

**Appendix J**  
**5-Year Capital Improvement Projects List**

## Washoe County Department of Water Resources - 2011-2015 Capital Improvements Program

R&R Water Construction - 664151		Fund	2011	2012	2013	2014	2015
All	Utility System Water Asset Management Program		\$ 100,000	\$ 100,000	\$ 25,000	\$ 25,000	\$ 25,000
All	Utility System SCADA Upgrades		\$ 100,000	\$ 100,000	\$ 90,000	\$ 90,000	\$ 90,000
All	Utility System Water Storage Tank Overflow		\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
All	Utility System Water Level Transducers Upgrades		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
	<b>Total Non-Capital R&amp;R Projects</b>		<b>\$ 310,000</b>	<b>\$ 310,000</b>	<b>\$ 225,000</b>	<b>\$ 225,000</b>	<b>\$ 225,000</b>
All	Utility System Water Well/Tank Drainage Improvements		\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
All	Utility System Production Well Rehabilitation Program (additional funds added)		\$ 200,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
ALL	MXU installs All areas - (Flex Net System)		\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
North Valley	Lemmon Valley System Improvements - Pompe/Albert Way/Deli Street/Dojack/Casey St. Main replacements		\$ 258,000	\$ -	\$ -	\$ -	\$ -
Spanish Springs	Canoe Hill Supply Improvements(Spring Creek trans main Ph II PRV R&R with motor control valves)		\$ 86,400	\$ -	\$ -	\$ -	\$ -
Spanish Springs	Spring Creek Tank #3 & #4 Supply Improvements		\$ 133,200	\$ -	\$ -	\$ -	\$ -
Spanish Springs	Spring Creek Well #2 Supply Improvements		\$ 127,920	\$ -	\$ -	\$ -	\$ -
STM	Bella Vista Intertie Controls and Hidden Valley/Double Diamond Tank Altitude Valves		\$ 96,000	\$ -	\$ -	\$ -	\$ -
STM	Booster Pump Station at MT. Rose Well #3		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Hidden Valley Water - Well No. 4 Rehabilitation		\$ 300,000	\$ -	\$ -	\$ -	\$ -
STM	Secondary Supply for Old Washoe		\$ 187,200	\$ -	\$ -	\$ -	\$ -
STM	Secondary Supply for Sunrise Estates		\$ 165,600	\$ -	\$ -	\$ -	\$ -
All	Utility System Meter Replacement/Upgrade		\$ -	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
All	Utility System Tank Rehab Program		\$ -	\$ -	\$ 80,000	\$ 80,000	\$ 80,000
All	Utility System Water Valve Replacement		\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
North Valley	Lemmon Valley - Tanks #1 and #2 Rehab		\$ -	\$ 421,200	\$ -	\$ -	\$ -
North Valley	Lemmon Valley System Improvements - Surge Street 6" watermain Replacement.		\$ -	\$ -	\$ -	\$ -	\$ -
North Valley	Lemmon Valley Well #6 - Rehabilitation		\$ -	\$ -	\$ -	\$ -	\$ -
North Valley	Lemmon Valley Well #7 Replacement (Re-drill only)		\$ -	\$ -	\$ -	\$ 400,000	\$ -
North Valley	Lemmon Valley Well #8 Replacement (Re-drill and Equip)		\$ -	\$ -	\$ -	\$ -	\$ -
North Valley	Lemmon Valley Well #9 - Power Improvements		\$ -	\$ -	\$ -	\$ -	\$ -
Spanish Springs	Decommission Delores Tank and Pressure Zone Improvements		\$ -	\$ -	\$ 549,600	\$ -	\$ -
Spanish Springs	Spanish Springs Water - Desert Springs Zone Water Main Rehab Phase 2A and 2B		\$ -	\$ -	\$ -	\$ -	\$ -
Spanish Springs	Spring Creek Well #4 Recharge		\$ -	\$ 132,000	\$ -	\$ -	\$ -
STM	Arrow Creek Well #5 Well Equipping and Blending Line		\$ -	\$ -	\$ -	\$ -	\$ -
STM	E. Hidden Valley Dr - Waterline Replacement		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Galena Creek Crossing Transmission Main		\$ -	\$ 300,000	\$ -	\$ -	\$ -
STM	Hidden Valley Water - Piping Rock Dr Waterline Replacement		\$ -	\$ -	\$ -	\$ 500,000	\$ -
STM	Mt. Rose Water - Big Pine Dr Waterline Replacement		\$ -	\$ -	\$ -	\$ 100,000	\$ -
STM	Pebble Creek/Tamarisk/Piping Rock - Waterline Replacement		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Relocation of Water Service - Hidden Valley		\$ -	\$ -	\$ 240,000	\$ -	\$ -
STM	Thomas Creek Well Replacement/ Redrill		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Thomas Creek Well Equipping		\$ -	\$ -	\$ -	\$ -	\$ -
Verdi	River Oaks Water System R&R - Design & Design	USDA Loan	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Capital R&amp;R Projects</b>		<b>\$ 1,754,320</b>	<b>\$ 1,353,200</b>	<b>\$ 1,369,600</b>	<b>\$ 1,580,000</b>	<b>\$ 580,000</b>
<b>R&amp;R Sewer Construction-664950</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
North Valley	Lemmon Valley Limnol Sewer Rehabilitation		\$ 150,000	\$ -	\$ -	\$ -	\$ -
North Valley	Lemmon Valley Wastewater TP Improvements		\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
All	Effluent Management Program		\$ 100,000	\$ 250,000	\$ -	\$ -	\$ -
	<b>Total Non-Capital R&amp;R Projects</b>		<b>\$ 400,000</b>	<b>\$ 400,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>	<b>\$ 150,000</b>
All	Sewer Lift Station Rehabilitation- Corrosion		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Spanish Springs	Desert Springs Monitor Well Const. GRANT	45% Grant Match	\$ 22,500	\$ -	\$ -	\$ -	\$ -
STM	Steamboat Interceptor Inflow & Infiltration		\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
STM	STMWRF Improvements Project-Design & Construction		\$ 3,750,000	\$ 7,820,000	\$ 3,325,000	\$ 4,280,000	\$ 740,000
Sun Valley	SVGID Cured in place reimbursement		\$ 344,000	\$ -	\$ -	\$ -	\$ -
STM	Amid Filtration System (WAS/RAS)		\$ 13,000	\$ -	\$ -	\$ -	\$ -
STM	Dodge Gear Reducer (Influent Pump)		\$ 14,000	\$ -	\$ -	\$ -	\$ -
STM	Steamboat Creek Pump Station Retrofit (Level Controls, Plug Valves, etc.)		\$ 20,000	\$ -	\$ -	\$ -	\$ -
STM	STMWRF Security Gate		\$ 15,000	\$ -	\$ -	\$ -	\$ -
STM	STMWRF Security Camera System		\$ 30,000	\$ -	\$ -	\$ -	\$ -
All	Flow-Dar Sewer Flow Measurement (3)		\$ 30,000	\$ -	\$ -	\$ -	\$ -
All	Image Server for Sewer Asset Management Program		\$ 11,000	\$ -	\$ -	\$ -	\$ -
North Valley	Horizon Hills Sewer System Improvements		\$ -	\$ -	\$ -	\$ 225,000	\$ 225,000
Verdi	River Oaks Sanitary Sewer Collection System R&R - Design & Construction	USDA Loan	\$ -	\$ 3,387,900	\$ -	\$ -	\$ -
	<b>Total Capital R&amp;R Projects</b>		<b>\$ 4,399,500</b>	<b>\$ 11,357,900</b>	<b>\$ 3,475,000</b>	<b>\$ 4,655,000</b>	<b>\$ 1,115,000</b>
Spanish Springs	Desert Springs Monitor Well Const. GRANT	55% EPA Grant	\$ 27,500	\$ -	\$ -	\$ -	\$ -
	<b>Total Grant Funded Projects</b>		<b>\$ 27,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>R&amp;R Reclaim Construction-664500</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
All	Field Creek Pump Station Rehab		\$ -	\$ -	\$ -	\$ 125,000	\$ 125,000
All	Reclaim - Asset Management Program		\$ -	\$ 50,000	\$ 50,000	\$ -	\$ -
STM	Field Creek Reservoir Disinfection System		\$ -	\$ 150,000	\$ -	\$ -	\$ -
STM	Huffaker Hills Reservoir Water Quality Management Improvements		\$ 200,000	\$ -	\$ -	\$ -	\$ -
	<b>Total Capital R&amp;R Projects</b>		<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 50,000</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>

South Truckee Meadows New Water Construction-668100		Fund	2011	2012	2013	2014	2015
STM	Hidden Valley Water - LLWTP 4 MGD Improvement		\$ 200,000	\$ -	\$ -	\$ -	\$ -
STM	Water - Creek Exchange Diversion Structures		\$ 100,000	\$ -	\$ -	\$ -	\$ -
STM	Water Storage - Zone 11 Water Storage Tank		\$ 2,800,000	\$ -	\$ -	\$ -	\$ -
STM	Water Storage - Zone 11 Transmisison Main - Caramella Ranch Segment		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Water Supply - Secondary Well No. 1 Equipping		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Hidden Valley Water - LLWTP 6 MGD Improvement		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Hidden Valley Water - Well No. 6		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Mt. Rose Water - Abbies Rd Waterline Extension		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Mt. Rose Water - Bonnie Lane Waterline Extension		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Mt. Rose Water - GW Well No. 7 (Drill and Equip)		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Mt. Rose Water - Snow flower Rd Waterline Extension		\$ -	\$ -	\$ -	\$ -	\$ -
STM	STM Double R Booster Pump Station Expansion		\$ -	\$ 230,000	\$ -	\$ -	\$ -
STM	STM Water Supply - Secondary Well No. 2		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Thomas Creek Water - Storage Tank No. 2		\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Capital Projects</b>		<b>\$ 3,100,000</b>	<b>\$ 230,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
STM	Water Storage - Zone 11 Transmisison Main - Damonte Parkway	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
STM	Mt. Rose Water - Callamont Booster Pump Station	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
STM	Mt. Rose Water - Callamont North Groundwater Well (Equip)	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
STM	Mt. Rose Water - Callamont South Groundwater Well (Equip)	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
STM	Mt. Rose Water - Callamont Water Storage Tank	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
STM	St. James Water - Groundwater Well No. 3	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
STM	St. James Water - Groundwater Well No. 4	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
STM	St. James Water - Well No. 3 Transmission Main	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
STM	St. James Water - Well No. 4 Transmission Main	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
STM	STM Damonte Ranch Parkway Transmission Main	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
STM	STM Water Storage - Zone 13 Water Storage Tank	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Developer Funded Projects</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Spanish Springs New Water Construction-668200		Fund	2011	2012	2013	2014	2015
Spanish Springs	North Pyramid Hwy Transmission Main		\$ -	\$ -	\$ -	\$ -	\$ -
Spanish Springs	Desert Springs 3B Water Storage Tank		\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Capital Projects</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Spanish Springs	Broken Hills Booster Pump Station	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
Spanish Springs	Broken Hills Transmission Main	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
Spanish Springs	Broken Hills Water Storage Tank	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Developer Funded Projects</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
General New Water Construction-668000		Fund	2011	2012	2013	2014	2015
North Valley	Lemmon Valley - Heppner Onsite Construction - Phase 2		\$ 130,000	\$ -	\$ -	\$ -	\$ -
	<b>Total Non-Capital Projects</b>		<b>\$ 130,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
ALL	Waterline Extension Program		\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
North Valley	Lemmon Valley Water - System Imprvmts Heppner Phase 7	25% match	\$ 125,000				
North Valley	Lemmon Valley - W LV & Cold Springs Transmission & Storage	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
North Valley	Lemmon Valley Water - Medium Pressure Main - Phase 3	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
North Valley	Lemmon Valley Water - Medium Pressure Main - Phase 4a	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
North Valley	Lemmon Valley Water - Medium Pressure Main - Phase 4b	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
Stampmill	Stampmill Water System Upgrade	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
Truckee Canyon	Truckee Canyon Water System	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
Winnemucca Ranch	Winnemucca Ranch Spring Development	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
North Valley	Lemmon Valley Water - Transmission Main		\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Developer Funded Projects</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
South Truckee Meadows New Sewer Construction-668600		Fund	2011	2012	2013	2014	2015
STM	Pleasant Valley Interceptor Reach 4 - Land Acquisition		\$ 150,000	\$ -	\$ -	\$ -	\$ -
	<b>Total Capital Projects</b>		<b>\$ 900,000</b>	<b>\$ 200,000</b>	<b>\$ 1,200,000</b>	<b>\$ -</b>	<b>\$ -</b>
STM	Pleasant Valley Interceptor Reach 4 - Construction	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
STM	Pleasant Valley Interceptor Reach 3B -Construction		\$ -	\$ -	\$ -	\$ -	\$ -
STM	Pleasant Valley Interceptor Reach 3C -Construction		\$ -	\$ -	\$ -	\$ -	\$ -
STM	STMWRF 6.0 MGD Expansion Project with Solids -Design & Construction		\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Developer Funded Projects</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Spanish Springs New Sewer Construction-668700		Fund	2011	2012	2013	2014	2015
Spanish Springs	Phased Sewering Project Phase 1B - (SAD/SRF Loan)	Match (25%)	\$ 987,500	\$ -	\$ -	\$ -	\$ -
	<b>Total Capital Projects</b>		<b>\$ 987,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Spanish Springs	Phased Sewering Project Phase 1B	Grant (75%)	\$ 2,962,500	\$ -	\$ -	\$ -	\$ -
Spanish Springs	Phased Sewering Project Phase 2A	Grant	\$ -	\$ -	\$ -	\$ -	\$ -
Spanish Springs	Phased Sewering Project Phase 2B	Grant	\$ -	\$ -	\$ -	\$ -	\$ -
Spanish Springs	Phased Sewering Project Phase 3	Grant	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Grant Funded Projects</b>		<b>\$ 2,962,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Cold Springs New Sewer Construction-668800		Fund	2011	2012	2013	2014	2015
North Valley	Cold Springs Collection System (Existing homes)		\$ -	\$ -	\$ -	\$ -	\$ -
North Valley	Cold Springs WRF Expansion - Facility Plan		\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -
	<b>Total Capital Projects</b>		<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
North Valley	Cold Springs WRF Expansion - Design and Construction	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Developer Funded Projects</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Warm Springs	Warm Springs Wastewater Treatment Facility	Developer	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Developer Funded Projects</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
New Reclaim Construction-668400		Fund	2011	2012	2013	2014	2015
STM	Reclaimed Water Transmission Main Extensions	Developer	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ 200,000
STM	Huffaker Hills Reservoir Capacity Expansion (Funded by Grant)	Grant	\$ -	\$ -	\$ -	\$ -	\$ -
STM	Huffaker Hills Reservoir Capacity Expansion (Grant Match - FY 2011 & 2012)		\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Developer Funded Projects</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>

<b>Arsenic Remediation Construction-668950</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Truckee Canyon	Truckee Canyon Water System - Solids Management		\$ -	\$ 75,000	\$ -	\$ -	\$ -
Spanish Springs	Desert Springs Water Quality Blending Phase 2	45% Grant Match	\$ 45,000	\$ -	\$ -	\$ -	\$ -
STM	Blending Line for Double Diamond Well #2		\$ -	\$ -	\$ -	\$ -	\$ -
Spanish Springs	Eagle Canyon Phase 2 Transmission Main		\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Capital Projects</b>		<b>\$ 45,000</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Spanish Springs	Desert Springs Water Quality Blending Phase 2	55% EPA Grant	\$ 55,000	\$ -	\$ -	\$ -	\$ -
	<b>Total Grant Funded Projects</b>		<b>\$ 55,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>Total Non-Capital</b>		<b>\$ 840,000</b>	<b>\$ 710,000</b>	<b>\$ 375,000</b>	<b>\$ 375,000</b>	<b>\$ 375,000</b>
	<b>Total Capital</b>		<b>\$ 11,727,320</b>	<b>\$ 13,566,100</b>	<b>\$ 6,194,600</b>	<b>\$ 6,460,000</b>	<b>\$ 1,920,000</b>
	<b>Total Grant Funded</b>		<b>\$ 3,420,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>Total Capital to enter in SAP</b>		<b>\$ 15,147,320</b>				
<b>Central Truckee Meadows Remediation District-206303</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
CTMRD	PCE Remediation - Kietzke Lane Well Treatment Sys.		\$ 85,000	\$ 50,000	\$ -	\$ -	\$ -
CTMRD	PCE Remediation - Mill Street Well Treatment Sys.		\$ 85,000	\$ 50,000	\$ -	\$ -	\$ -
CTMRD	PCE Remediation - Morrill Avenue Well Treatment Sys.		\$ 185,000	\$ -	\$ -	\$ -	\$ -
CTMRD	PCE Remediation - VFD Replacement		\$ 100,000	\$ -	\$ -	\$ -	\$ -
CTMRD	PCE Remediation - PCE Treatment Facilities (SPARKS and POPLAR#2)		\$ 3,200,000	\$ -	\$ -	\$ 1,200,000	\$ -
	<b>Total Capital Projects</b>		<b>\$ 3,655,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 1,200,000</b>	<b>\$ -</b>
<b>R&amp;R STMGID Water Construction-674310</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
STMGID	System Facility Assessment Plan		\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -
	<b>Total Non-Capital R&amp;R Projects</b>		<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
STMGID	Well 5 Disinfection System Upgrade		\$ 150,000	\$ -	\$ -	\$ -	\$ -
STMGID	Well/Tank Drainage Improvements		\$ -	\$ 200,000	\$ 100,000	\$ -	\$ -
STMGID	Water Storage Rehabilitation		\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -
STMGID	Water Distribution System Rehabilitation Program		\$ -	\$ 250,000	\$ -	\$ 250,000	\$ -
	<b>Total Capital R&amp;R Projects</b>		<b>\$ 150,000</b>	<b>\$ 550,000</b>	<b>\$ 200,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>
<b>New STMGID Water Construction-674380</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
STMGID	Well 12 Design and Construction		\$ 1,500,000	\$ -	\$ -	\$ -	\$ -
STMGID	Future Wells (Drill and Equip)		\$ -	\$ -	\$ -	\$ -	\$ -
STMGID	Water Storage		\$ -	\$ -	\$ -	\$ -	\$ -
STMGID	Reuse Conversion Program		\$ 150,000	\$ -	\$ -	\$ -	\$ 100,000
	<b>Total Capital Projects</b>		<b>\$ 1,650,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>
<b>South Truckee Meadows Water Reclamation Facility</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
	Package 1A - Control System Improvements		\$ 980,000	\$ -	\$ -	\$ -	\$ -
	Package 1B - Effluent Pumps, 3W Improvements, Electrical System Modifications, Secondary Access Road		\$ 2,490,000	\$ -	\$ -	\$ -	\$ -
	Effluent Pumps - \$1,070,000		\$ -	\$ -	\$ -	\$ -	\$ -
	3W and RAS Pump Seal Water - \$150,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Electrical System Improvements - \$390,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Air Compressor Change out and Isolation - \$535,000		\$ -	\$ -	\$ -	\$ -	\$ -
	CCB Induction Mixer and Chlorine Analyzers - \$270,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Filter Turbidimeter - \$75,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Headworks Design Definition		\$ 45,000	\$ -	\$ -	\$ -	\$ -
	Access Road Alternatives and Project Definition		\$ 50,000	\$ -	\$ -	\$ -	\$ -
	Steamboat Area Collection System Master Plan		\$ 130,000	\$ -	\$ -	\$ -	\$ -
	Effluent Water Quality Management Alternatives		\$ 155,000	\$ -	\$ -	\$ -	\$ -
	Headworks Improvements and Steamboat Area Preliminary Design Activities		\$ -	\$ 8,035,000	\$ -	\$ -	\$ -
	Headworks Improvements - \$7,005,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Plant Surveying and Geotech Investigation - \$35,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Secondary Access Road - \$930,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Steamboat Area Preliminary Design Activities - \$65,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Filter Expansion (2 filters) & Misc. Improvements		\$ -	\$ -	\$ 3,400,000	\$ -	\$ -
	Filter Expansion (assume 2 filters) - \$3,110,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Reject Water System Improvements - \$290,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Steamboat Area Collection System Improvements		\$ -	\$ -	\$ -	\$ 4,430,000	\$ -
	Misc. Improvements		\$ -	\$ -	\$ -	\$ -	\$ 780,000
	Chemical Sump - \$275,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Clairifier Coating - \$80,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Security System - \$195,000		\$ -	\$ -	\$ -	\$ -	\$ -
	Storage Building - \$145,000		\$ -	\$ -	\$ -	\$ -	\$ -
	FeC13 Feed Storage & Pump - \$85,000		\$ -	\$ -	\$ -	\$ -	\$ -
<b>City of Reno - 2011-2015 Capital Improvements Program</b>							
<b>Sanitary Sewer Capital Projects</b>							
<b>Sewer Projects</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
	Sanitary Sewer		\$ -	\$ -	\$ -	\$ -	\$ 82,500,000
	TMWRF Treatment		\$ -	\$ -	\$ -	\$ -	TBD
	RSWRF Treatment		\$ -	\$ -	\$ -	\$ -	\$ 2,500,000
	Storm Drainage		\$ -	\$ -	\$ -	\$ -	\$ 4,100,000
<b>City of Sparks - 2011-2015 Capital Improvements Program</b>							
<b>Sanitary Sewer Capital Projects</b>							
<b>Sewer Operational Efficiency Projects</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
	Integration of Pavement Condition Index Software		\$ 50,000	\$ 25,000	\$ -	\$ -	\$ -
	Sewer Lateral Location Project		\$ 30,000	\$ -	\$ -	\$ -	\$ -
	Lift Station Radio Communication		\$ 25,000	\$ -	\$ -	\$ -	\$ -
	TMWRF Studies with UNR, etc.		\$ -	\$ -	\$ 32,895	\$ 32,895	\$ -

Expansion/Rehabilitation of Sewer Infrastructure Systems		Fund	2011	2012	2013	2014	2015
	TMWRF Co-Generation Plant & Electrical System Upgrades		\$ 3,500,000	\$ 2,500,000	\$ -	\$ -	\$ 4,000,000
	TMWRF Dewatering Replacement - Design		\$ -	\$ 1,000,000	\$ -	\$ -	\$ -
	TMWRF Headworks Replacement - Preliminary Design		\$ -	\$ -	\$ 250,000	\$ -	\$ -
	TMWRF Digester Cover Rehab - Digester #4		\$ 600,000	\$ -	\$ -	\$ -	\$ -
	TMWRF Digester Cover Rehab - Digester #3		\$ -	\$ 1,005,158	\$ -	\$ -	\$ -
	TMWRF Dewatering Improvements - Construction		\$ -	\$ -	\$ 6,000,000	\$ 6,000,000	\$ -
	TMWRF Solids Handling Improvements - Construction		\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
	TMWRF Structural Concrete Replacement - Construction		\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
	TMWRF Filter & Denite Rehab & Valve Replacement		\$ -	\$ 250,000	\$ 250,000	\$ 250,000	\$ -
	TMWRF Denite Reactor Upgrade		\$ -	\$ -	\$ -	\$ -	\$ -
	TMWRF Digester Cover Rehab - Digester #2		\$ -	\$ -	\$ -	\$ -	\$ -
	TMWRF Digester Cover Rehab - Digester #1		\$ -	\$ -	\$ -	\$ -	\$ 1,005,128
	TMWRF Septage Receiving Improvements		\$ -	\$ 800,000	\$ -	\$ -	\$ -
	TMWRF SCADA System Improvements		\$ -	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
	Sparks RTC Coordination - Sewer		\$ 200,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ -
	York Way Sewer Rehabilitation		\$ 382,400	\$ -	\$ -	\$ -	\$ -
	Annual Road Ahead Project Coordination - Sewer		\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -
	Quail Street Sewer Rehabilitation		\$ 600,000	\$ -	\$ -	\$ -	\$ -
	Rockwood Sewer Rehabilitation		\$ 70,000	\$ -	\$ -	\$ -	\$ -
	E. Richards/Richards Way SS Rehabilitation		\$ 135,000	\$ -	\$ -	\$ -	\$ -
	Marietta Sewer Rehabilitation		\$ 262,000	\$ -	\$ -	\$ -	\$ -
	Rock Blvd. Sewer Rehabilitation		\$ 85,000	\$ -	\$ -	\$ -	\$ -
	Sewer Interceptor Condition Assessments		\$ 500,000	\$ -	\$ -	\$ -	\$ -
	Residential Sanitary Sewer Rehab (Lining, Bursting, etc.)		\$ 500,000	\$ 750,000	\$ -	\$ -	\$ -
	Greenbrae Sewer Rehabilitation		\$ 397,000	\$ -	\$ -	\$ -	\$ -
	Emergency/Contingency Funds - Sewer		\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
	Sewer Water Rights		\$ 500,000	\$ -	\$ -	\$ -	\$ -
	Annual Sewer System Rehabilitation		\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000
	Snider Sewer Rehabilitation		\$ -	\$ 115,000	\$ -	\$ -	\$ -
	Selis Sewer Rehabilitation		\$ -	\$ 200,000	\$ -	\$ -	\$ -
	Lyyski Sewer Rehabilitation		\$ -	\$ 200,000	\$ -	\$ -	\$ -
	<b>Total Sanitary Sewer Projects</b>		<b>\$ 8,631,400</b>	<b>\$ 9,020,158</b>	<b>\$ 7,700,000</b>	<b>\$ 7,450,000</b>	<b>\$ 6,955,128</b>
<b>Storm Drain Projects</b>							
<b>Storm Drains Operational Efficiency Projects</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
	Pioneer Diversion Monitoring		\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
	Integration of Pavement Condition Index Software		\$ 50,000	\$ 25,000	\$ -	\$ -	\$ -
	FEMA CRS/CAV Flood Mitigation		\$ 150,000	\$ -	\$ -	\$ -	\$ -
	Truckee River Flood Project - Local Option vs. USCDE Process		\$ 300,000	\$ -	\$ -	\$ -	\$ -
<b>Expansion/Rehabilitation of Storm Drains Infrastructure Systems</b>							
	Larkin Circle Levee Bank Maintenance		\$ 100,000	\$ -	\$ -	\$ -	\$ -
	Sirach Ct. Storm Drain Piping		\$ 175,000	\$ -	\$ -	\$ -	\$ -
	Greg Ct. Storm Drain Piping		\$ 100,000	\$ -	\$ -	\$ -	\$ -
	York Way Storm Drain Rehabilitation		\$ 61,000	\$ -	\$ -	\$ -	\$ -
	Sparks RTC Coordination - Drains		\$ 200,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ -
	Annual Road Ahead Project Coordination - Drains		\$ 200,000	\$ 200,000	\$ 200,000	\$ -	\$ -
	Drainage Swales - Maldonado Park		\$ 400,000	\$ -	\$ -	\$ -	\$ -
	Annual Curb & Gutter & Drainage Inlet Replacement		\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 550,000
	Annual Storm Drain System & Ditch Rehab		\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000
	Annual Dam/Flood Structure Citywide Flood Rehab & Construction		\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
	Emergency/Contingency Funds - Storm Drains		\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
	Storm Drain Master Plan - Phase III		\$ 250,000	\$ -	\$ -	\$ -	\$ -
	Pah Rah Park Springland Drive Storm Drain Planning/Design		\$ 50,000	\$ -	\$ -	\$ -	\$ -
	Stanford Storm Drain		\$ -	\$ 4,500,000	\$ 4,500,000	\$ -	\$ -
	<b>Total Storm Drain Projects</b>		<b>\$ 3,511,000</b>	<b>\$ 6,350,000</b>	<b>\$ 6,325,000</b>	<b>\$ 1,625,000</b>	<b>\$ 1,475,000</b>
<b>Riverflood Capital Projects</b>							
<b>Riverflood Capital Projects (RIVERFLOOD)</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
	No. Truckee Realignment Rob Acquisition		\$ 1,200,000	\$ -	\$ -	\$ -	\$ -
	No. Truckee Realignment Construction - Phase I		\$ 7,800,000	\$ -	\$ -	\$ -	\$ -
	No. Truckee Realignment Construction - Phase II		\$ -	\$ -	\$ 30,000,000	\$ -	\$ -
	<b>Total Riverflood Capital Projects</b>		<b>\$ 9,000,000</b>	<b>\$ -</b>	<b>\$ 30,000,000</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Effluent Projects</b>							
<b>Effluent Capital Projects</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
	Emergency/Contingency Funds - Effluent		\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
	Effluent Metered Site Upgrades		\$ -	\$ 50,000	\$ -	\$ 50,000	\$ -
	Effluent System Expansion & Enhancements		\$ -	\$ -	\$ 150,000	\$ -	\$ 150,000
	<b>Total Effluent Projects</b>		<b>\$ 250,000</b>	<b>\$ 300,000</b>	<b>\$ 400,000</b>	<b>\$ 300,000</b>	<b>\$ 400,000</b>
<b>Truckee Meadows Water Authority - 2011-2015 Capital Improvements Program</b>							
<b>Raw Water Supply-Improvements</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
	Highland Canal-Upgrades		\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
	TROA Drought Storage/Implementation		\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
<b>Ground Water-Development</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
	Well Rehabilitation & Improvements		\$ 1,800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 600,000
<b>Treatment-Improvements</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
	Treatment Plants - Fix & Finish		\$ -	\$ -	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000
	SCADA Rehab/Plant Operating Software		\$ 100,000	\$ 1,150,000	\$ 50,000	\$ 50,000	\$ 50,000
	Chalk Bluff/Glendale Projects Fix & Finish/Expansion Design		\$ 750,000	\$ 650,000	\$ -	\$ -	\$ -
	Glendale Diversion Improvements		\$ 4,500,000	\$ -	\$ -	\$ -	\$ -
<b>Distribution-Improvements</b>		<b>Fund</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
	Pressure Regulators Rehabilitation		\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
	Pressure Regulation Improvements/Interties		\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
	Pump Station Rebuilds, Rehabilitations		\$ 800,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
	Standby Generator Replacements		\$ 75,000	\$ -	\$ 75,000	\$ 500,000	\$ 125,000

Distribution-Improvements-Water Mains/Service Lines		Fund	2011	2012	2013	2014	2015
	Sparks Feeder Mains-Phase IV-Section B to Prater Way		\$ 2,500,000	\$ -	\$ -	\$ -	\$ -
	General Distribution Line Oversizing/Extensions		\$ -	\$ -	\$ 200,000	\$ 200,000	\$ 200,000
	Street & Highway Main Replacements		\$ 6,000,000	\$ 4,500,000	\$ 4,100,000	\$ 4,200,000	\$ 4,300,000
	Galv/Poly Service Line Replacements		\$ 500,000	\$ 500,000	\$ 650,000	\$ 750,000	\$ 750,000
Storage Improvements		Fund	2011	2012	2013	2014	2015
	Highland Reservoir Line/Cover Replacement		\$ -	\$ -	\$ -	\$ 1,400,000	\$ -
	Tank Reservoir Fix & Finish		\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000
Hydroelectric-Improvements		Fund	2011	2012	2013	2014	2015
	Flume, Foot Bridge Reconstruction		\$ 360,000	\$ 220,000	\$ 440,000	\$ 450,000	\$ 465,000
	Hydro Plant Equipment Replacement		\$ 250,000	\$ 500,000	\$ 75,000	\$ 75,000	\$ 75,000
Customer Service		Fund	2011	2012	2013	2014	2015
	Meter Reading Equipment Data Paks/SO Automation		\$ 50,000	\$ 50,000	\$ -	\$ 50,000	\$ -
	New Business Meters		\$ 65,000	\$ 100,000	\$ 115,000	\$ 140,000	\$ 165,000
	Small Meter Replacements		\$ 200,000	\$ 1,000,000	\$ 1,400,000	\$ 1,400,000	\$ 1,400,000
	Large Meter Replacements		\$ 150,000	\$ 165,000	\$ 170,000	\$ 175,000	\$ 185,000
Administrative		Fund	2011	2012	2013	2014	2015
	GIS System Mapping Equipment		\$ -	\$ 45,000	\$ -	\$ -	\$ 45,000
	Desktop Computer Upgrades		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
	Network Server/Storage Upgrades		\$ 275,000	\$ 175,000	\$ 175,000	\$ 175,000	\$ 250,000
	Network Security Upgrades		\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 225,000
	Engineering Operations Computer/Software Upgrades		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 50,000
	Computer/Network Licensing		\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 175,000
	Heavy Equipment		\$ -	\$ -	\$ 140,000	\$ -	\$ -
	Light Crew Trucks		\$ 100,000	\$ 250,000	\$ 375,000	\$ 375,000	\$ 380,000
	Heavy Crew Trucks		\$ -	\$ 115,000	\$ -	\$ -	\$ 125,000
	Security-VA/ER Projects		\$ 50,000	\$ 50,000	\$ 75,000	\$ 75,000	\$ 100,000
Special Projects Funded by Development		Fund	2011	2012	2013	2014	2015
	Rule 7 Water Rights Purchase		\$ -	\$ -	\$ -	\$ -	\$ -
	Water Meter Retrofits		\$ 273,000	\$ 435,000	\$ 763,000	\$ 916,000	\$ -
Sun Valley General Improvement District - 2011-2015 Capital Improvements Program							
Water		2011 - 2015					
	Combine Sidehill and Chimney Pressure Zones			\$ 90,800			
	Leon/2nd PRV Station			\$ 132,000			
	1st/Sun Valley Blvd. PRV Station Rehabilitation			\$ 145,200			
	5th/Woods and 5th/Leon 6" Distribution Mains			\$ 183,800			
	2nd 6" Dist. Main Between Sidehill/Sun Valley Blvd.			\$ 232,000			
	2nd 6" Dist. Main Between Leon/Lupin			\$ 190,100			
	Chocolate 6" D - Main			\$ 182,000			
	Pit 6 " D - Main			\$ 87,100			
	Klondike/75h PRV Station			\$ 122,900			
	Klondike 6" Dist. Main			\$ 86,000			
	Juniper Terrace P.S.			\$ 597,000			
	Sidehill PRV/System Tie			\$ 288,800			
	PRV Flow Monitor			\$ 30,000			
	Sundown/Pegasus at Quartz Convert to Sidehill Zone			-0-			
	Corral/Torbie at 4th Convert to Chocolate			\$ 20,000			
	Sidehill/Chimney Seismic Investigation			\$ 10,000			
	Facility O&M Manuals System Mapping Updates			\$85,000 to \$145,000			
Sewer		2011 - 2015					
	Regrade MH 18 to 19			\$ 250,000			
	Regrade MH 62 to 63			\$ 210,000			
	Regrade MH 46 to 47 (New NDOT Pavement)			\$ 250,000			
	South Basin 12" Parallel Main (Replaces 15" Slipline)			\$ 450,000*			
	Flow Meter Station Number 1 Short Term Improvements			\$ 14,500			
	5th and Pearl Manhole Repair			\$ 64,000			
	Lower East Basin 12" Parallel Main			\$ 436,000**			
	Upper East Basin 12" Parallel Main			\$ 147,000			
	East 7th 10" Parallel Main			\$ 150,000			
	3 - 5 Year Interceptor Cleaning and Videoin			\$ 76,000			
	Flow Meter Station Number 2 Rehabilitation			\$ 300,000			
	Flow Meter Station Number 1 Abandonment			\$ 52,000			
	* (Estimated 1/3 SVGID and 2/3 Ladera/Sun Mesa)						
	** (Sun Mesa?)						