2008	2009
Water Main	A new storage tank offset line has been installed to accommodate the larger booster pump capacities.	2009
Pumps	A new well pump was installed in 2009.	2009
	4 new booster pumps have been installed to provide adequate pressure and supply to the 2 separate pressure zones and also add redundancy.	2009
Mapping	Accurate maps are complete and as-built have been submitted to NHDES.	2012
Water Use	Water use is tracked closely and water audits are conducted yearly.	2012
Hidden Valley		
Pump House	The upper pump house has been re-plumbed and new electrical controls have been added.	2009
Water Main	New Gate valves have been installed to assist in system operation!	2010
Pumps	The booster pumps in HV were replaced in 2010.	2010
Mapping	Accurate and update maps are complete.	2012
Water Use	A significant reduction has been documented in water loss throughout the water system	2012
MISC	Service in this system has drastically improved since 2008.	2012
Wentworth Cove		
Water Main	400 feet of additional 2 inch PVC water main has been added to the water system to accommodate new customers.	2010
Source	A new well pump was installed in 2010.	2010
Pumps	2 booster pumps were replaced 2010.	2010
	1 additional booster pump has been added to add additional flow while implementing a water main flushing.	2011
Mapping	Accurate and detailed maps are complete.	2011
MISC	Orthophosphate system was evaluated with assistance from NHDES and deemed unnecessary for this water system. It has been removed since 2009	2009
Pendleton Cove		
Pump House	A new secure entry door has been added.	2011
Water Main	3 additional gate valves have been added to the system.	2010
Pumps	A booster was replaced in 2011.	2011
Mapping	Detailed and accurate maps are complete.	2011
Deer Run		
Pump House	Insulation and new shingles have been added.	2009
Pumps	Booster pumps were replaced in 2011	2011
Mapping	Maps are currently being completed for this system.	2012
Water Use	Lost water has been significantly reduced through leak detection.	2012
Woodland Grove		
Pump House	A complete renovation of the pump house is currently under construction. Completion is expected by 3/31/12.	2012
	New electrical controls have been added to the pump house.	2012
	New Telemetry has been added to monitor flow, pressure, tank height and pump house temperature.	2012
	New state of the art Magnetic meter has been added.	2012

	Bulkhead access has been added to alleviate confined space issues.	2012
Pumps	New 3 phase VFD booster pumps have been added.	2012
	New 3 phase well pump has been added.	2012
Water Use	Leak detection program has reduced water consumption.	2011
Electricity Efficiency	The new 3 phase VFD components should prove to reduce water loss along with a reduction in electric consumption.	2012
MISC	New Georgia Marble ph treatment is installed.	2012
Echo Lake Woods		
Pumps	1 replaced booster pump	2011
Mapping	maps are currently being completed	2012
Water Use	leak detection efforts have shown to reduce lost water	2011
Electricity Efficiency	Electric consumption has been significantly reduced.	2011
Brake Hill		
Pump House	A complete replacement of the pump house was completed in 2010	2010
	The driveway has been redesigned and reconstructed to allow for better access to the pump station	2010
	All new electrical controls have been installed.	2010
Water Main	The Pressure Reducing Valve was replaced in 2009.	2009
Pumps	New 3 phase VFD constant pressure pumps were installed in 2010	2010
Mapping	Mapping is being in process.	2012
Water Use	lost water has reduced significantly since 2010.	2010
Electricity Efficiency	electricity consumption is significantly decreased since 2010	2010
Gunstock Glen		
Pump House	A complete renovation of the pump house was conducted in 2009.	2009
	New electrical controls were added during the renovation	2009
	Telemetry was added to the station to monitor pressure and pump house temperature.	2009
Water Main	New control valves have been added to better isolate areas of the system during leak repairs.	2011
Pumps	The well pump was replaced in 2010.	2010
Mapping	Maps are complete and accurate.	
Water Use	Lost water has been significantly reduced since 2010.	2010
Electricity Efficiency	The VFD pumps have proven to be effective in decreasing electric consumption.	2010
Tamworth Water		
Pump House	Complete controls and plumbing were installed.	2010
Water Main	All the water mains were installed in 2000.	2000
Source	A new water source is currently under investigation.	2012
Pumps	The well pump was replaced in 2011.	2011
Mapping	Maps are available.	2011
Water Use	Lost water has been decreased since 2010	2010
175 Estates		
Pump House	A complete replacement pump house was installed in 2009.	2009
	All new controls were installed at the same time.	2009
Water Main	800 feet of trunk main was replaced in 2009. Blasting and repaving were required.	2009

Pumps	Both booster pumps were replaced in 2011	2011
Mapping	Maps are accurate and correct	2011
MISC	Iron removal was installed in 2009	
Deer Cove		
Pump House	Replaced insulation with new foil backed insulation and large grid screen to assist in heating efficiency	2009
Water Main	installed RPZ in irrigation line	2009
Pumps	booster pump was replaced in 2011	2011
Mapping	mapping is in process	2012
MISC	Corrosion control system has been optimized	2012
Lake Ossipee Village (LOV)		
Pump House	3 pump houses have been consolidated into 2 as of 2010	2010
	Pump house 1's ceiling was replaced with new insulation and plywood was added to increase integrity in 2011	2011
Water Main	Valves have been added to the distribution system for better isolation.	2011
Pumps	All three well pumps have been replaced in 2010 or 2011 respectively	2010 and 2011
Mapping	Mapping is in process	2012
Water Use	water use has significantly decreased since 2009 due to an aggressive leak detection program	2009
Electricity Efficiency	power consumption has decreased due to reduction in water loss	2012
MISC	A new Corrosion Control method has been added and proved to be successful	2010
Indian Mound		
Pump House	Planned for 2012 is an entire new pump house, electric, well source, treatment, telemetry and pumping equipment!	
Water Main		
Source		
Pumps		
Mapping		
Water Use		
Electricity Efficiency		
MISC		