



5 Year Capital Improvement Plan Summary -- Approved 5/27/2020

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
General Fund									
Accounting/Information Systems	1213CE1101	IT Master Plan - IT Security Devices	Director of IT	15,000	-	-	-	-	15,000
	1213CE1501	Wireless Controller Upgrade	Director of IT	40,000	-	-	-	-	40,000
	1213CE1701	District Communication Radios	Network Administrator	6,000	10,000	-	-	-	16,000
	1213CE1901	Completion of analog Phone System upgrade to VoIP	Director of IT	60,000	66,000	-	-	-	126,000
	1213CO1505	Server Storage and Computing Hardware	Director of IT	91,800	92,000	-	-	220,000	403,800
	1213CO1703	District Wide PC, Laptops, Peripheral Equipment and Desk Top Printers	IT Technician	97,050	100,000	102,950	105,900	109,950	515,850
	1213CO1803	Microsoft Office Licenses	Director of IT	9,300	9,600	-	-	-	18,900
	1213CO1804	Windows Server Operating System	Director of IT	14,000	-	-	-	-	14,000
	1213LV1721	IS&T Pick-up Truck and Cargo Unit	Fleet Superintendent	-	-	31,000	-	-	31,000
	Total			333,150	277,600	133,950	105,900	329,950	1,180,550
General	1099BD1501	Admin Roof Repairs	Buildings Superintendent	12,000	-	-	-	-	12,000
	1099BD1502	Upgrade Public Bathrooms at Administration for ADA Compliance	Buildings Superintendent	-	75,000	-	-	-	75,000
	1099BD1701	Administration Services Building - Placeholder	Engineering Manager	-	-	150,000	3,200,000	-	3,350,000
	1099LI1705	Pavement Maintenance - Administration Building	Senior Engineer	5,000	5,000	5,000	5,000	5,000	25,000
	1099OE1401	Admin Printer Copier Replacement - 893 Southwood Administration Building	District Clerk	-	32,500	-	-	-	32,500
	Total			17,000	112,500	155,000	3,205,000	5,000	3,494,500
		Total General Fund		350,150	390,100	288,950	3,310,900	334,950	4,675,050
Utilities									
Public Works Shared	2097BD1202	Paint Interior Building #A	Buildings Superintendent	-	49,000	-	-	-	49,000
	2097BD1204	New Carpet Building #A	Buildings Superintendent	-	47,000	-	-	-	47,000
	2097BD1702	Replace Public Works Front Security Gate	Buildings Superintendent	-	-	-	-	79,320	79,320
	2097BD1704	Replace Roof Public Works #B	Buildings Superintendent	-	105,000	-	-	-	105,000
	2097BD2001	Arc Flash Study - Utilities	Director of Public Works	60,000	-	-	-	-	60,000
	2097CO2101	Public Works Billing Software Replacement	Public Works Administrative Manager	10,000	100,000	100,000	50,000	-	260,000
	2097DI1401	Adjust Utility Facilities in NDOT/Washoe County Right of Way	Senior Engineer	25,000	180,000	60,000	60,000	60,000	385,000
	2097DI1701	Water Reservoir Safety and Security Improvements	Engineering Manager	200,000	-	-	-	-	200,000
	2097HE1725	Loader Tire Chains	Fleet Superintendent	-	20,000	-	-	-	20,000
	2097HE1729	2002 Caterpillar 950G Loader #523	Fleet Superintendent	-	265,000	-	-	-	265,000



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	2097HE1730	2002 Caterpillar 950G Loader #525	Fleet Superintendent	-	-	270,000	-	-	270,000
	2097HE1750	1997 Forklift #315	Fleet Superintendent	-	-	-	36,000	-	36,000
	2097HE1751	2013 Trackless Snowblower #687	Fleet Superintendent	-	-	175,000	-	-	175,000
	2097HE1752	2001 105KW Mobile Generator #313	Fleet Superintendent	-	-	50,000	-	-	50,000
	2097HV1755	2001 Peterbilt Bin Truck #468	Fleet Superintendent	-	190,000	-	-	-	190,000
	2097LE1720	Snowplow #300A	Fleet Superintendent	-	18,000	-	-	-	18,000
	2097LE1721	Snowplow #307A	Fleet Superintendent	-	-	18,000	-	-	18,000
	2097LE1722	Slurry Liquidator #326	Fleet Superintendent	-	41,000	-	-	-	41,000
	2097LE1724	2019 Sander/Spreader #808	Fleet Superintendent	-	-	-	-	10,000	10,000
	2097LE1727	2012 Snowplow #669B	Fleet Superintendent	-	-	-	-	72,000	72,000
	2097LI1401	Pavement Maintenance, Utility Facilities	Senior Engineer	-	247,500	90,000	12,500	260,000	610,000
	2097LI1701	Pavement Maintenance, Reservoir 3-1 WPS 4-2/5-1	Senior Engineer	-	220,000	-	-	-	220,000
	2097LV1710	2013 Chevy Equinox	Fleet Superintendent	-	-	-	37,000	-	37,000
	2097LV1734	2013 1/2 Ton Pick-Up #677 Treatment	Fleet Superintendent	-	-	-	37,000	-	37,000
	2097LV1735	2003 GMC 3/4-Ton Pick-up #702	Fleet Superintendent	-	-	-	-	34,000	34,000
	2097LV1736	2005 Chevy 1/2-Ton Pick-up #553	Fleet Superintendent	-	32,000	-	-	-	32,000
	2097LV1738	2009 Chevrolet 1/2 Ton Pick-up Truck #631	Fleet Superintendent	-	30,000	-	-	-	30,000
	2097LV1739	2009 Chevrolet 1/2 Ton Pick-up Truck #632 Engineering Dept.	Fleet Superintendent	-	32,000	-	-	-	32,000
	2097LV1740	2012 Extend-A-Cab Pick-up #678 Pipeline Dept.	Fleet Superintendent	-	-	32,000	-	-	32,000
	2097LV1741	2004 3/4-Ton Service Truck w/liftgate & crane #703	Fleet Superintendent	-	-	-	-	58,000	58,000
	2097LV1743	2013 1-Ton Flatbed #679 Pipeline Dept.	Fleet Superintendent	-	-	-	44,000	-	44,000
	2097LV1744	2012 1-Ton Service Truck w/ Liftgate #668 Treatment	Fleet Superintendent	-	-	43,000	-	-	43,000
	2097LV1745	2013 1-Ton Service Truck #680 Utilities Electrician	Fleet Superintendent	-	-	-	44,000	-	44,000
	2097LV1748	2008 Chevrolet Service Truck #680	Fleet Superintendent	-	-	45,000	-	-	45,000
	2097LV1749	2011 Chevrolet Service Truck #647 Treatment	Fleet Superintendent	45,000	-	-	-	-	45,000
	2097OE1205	Large Format Printer Replacement	Public Works Contract Administrator	-	-	-	29,000	-	29,000
	Total			340,000	1,576,500	883,000	349,500	573,320	3,722,320
Water	2299DI1102	Water Pumping Station Improvements	Engineering Manager	70,000	70,000	50,000	50,000	50,000	290,000
	2299DI1103	Replace Commercial Water Meters, Vaults and Lids	Collection/Distribution Supervisor	55,000	40,000	40,000	40,000	-	175,000
	2299DI1204	Water Reservoir Coatings and Site Improvements	Utility Maintenance Specialist	85,000	85,000	60,000	80,000	55,000	365,000
	2299DI1401	Burnt Cedar Water Disinfection Plant Improvements	Engineering Manager	25,000	55,000	25,000	25,000	150,000	280,000
	2299DI1702	Water Pump Station 2-1 Improvements	Engineering Manager	-	-	300,000	-	-	300,000



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	2299DI2603	Residential meter and electronics replacement	Collection/Distribution Supervisor	-	-	-	150,000	250,000	400,000
	2299LV1720	2013 Mid Size Truck #630 Compliance	Fleet Superintendent	-	31,000	-	-	-	31,000
	2299WS1704	Watermain Replacement - Martis Peak Road vicinity	Senior Engineer	990,000	-	-	-	-	990,000
	2299WS1705	Watermain Replacement - Crystal Peak Road	Senior Engineer	-	50,000	986,000	-	-	1,036,000
	2299WS1706	Watermain Replacement - Slott Pk Ct	Senior Engineer	-	250,000	-	-	-	250,000
	2299WS1802	Watermain Replacement - Alder Avenue	Senior Engineer	-	-	50,000	535,000	-	585,000
	2299WS1803	Watermain Replacement - Future	Senior Engineer	-	-	-	50,000	600,000	650,000
	2299WS1804	R6-1 Tank Road Construction	Senior Engineer	-	125,000	-	-	-	125,000
	Total			1,225,000	706,000	1,511,000	930,000	1,105,000	5,477,000
Sewer	2523HE1723	2001 Sellick Forklift #499	Fleet Superintendent	-	-	-	65,000	-	65,000
	2523HV1721	2006 Kenworth T800 Bin truck #587	Fleet Superintendent	-	197,200	-	-	-	197,200
	2523LE1720	2018 Flail Mower #784	Fleet Superintendent	-	-	-	15,000	-	15,000
	2524HE1725	2008 Chevrolet Camera Truck #615	Fleet Superintendent	-	-	-	85,000	-	85,000
	2524SS1010	Effluent Pipeline Project	Engineering Manager	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
	2599BD1105	Building Upgrades Water Resource Recovery Facility	Utility Superintendent	80,000	40,000	30,000	50,000	275,000	475,000
	2599DI1104	Sewer Pumping Station Improvements	Engineering Manager	70,000	30,000	30,000	50,000	50,000	230,000
	2599DI1701	Sewer Pumping Station 14 Improvements	Engineering Manager	-	-	-	30,000	85,000	115,000
	2599DI1703	Sewer Pump Station #1 Improvements	Engineering Manager	650,000	-	-	-	-	650,000
	2599SS1102	Water Resource Recovery Facility Improvements	Utility Superintendent	125,000	75,000	100,000	175,000	475,000	950,000
	2599SS1103	Wetlands Effluent Disposal Facility Improvements	Utility Maintenance Specialist	16,500	183,500	100,000	100,000	-	400,000
	2599SS1203	Replace & Reline Sewer Mains, Manholes and Appurtenances	Senior Engineer	80,000	60,000	55,000	105,000	55,000	355,000
	2599SS1901	Wastewater Resource Recovery Facility (WRRF) Drainage Improvements	Senior Engineer	-	12,500	-	-	-	12,500
	2599SS2107	Update Camera Equipment	Collection/Distribution Supervisor	-	60,000	-	-	-	60,000
	Total			3,021,500	2,658,200	2,315,000	2,675,000	2,940,000	13,609,700
		Total Utilities		4,586,500	4,940,700	4,709,000	3,954,500	4,618,320	22,809,020
Internal Service									
Fleet	5190ME1201	Replacement Shop Tools and Equipment	Fleet Superintendent	-	-	16,000	-	-	16,000
	5197CO1501	Fuel Management Program	Fleet Superintendent	-	-	-	-	28,000	28,000
	5197CO1801	Fleet Software upgrade - manages rolling stock/equip	Fleet Superintendent	-	-	14,000	-	-	14,000
	5197LE1720	Replace 2007 Vehicle/Equipment Trailer #629	Fleet Superintendent	-	-	-	12,000	-	12,000
	Total			-	-	30,000	12,000	28,000	70,000



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Buildings	5394LE1723	2003 Genie Scissor Lift	Fleet Superintendent	-	16,000	-	-	-	16,000
	5394LE1724	2004 Equipment Trailer (Tilt)	Fleet Superintendent	-	5,200	-	-	-	5,200
	5394LV1720	Replace 2005 Service Truck 4X4 (1-ton) #555	Fleet Superintendent	-	43,600	-	-	-	43,600
	5394LV1722	Replace 2004 Pick-up Truck 4X4 (1/2-ton) #540	Fleet Superintendent	5,000	-	-	-	-	5,000
	Total			5,000	64,800	-	-	-	69,800
		Total Internal Service		5,000	64,800	30,000	12,000	28,000	139,800
Community Services									
Championship Golf	3141FF1804	Champ Golf Exterior Icemaker Replacement	Buildings Superintendent	10,500	-	-	-	-	10,500
	3141FF1903	Championship Golf Course Bear Boxes	Grounds Superintendent Golf Courses	6,000	-	-	-	-	6,000
	3141GC1103	Irrigation Improvements	Grounds Superintendent Golf Courses	15,000	26,000	15,000	30,000	27,000	113,000
	3141GC1501	Maintenance Building Drainage, Wash Pad, and Pavement improvements	Engineering Manager	700,000	-	-	-	-	700,000
	3141GC1803	Championship Course Tees	Grounds Superintendent Golf Courses	-	12,000	-	-	-	12,000
	3141GC1901	Practice Green Expansion	Grounds Superintendent Golf Courses	-	-	-	-	150,000	150,000
	3141LI1201	Pavement Maintenance of Parking Lots - Champ Course & Chateau	Senior Engineer	55,000	17,500	65,000	615,000	5,000	757,500
	3141LI1202	Pavement Maintenance of Cart Paths - Champ Course	Senior Engineer	62,500	55,000	55,000	55,000	195,000	422,500
	3141LV1898	Championship Golf Course Electric Cart Fleet and GPS	Director of Golf	378,000	-	-	-	-	378,000
	3142LE1722	2001 Shattertine Aerifier #500	Fleet Superintendent	-	-	-	8,000	-	8,000
	3142LE1723	2017 Toro Force Debris Blower #742	Fleet Superintendent	-	-	10,000	-	-	10,000
	3142LE1725	2015 Carryall Club Car #720	Fleet Superintendent	-	-	-	-	15,000	15,000
	3142LE1726	2015 Carryall Club Car #721	Fleet Superintendent	-	-	-	-	15,000	15,000
	3142LE1737	2006 Carryall Club Car #589	Fleet Superintendent	13,000	-	-	-	-	13,000
	3142LE1738	2006 Carryall Club Car #590	Fleet Superintendent	13,000	-	-	-	-	13,000
	3142LE1739	2006 Carryall Club Car #591	Fleet Superintendent	13,000	-	-	-	-	13,000
	3142LE1741	2016 Bar Cart #724	Fleet Superintendent	17,000	-	-	-	-	17,000
	3142LE1742	2016 Bar Cart #725	Fleet Superintendent	17,000	-	-	-	-	17,000
	3142LE1743	2017 Toro Sand Pro 3020 #744	Fleet Superintendent	-	-	-	22,000	-	22,000
	3142LE1744	2014 Toro Tri-Plex Mower 3250D #694	Fleet Superintendent	-	48,800	-	-	-	48,800
	3142LE1745	2017 Toro 3500D Mower #743	Fleet Superintendent	-	38,000	-	-	-	38,000
	3142LE1746	2012 JD 8500 Fairway Mower #670	Fleet Superintendent	-	92,000	-	-	-	92,000
	3142LE1747	2011 Toro Groundsmaster 4000D #650	Fleet Superintendent	-	69,000	-	-	-	69,000
	3142LE1748	2015 Toro Greensmaster 1600 #711	Fleet Superintendent	-	-	-	11,300	-	11,300



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	3142LE1749	2015 Toro Greensmaster 1600 #712	Fleet Superintendent	-	-	-	11,300	-	11,300
	3142LE1750	2013 JD 3235 Fairway Mower #685	Fleet Superintendent	-	-	92,000	-	-	92,000
	3142LE1753	2019 Toro Greensmaster 2120 #797	Fleet Superintendent	-	-	-	17,000	-	17,000
	3142LE1754	2019 Toro Greensmaster 2120 #798	Fleet Superintendent	-	-	-	17,000	-	17,000
	3142LE1755	2019 Toro Greensmaster 2120 #799	Fleet Superintendent	-	-	-	17,000	-	17,000
	3142LE1756	2019 Toro Greensmaster 2120 #800	Fleet Superintendent	-	-	-	17,000	-	17,000
	3142LE1757	2019 Toro Greensmaster 2120 #801	Fleet Superintendent	-	-	-	17,000	-	17,000
	3142LE1758	2019 Toro Greensmaster 2120 #802	Fleet Superintendent	-	-	-	17,000	-	17,000
	3142LE1759	2014 3500D Toro Rotary Mower #693	Fleet Superintendent	-	38,000	-	-	-	38,000
	3142LE1861	Toro Greensmaster 1600 #796	Fleet Superintendent	-	-	-	11,300	-	11,300
	3143GC1201	Driving Range Nets	Engineering Technician	90,000	-	-	-	-	90,000
	3143GC1202	Driving Range Improvements	Grounds Superintendent Golf Courses	-	-	-	34,000	-	34,000
	3143GC2002	Range Ball Machine Replacement	Director of Golf	-	-	20,000	-	-	20,000
	3144FF1702	Replace Icemaker Championship Golf Course Cart Barn	Buildings Superintendent	-	10,980	-	-	-	10,980
	3153BD2001	Recoat Chateau F&B Grill and Catering Kitchen Floors	Buildings Superintendent	-	39,700	-	-	-	39,700
	3197HV1749	1997 1-Ton Dump Truck #419	Fleet Superintendent	-	44,000	-	-	-	44,000
	3197LE1721	2017 Toro Aerator #754	Fleet Superintendent	-	-	-	-	28,000	28,000
	3197LE1722	2018 Toro Multi-Pro Sprayer #781	Fleet Superintendent	-	-	-	75,000	-	75,000
	3197LE1729	2017 Toro Multi-Pro Spray Rig #746	Fleet Superintendent	-	-	-	41,000	-	41,000
	3197LE1731	2008 Planetair HD50 #616	Fleet Superintendent	38,000	-	-	-	-	38,000
	3197LE1732	2015 John Deere 1500 Fairway Aerator #716	Fleet Superintendent	-	-	-	-	32,500	32,500
	3197LE1735	2017 TORO Procore 864 Aerator #747	Fleet Superintendent	28,000	-	-	-	32,500	60,500
	3197LE1748	Replace Blade Grinding Equipment	Fleet Superintendent	-	-	-	49,000	-	49,000
	3197LE1752	2017 Deep Tine Aerator #763	Fleet Superintendent	27,000	-	-	-	27,800	54,800
	3197LE1902	Graden Sand Injection Verticutter	Fleet Superintendent	18,500	-	-	-	-	18,500
	3197LE2004	2017 TORO PROCORE 864 AERATOR #756	Fleet Superintendent	33,500	-	-	-	32,500	66,000
	3197LE2020	2010 JD 4120 Tractor #643	Fleet Superintendent	-	32,000	-	-	-	32,000
	3197LE2022	2017 Toro Core Processor #758	Fleet Superintendent	-	-	-	-	26,000	26,000
	3199OE1501	Championship Golf Printer Copier Replacement 955 Fairway	Director of IT	-	-	10,000	-	-	10,000
	Total			1,535,000	522,980	267,000	1,064,900	586,300	3,976,180



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Mountain Golf	3241GC1101	Mountain Course Greens, Tees and Bunkers	Grounds Superintendent Golf Courses	8,000	8,000	-	-	40,000	56,000
	3241GC1404	Irrigation Improvements	Grounds Superintendent Golf Courses	-	-	30,000	10,000	12,000	52,000
	3241GC1502	Wash Pad Improvements	Engineering Manager	-	5,000	65,000	-	-	70,000
	3241LI2001	Mountain Golf Cart Path Replacement	Director of Golf/Community Services	-	550,000	550,000	550,000	-	1,650,000
	3241LV1899	Mountain Course 58 Cart Fleet	Director of Golf	-	-	-	-	491,200	491,200
	3242LE1720	2018 Toro Force Blower #777	Fleet Superintendent	-	-	10,000	-	-	10,000
	3242LE1721	2015 Carryall Club Car #713	Fleet Superintendent	-	-	-	-	15,000	15,000
	3242LE1722	2015 Carryall Club Car #714	Fleet Superintendent	-	-	-	-	15,000	15,000
	3242LE1723	2015 Carryall Club Car #718	Fleet Superintendent	-	-	-	-	15,000	15,000
	3242LE1724	2015 Carryall Club Car #719	Fleet Superintendent	-	-	-	-	15,000	15,000
	3242LE1726	2016 Bar Cart #726	Fleet Superintendent	20,000	-	-	-	-	20,000
	3242LE1728	2015 Toro 4000D Rough Mower #709	Fleet Superintendent	-	69,000	-	-	-	69,000
	3242LE1729	2015 JD 3235 Fairway Mower #717	Fleet Superintendent	-	-	-	-	93,000	93,000
	3242LE1730	2018 Toro Tri-Plex 3250D Mower #779	Fleet Superintendent	-	-	-	-	45,500	45,500
	3242LE1731	2017 Toro Sand Pro #745	Fleet Superintendent	-	-	-	22,000	-	22,000
	3242LE1732	2018 Toro Tri-Plex Mower #780	Fleet Superintendent	-	-	-	-	60,000	60,000
	3242LE2002	2019 Toro Tri-Plex Mower #795	Fleet Superintendent	-	-	-	-	40,000	40,000
	3242LI1204	Pavement Maintenance of Parking Lot - Mountain Golf Course	Senior Engineer	6,000	12,500	12,500	22,500	27,500	81,000
	3299BD1403	Mountain Course Maintenance Building - Electrical Improvements	Engineering Technician	-	50,000	375,000	-	-	425,000
	3299BD1705	Paint Exterior of Mountain Golf Clubhouse	Buildings Superintendent	-	-	-	-	31,000	31,000
	Total			34,000	694,500	1,042,500	604,500	900,200	3,275,700
Facilities	3350BD1103	Chateau - Replace Carpet	Buildings Superintendent	-	-	49,500	68,000	-	117,500
	3350BD1302	Resurface Patio Deck - Chateau	Buildings Superintendent	36,000	-	-	-	-	36,000
	3350BD1505	Paint Interior of Chateau	Buildings Superintendent	-	-	40,500	-	-	40,500
	3350BD1506	Paint Exterior of Chateau	Buildings Superintendent	-	47,000	-	-	-	47,000
	3350BD1702	Upgrade Chateau Community Room Lighting Control Module	Buildings Superintendent	-	-	-	-	25,620	25,620
	3350BD1704	Replace Air Walls Chateau	Buildings Superintendent	56,500	-	-	-	-	56,500
	3350BD1803	Replace Carpet in Chateau Grill	Buildings Superintendent	-	30,000	-	-	-	30,000
	3350BD1808	Chateau Community Room Ceiling and Beam Refurbishing	Buildings Superintendent	-	-	-	25,000	-	25,000



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	3350ME2001	Retrofit Chateau Ventilation Ducts	Engineering Technician	7,500	-	-	-	-	7,500
	3351BD1501	Aspen Grove - Replace Carpet	Buildings Superintendent	-	11,000	-	-	-	11,000
	3351BD1703	Aspen Grove Outdoor Seating BBQ and Landscaping	Parks Superintendent	-	41,400	10,000	-	-	51,400
	3351BD2101	Dumpster enclosure – Village Green/Aspen Grove	Parks Superintendent	-	45,000	-	-	-	45,000
	3352FF1104	Replace Banquet Serviceware	Sales and Events Coordinator	-	-	-	11,000	66,000	77,000
	3352LV1720	Replace 2013 Cargo Truck #690	Fleet Superintendent	-	-	38,500	-	-	38,500
	Total			100,000	174,400	138,500	104,000	91,620	608,520
Ski	3453BD1806	Base Lodge Walk In Cooler and Food Prep Reconfiguration	Engineering Manager	15,000	200,000	-	-	-	215,000
	3453FF1706	Replace Main Lodge/Snowflake Lodge Dining Furniture and Fixtures	Food and Beverage Director	-	-	49,000	-	-	49,000
	3453FF1707	Replacement of Main and Snowflake Lodge Kitchen Equipment	Food and Beverage Director	-	-	53,000	-	11,000	64,000
	3462HE1502	Crystal Express Ski Lift Maintenance and Improvements	Mountain Operations Manager	55,000	30,000	145,000	-	-	230,000
	3462HE1702	Lakeview Ski Lift Maintenance and Improvements	Mountain Operations Manager	25,000	65,000	17,000	-	39,000	146,000
	3462HE1711	Lodgepole Ski Lift Maintenance and Improvements	Mountain Operations Manager	-	60,000	65,000	-	120,000	245,000
	3462HE1712	Red Fox Ski Lift Maintenance and Improvements	Ski Resort General Manager	-	-	-	20,000	-	20,000
	3462HE1903	Ridge Ski Lift Maintenance and Improvements	Mountain Operations Manager	45,000	-	-	-	-	45,000
	3462LE1720	2016 Polaris Ranger Crew #728	Fleet Superintendent	-	-	-	19,000	-	19,000
	3463HE1721	2013 Snow blower #689	Fleet Superintendent	-	-	-	165,900	-	165,900
	3463HE1722	Loader Tire Chains (1-Set)	Fleet Superintendent	-	9,750	-	-	-	9,750
	3463HE1723	2002 Caterpillar 950G Loader #524	Fleet Superintendent	-	265,000	-	-	-	265,000
	3463HE1724	Replace 2014 Winch Cat Grooming vehicle # 699	Fleet Superintendent	-	-	-	-	415,000	415,000
	3463HE1725	Replace 2014 Grooming vehicle # 700	Fleet Superintendent	-	-	-	-	415,000	415,000
	3463HE1728	Replacement of 2011 Grooming Vehicle # 645	Fleet Superintendent	-	400,000	-	-	-	400,000
	3464BD1403	Resurface Main Lodge Decks	Buildings Superintendent	-	-	-	-	65,000	65,000
	3464LE1601	Ski Resort Snowmobile Fleet Replacement	Fleet Superintendent	16,000	16,500	17,000	17,000	17,500	84,000
	3464LE1729	Snowplow #304A	Fleet Superintendent	-	19,000	-	-	-	19,000
	3464LE1734	2016 Polaris Ranger Crew #723	Fleet Superintendent	-	-	19,000	-	-	19,000
	3464LV1730	2014 Yamaha ATV #695	Fleet Superintendent	-	19,000	-	-	-	19,000
	3464LV1732	2013 Yamaha Rhino (ATV) #674	Fleet Superintendent	21,000	-	-	-	-	21,000
	3464ME1802	Diamond Peak Fuel Storage Facility	Fleet Superintendent	-	-	-	-	20,000	20,000



5 Year Capital Improvement Plan Summary - Approved 5/27/2020

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
	3464SI1002	Fan Guns Purchase and Replacement	Mountain Operations Manager	-	160,000	120,000	-	-	280,000
	3467LE1703	Replace Child Ski Center Surface Lift	Ski Resort General Manager	-	72,000	-	-	-	72,000
	3468RE0002	Replace Ski Rental Equipment	Director of Skier Services	200,000	-	-	360,000	210,000	770,000
	3468RE1609	Replace Ski Rental Machinery	Director of Skier Services	-	36,000	-	-	-	36,000
	3469HE1739	Replace 2010 Shuttle Bus #635	Fleet Superintendent	140,000	-	-	-	-	140,000
	3469HE1740	Replace 2010 Shuttle Bus #636	Fleet Superintendent	140,000	-	-	-	-	140,000
	3469LI1105	Pavement Maintenance, Diamond Peak and Ski Way	Senior Engineer	25,000	-	-	-	-	25,000
	3469LI1805	Ski Way and Diamond Peak Parking Lot Reconstruction	Engineering Manager	300,000	3,600,000	-	-	-	3,900,000
	3469LV1735	2007 Chevy 1-Ton Pick-Up #596	Fleet Superintendent	-	40,000	-	-	-	40,000
	3469LV1736	2007 Chevy 1-Ton Pick-Up #597	Fleet Superintendent	-	40,000	-	-	-	40,000
	3469LV1737	1991 Ski Passenger Tram #267	Fleet Superintendent	-	22,700	-	-	-	22,700
	3469LV1738	1993 Ski Passenger Tram #283	Fleet Superintendent	-	-	23,400	-	-	23,400
	3499BD1710	Diamond Peak Facilities Flooring Material Replacement	Mountain Operations Manager	55,000	34,000	20,000	20,000	8,000	137,000
	3499BD2002	Arc Flash Study - Ski	Director of Public Works	20,000	-	-	-	-	20,000
	3499OE1205	Replace Staff Uniforms	Ski Resort General Manager	135,000	-	-	-	-	135,000
	3499OE1502	Skier Services Administration Printer Copier Replacement 1210 Ski Way	Director of IT	-	10,000	-	-	-	10,000
	Total			1,192,000	5,098,950	528,400	601,900	1,320,500	8,741,750
Parks	4378BD1603	Resurface and Coat Incline Park Bathroom Floors	Buildings Superintendent	13,940	-	-	-	14,500	28,440
	4378BD1604	Resurface and Coat Preston Park Bathroom, Mechanical Room, and Bleacher Floors	Buildings Superintendent	-	53,200	-	-	-	53,200
	4378BD1605	Aspen Grove Flatscape and Retaining Wall Enhancement and Replacement	Senior Engineer	-	-	145,000	105,000	-	250,000
	4378BD1701	Dumpster enclosure – Incline Park	Parks Superintendent	-	45,000	-	-	-	45,000
	4378BD1705	Rosewood Creek Foot Bridges	Parks Superintendent	8,000	-	-	-	-	8,000
	4378BD1801	Preston Field Retaining Wall Replacement	Engineering Manager	10,000	22,000	264,000	-	-	296,000
	4378BD2001	Grout Repair Upstairs Parks Office & Tile Replacement	Buildings Superintendent	-	10,000	-	-	-	10,000
	4378HV1738	2013 1-Ton Dump Truck #692	Fleet Superintendent	-	-	-	-	43,000	43,000
	4378LE1720	2013 Surf Rake #684	Fleet Superintendent	-	-	-	26,500	-	26,500
	4378LE1725	2008 Landpride Overseeder #622	Fleet Superintendent	-	-	-	-	17,000	17,000
	4378LE1726	2018 John Deere UTV #771	Fleet Superintendent	-	-	-	-	20,000	20,000
	4378LE1727	2015 John Deere Pro Gator #722	Fleet Superintendent	-	-	-	-	32,000	32,000
	4378LE1731	2008 JD Pro-Gator #624	Fleet Superintendent	36,000	-	-	-	-	36,000



5 Year Capital Improvement Plan Summary - Approved 5/27/2020

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
	4378LE1742	2015 Ball Field Groomer #706	Fleet Superintendent	24,000	-	-	-	-	24,000
	4378LE1743	2019 Toro 3500D Rotary Mower #792	Fleet Superintendent	-	-	-	-	37,000	37,000
	4378LI1207	Maintenance, East & West End Parks	Senior Engineer	7,000	39,500	3,000	41,500	5,000	96,000
	4378LI1303	Pavement Maintenance, Village Green Parking	Senior Engineer	7,500	5,000	32,500	5,000	5,000	55,000
	4378LI1403	Pavement Maintenance, Preston Field	Senior Engineer	5,000	7,500	27,500	6,000	7,500	53,500
	4378LI1602	Pavement Maintenance, Overflow Parking Lot	Senior Engineer	5,000	5,000	27,500	5,000	10,000	52,500
	4378LI1802	Pavement Maintenance - Incline Park	Senior Engineer	3,500	7,500	3,500	6,000	6,000	26,500
	4378LV1734	2011 Pick-Up with Lift gate #646	Fleet Superintendent	-	-	44,500	-	-	44,500
	4378LV1735	2005 Pick-up Truck 4x4 (1-Ton) #554	Fleet Superintendent	-	45,000	-	-	-	45,000
	4378LV1737	2004 Pick-up Truck 4x4 (1-Ton) #541	Fleet Superintendent	45,000	-	-	-	-	45,000
	4378RS1501	Replace Playground - Incline Park	Senior Engineer	-	20,000	100,000	-	-	120,000
	4378RS1601	Replace Playgrounds - Preston	Senior Engineer	7,500	7,500	7,500	100,000	-	122,500
	Total			172,440	267,200	655,000	295,000	197,000	1,586,640
Tennis	4588BD1602	Paint All Court Fences and Light Poles	Buildings Superintendent	26,000	-	-	-	-	26,000
	4588LI1201	Pavement Maintenance, Tennis Facility	Senior Engineer	5,000	5,000	5,000	10,000	22,500	47,500
	4588RS1401	Resurface Tennis Courts 8-9-10-11	Director of Parks and Recreation	17,600	-	-	-	-	17,600
	4588RS1402	Resurface Tennis Courts 3 thru 7	Director of Parks and Recreation	-	-	-	23,000	-	23,000
	4588RS1501	Resurface Tennis Courts 1 and 2	Director of Parks and Recreation	-	-	-	-	10,000	10,000
	Total			48,600	5,000	5,000	33,000	32,500	124,100
Recreation Center	4884BD1702	Replace Bird Netting	Buildings Superintendent	-	-	-	17,720	-	17,720
	4884BD1705	Upgrade Lights for I.P. Pathway	Buildings Superintendent	-	27,000	-	-	-	27,000
	4884BD1804	Chemtrol System for Recreation Center Pool	Director of Parks and Recreation	-	22,000	-	-	-	22,000
	4884BD1902	Recreation Center Upstairs Lobby Restrooms Remodel	Engineering Technician	170,000	-	-	-	-	170,000
	4884LI1102	Pavement Maintenance, Recreation Center Area	Senior Engineer	62,500	7,500	357,500	307,500	307,500	1,042,500
	4884RS1503	Replaster Recreation Center Pool	Buildings Superintendent	-	-	-	200,000	-	200,000
	4886LE0001	Fitness Equipment	Recreation Center Manager	45,000	47,250	49,000	70,000	57,200	268,450
	4899BD1305	Paint Interior of Recreation Center	Buildings Superintendent	-	15,500	-	15,500	-	31,000
	4899FF1202	Rec Center Locker Room Improvements	Engineering Manager	60,000	720,000	-	-	-	780,000
	4899LV1721	2012 15-Passenger Van #667	Fleet Superintendent	-	45,800	-	-	-	45,800
	4899LV1723	2017 Chevy Compact SUV #751	Fleet Superintendent	-	32,000	-	-	-	32,000
	4899ME2001	Recreation Center Elevator Modernization	Engineering Technician	97,500	-	-	-	-	97,500



5 Year Capital Improvement Plan Summary - Approved 5/27/2020

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
	4899OE1607	Recreation Center Printer Copier Replacement 980 Incline Way	Director of IT	20,000	-	-	-	-	20,000
	Total			455,000	917,050	406,500	610,720	364,700	2,753,970
Community Services Shared	4999BD2001	Arc Flash Study - Community Services	Director of Public Works	10,000	-	-	-	-	10,000
	4999LV1802	2017 Dodge Caravan ADA #769	Fleet Superintendent	-	53,000	-	-	-	53,000
	4999OE1399	Web Site Redesign and Upgrade	Marketing Manager	80,000	-	-	-	-	80,000
	Total			90,000	53,000	-	-	-	143,000
		Total Community Services		3,627,040	7,733,080	3,042,900	3,314,020	3,492,820	21,209,860
Beaches									
	3970BD2601	Burnt Cedar Swimming Pool Improvements	Engineering Manager	225,000	2,700,000	-	-	-	2,925,000
	3972BD1301	Pavement Maintenance, Ski Beach	Senior Engineer	6,000	8,500	15,000	256,000	6,000	291,500
	3972BD1501	Beaches Flatscape and Retaining Wall Enhancement and Replacement	Senior Engineer	55,000	55,000	55,000	55,000	-	220,000
	3972BD1707	Burnt Cedar Dumpster enclosure	Senior Engineer	35,000	-	-	-	-	35,000
	3972FF1704	Beach Furnishings	Parks Superintendent	7,000	21,000	-	-	-	28,000
	3972LE1720	2014 John Deere 5075E Tractor #698	Fleet Superintendent	-	-	-	-	54,000	54,000
	3972LI1201	Pavement Maintenance, Incline Beach	Senior Engineer	6,500	6,500	31,500	6,500	6,500	57,500
	3972LI1202	Pavement Maintenance, Burnt Cedar Beach	Senior Engineer	12,500	12,500	67,500	12,500	12,500	117,500
	3972RS1701	Replace Playgrounds - Beaches	Senior Engineer	7,500	7,500	15,000	100,000	100,000	230,000
	3973FF1204	Incline Beach Kitchen	Food and Beverage Director	-	7,260	-	-	-	7,260
	3973LI1302	Incline Beach Facility Replacement	Engineering Manager	100,000	-	-	-	-	100,000
	3974FF1101	Burnt Cedar Beach Kitchen	Food and Beverage Director	-	6,800	-	-	-	6,800
	3999BD1702	Resurface Burnt Cedar Pool Patio Deck	Buildings Superintendent	-	-	-	-	29,100	29,100
	3999BD1703	Replace Ski Beach Entrance Gate	Buildings Superintendent	-	-	-	19,500	-	19,500
	3999BD1708	Ski Beach Bridge Replacement	Senior Engineer	-	-	120,000	-	-	120,000
	3999DI1706	Burnt Cedar Beach Backflow Device Replacement	Engineering Manager	-	-	45,000	-	-	45,000
	Total			454,500	2,825,060	349,000	449,500	208,100	4,286,160
Total				9,023,190	15,953,740	8,419,850	11,040,920	8,682,190	53,119,890



5 Year Capital Improvement Plan Summary General Fund

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
General Fund									
Accounting/Information Systems	1213CE1101	IT Master Plan - IT Security Devices	Director of IT	15,000	-	-	-	-	15,000
	1213CE1501	Wireless Controller Upgrade	Director of IT	40,000	-	-	-	-	40,000
	1213CE1701	District Communication Radios	Network Administrator	6,000	10,000	-	-	-	16,000
	1213CE1901	Completion of analog Phone System upgrade to VoIP	Director of IT	60,000	66,000	-	-	-	126,000
	1213CO1505	Server Storage and Computing Hardware	Director of IT	91,800	92,000	-	-	220,000	403,800
	1213CO1703	District Wide PC, Laptops, Peripheral Equipment and Desk Top Printers	IT Technician	97,050	100,000	102,950	105,900	109,950	515,850
	1213CO1803	Microsoft Office Licenses	Director of IT	9,300	9,600	-	-	-	18,900
	1213CO1804	Windows Server Operating System	Director of IT	14,000	-	-	-	-	14,000
	1213LV1721	IS&T Pick-up Truck and Cargo Unit	Fleet Superintendent	-	-	31,000	-	-	31,000
	Total			333,150	277,600	133,950	105,900	329,950	1,180,550
General	1099BD1501	Admin Roof Repairs	Buildings Superintendent	12,000	-	-	-	-	12,000
	1099BD1502	Upgrade Public Bathrooms at Administration for ADA Compliance	Buildings Superintendent	-	75,000	-	-	-	75,000
	1099BD1701	Administration Services Building - Placeholder	Engineering Manager	-	-	150,000	3,200,000	-	3,350,000
	1099LI1705	Pavement Maintenance - Administration Building	Senior Engineer	5,000	5,000	5,000	5,000	5,000	25,000
	1099OE1401	Admin Printer Copier Replacement - 893 Southwood Administration Building	District Clerk	-	32,500	-	-	-	32,500
	Total			17,000	112,500	155,000	3,205,000	5,000	3,494,500
		Total General Fund		350,150	390,100	288,950	3,310,900	334,950	4,675,050



Project Summary

Project Number: 1213CE1101
Title: IT Master Plan - IT Security Devices
Project Type: G - Equipment & Software
Division: 13 - Information Services
Budget Year: 2021
Finance Option:
Asset Type: CE - Communications Equipment
Active: Yes

Project Description				
The IT Master Plan Project Firewall/Remote Access appliances are the District's protection from outside intrusion to our internal network. This project provides for replacement of critical security & network hardware: firewall appliances and anti-spam appliance and/or other related network & internet devices to accomplish the same objective.				
Project Internal Staff				
IT staff will make an annual evaluation of the condition of the equipment and the operational effectiveness of the technology and related operating platforms to make a determination for replacement or upgrade.				
Project Justification				
<p>In our current Internet environment outside attacks can come in many different forms and we need to keep this mission critical equipment up to date with vendor support.</p> <p>Firewall/Remote Access network appliance - protection from outside intrusion to our internal network and provides for remote access for District Staff and when appropriate third party providers.</p> <p>-Anti-spam appliance – blocks 90% of spam & viruses from reaching user email inboxes (averages 1,900+ messages/day).</p> <p>The industry standard life-cycle of firewall appliances is three years. In 2015 we replaced the main firewall devices through 2020. The District security devices in many places. This project is to provide for replacements of need, based on care and condition or changes in technology. The estimated project cost is for replacement of devices and a support agreement.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
IT Security Devices	15,000	0	15,000	
Year Total	15,000	0	15,000	
2030				
IT Security Devices	11,000	0	11,000	
Year Total	11,000	0	11,000	
2033				
IT Security Devices	11,250	0	11,250	
Year Total	11,250	0	11,250	
2036				
IT Security Devices	11,500	0	11,500	
Year Total	11,500	0	11,500	
	48,750	0	48,750	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Director of IT	



Project Summary

Project Number: 1213CE1501
Title: Wireless Controller Upgrade
Project Type: G - Equipment & Software
Division: 13 - Information Services
Budget Year: 2021
Finance Option:
Asset Type: CE - Communications Equipment
Active: Yes

Project Description				
Maintain installed District Wi-Fi equipment and routers in public traffic areas, using bandwidth based on available unused internal fiber Ethernet capacity. In 2015 new Wi-Fi equipment was installed to provide segregation of public traffic and District internal use lines. Public use was established where bandwidth for such public traffic can be secured & limited to have relatively low impact on the internal business network, yet provide faster and more stable public access. Replacement will consider best of breed equipment, current industry standards and user needs.				
Project Internal Staff				
Information Technology – work with 3rd party to specify, procure, install & configure equipment. Internal IT to support ongoing utilization.				
Project Justification				
Public Wi-Fi is currently provided at Admin, Rec Center, Diamond Peak, the Beaches and the Chateau & Aspen Grove via a existing connections. Service has become a standard expectation for customers. It facilitates transactions and provides additional experience and access to media for both transaction support and casual use. Wi-Fi provides critical connectivity for operations where data lines are not practical. Future updates will consider other venues when connectivity is available.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Equipment Refresh/Reimplmentation	40,000	0	40,000	
Year Total	40,000	0	40,000	
2026				
Equipment Refresh/Reimplmentation	72,000	0	72,000	
Year Total	72,000	0	72,000	
2030				
Equipment Refresh/Reimplmentation	84,000	0	84,000	
Year Total	84,000	0	84,000	
2035				
Equipment Refresh/Reimplmentation	96,000	0	96,000	
Year Total	96,000	0	96,000	
	292,000	0	292,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2014			Director of IT	



Project Summary

Project Number: 1213CE1701
Title: District Communication Radios
Project Type: G - Equipment & Software
Division: 13 - Information Services
Budget Year: 2021
Finance Option:
Asset Type: CE - Communications Equipment
Active: Yes

Project Description				
Maintenance of a fleet of critical communication devices through 54 radios which are shared between venues and 25 radios that are assigned directly to venues year round. The system also requires maintaining 2 base stations.				
Project Internal Staff				
The IT Network Administrator deals with check in and check out between venues, coordinates annual maintenance of the radios with an outside vendor, and evaluates the care and condition of the radios over time.				
Project Justification				
As of 2016 34 of the radios are fairly new models. However the other 45 are a mix of older models that are anywhere from 10 to 20 years old. With technology changes as well as the need for compatibility, we should bring the entire group into a closer grouping of ages. The project works				
to make the best 15 replacements each of 3 successive years. After that time this project will consider the care and condition, along with functionality and compatibility to make necessary replacements. We can expect at least 5 years service life under normal use.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Best replacement of 15 radios	6,000	0	6,000	
Year Total	6,000	0	6,000	
2022				
Best replacement of 15 radios	10,000	0	10,000	
Year Total	10,000	0	10,000	
	16,000	0	16,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016	Jul 1, 2016	Jun 30, 2022	Network Administrator	



Project Summary

Project Number:	1213CE1901
Title:	Completion of analog Phone System upgrade to VoIP
Project Type:	G - Equipment & Software
Division:	13 - Information Services
Budget Year:	2021
Finance Option:	
Asset Type:	CE - Communications Equipment
Active:	Yes

Project Description
 Upgrade remaining Analog phones to Digital VoIP phones using the same system as Public Works and the Rec. Center. Pacific State Communication has been the selected vendor for these systems under regional governmental buying groups. Using the services of Pacific States Communication to acquire, configure and install all related hardware. Pac States Comm. will advise the Network Administrator of any required changes to the IP network and assist with setup if need be. Pac States Comm. will facilitate all aspects of implementation. This cost also includes an upgrade license to the current MiTel software to allow more users to connect.

Project Internal Staff
 Information technology staff

Project Justification
 Implementation of a complete unified VoIP system will allow collaboration and direct communication between district locations using the current IP network removing the need to pay for individual Analog phone service in many locations. VoIP is the standard for business phone systems. This system will allow the District to standardize its phone system throughout all venues. Installations at Ski and the Chateau complexes would be spread over two years to allow proper planning and off season implementation.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Ski VoIP Implementation	60,000	0	60,000
Year Total	60,000	0	60,000
2022			
Admin VoIP Implementation	36,000	0	36,000
Golf VoIP Implementation	30,000	0	30,000
Year Total	66,000	0	66,000
	126,000	0	126,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2019	Jul 15, 2019	Jun 30, 2021	Director of IT	



Project Summary

Project Number:	1213CO1505
Title:	Server Storage and Computing Hardware
Project Type:	G - Equipment & Software
Division:	13 - Information Services
Budget Year:	2021
Finance Option:	
Asset Type:	CO - Computer Equipment
Active:	Yes

Project Description			
During 2014-15 the District replaced substantially all of its networks servers, switches and ancillary support equipment. Various service lives will be experienced that are likely to extend beyond the technological useful life of this equipment. Only time will tell which will dictate a replacement, based on end of life or technological incompatibility. For the purposes of this project, timing will be set by expected service life.			
Project Internal Staff			
IT staff will conduct annual evaluations of the condition of equipment and the relationship of operating software and platforms to compatibility and effectiveness for how the systems are used and operated.			
Project Justification			
The District has committed to building and maintaining a redundant private cloud operation. Reliable equipment utilizing current technology and operating systems is a key feature to having IT networks that supports all operations 24/7/365.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
21 POE Swtiches	70,500	0	70,500
Admin Backbone Switch	14,600	0	14,600
PW Backbone Switch	6,700	0	6,700
Year Total	91,800	0	91,800
2022			
Admin Storage Net App	46,000	0	46,000
PW Storage Net App	46,000	0	46,000
Year Total	92,000	0	92,000
2025			
Nutanix Server Hardware Cluster, HyperVisor Licensing, & 5Yr Support Agreement for Admin	110,000	0	110,000
Nutanix Server Hardware Cluster, HyperVisor Licensing, & 5Yr Support Agreement for PW	110,000	0	110,000
Year Total	220,000	0	220,000
2026			
21 POE Swtiches	79,000	0	79,000
Admin Backbone Switch	16,300	0	16,300

PW Backbone Switch	7,500	0	7,500
Year Total	102,800	0	102,800
2029			
Admin Storage Net App	55,600	0	55,600
PW Storage Net App	55,600	0	55,600
Year Total	111,200	0	111,200
2030			
Nutanix Server Hardware Cluster, HyperVisor Licensing, & 5Yr Support Agreement for Admin	110,000	0	110,000
Nutanix Server Hardware Cluster, HyperVisor Licensing, & 5Yr Support Agreement for PW	110,000	0	110,000
Year Total	220,000	0	220,000
2031			
21 POE Swtiches	99,000	0	99,000
Admin Backbone Switch	20,500	0	20,500
PW Backbone Switch	9,400	0	9,400
Year Total	128,900	0	128,900
2035			
21 POE Swtiches	111,000	0	111,000
Admin (2) Support Sever for the Cluster	45,500	0	45,500
Admin Backbone Switch	22,900	0	22,900
Admin Host Server for the Cluster	26,000	0	26,000
License SQL Server and Related CALS	50,000	0	50,000
PW (2) Support Server for the CLuster	28,000	0	28,000
PW Backbone Switch	10,600	0	10,600
PW Host Server for the Cluster	26,000	0	26,000
Year Total	320,000	0	320,000
	1,286,700	0	1,286,700

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015			Director of IT	



Project Summary

Project Number:	1213CO1703
Title:	District Wide PC, Laptops, Peripheral Equipment and Desk Top Printers
Project Type:	G - Equipment & Software
Division:	13 - Information Services
Budget Year:	2021
Finance Option:	
Asset Type:	CO - Computer Equipment
Active:	Yes

Project Description			
District wide, various offices and venue operations utilize approximately 200 personal computers, up to 50 laptops, at least 100 peripheral devices such as receipt printers and specialty screens and 50 desk top printers. The District supports user levels as super , basic and specialty profiles for computers and related devices. Printers for the most part are black ink for letter size images. Several do have additional features that are necessary for their particular programming such as tournaments and events. These printers were purchased expecting a use life of at least 5 years. Some may be longer depending on the nature of the volume for that venue. Maintenance of the comprehensive list of printers is under one agreement.			
Project Internal Staff			
The IT Technician will oversee the maintenance of these personal computers and peripheral devices, and the printers which includes the monitoring their care and condition for eventual replacement. The IT Network Administrator monitors the number of users and circumstances under which laptops and the printers are available on the network or dedicated to a user or program.			
Project Justification			
The approach to replacement is to evaluate the care and condition of each item, placed into the context of program needs. When devices are shared over seasons, we also consider the number of users sharing a device. Historically PC's and peripheral have been used for up to 10 years. We are considering the future to be 5 to 7 years driven mostly by compatibility to network operating systems. We have printers that are from 1 to 18 years in service. We will continue to utilize a printer as long as it can be supported by operating systems, security, and supplies. We will match capacity needs to device type and look for opportunities to convert multiple devices to "all-in-ones" to eliminate individual faxes and scanners. Each proposed replacement device will be based on industry comparisons for functionality and capacity as well as compatibility with the existing machines to maintain the benefits of scale and volume for the service and supply purchases. We have small, medium and large printer devices ranging in price at \$250, \$500 and \$900.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Hard drives and other component replacements	8,000	0	8,000
Laptops greatest need replacements	10,250	0	10,250
Peripheral Specialty Printers, Scanners and Screens	17,000	0	17,000
Personal computers and software greatest need replacements	57,000	0	57,000
Printers greatest need replacements	4,800	0	4,800
Year Total	97,050	0	97,050
2022			
Hard drives and other component replacements	8,000	0	8,000
Laptops greatest need replacements	10,500	0	10,500

Peripheral Specialty Printers, Scanners and Screens	17,500	0	17,500
Personal computers and software greatest need replacements	59,000	0	59,000
Printers greatest need replacements	5,000	0	5,000
Year Total	100,000	0	100,000
2023			
Hard drives and other component replacements	8,000	0	8,000
Laptops greatest need replacements	10,750	0	10,750
Peripheral Specialty Printers, Scanners and Screens	18,000	0	18,000
Personal computers and software greatest need replacements	61,000	0	61,000
Printers greatest need replacements	5,200	0	5,200
Year Total	102,950	0	102,950
2024			
Hard drives and other component replacements	8,000	0	8,000
Laptops greatest need replacements	11,000	0	11,000
Peripheral Specialty Printers, Scanners and Screens	18,500	0	18,500
Personal computers and software greatest need replacements	63,000	0	63,000
Printers greatest need replacements	5,400	0	5,400
Year Total	105,900	0	105,900
2025			
ADD HR Recruiting Laptop	1,100	0	1,100
Hard drives and other component replacements	8,000	0	8,000
Laptops greatest need replacements	11,250	0	11,250
Peripheral Specialty Printers, Scanners and Screens	19,000	0	19,000
Personal computers and software greatest need replacements	65,000	0	65,000
Printers greatest need replacements	5,600	0	5,600
Year Total	109,950	0	109,950

2026			
Hard drives and other component replacements	8,000	0	8,000
Laptops greatest need replacements	11,500	0	11,500
Peripheral Specialty Printers, Scanners and Screens	19,500	0	19,500
Personal computers and software greatest need replacements	67,000	0	67,000
Printers greatest need replacements	5,800	0	5,800
Year Total	<u>111,800</u>	<u>0</u>	<u>111,800</u>

2027			
Hard drives and other component replacements	8,000	0	8,000
Laptops greatest need replacements	11,750	0	11,750
Peripheral Specialty Printers, Scanners and Screens	20,000	0	20,000
Personal computers and software greatest need replacements	69,000	0	69,000
Printers greatest need replacements	6,000	0	6,000
Year Total	<u>114,750</u>	<u>0</u>	<u>114,750</u>

2028			
Hard drives and other component replacements	8,000	0	8,000
Laptops greatest need replacements	12,000	0	12,000
Peripheral Specialty Printers, Scanners and Screens	20,500	0	20,500
Personal computers and software greatest need replacements	71,000	0	71,000
Printers greatest need replacements	6,200	0	6,200
Year Total	<u>117,700</u>	<u>0</u>	<u>117,700</u>

2029			
Hard drives and other component replacements	8,000	0	8,000
Laptops greatest need replacements	12,250	0	12,250
Peripheral Specialty Printers, Scanners and Screens	21,000	0	21,000
Personal computers and software greatest need replacements	73,000	0	73,000

Printers greatest need replacements	6,400	0	6,400
Year Total	120,650	0	120,650
2030			
ADD HR Recruiting Laptop	1,300	0	1,300
Hard drives and other component replacements	8,000	0	8,000
Laptops greatest need replacements	12,500	0	12,500
Peripheral Specialty Printers, Scanners and Screens	21,500	0	21,500
Personal computers and software greatest need replacements	75,000	0	75,000
Printers greatest need replacements	6,600	0	6,600
Year Total	124,900	0	124,900
2031			
Hard drives and other component replacements	8,000	0	8,000
Laptops greatest need replacements	12,750	0	12,750
Peripheral Specialty Printers, Scanners and Screens	22,000	0	22,000
Personal computers and software greatest need replacements	78,000	0	78,000
Printers greatest need replacements	6,800	0	6,800
Year Total	127,550	0	127,550
	1,233,200	0	1,233,200

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016			IT Technician	



Project Summary

Project Number:	1213CO1803
Title:	Microsoft Office Licenses
Project Type:	G - Equipment & Software
Division:	13 - Information Services
Budget Year:	2021
Finance Option:	
Asset Type:	CO - Computer Equipment
Active:	Yes

Project Description				
Project Internal Staff				
Information Technology Staff – installation & support + investigation of training options				
Project Justification				
<p>As of 2016, the primary version of Microsoft Office in use is 2007. The current offering from Microsoft is version 2016, which represents three iterations of upgrades. Several select District users have been upgraded to version 2013 and a few for 2016 for compatibility requirements for vendor supplied software. In order to remain progressive and compatible with vendor requirements and collaboration with other agencies and organizations, it is necessary to upgrade to a new version of Microsoft Office. For the same compatibility reason, we will update Exchange and SQL as well.</p> <p>Deployment services will be considered for the installation on over 200 PC's in the District.</p> <p>We are eligible for acquiring our licenses under a Government Purchasing Program. Microsoft is moving in the direction of subscription based licensing for Office. Benefits of subscription include: multiple device licenses per user, upgrades included as they are available, streaming installation, streaming/online versions. Based on the District's current 6+ year upgrade cycle and current subscription based pricing, standard licensing is more cost-effective. It is anticipated that subscription based licensing will remain the standard offering from Microsoft in the future. We will seek to utilize it to the extent available. There is also a Assurance Service which allows users access to the most recent version of a product throughout its life cycle. The District will look to use this service as a way to stay compatible for as long as possible.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Microsoft Office Licenses	9,300	0	9,300	
Year Total	9,300	0	9,300	
2022				
Microsoft Office Licenses	9,600	0	9,600	
Year Total	9,600	0	9,600	
2026				
Microsoft Office Licenses	10,500	0	10,500	
Year Total	10,500	0	10,500	
2027				
Microsoft Office Licenses	10,800	0	10,800	
Year Total	10,800	0	10,800	
2028				
Microsoft Office Licenses	11,100	0	11,100	
Year Total	11,100	0	11,100	
	51,300	0	51,300	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2019			Director of IT	



Project Summary

Project Number:	1213CO1804
Title:	Windows Server Operating System
Project Type:	G - Equipment & Software
Division:	13 - Information Services
Budget Year:	2021
Finance Option:	
Asset Type:	CO - Computer Equipment
Active:	Yes

Project Description				
Project Internal Staff				
Information Technology Staff – installation & support + investigation of training options				
Project Justification				
<p>As of 2016, the primary version of Microsoft Office in use is 2007. The current offering from Microsoft is version 2016, which represents three iterations of upgrades. Several select District users have been upgraded to version 2013 and a few for 2016 for compatibility requirements for vendor supplied software. In order to remain progressive and compatible with vendor requirements and collaboration with other agencies and organizations, it is necessary to upgrade to a new version of Microsoft Office. For the same compatibility reason, we will update Exchange and SQL as well.</p> <p>Deployment services will be considered for the installation on over 200 PC's in the District.</p> <p>We are eligible for acquiring our licenses under a Government Purchasing Program. Microsoft is moving in the direction of subscription based licensing for Office. Benefits of subscription include: multiple device licenses per user, upgrades included as they are available, streaming installation, streaming/online versions. Based on the District's current 6+ year upgrade cycle and current subscription based pricing, standard licensing is more cost-effective. It is anticipated that subscription based licensing will remain the standard offering from Microsoft in the future. We will seek to utilize it to the extent available. There is also a Assurance Service which allows users access to the most recent version of a product throughout its life cycle. The District will look to use this service as a way to stay compatible for as long as possible.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Windows Server Operating System	14,000	0	14,000	
Year Total	14,000	0	14,000	
2026				
Windows Server Operating System	16,500	0	16,500	
Year Total	16,500	0	16,500	
2027				
Windows Server Operating System	16,500	0	16,500	
Year Total	16,500	0	16,500	
	47,000	0	47,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2019			Director of IT	



Project Summary

Project Number: 1213LV1721
Title: IS&T Pick-up Truck and Cargo Unit
Project Type: F - Rolling Stock
Division: 13 - Information Services
Budget Year: 2021
Finance Option:
Asset Type: LV - Light Duty Vehicles
Active: Yes

Project Description				
This project covers the replacement of IS&T Pick-up Truck. This vehicle provides capabilities to meet off-season service trips to Snow Flake Lodge for radio and wireless service. The current pick-up (Unit #467) a 1/2 ton pickup was transferred from the Treatment Division at Utilities and has a cargo unit that can handle quantities of cable and ladders. The cargo unit can be moved from truck to truck as it's service life exceeds that of the second assignment vehicles which will meet the needs of this application.				
Project Internal Staff				
Fleet and IS&T will collaborate in the procurement and set-up of this vehicle.				
Project Justification				
The scheduled replacement of this vehicle normally would be subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Given the needs for an ability to navigate more difficult terrain, this replacement is designed to utilize a second assignment vehicle transferred from Utilities. Depending on condition, the cargo unit will transferred to the new vehicle.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2023				
Second Assignment Vehicle and Cargo Unit	31,000	0	31,000	
Year Total	31,000	0	31,000	
2033				
Second Assignment Vehicle and Cargo Unit	34,000	0	34,000	
Year Total	34,000	0	34,000	
2043				
Second Assignment Vehicle and Cargo Unit	36,000	0	36,000	
Year Total	36,000	0	36,000	
	101,000	0	101,000	
Year Identified	Start Date	Est. Completion Date	Manager	
2012	Jul 1, 2012	Jul 1, 2013	Fleet Superintendent	
			Project Partner	



Project Summary

Project Number:	1099BD1501
Title:	Admin Roof Repairs
Project Type:	E - Capital Maintenance
Division:	99 - Gen Admin - General Gov.
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description					
The Admin Building roof is showing wear especially along the peak and some shaded south-facing slopes that traditionally hold snow. Shingles and membranes have been replaced in several areas. This project will extend the life of this asset.					
Project Internal Staff					
Buildings Staff will identify areas where repairs need to occur and solicit bids to complete the work. A licensed constructor will complete the repairs.					
Project Justification					
The maintenance is required to prevent future roof leaks.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2021					
Construction	10,000	0	10,000		
Internal Services	2,000	0	2,000		
Year Total	12,000	0	12,000		
	12,000	0	12,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2012	Jul 1, 2020	Aug 1, 2020	Buildings Superintendent		



Project Summary

Project Number:	1099BD1502
Title:	Upgrade Public Bathrooms at Administration for ADA Compliance
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - Gen Admin - General Gov.
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description					
<p>The publicly accessible bathrooms in the Administration Building are currently not ADA compliant. Bringing them up to code would require the hallway entrance to the bathrooms as well as the hallway be widened. Both bathroom doors and frames would also need to be replaced to meet present codes. Counter tops, sink hardware, toilets and urinals all would be upgraded and moved. The two existing stalls in the women's bathroom would be remodeled to become a single stall enclosure. The men's bathroom back wall would have to be demoed, reconfigured and moved into the kitchen to gain the extra space that codes require, additionally it would necessitate the re-plumbing and rewiring of the kitchen.</p>					
Project Internal Staff					
Buildings Staff will supervise and inspect					
Project Justification					
This project is to remodel the existing public bathroom facilities at Administration and upgrade them to meet Federal ADA regulations. This project will only be completed should the District continue to postpone a Replacement Administration Building Project.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2022					
Construction	54,500	0	54,500		
Contingency	7,500	0	7,500		
Design & Engineering	8,500	0	8,500		
Internal Services	3,400	0	3,400		
Permitting	1,100	0	1,100		
Year Total	75,000	0	75,000		
	75,000	0	75,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2012	Oct 1, 2021	Feb 1, 2022	Buildings Superintendent		



Project Summary

Project Number:	1099BD1701
Title:	Administration Services Building - Placeholder
Project Type:	B - Major Projects - Existing Facilities
Division:	99 - Gen Admin - General Gov.
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description					
The District Administration Services Building is the administrative offices of the District for the General Manager, Human Resources, Finance and Accounting, Risk Management, Information Technology, as well as general community support and customer service functions. Community activities include Homeowner Association meetings, local civic groups events, plus promoting community organization and supporting health and wellness.					
Project Internal Staff					
This project will be managed by internal staff based on Board and General Manager direction.					
Project Justification					
The current Administrative Services Building is one of the original structures built by the District. It is over 50 years old. The configuration over the years have changed and many spaces are not a good match to the operational needs of the divisions housed in the building. In particular the computer server room does not have the proper conditions for operating and securing the substantial investment for District electronics. The Americans with Disabilities Act audit concluded the facility does not meet all the current requirement for either the public or employees without accommodations. Accommodations are in place to stay in compliance. Previous efforts have looked at new construction or leasing existing office space. It is expected that a similar decision process will be used in future analyses.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2023					
Design	125,000	0	125,000		
Internal Services	25,000	0	25,000		
Year Total	150,000	0	150,000		
2024					
Construction	3,200,000	0	3,200,000		
Year Total	3,200,000	0	3,200,000		
	3,350,000	0	3,350,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2013	Jul 1, 2022	Jun 30, 2024	Engineering Manager		



Project Summary

Project Number:	1099LI1705
Title:	Pavement Maintenance - Administration Building
Project Type:	E - Capital Maintenance
Division:	99 - Gen Admin - General Gov.
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description				
Continued maintenance and repair of the Administration Building Parking Lot. This area includes approximately 33,000 sf of pavement. Engineering maintains a database of this and other facilities for pavement conditions, past projects and forecasts long-term maintenance and replacement needs.				
Project Internal Staff				
Engineering to perform design, bid, contract administration and inspection tasks. Work to be done by outside contractor.				
Project Justification				
Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerates deterioration. The Administration Building parking lot is past its expected life and is showing signs of pavement failure. Due to the uncertainty of the future of the Administration Building only minimal repairs are budgeted for safety purposes. Due the poor condition frequent repairs are anticipated. Repairs have been needed annually since 2015 mainly due to winter damage.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Safety Repairs	5,000	0	5,000	
Year Total	5,000	0	5,000	
2022				
Safety Repairs	5,000	0	5,000	
Year Total	5,000	0	5,000	
2023				
Safety Repairs	5,000	0	5,000	
Year Total	5,000	0	5,000	
2024				
Safety Repairs	5,000	0	5,000	
Year Total	5,000	0	5,000	
2025				
Safety Repairs	5,000	0	5,000	
Year Total	5,000	0	5,000	
2026				
Safety Repairs	5,000	0	5,000	
Year Total	5,000	0	5,000	
2027				
Safety Repairs	5,000	0	5,000	
Year Total	5,000	0	5,000	
	35,000	0	35,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016	Jul 1, 2019	Jun 30, 2020	Senior Engineer	



Project Summary

Project Number:	1099OE1401
Title:	Admin Printer Copier Replacement - 893 Southwood Administration Building
Project Type:	G - Equipment & Software
Division:	99 - Gen Admin - General Gov.
Budget Year:	2021
Finance Option:	
Asset Type:	OE - Office Equipment
Active:	Yes

Project Description				
Replacement of the large color/black copier located at IVGID's Administration Building. It provides processing for all Executive and Board of Trustees items. It is used for color copying for Community Communications, HR and Accounting. It provides color copying for other venues that do not have this capacity. This copier should be replaced every four to five years which is the industry standard. On average the cost of ownership increases after the fifth year as a result of increased maintenance fees. This CIP is for the cost of the copier only and does not include monthly maintenance charges, which is part of the District's comprehensive maintenance plan.				
Project Internal Staff				
The District Executive Assistant oversees the purchase and routine maintenance for this copier/printer. IT manages the District contract maintenance program.				
Project Justification				
The current volume copied/printed on this device averages around 40,000 a month with most of the volume being for Board of Trustees agendas and minutes. The Xerox WorkCentre was replaced in fiscal year 2017-2018. Life cycle is 2,000,000 images. The current Xerox C70 was put into service December 2017. Proposed new copier- will be based on industry comparisons for functionality and capacity considering the best pricing we can get from state and local contracts.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
	32,500	0	32,500	
Year Total	32,500	0	32,500	
2027				
	35,000	0	35,000	
Year Total	35,000	0	35,000	
2032				
	37,500	0	37,500	
Year Total	37,500	0	37,500	
2037				
	40,000	0	40,000	
Year Total	40,000	0	40,000	
2042				
	42,500	0	42,500	
Year Total	42,500	0	42,500	
	187,500	0	187,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2022	Jul 31, 2022	District Clerk	



5 Year Capital Improvement Plan Summary Utilities

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
Utilities									
Public Works Shared	2097BD1202	Paint Interior Building #A	Buildings Superintendent	-	49,000	-	-	-	49,000
	2097BD1204	New Carpet Building #A	Buildings Superintendent	-	47,000	-	-	-	47,000
	2097BD1702	Replace Public Works Front Security Gate	Buildings Superintendent	-	-	-	-	79,320	79,320
	2097BD1704	Replace Roof Public Works #B	Buildings Superintendent	-	105,000	-	-	-	105,000
	2097BD2001	Arc Flash Study - Utilities	Director of Public Works	60,000	-	-	-	-	60,000
	2097CO2101	Public Works Billing Software Replacement	Public Works Administrative Manager	10,000	100,000	100,000	50,000	-	260,000
	2097DI1401	Adjust Utility Facilities in NDOT/Washoe County Right of Way	Senior Engineer	25,000	180,000	60,000	60,000	60,000	385,000
	2097DI1701	Water Reservoir Safety and Security Improvements	Engineering Manager	200,000	-	-	-	-	200,000
	2097HE1725	Loader Tire Chains	Fleet Superintendent	-	20,000	-	-	-	20,000
	2097HE1729	2002 Caterpillar 950G Loader #523	Fleet Superintendent	-	265,000	-	-	-	265,000
	2097HE1730	2002 Caterpillar 950G Loader #525	Fleet Superintendent	-	-	270,000	-	-	270,000
	2097HE1750	1997 Forklift #315	Fleet Superintendent	-	-	-	36,000	-	36,000
	2097HE1751	2013 Trackless Snowblower #687	Fleet Superintendent	-	-	175,000	-	-	175,000
	2097HE1752	2001 105KW Mobile Generator #313	Fleet Superintendent	-	-	50,000	-	-	50,000
	2097HV1755	2001 Peterbilt Bin Truck #468	Fleet Superintendent	-	190,000	-	-	-	190,000
	2097LE1720	Snowplow #300A	Fleet Superintendent	-	18,000	-	-	-	18,000
	2097LE1721	Snowplow #307A	Fleet Superintendent	-	-	18,000	-	-	18,000
	2097LE1722	Slurry Liquidator #326	Fleet Superintendent	-	41,000	-	-	-	41,000
	2097LE1724	2019 Sander/Spreader #808	Fleet Superintendent	-	-	-	-	10,000	10,000
	2097LE1727	2012 Snowplow #669B	Fleet Superintendent	-	-	-	-	72,000	72,000
	2097LI1401	Pavement Maintenance, Utility Facilities	Senior Engineer	-	247,500	90,000	12,500	260,000	610,000
	2097LI1701	Pavement Maintenance, Reservoir 3-1 WPS 4-2/5-1	Senior Engineer	-	220,000	-	-	-	220,000
	2097LV1710	2013 Chevy Equinox	Fleet Superintendent	-	-	-	37,000	-	37,000
	2097LV1734	2013 1/2 Ton Pick-Up #677 Treatment	Fleet Superintendent	-	-	-	37,000	-	37,000
	2097LV1735	2003 GMC 3/4-Ton Pick-up #702	Fleet Superintendent	-	-	-	-	34,000	34,000
	2097LV1736	2005 Chevy 1/2-Ton Pick-up #553	Fleet Superintendent	-	32,000	-	-	-	32,000
	2097LV1738	2009 Chevrolet 1/2 Ton Pick-up Truck #631	Fleet Superintendent	-	30,000	-	-	-	30,000
	2097LV1739	2009 Chevrolet 1/2 Ton Pick-up Truck #632 Engineering Dept.	Fleet Superintendent	-	32,000	-	-	-	32,000
	2097LV1740	2012 Extend-A-Cab Pick-up #678 Pipeline Dept.	Fleet Superintendent	-	-	32,000	-	-	32,000
	2097LV1741	2004 3/4-Ton Service Truck w/liftgate & crane #703	Fleet Superintendent	-	-	-	-	58,000	58,000
	2097LV1743	2013 1-Ton Flatbed #679 Pipeline Dept.	Fleet Superintendent	-	-	-	44,000	-	44,000



5 Year Capital Improvement Plan Summary Utilities

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
	2097LV1744	2012 1-Ton Service Truck w/ Liftgate #668 Treatment	Fleet Superintendent	-	-	43,000	-	-	43,000
	2097LV1745	2013 1-Ton Service Truck #680 Utilities Electrician	Fleet Superintendent	-	-	-	44,000	-	44,000
	2097LV1748	2008 Chevrolet Service Truck #680	Fleet Superintendent	-	-	45,000	-	-	45,000
	2097LV1749	2011 Chevrolet Service Truck #647 Treatment	Fleet Superintendent	45,000	-	-	-	-	45,000
	2097OE1205	Large Format Printer Replacement	Public Works Contract Administrator	-	-	-	29,000	-	29,000
	Total			340,000	1,576,500	883,000	349,500	573,320	3,722,320
Water	2299DI1102	Water Pumping Station Improvements	Engineering Manager	70,000	70,000	50,000	50,000	50,000	290,000
	2299DI1103	Replace Commercial Water Meters, Vaults and Lids	Collection/Distribution Supervisor	55,000	40,000	40,000	40,000	-	175,000
	2299DI1204	Water Reservoir Coatings and Site Improvements	Utility Maintenance Specialist	85,000	85,000	60,000	80,000	55,000	365,000
	2299DI1401	Burnt Cedar Water Disinfection Plant Improvements	Engineering Manager	25,000	55,000	25,000	25,000	150,000	280,000
	2299DI1702	Water Pump Station 2-1 Improvements	Engineering Manager	-	-	300,000	-	-	300,000
	2299DI2603	Residential meter and electronics replacement	Collection/Distribution Supervisor	-	-	-	150,000	250,000	400,000
	2299LV1720	2013 Mid Size Truck #630 Compliance	Fleet Superintendent	-	31,000	-	-	-	31,000
	2299WS1704	Watermain Replacement - Martis Peak Road vicinity	Senior Engineer	990,000	-	-	-	-	990,000
	2299WS1705	Watermain Replacement - Crystal Peak Road	Senior Engineer	-	50,000	986,000	-	-	1,036,000
	2299WS1706	Watermain Replacement - Slott Pk Ct	Senior Engineer	-	250,000	-	-	-	250,000
	2299WS1802	Watermain Replacement - Alder Avenue	Senior Engineer	-	-	50,000	535,000	-	585,000
	2299WS1803	Watermain Replacement - Future	Senior Engineer	-	-	-	50,000	600,000	650,000
	2299WS1804	R6-1 Tank Road Construction	Senior Engineer	-	125,000	-	-	-	125,000
	Total			1,225,000	706,000	1,511,000	930,000	1,105,000	5,477,000
Sewer	2523HE1723	2001 Sellick Forklift #499	Fleet Superintendent	-	-	-	65,000	-	65,000
	2523HV1721	2006 Kenworth T800 Bin truck #587	Fleet Superintendent	-	197,200	-	-	-	197,200
	2523LE1720	2018 Flail Mower #784	Fleet Superintendent	-	-	-	15,000	-	15,000
	2524HE1725	2008 Chevrolet Camera Truck #615	Fleet Superintendent	-	-	-	85,000	-	85,000
	2524SS1010	Effluent Pipeline Project	Engineering Manager	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
	2599BD1105	Building Upgrades Water Resource Recovery Facility	Utility Superintendent	80,000	40,000	30,000	50,000	275,000	475,000
	2599DI1104	Sewer Pumping Station Improvements	Engineering Manager	70,000	30,000	30,000	50,000	50,000	230,000
	2599DI1701	Sewer Pumping Station 14 Improvements	Engineering Manager	-	-	-	30,000	85,000	115,000
	2599DI1703	Sewer Pump Station #1 Improvements	Engineering Manager	650,000	-	-	-	-	650,000
	2599SS1102	Water Resource Recovery Facility Improvements	Utility Superintendent	125,000	75,000	100,000	175,000	475,000	950,000
	2599SS1103	Wetlands Effluent Disposal Facility Improvements	Utility Maintenance Specialist	16,500	183,500	100,000	100,000	-	400,000



5 Year Capital Improvement Plan Summary Utilities

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
	2599SS1203	Replace & Reline Sewer Mains, Manholes and Appurtenances	Senior Engineer	80,000	60,000	55,000	105,000	55,000	355,000
	2599SS1901	Wastewater Resource Recovery Facility (WRRF) Drainage Improvements	Senior Engineer	-	12,500	-	-	-	12,500
	2599SS2107	Update Camera Equipment	Collection/Distribution Supervisor	-	60,000	-	-	-	60,000
	Total			3,021,500	2,658,200	2,315,000	2,675,000	2,940,000	13,609,700
		Total Utilities		4,586,500	4,940,700	4,709,000	3,954,500	4,618,320	22,809,020



Project Summary

Project Number: 2097BD1202
Title: Paint Interior Building #A
Project Type: E - Capital Maintenance
Division: 97 - Public Works Shared
Budget Year: 2021
Finance Option:
Asset Type: BD - Buildings & Structures
Active: Yes

Project Description				
This project is the periodic painting at the Public Works Facility Building A. Touch up paint and repairs have been made to the interior walls of the Buildings to maintain the general appearance of the Facility. However, as more touch up is completed different shades of the same paint become visible due to age of the existing paint. A full interior painting is necessary for this building that sees heavy usage on all the floors. This project is on a 7-year cycle.				
Project Internal Staff				
Buildings Staff will supervise and inspect project				
Project Justification				
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the Public Works asset and support customer service. This project will be done in late 2020.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Contingency	4,000	0	4,000	
Internal Services	4,000	0	4,000	
Painting	41,000	0	41,000	
Year Total	49,000	0	49,000	
2030				
Contingency	6,200	0	6,200	
Internal Services	1,000	0	1,000	
Painting	49,000	0	49,000	
Year Total	56,200	0	56,200	
	105,200	0	105,200	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Oct 5, 2020	Mar 31, 2021	Buildings Superintendent	



Project Summary

Project Number: 2097BD1204
Title: New Carpet Building #A
Project Type: E - Capital Maintenance
Division: 97 - Public Works Shared
Budget Year: 2021
Finance Option:
Asset Type: BD - Buildings & Structures
Active: Yes

Project Description				
This project is the periodic carpet replacement in Public Works Building A. The normal life cycle for a high use venue is 5-8 years. The carpets is maintained on a regular basis which extends the life but wear spots as well as stains and permanent damage eventually necessitates replacement.				
Project Internal Staff				
Staff will supervise and inspect project. Staff will assist contractor in moving furniture to facilitate a smooth installation.				
Project Justification				
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the Public Works Building A asset and meet customer service. This proeject will be completed in last 2021.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Carpet	41,000	0	41,000	
Contingency	4,700	0	4,700	
Internal Services	1,300	0	1,300	
Year Total	47,000	0	47,000	
2028				
Carpet	43,200	0	43,200	
Contingency	5,300	0	5,300	
Internal Services	620	0	620	
Year Total	49,120	0	49,120	
	96,120	0	96,120	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Sep 6, 2021	Dec 31, 2021	Buildings Superintendent	



Project Summary

Project Number:	2097BD1702
Title:	Replace Public Works Front Security Gate
Project Type:	D - Capital Improvement - Existing Facilities
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
<p>The front security dropdown gate at the Public Works Department was installed in 2004. The gate is secured following normal business hours during the week and on the weekends. The gate is keypad protected and electrically powered and helps protect IVGID's externally stored assets. Normal aging through wear and tear, as well as weathering, have begun to affect the computer components and mechanical drives escalating repair costs and making replacement necessary before complete failure. The gate will be tied into the card swipe keyless entry system currently in use on all Public Works Facilities.</p>				
Project Internal Staff				
Buildings Maintenance Staff				
Project Justification				
<p>The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed to maintain the value of the Public Works asset and customer service.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Contingency	7,100	0	7,100	
Internal Services	620	0	620	
Replace Public Works Front Security Gate	71,600	0	71,600	
Year Total	79,320	0	79,320	
2033				
Contingency	7,800	0	7,800	
Internal Services	620	0	620	
Replace Public Works Front Security Gate	78,700	0	78,700	
Year Total	87,120	0	87,120	
	166,440	0	166,440	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016	Oct 1, 2025	Dec 31, 2025	Buildings Superintendent	



Project Summary

Project Number:	2097BD1704
Title:	Replace Roof Public Works #B
Project Type:	E - Capital Maintenance
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description			
Replace roof on Public Works Building B			
Project Internal Staff			
Staff will contract out the design, removal and construction of the replacement roof. Staff will inspect during the construction phase.			
Project Justification			
The roof on Building B has been patched and leaks and has been repaired numerous times over the past several years. The roof is approximately twenty five years old and is reaching its anticipated life expectancy. A new roof will extend the useful life of the building. This project will be completed in the fall of 2021.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Contingency	9,000	0	9,000
Internal Sevices	6,000	0	6,000
Replace Roof PW #B	90,000	0	90,000
Year Total	105,000	0	105,000
	105,000	0	105,000
Year Identified	Start Date	Est. Completion Date	Manager
2017	Jul 1, 2021	Dec 31, 2021	Buildings Superintendent
			Project Partner



Project Summary

Project Number:	2097BD2001
Title:	Arc Flash Study - Utilities
Project Type:	D - Capital Improvement - Existing Facilities
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
Evaluate the District's utility facilities to determine the hazards and risks in relation to electrical systems. The study results in arc flash equipment labeling, fault current, and coordination analysis, recommendations for improvements and requirements for proper personal protective equipment (PPE). A review and analysis of the facility's written electrical safety program may also be included.				
Project Internal Staff				
Project Justification				
OSHA requires employers to identify and protect their workers from workplace hazards including electrical systems. Additionally, the National Fire Protection Association has further requirements that require an arc flash study to protect employees or contract employees working on or operating electrical equipment.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Design and Construction	60,000	0	60,000	
Year Total	60,000	0	60,000	
	60,000	0	60,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2020			Director of Public Works	



Project Summary

Project Number:	2097CO2101
Title:	Public Works Billing Software Replacement
Project Type:	G - Equipment & Software
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	CO - Computer Equipment
Active:	Yes

Project Description

The District has used Data West billing software to bill 4,200 utility accounts since 1993. This software is mission critical for billing and customer service in Public Works. This project is for the scheduled replacement of the Public Works billing software. The billing software is used as a customer service interface for billing, backflow and meter reading information. It also provides online customer access to account information and enables ebill/epay functionality for customers. Customer information is also linked to the GIS system so data can be viewed by District staff in the field.

Billing, Online Account Access and GIS software upgrades will need to include customization of reporting and automated processes, integration with meter reading software, integration with electronic deposit software, integration with statement processing, integration with GIS, integration with the asset management system, integration with District accounting system, and hiring temporary staff to assist with transition.

Project Internal Staff

Public Works Administrative Manager

Project Justification

The contract for the current billing system, BillMaster 6, has been in place since December 2002. The contract for WebShare (A.K.A. Online Account Access) has been in place since September 2013 and GIS services since October 2013. The contracts for each of these systems include a SystemCare maintenance agreement to keep up with changes in software functionality, but the software will need replacement to keep up with technology changes in the customer service and billing software functionality. Changes in meter technology could necessitate a change in billing software. It is expected that a full version software upgrade to Billmaster (date unknown) will require a capital outlay. This software will be moved in the CIP budget if indicators warrant change in the replacement schedule.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Public Works Billing Software	10,000	0	10,000
Year Total	10,000	0	10,000
2022			
Public Works Billing Software	100,000	0	100,000
Year Total	100,000	0	100,000
2023			
Public Works Billing Software	100,000	0	100,000
Year Total	100,000	0	100,000
2024			
Public Works Billing Software	50,000	0	50,000
Year Total	50,000	0	50,000
	260,000	0	260,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
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2016	Jul 1, 2020	Jun 30, 2024	Public Works Administrative Manager	
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Project Summary

Project Number:	2097DI1401
Title:	Adjust Utility Facilities in NDOT/Washoe County Right of Way
Project Type:	E - Capital Maintenance
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description

Adjust manholes and valve box covers in public streets in conjunction with Washoe County, RTC and Nevada Department of Transportation (NDOT) projects, including Environmental Improvement Projects (EIP). The scope of annual projects are not known until spring of each year and is based on the Washoe County Public Works, RTC and NDOT preliminary estimates of work. In addition to the valves and manholes within Washoe County's project limits, IVGID will adjust some of the miscellaneous valves and manholes that are out of specifications if discovered. On occasion, NDOT and County projects can require utility relocation of a scope beyond simply adjusting manholes and valve box covers. The budget provided in this data sheet will also be utilized to cover the design costs associated with utility relocation on such projects.

Project Internal Staff

Engineering will do the contract administration, bidding, and inspection. Work is done by outside contractors.

Project Justification

As a requirement of our use of public rights-of-way for Utility improvements the District must adjust our structures to comply with the requirements of public infrastructure projects. Washoe County's CIP includes money for road and EIP work in Incline Village and Crystal Bay generally every year. In May 2021 Washoe Co. is expected to begin work on their Lower Wood Creek EIP likely affecting IVGID utilities. In 2021 NDOT anticipates extensive work along both SR28 and Mount Rose Highway. In prior years, the District has spent between \$30,000 and \$70,000 each year to complete this work. Certain projects can include complete relocation of sewer and water mains to avoid conflict with the infrastructure to be installed by the County or NDOT.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Internal Services	10,000	0	10,000
Raise Manholes & Valve Boxes	15,000	0	15,000
Year Total	25,000	0	25,000
2022			
Internal Services	10,000	0	10,000
NDOT projects	60,000	0	60,000
Raise Manholes & Valve Boxes	15,000	0	15,000
Washoe County projects	95,000	0	95,000
Year Total	180,000	0	180,000
2023			
Internal Services	10,000	0	10,000
Raise Manholes & Valve Boxes	15,000	0	15,000
Washoe County projects	35,000	0	35,000
Year Total	60,000	0	60,000

2024			
Internal Services	10,000	0	10,000
Raise Manholes & Valve Boxes	15,000	0	15,000
Washoe County projects	35,000	0	35,000
Year Total	60,000	0	60,000
2025			
Internal Services	10,000	0	10,000
Raise Manholes & Valve Boxes	15,000	0	15,000
Washoe County projects	35,000	0	35,000
Year Total	60,000	0	60,000
2026			
Internal Services	10,000	0	10,000
Raise Manholes & Valve Boxes	15,000	0	15,000
Washoe County projects	35,000	0	35,000
Year Total	60,000	0	60,000
2027			
Internal Services	10,000	0	10,000
Raise Manholes & Valve Boxes	15,000	0	15,000
Washoe County projects	35,000	0	35,000
Year Total	60,000	0	60,000
2028			
Internal Services	10,000	0	10,000
Raise Manholes & Valve Boxes	15,000	0	15,000
Washoe County projects	35,000	0	35,000
Year Total	60,000	0	60,000
2029			
Internal Services	10,000	0	10,000
NDOT projects	100,000	0	100,000
Raise Manholes & Valve Boxes	5,000	0	5,000
Washoe County projects	100,000	0	100,000
Year Total	215,000	0	215,000
2030			
Internal Services	10,000	0	10,000
Raise Manholes & Valve Boxes	15,000	0	15,000
Washoe County projects	35,000	0	35,000
Year Total	60,000	0	60,000
2031			
Internal Services	10,000	0	10,000

Raise Manholes & Valve Boxes	15,000	0	15,000
Washoe County projects	35,000	0	35,000
Year Total	60,000	0	60,000
2032			
Internal Services	10,000	0	10,000
Raise Manholes & Valve Boxes	15,000	0	15,000
Washoe County projects	35,000	0	35,000
Year Total	60,000	0	60,000
2033			
Internal Services	10,000	0	10,000
Raise Manholes & Valve Boxes	15,000	0	15,000
Washoe County projects	35,000	0	35,000
Year Total	60,000	0	60,000
2034			
Internal Services	10,000	0	10,000
Washoe County projects	50,000	0	50,000
Year Total	60,000	0	60,000
2035			
Internal Services	10,000	0	10,000
Washoe County projects	50,000	0	50,000
Year Total	60,000	0	60,000
2036			
Internal Services	10,000	0	10,000
Washoe County projects	50,000	0	50,000
Year Total	60,000	0	60,000
	1,200,000	0	1,200,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Senior Engineer	



Project Summary

Project Number:	2097DI1701
Title:	Water Reservoir Safety and Security Improvements
Project Type:	D - Capital Improvement - Existing Facilities
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description

The District owns and maintains 13 potable water reservoirs in Incline Village and Crystal Bay to store clean potable water that supply the homes and businesses in the District. The District owns one effluent storage reservoir constructed in the same manner as the water reservoirs located at the WRRF. The majority of these reservoirs were constructed in the 1960's and 1970's, with the exception of reservoir 3A-1 construction in 1996. The reservoirs range in size from 173,000 gallons up to 1,000,000 gallons. The reservoirs are welded steel with various types of ladders and safety climbing apparatus. The ladders are provided to meet the Occupational Safety and Health Administration (OSHA) for exterior access to the roof area and the needs of District operations. The reservoirs need to be modified to meet the current safety standards. A total of twelve potable water and the one effluent reservoir need improvements. The fourteenth reservoir, R3A-1 is in acceptable condition

Project Internal Staff

Staff will manage the project with a design, bid, and build process.

Project Justification

When the reservoirs were constructed the ladders and climbing apparatus were built to current industry standards. The reservoir ladders and climbing apparatus have been modified over the years to meet the Homeland Security and OSHA standards. This project will upgrade the ladders, rails, fencing, and climbing apparatus to meet current Federal OSHA safety standards to protect IVGID employees required to climb the reservoirs. The reservoirs will also be assessed for proper security protections. This is a multi-year project. A contract has already been awarded for the completion of 10 potable water reservoirs in a previous budget cycle. These funds are for the construction contract for the three remaining reservoirs, 2 potable water and 1 effluent water reservoir. This project is in PW Shared since it will be funded by water and sewer funds.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Construction	200,000	0	200,000
Year Total	200,000	0	200,000
	200,000	0	200,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016	Jul 1, 2020	Jun 30, 2021	Engineering Manager	



Project Summary

Project Number:	2097HE1725
Title:	Loader Tire Chains
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description		2-sets of loader tire chains, utilized by the Public Works Cat 950G wheel loaders (#523, #525). These chains are necessary for the safe operation of the loaders during the winter snow removal season. These chains are on a 4-year replacement schedule.		
Project Internal Staff		Fleet Maintenance Staff		
Project Justification		These chains are necessary for the safe operation of the loaders during the winter snow removal season.		
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Loader Tire Chains (2-Sets)	20,000	0	20,000	
Year Total	20,000	0	20,000	
2026				
Loader Tire Chains (2-Sets)	20,700	0	20,700	
Year Total	20,700	0	20,700	
2030				
Loader Tire Chains (2-Sets)	21,600	0	21,600	
Year Total	21,600	0	21,600	
2034				
Loader Tire Chains (2-Sets)	22,000	0	22,000	
Year Total	22,000	0	22,000	
2038				
Loader Tire Chains (2-Sets)	22,500	0	22,500	
Year Total	22,500	0	22,500	
	106,800	0	106,800	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2023	Fleet Superintendent	



Project Summary

Project Number:	2097HE1729
Title:	2002 Caterpillar 950G Loader #523
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description				
This project is for the scheduled replacement of the Utility Division Cat 950G wheel loader. This loader is on a 13-year replacement cycle subject to equipment operating hours, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. The loader will be moved back in the CIP replacement program if indicators reveal no increased equipment down time or elevated maintenance cost will result by deferring the replacement date.				
Project Internal Staff				
Project Justification				
This loader, with snow plow, is critical to the winter operation of the Public Works Department for snow removal at all water reservoirs, sewer and water pump stations, Ski Resort, Recreation Center, Chateau and all golf facilities to protect revenue and provide safe access for customers, residents and staff. Additionally both Pipeline and Treatment Plants staff utilize this loader for summer maintenance and repairs required on the water distribution and waste water collection systems and the wetlands facility, for road and dike maintenance and repair.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Caterpillar Loader	265,000	0	265,000	
Year Total	265,000	0	265,000	
2032				
Caterpillar Loader	285,000	0	285,000	
Year Total	285,000	0	285,000	
	550,000	0	550,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2022	Fleet Superintendent	Municipal Lease Eligible



Project Summary

Project Number:	2097HE1730
Title:	2002 Caterpillar 950G Loader #525
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description				
This project is for the scheduled replacement of the Utility Division Cat 950G wheel loader. This loader is on a 13-year replacement cycle subject to equipment operating hours, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. The loader will be moved back in the CIP replacement program if indicators reveal no increased equipment down time or elevated maintenance cost will result by deferring the replacement date.				
Project Internal Staff				
Project Justification				
This loader, with snow plow, is critical to the winter operation of the Public Works Department for snow removal at all water reservoirs, sewer and water pump stations, Ski Resort, Recreation Center, Chateau and all golf facilities to protect revenue and provide safe access for customers, residents and staff. Additionally both Pipeline and Treatment Plants staff utilize this loader for summer maintenance and repairs required on the water distribution and waste water collection systems and the wetlands facility, for road and dike maintenance and repair.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2023				
2002 Caterpillar 950G Loader	270,000	0	270,000	
Year Total	270,000	0	270,000	
2033				
2002 Caterpillar 950G Loader	285,000	0	285,000	
Year Total	285,000	0	285,000	
	555,000	0	555,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2019	Jul 1, 2023	Sep 30, 2023	Fleet Superintendent	Municipal Lease Eligible



Project Summary

Project Number:	2097HE1750
Title:	1997 Forklift #315
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description	<p>Replace forklift #315, utilized in the warehouse of the Public Works Department. This equipment may also be transported to other venues for unloading materials and supplies. Presently it is on a 15-year replacement program. Equipment replacement purchases will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.</p>
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Project Internal Staff	
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Project Justification	<p>This forklift is vital to the daily operation of the Public Works warehouse for unloading delivery trucks and loading IVGID trucks for transport of materials and supplies. This is the only equipment capable of maneuvering heavy loads in the tight space available in the warehouse. The scheduled replacement of this equipment is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Forklift will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2024			
Forklift #315	36,000	0	36,000
Year Total	36,000	0	36,000
2039			
Forklift #315	40,000	0	40,000
Year Total	40,000	0	40,000
	76,000	0	76,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2023	Feb 1, 2024	Fleet Superintendent	



Project Summary

Project Number: 2097HE1751
Title: 2013 Trackless Snowblower #687
Project Type: F - Rolling Stock
Division: 97 - Public Works Shared
Budget Year: 2021
Finance Option:
Asset Type: HE - Heavy Duty Service Equipment
Active: Yes

Project Description

Scheduled replacement of IVGID Public Works snow blower #687, by the Fleet Division. This equipment is necessary for blowing large accumulations of snow where smaller equipment is not able to handle the job. Specifically utilized to widen parking lots for increased parking capacity, roadways for safer operation and keeping water reservoir roads and sewer and water pump stations open for maintenance and repairs. Presently this is the only equipment the District owns that is able to access the tight areas, for snow removal, around the Chateau entrance. This snow blower is on a 8-year replacement schedule subject to accumulated hours, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Equipment will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates

Project Internal Staff

Project Justification

This is a vital piece of equipment for opening and maintaining roads and parking areas during and after large snow storms. The faster speed of this equipment type enables staff to access more areas in a shorter period of time, essential during heavy snow storms. Snow blowers are subject to extreme conditions and high stress loads during the entire time it's operated. This is a high maintenance piece of equipment, under constant repair throughout the season due to extreme vibration and frame stress cracks. It is essential to replace this equipment before major component failure, where repair costs may exceed the equipment value. The snow blower is on a 8-year replacement schedule, subject to accumulated hours, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Equipment will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2023			
Trackless Snowblower	175,000	0	175,000
Year Total	175,000	0	175,000
2031			
Trackless Snowblower	185,000	0	185,000
Year Total	185,000	0	185,000
2039			
Trackless Snowblower	195,000	0	195,000
Year Total	195,000	0	195,000
	555,000	0	555,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2022	Jun 30, 2023	Fleet Superintendent	



Project Summary

Project Number:	2097HE1752
Title:	2001 105KW Mobile Generator #313
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description					
<p>This emergency standby generator set, utilized by the Treatment Plant in case of extended power outages, supplies electricity to the larger water pump stations that don't have a permanent generator set located on site. Additionally this unit is utilized by the Lower Sweetwater shop for emergency standby power for maintaining the Public Works building requirements and to power the fuel pumps. Although this equipment is necessary to meet regulatory requirements it is seldom used. Typically the only usage of this equipment is by Fleet staff at normal scheduled maintenance intervals to insure proper operation. Due to low usage and the guarantee of parts availability for an extended period of time this unit is not currently budgeted for replacement. Life expectancy is 20-years from date of purchase, but will be moved back in the CIP when indicators dictate.</p>					
Project Internal Staff					
Project Justification					
See note above					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2023	50,000	0	50,000		
Year Total	50,000	0	50,000		
	50,000	0	50,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2012	Jul 1, 2022	Jun 30, 2023	Fleet Superintendent		



Project Summary

Project Number: 2097HV1755
Title: 2001 Peterbilt Bin Truck #468
Project Type: F - Rolling Stock
Division: 97 - Public Works Shared
Budget Year: 2021
Finance Option:
Asset Type: HV - Heavy Duty Vehicles
Active: Yes

Project Description

This project is for the scheduled replacement of vehicles, by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

This is the scheduled replacement of #468, Peterbilt dump truck, utilized by the Utility Division for hauling materials to and from water and sewer leak repairs, hauling waste materials out of the Tahoe basin and clean fill materials from the valley to the Sweetwater facility. This truck is also utilized in the maintenance of roads and dike repairs at the IVGID wetlands facility. Additionally utilized as a back-up vehicle for hauling treated sludge from the Waste Water Treatment Plant to the Bentley facility in Minden Nevada. This vehicle is critical to the daily operation of the Utility Division and will be 20-years old at its present scheduled replacement date. The replacement of this truck is subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2022			
Dump Truck	190,000	0	190,000
Year Total	190,000	0	190,000
2033			
Dump Truck	200,000	0	200,000
Year Total	200,000	0	200,000
	390,000	0	390,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2022	Fleet Superintendent	



Project Summary

Project Number:	2097LE1720
Title:	Snowplow #300A
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description	<p>Purchase replacement snow plow utilized in conjunction with Utility Division loaders for winter snow removal requirements around the entire District. The areas include Diamond Peak parking lots, Skiway, Recreation Center, Administration, Public Works facilities, Water and Sewer pump stations, water reservoir roads and etc. Loader snow plows are on a 10-year replacement schedule subject to overall condition. The plow will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring the replacement date.</p>
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Project Internal Staff	<p>Fleet Maintenance Staff will manage this project</p>
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Project Justification	<p>This snowplow is critical to the operation of the District during the winter months. Necessary for snow removal of parking lots at Diamond Peak, Ski Way roadway, Recreation Center, Main office and other District facilities. Considered vital for the protection of public health and safety and revenue for the recreation venues. The scheduled replacement of this equipment will be subject to accrued maintenance cost, visual inspection and overall condition. Plow will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Snowplow	18,000	0	18,000
Year Total	18,000	0	18,000
2032			
Snowplow	21,000	0	21,000
Year Total	21,000	0	21,000
	39,000	0	39,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Oct 31, 2021	Fleet Superintendent	



Project Summary

Project Number:	2097LE1721
Title:	Snowplow #307A
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description	<p>Purchase replacement snow plow utilized in conjunction with Utility Division loaders for winter snow removal requirements around the entire District. The areas include Diamond Peak parking lots, Skiway, Recreation Center, Administration, Public Works facilities, Water and Sewer pump stations, water reservoir roads and etc. Loader snow plows are on a 10-year replacement schedule subject to overall condition. The plow will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring the replacement date.</p>
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Project Internal Staff	
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Project Justification	<p>This snowplow is critical to the operation of the District during the winter months. Necessary for snow removal of parking lots at Diamond Peak, Ski Way roadway, Recreation Center, Main office and other District facilities. Considered vital for the protection of public health and safety and revenue for the recreation venues. The scheduled replacement of this equipment will be subject to accrued maintenance cost, visual inspection and overall condition. Plow will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2023			
Snowplow	18,000	0	18,000
Year Total	18,000	0	18,000
2034			
Snowplow	21,000	0	21,000
Year Total	21,000	0	21,000
	39,000	0	39,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2022	Nov 30, 2022	Fleet Superintendent	



Project Summary

Project Number: 2097LE1722
Title: Slurry Liquidator #326
Project Type: F - Rolling Stock
Division: 97 - Public Works Shared
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description				
This project is for the scheduled replacement of a vacuum system, #326 Slurry liquidator, by the Fleet Division for the Public Works Department. This equipment is utilized by the Pipeline Division during the summer maintenance season for vacuuming out and cleaning water system vaults and water meter boxes. Presently it is on a 10-year replacement program, but will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This vacuum system is utilized during the summer water and sewer system maintenance program. Specifically utilized by the Pipeline maintenance crews for vacuuming out water meter boxes, PRV station vaults and valve boxes to facilitate scheduled maintenance and/or repairs. Replacement of the equipment is subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Equipment will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Slurry Liquidator	41,000	0	41,000	
Year Total	41,000	0	41,000	
2033				
Slurry Liquidator	49,000	0	49,000	
Year Total	49,000	0	49,000	
	90,000	0	90,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Nov 30, 2021	Fleet Superintendent	



Project Summary

Project Number:	2097LE1724
Title:	2019 Sander/Spreader #808
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description	<p>This project is for the scheduled replacement of sander/spreader #808, by the Fleet Division for the Public Works Department. This sander is used extensively during winter months for sanding road and parking areas around the District where slippery conditions may exist. This equipment is mounted on the flatbed of utility truck #542 along with a snow plow mounted on front of the vehicle. This equipment combination is vital to the Utility Division snow removal program. The sander is on a 5-year replacement program subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. This project will also coincide with the replacement of truck #542 and include a plow to be fitted to the new truck. Equipment is moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.</p>
Project Internal Staff	<p>Fleet Maintenance Staff will manage this project</p>

Project Justification	<p>This equipment by virtue of the duty it performs is a high wear piece of equipment. Specifically designed to haul and spread sand and salt mixtures on the roads and parking areas around the District. The corrosive nature of the material utilized in this operation literally disintegrates the equipment. It is essential to maintain the established replacement scheduled identified by Fleet staff for the sanding unit.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2025			
Sander/Spreader	10,000	0	10,000
Year Total	10,000	0	10,000
2030			
Sander/Spreader	12,000	0	12,000
Year Total	12,000	0	12,000
2035			
Sander/Spreader	15,000	0	15,000
Year Total	15,000	0	15,000
2040			
Sander/Spreader	18,000	0	18,000
Year Total	18,000	0	18,000
2045			
Sander/Spreader	18,000	0	18,000
Year Total	18,000	0	18,000
	73,000	0	73,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
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2012	Jul 1, 2019	Nov 30, 2019	Fleet Superintendent	
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Project Summary

Project Number:	2097LE1727
Title:	2012 Snowplow #669B
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description					
This is the scheduled replacement date for one of the Public Works snow plows. This equipment is attached to vehicle #669 (1-ton flatbed truck) and utilized by the Treatment Plant for snow removal around the plant and water and sewer pump stations. Presently it is on a 5-year replacement schedule subject to accrued maintenance cost, visual inspection and overall condition.					
Project Internal Staff					
Fleet Maintenance Staff will manage this project					
Project Justification					
This snow plow is critical equipment for access to and around the Treatment Plant and outlying areas. The replacement of this plow is subject to accrued maintenance cost, visual inspection and overall condition and will be moved back in the CIP program if it is determined that no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2025					
Snowplow	72,000	0	72,000		
Year Total	72,000	0	72,000		
2032					
Snowplow	8,000	0	8,000		
Year Total	8,000	0	8,000		
2039					
Snowplow	9,000	0	9,000		
Year Total	9,000	0	9,000		
	89,000	0	89,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2013	Jul 1, 2024	Oct 31, 2024	Fleet Superintendent		



Project Summary

Project Number:	2097LI1401
Title:	Pavement Maintenance, Utility Facilities
Project Type:	E - Capital Maintenance
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	Lease Eligible
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description

This project is for the continued maintenance and repair of pavement assets at all Utility facilities. Facilities include sewer and water pumping stations, reservoirs, Wastewater Treatment Plant and Public Works Facility. There are 19 utility sites with a combined total of 231,000 square feet of coverage. Public Works staff maintains a database of these and other facilities for pavement conditions, past projects and forecasts long-term maintenance needs. Public Works staff performs annual inspections of all sites. Life of maintenance measures varies: New pavement has a typical lifespan of 15 -20 years, Overlay 5-10 years, Slurry Seal can last 3-6 years and crack fill 1-3 years all dependent on the degree of use and severity of weather and snow removal.

Project Internal Staff

Public Works staff will perform design, bid, contract administration, and related inspection tasks. Work will be performed by outside contractors.

Project Justification

Regular preventative maintenance of pavement significantly increases the life of the asset and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate pavement deterioration. By sealing the cracks and sealing the surface it extends the life of the pavement and protects the structure below. A baseline of annual funds are budgeted due to the overall age of most facilities and the possibility of unforeseen winter damage.

Most sites were slurry sealed in 2015 and planned again for 2021. The upper lot at Public works is 15 years old and showing signs of distress and in need of extensive repairs. SPS-8 work in 2021 will correct drainage problems in conjunction with NDOT's highway repaving project The driveway to R3-1 WPS 4-2/5-1 has a separate CIP for a planned project. Burnt Cedar WDP should be sealed in conjunction with the Beach parking lot seal planned in 2023.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Concrete Pad Resurface and Repair at WRRF	15,000	0	15,000
Crack fill and slurry remote sites	100,000	0	100,000
Internal Services	12,500	0	12,500
Miscellaneous repairs	10,000	0	10,000
Public Works upper lot repairs	60,000	0	60,000
SPS 8 pavement, drains and waterline	50,000	0	50,000
Year Total	247,500	0	247,500
2023			
Internal Services	5,000	0	5,000
Miscellaneous repairs	10,000	0	10,000
slurry seal Burnt Cedar WDP	10,000	0	10,000
slurry seal lower PW lot	30,000	0	30,000

slurry seal Sweetwater Rd	15,000	0	15,000
slurry seal WRRF	20,000	0	20,000
Year Total	90,000	0	90,000
2024			
Internal Services	2,500	0	2,500
Miscellaneous repairs	10,000	0	10,000
Year Total	12,500	0	12,500
2025			
Internal Services	10,000	0	10,000
Reconstruct Utility Facilities	250,000	0	250,000
Year Total	260,000	0	260,000
2026			
Crack fill and slurry remote sites	250,000	0	250,000
Internal Services	10,000	0	10,000
Year Total	260,000	0	260,000
2027			
Internal Services	2,500	0	2,500
Miscellaneous repairs	10,000	0	10,000
Year Total	12,500	0	12,500
2028			
Internal Services	2,500	0	2,500
Miscellaneous repairs	10,000	0	10,000
slurry seal Burnt Cedar WDP	10,000	0	10,000
slurry seal lower PW lot	30,000	0	30,000
slurry seal Sweetwater Rd	15,000	0	15,000
Year Total	67,500	0	67,500
2029			
Internal Services	2,500	0	2,500
Miscellaneous repairs	10,000	0	10,000
Year Total	12,500	0	12,500
2030			
Internal Services	10,000	0	10,000
Reconstruct Utility Facilities	300,000	0	300,000
Year Total	310,000	0	310,000
2031			
Crack fill and slurry remote sites	300,000	0	300,000
Internal Services	10,000	0	10,000
Year Total	310,000	0	310,000
2032			
Internal Services	2,500	0	2,500

Miscellaneous repairs	10,000	0	10,000
Year Total	12,500	0	12,500
2033			
Internal Services	2,500	0	2,500
Miscellaneous repairs	10,000	0	10,000
slurry seal Burnt Cedar WDP	10,000	0	10,000
slurry seal lower PW lot	30,000	0	30,000
slurry seal Sweetwater Rd	15,000	0	15,000
slurry seal WRRF	20,000	0	20,000
Year Total	87,500	0	87,500
2034			
Internal Services	2,500	0	2,500
Miscellaneous repairs	10,000	0	10,000
Year Total	12,500	0	12,500
2035			
Internal Services	10,000	0	10,000
Reconstruct Utility Facilities	300,000	0	300,000
Year Total	310,000	0	310,000
2036			
Crack fill and slurry remote sites	300,000	0	300,000
Internal Services	10,000	0	10,000
Year Total	310,000	0	310,000
2038			
slurry seal Burnt Cedar WDP	10,000	0	10,000
slurry seal Sweetwater Rd	15,000	0	15,000
slurry seal WRRF	20,000	0	20,000
Year Total	45,000	0	45,000
	2,360,000	0	2,360,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Senior Engineer	Testing



Project Summary

Project Number:	2097LI1701
Title:	Pavement Maintenance, Reservoir 3-1 WPS 4-2/5-1
Project Type:	E - Capital Maintenance
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description					
This project is for partial replacement of the existing failing roadway and retaining wall to Reservoir 3-1 and also servicing Water Pump Station 4-2/5-1.					
Project Internal Staff					
Public Works staff will manage design, bid and contract administration. Engineering services and Materials Testing by outside consultant. Construction by outside contractor					
Project Justification					
Roadway pavement is alligatored and deteriorating rapidly. It is beyond its repairable life and needs full replacement. Total improved area is approx 2400 sf of pavement and 340 lf of retaining wall. Due to elevation and slope the road sees extreme snow removal and heavy wear. Lumos & Associates 2019 evaluation for this site was fair to poor condition.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2022					
Construction Inspection and Testing	10,000	0	10,000		
Engineering Consultant	20,000	0	20,000		
Internal Services	15,000	0	15,000		
Retaining wall replacement	150,000	0	150,000		
Roadway section replacement	25,000	0	25,000		
Year Total	220,000	0	220,000		
	220,000	0	220,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2017	Jul 1, 2020	Jun 30, 2022	Senior Engineer		



Project Summary

Project Number:	2097LV1710
Title:	2013 Chevy Equinox
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description					
This project is for the replacement of the Engineering Division vehicle. The vehicle is utilized Engineering Staff to support project delivery, construction inspection, construction management, and other Division responsibilities. The vehicle also serves as a pool vehicle for the larger Public Works Department for errand running, trips to Carson and Reno, as well as to support regional travel for training and conferences. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection, and overall condition.					
Project Internal Staff					
Fleet Maintenance Staff will manage this project					
Project Justification					
This purchase is subject to accumulated hours, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Equipment will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2024					
Engineering Division Vehicle	37,000	0	37,000		
Year Total	37,000	0	37,000		
2034					
Engineering Division Vehicle	40,000	0	40,000		
Year Total	40,000	0	40,000		
	77,000	0	77,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2017	Jul 1, 2023	Jun 30, 2024	Fleet Superintendent		



Project Summary

Project Number:	2097LV1734
Title:	2013 1/2 Ton Pick-Up #677 Treatment
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description					
This project is for the scheduled replacement of vehicles, by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.					
Project Internal Staff					
Fleet has identified that this 2001 vehicle can be transferred to the IT Department to become their new service vehicle, once it is fitted with a utility cargo unit.					
Project Justification					
This pick-up truck is operated by the Treatment Plant Division of the Public Works Department. Specifically utilized in the daily maintenance and repair activity of the Water Treatment Plant facility. Presently this vehicle is on a 12-year replacement schedule with an estimated mileage, at that time, of 70,000 miles. The replacement of this vehicle is subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicle will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2024					
1/2 Ton Pick-Up	37,000	0	37,000		
Year Total	37,000	0	37,000		
2035					
1/2 Ton Pick-Up	40,000	0	40,000		
Year Total	40,000	0	40,000		
	77,000	0	77,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2013	Jul 1, 2023	Jun 30, 2024	Fleet Superintendent		



Project Summary

Project Number: 2097LV1735
Title: 2003 GMC 3/4-Ton Pick-up #702
Project Type: F - Rolling Stock
Division: 97 - Public Works Shared
Budget Year: 2021
Finance Option:
Asset Type: LV - Light Duty Vehicles
Active: Yes

Project Description				
This project is for the scheduled replacement of vehicles, by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.				
Project Internal Staff				
Project Justification				
This pick-up truck is operated by the Treatment Plant Division of the Public Works Department. Specifically utilized in the operation of performing the daily rounds at the water and sewer pump and lift stations. Presently this vehicle is on a 10-year replacement schedule with an estimated mileage, at that time, of 97,000 miles. The replacement of this vehicle is subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicle will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
3/4-Ton Pick-up	34,000	0	34,000	
Year Total	34,000	0	34,000	
2035				
3/4-Ton Pick-up	40,000	0	40,000	
Year Total	40,000	0	40,000	
	74,000	0	74,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015	Jul 1, 2024	Jun 30, 2025	Fleet Superintendent	



Project Summary

Project Number:	2097LV1736
Title:	2005 Chevy 1/2-Ton Pick-up #553
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description	This project is for the scheduled replacement of vehicles, by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.
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Project Internal Staff	
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Project Justification	This pick-up truck is operated by the Pipeline Division of the Public Works Department. Specifically utilized daily by the Pipeline supervisor for conducting utility operations District wide. Presently this vehicle is on a 10-year replacement schedule with an estimated mileage, at that time, of 42,000 miles. The replacement of this vehicle is subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicle will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
1/2-Ton Pick-up	32,000	0	32,000
Year Total	32,000	0	32,000
2033			
1/2-Ton Pick-up	36,000	0	36,000
Year Total	36,000	0	36,000
	68,000	0	68,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2015	Jun 30, 2016	Fleet Superintendent	



Project Summary

Project Number:	2097LV1738
Title:	2009 Chevrolet 1/2 Ton Pick-up Truck #631
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description	This project is for the scheduled replacement of vehicles by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.
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Project Internal Staff	Fleet Maintenance Staff will manage this project
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Project Justification	This pick-up truck is operated by the Waste Not Division of the Public Works Department. Specifically utilized daily for the inspection of water and sewer projects, completed by independent contractors, District wide. Additionally utilized by compliance staff for the testing and repairs of water backflow devices in Incline Village and Crystal Bay. Presently this vehicle is on a 10-year replacement schedule subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicle will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.
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Forecast	
Budget Year	Total Expense Total Revenue Difference
2022	
1/2-Ton Pick-up	30,000 0 30,000
Year Total	30,000 0 30,000
2033	
1/2-Ton Pick-up	34,000 0 34,000
Year Total	34,000 0 34,000
	64,000 0 64,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Sep 1, 2021	Dec 31, 2021	Fleet Superintendent	



Project Summary

Project Number:	2097LV1739
Title:	2009 Chevrolet 1/2 Ton Pick-up Truck #632 Engineering Dept.
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description	This project is for the scheduled replacement of vehicles by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.
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Project Internal Staff	Fleet Maintenance Staff will manage this project
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Project Justification	This pick-up truck is operated by the Engineering Division of the Public Works Department. Specifically utilized daily for the inspection of water and sewer projects, completed by independent contractors, District wide. Presently this vehicle is on a 10-year replacement schedule subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicle will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.
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Forecast	
Budget Year	Total Expense Total Revenue Difference
2022	
1/2-Ton Pick-up	32,000 0 32,000
Year Total	32,000 0 32,000
2033	
1/2-Ton Pick-up	34,000 0 34,000
Year Total	34,000 0 34,000
	66,000 0 66,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2022	Fleet Superintendent	



Project Summary

Project Number:	2097LV1740
Title:	2012 Extend-A-Cab Pick-up #678 Pipeline Dept.
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description	This project is for the scheduled replacement of vehicles by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition.
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Project Internal Staff	
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Project Justification	This vehicle is utilized to perform the daily duties of the Utility Division Pipeline Crew and is the truck used after hours by the on call staff. This vehicle has been moved back in the CIP from a 10-year replacement date to an 11-year replacement date. This vehicle also may be transferred to another operating where critical response or down time is not an issue.
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2023			
Extend-A-Cab Pick-up	32,000	0	32,000
Year Total	32,000	0	32,000
2031			
Extend-A-Cab Pick-up	34,000	0	34,000
Year Total	34,000	0	34,000
	66,000	0	66,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	Jul 1, 2022	Dec 31, 2022	Fleet Superintendent	



Project Summary

Project Number:	2097LV1741
Title:	2004 3/4-Ton Service Truck w/liftgate & crane #703
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description	This project is for the scheduled replacement of vehicles, by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.
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Project Internal Staff	
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Project Justification	This 1-ton service truck is operated by the Pipeline Division of the Public Works Department. It is utilized by staff in the daily maintenance and repair of the water distribution and the waste water collection systems. This vehicle is also equipped with a liftgate and crane to meet the necessary job requirements. Service trucks typically serve double duty both as a transport vehicle and as a mobile tool box and work platform to facilitate repairs. At the present replacement schedule it will be 10-years old with approximately 55,000 miles. This vehicle replacement is subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.
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Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
2004 3/4-Ton Service Truck	58,000	0	58,000	
Year Total	58,000	0	58,000	
2035				
2004 3/4-Ton Service Truck	62,000	0	62,000	
Year Total	62,000	0	62,000	
	120,000	0	120,000	

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015	Jul 1, 2024	Jun 30, 2025	Fleet Superintendent	



Project Summary

Project Number: 2097LV1743
Title: 2013 1-Ton Flatbed #679 Pipeline Dept.
Project Type: F - Rolling Stock
Division: 97 - Public Works Shared
Budget Year: 2021
Finance Option:
Asset Type: LV - Light Duty Vehicles
Active: Yes

Project Description

This project is for the scheduled replacement of vehicles by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.

Project Internal Staff

Project Justification

This one-ton pick-up truck is operated by the Pipeline Division of the Public Works Department. Until recently it was utilized as the platform to carry the sewer video camera equipment. The video camper was replaced in 2008 with a video van. Since that time the usage of this vehicle, as a service truck, has increased significantly. Presently it is on a 14-year replacement schedule subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicle will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2024			
1-Ton Service Truck	44,000	0	44,000
Year Total	44,000	0	44,000
2034			
1-Ton Service Truck	48,000	0	48,000
Year Total	48,000	0	48,000
	92,000	0	92,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	Jul 1, 2023	Jun 30, 2024	Fleet Superintendent	



Project Summary

Project Number:	2097LV1744
Title:	2012 1-Ton Service Truck w/ Liftgate #668 Treatment
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description	This project is for the scheduled replacement of vehicles, by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition.
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Project Internal Staff	
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Project Justification	This 1-ton pick-up truck is operated by the Treatment Plant of the Public Works Department. It has seen hard use in its daily duties both in town and at the wetlands facility. Presently it is on an 11-year replacement schedule, with an estimated mileage at that time of 85,000 miles. The replacement of this truck is subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition.
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Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2023				
1-Ton Service Truck w/ liftgate	43,000	0	43,000	
Year Total	43,000	0	43,000	
2033				
1-Ton Service Truck w/ liftgate	46,000	0	46,000	
Year Total	46,000	0	46,000	
	89,000	0	89,000	

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	Jul 1, 2022	Jun 30, 2023	Fleet Superintendent	



Project Summary

Project Number: 2097LV1745
Title: 2013 1-Ton Service Truck #680 Utilities Electrician
Project Type: F - Rolling Stock
Division: 97 - Public Works Shared
Budget Year: 2021
Finance Option:
Asset Type: LV - Light Duty Vehicles
Active: Yes

Project Description				
This project is for the scheduled replacement of vehicles, by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.				
Project Internal Staff				
Project Justification				
This 1-ton service truck is operated by the Treatment Plant Division of the Public Works Department. It is utilized by staff in the daily maintenance and repair of equipment located at the water and sewer pump stations around the District. Service trucks typically serve double duty both as a transport vehicle and as a mobile tool box and work platform to facilitate repairs. At the present replacement schedule it will be 12-years old with approximately 68,000 miles. This vehicle replacement is subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
1-Ton Service Truck	44,000	0	44,000	
Year Total	44,000	0	44,000	
2034				
1-Ton Service Truck	48,000	0	48,000	
Year Total	48,000	0	48,000	
	92,000	0	92,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	Jul 1, 2023	Jun 30, 2024	Fleet Superintendent	



Project Summary

Project Number: 2097LV1748
Title: 2008 Chevrolet Service Truck #680
Project Type: F - Rolling Stock
Division: 97 - Public Works Shared
Budget Year: 2021
Finance Option:
Asset Type: LV - Light Duty Vehicles
Active: Yes

Project Description

This project is for the scheduled replacement of vehicles, by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

This 1-ton service truck is operated by the Treatment Plant Division of the Public Works Department. It is utilized by staff in the daily maintenance and repair of equipment located at the water and sewer pump stations around the District. Service trucks typically serve double duty both as a transport vehicle and as a mobile tool box and work platform to facilitate repairs. At the present replacement schedule it will be 10-years old. This vehicle replacement is subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates. This vehicle also may be transferred to another operating where critical response or down time is not an issue.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2023			
Service Truck	45,000	0	45,000
Year Total	45,000	0	45,000
2033			
Service Truck	50,000	0	50,000
Year Total	50,000	0	50,000
2043			
Service Truck	55,000	0	55,000
Year Total	55,000	0	55,000
	150,000	0	150,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2018	Jun 30, 2019	Fleet Superintendent	



Project Summary

Project Number:	2097LV1749
Title:	2011 Chevrolet Service Truck #647 Treatment
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description	This project is for the scheduled replacement of vehicles, by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.
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Project Internal Staff	Fleet Maintenance Staff will manage this project
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Project Justification	This 1-ton service truck is operated by the Treatment Plant Division of the Public Works Department. It is utilized by staff in the daily maintenance and repair of equipment located at the water and sewer pump stations around the District. Service trucks typically serve double duty both as a transport vehicle and as a mobile tool box and work platform to facilitate repairs. At the present replacement schedule it will be 10-years old. This vehicle replacement is subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates. This vehicle also may be transferred to another operating where critical response or down time is not an issue.
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Service Truck	45,000	0	45,000
Year Total	45,000	0	45,000
2031			
Service Truck	49,000	0	49,000
Year Total	49,000	0	49,000
	94,000	0	94,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Dec 31, 2020	Fleet Superintendent	



Project Summary

Project Number: 2097OE1205
Title: Large Format Printer Replacement
Project Type: G - Equipment & Software
Division: 97 - Public Works Shared
Budget Year: 2021
Finance Option:
Asset Type: OE - Office Equipment
Active: Yes

Project Description			
<p>Replace existing OCE 7055 copier with an OCE 320 printer/copier/scanner. This printer/copier is the only large format printer/copier in the District and is used to print and copy full size design drawings for CIP projects, as well as other miscellaneous jobs for District function. As of 12/28/2010 the OCE 7055 and the HP800 ps plotter have not had any large costs for repairs or need for any repairs. The dollars represent the current cost to replace either unit a new unit will do both plot, scan and copy. the OCE 7055 only copies black and white and the HP800ps is a color plotter only. The cost of \$23,000 would purchase an OCE 300 or HP T2300 that will plot, scan, copy in color or black and white</p>			
Project Internal Staff			
Project Justification			
Equipment replacement is due to copier being 11+ years old and nearing the end of service life.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2024			
Large Format Printer Replacement	29,000	0	29,000
Year Total	29,000	0	29,000
	29,000	0	29,000
Year Identified	Start Date	Est. Completion Date	Manager
2012	Feb 1, 2024	Jun 30, 2024	Public Works Contract Administrator
			Project Partner



Project Summary

Project Number:	2299DI1102
Title:	Water Pumping Station Improvements
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Water
Budget Year:	2021
Finance Option:	
Asset Type:	WS - Water System
Active:	Yes

Project Description				
The District owns thirteen water pumping stations in Incline Village and Crystal Bay to transport clean potable water to water reservoirs that supply the homes and businesses in the District. They were generally constructed between 1962 and 1975 with one exception of the new water pumping station 4-1 and 5-3 at Ski Way. The water pumping stations pumping capacity ranges from 75 gallons per minute to 6,000 gallons per minute. The water pumping stations are generally masonry block buildings with metal roofs that contain the mechanical and electrical equipment to pump water to the eight major pressure zones to serve the 8,000+ water customers. The equipment in each station includes pumps, motors, motor soft starts, variable frequency drives, telemetry equipment, motor control cabinets, automatic transfer switches, emergency generators, fuel tanks, surge anticipator valves, zone valves, isolation valves, instrumentation equipment, communication equipment, piping and other miscellaneous equipment. Our mission is to maintain the excellent condition and reliability of our aging infrastructure to provide safe potable water. Staff has identified the needed replacement of pumps, motors and soft starts at Water Pumping Stations 4-2 and 6-1.				
Project Internal Staff				
Staff involvement in the removal, procurement, and replacement of equipment with rebuilt or new equipment. Smaller projects will be completed by staff. Larger projects will be contracted out.				
Project Justification				
This project funds the annual replacement of equipment listed above at the water pumping stations. Staff performs inspections and maintenance on water pumping stations and plans future major upgrades as equipment reaches the end of its useful life. The age of the equipment, the number of hours of operation and other equipment analyses, such as vibration testing, dictate replacement or rehabilitation of the equipment to maintain this reliability to provide continuous service of potable water to our customers. The forecast contains staff's best projection of the work to be performed.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Pumps, motors, valves, and control rehabilitation	10,000	0	10,000	
WPS 6-1 Pump and Motor Replacement	60,000	0	60,000	
Year Total	70,000	0	70,000	
2022				
Pumps, motors, valves, and control rehabilitation	10,000	0	10,000	
WPS 4-2 Pump and Motor Replacement	60,000	0	60,000	
Year Total	70,000	0	70,000	
2023				
Pumps, motors, valves, and control rehabilitation	50,000	0	50,000	
Year Total	50,000	0	50,000	
2024				
Pumps, motors, valves, and control rehabilitation	50,000	0	50,000	
Year Total	50,000	0	50,000	
2025				
Pumps, motors, valves, and control rehabilitation	50,000	0	50,000	
Year Total	50,000	0	50,000	
	290,000	0	290,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Principal Engineer	



Project Summary

Project Number:	2299DI1103
Title:	Replace Commercial Water Meters, Vaults and Lids
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Water
Budget Year:	2021
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description				
The District owns and maintains 85 commercial water meters installed in heavy duty meter vaults and 26 pressure reducing valve stations. This project will continue the replacement of these commercial water meters and PRV vaults and or lids. Current useful life of a commercial meter is 20-50 years dependent on use, pressure and flows. Vault life can be approximately the same time period depending on location, traffic and the elements. These meters, vaults and lids have been put on our replacement list by priority but the list can change from year to year depending on the needs. These meters are in various configurations ranging in size from 4 to 10 inch. In coming years there will be continued replacement needed for meters, vaults and lids.				
Project Internal Staff				
Public Works staff will order and purchase the meters, vaults and lids, and bid and oversee the installations. Contractors will install the meters and replace vaults and lids.				
Project Justification				
Replacement of the commercial water meters will increase accuracy in meter reading and increase revenue. As meters age, they become less accurate and will measure water usage below actual, as is required by AWWA standards. Commercial water meters can last 20-50 years. Typically old meters are not worth repairing because parts are unavailable and newer meters meet the water demand profiles of our customers. Many meter vaults and lids are also in disrepair and need replacement for public and crew safety reasons and ease of accessibility for testing. This project allows for radio reading of all the commercial and residential meters combined. This project is programmed to replace the meter, vaults and lids using a just-in-time approach to maximize use prior to failure. In 2020-21, the District will be replacing all the large meter transponders from radio transponders to cellular transponders to improve data collection, enhance customer service and provide rel water usage tracking for these large revenue meters. Staff has received a quote of \$38,000 from Badger Meter for the materials. Staff would install during meter calibration and testing of these meters.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Transponder and Register Head Replacement	40,000	0	40,000	
Trimble Unit	10,000	0	10,000	
Vaults, structures and lids replacement	5,000	0	5,000	
Year Total	<u>55,000</u>	<u>0</u>	<u>55,000</u>	
2022				
Vaults, structures and lids replacement	40,000	0	40,000	
Year Total	<u>40,000</u>	<u>0</u>	<u>40,000</u>	
2023				
Vaults, structures and lids replacement	40,000	0	40,000	
Year Total	<u>40,000</u>	<u>0</u>	<u>40,000</u>	
2024				
Vaults, structures and lids replacement	40,000	0	40,000	
Year Total	<u>40,000</u>	<u>0</u>	<u>40,000</u>	
	175,000	0	175,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Collection/Distribution Supervisor	



Project Summary

Project Number:	2299DI1204
Title:	Water Reservoir Coatings and Site Improvements
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Water
Budget Year:	2021
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description				
The District owns 13 potable water reservoirs in Incline Village and Crystal Bay. The reservoirs (tanks) store from 170,000 to 1,000,000 gallons of water. Tank heights range from 20-50 feet and diameters range from 33-68 feet. The first reservoirs were constructed in 1962 with the last one built in 1996. The reservoirs are coated on the outside with a dark green weather resistant paint. These tanks need to be re-coated based on weathering of paint, graffiti and the overall appearance. The interiors are cleaned, video inspected every 5 years with the last inspection taking place in 2019. Typically the epoxy interior coating lasts 20-25 years. These tanks are built into the hillside in many cases with steep embankments and no retaining wall to keep the soil, rocks, etc. away from the tank. Periodically these sites need to be cleared of debris to protect the exterior coating and allow access around the structure for maintenance including painting.				
Project Internal Staff				
Public Works staff will perform design, bid, contract administration and inspection.				
Project Justification				
The 13 steel water storage reservoirs throughout the District need to be re-coated (internal and external) to extend their life expectancy. These tanks get pitted and rust from exposure to the elements. We patch paint over the exterior problem areas and any graffiti. In addition, these tanks need to look aesthetically pleasing because they are mostly located in residential areas. The schedule is based on need. The coating work is performed by an outside contractor. Site improvements will be prioritized as needed such as rock and debris removal. Spot coating repairs on the interior of tanks are also performed by dive companies specializing in that work.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Exterior recoating of R6C-1 and R2-1	85,000	0	85,000	
Year Total	85,000	0	85,000	
2022				
Exterior recoating R6-1 and R2-2	85,000	0	85,000	
Year Total	85,000	0	85,000	
2023				
Exterior recoating R2	60,000	0	60,000	
Year Total	60,000	0	60,000	
2024				
Exterior recoating of R5-3A and R5-3B	80,000	0	80,000	
Year Total	80,000	0	80,000	
2025				
Exterior Recoating of R3-A	55,000	0	55,000	
Year Total	55,000	0	55,000	
	365,000	0	365,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Utility Maintenance Specialist	



Project Summary

Project Number:	2299DI1401
Title:	Burnt Cedar Water Disinfection Plant Improvements
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Water
Budget Year:	2021
Finance Option:	
Asset Type:	WS - Water System
Active:	Yes

Project Description

The Burnt Cedar Water Disinfection Plant produces one billion gallons of potable drinking water for the 8000+ customers in Incline Village and Crystal Bay. The delivery of potable water to our customers is the most important mission of the Public Works Department. The two main federal water regulations that regulate the District's water system is the Surface Water Treatment Rule (SWTR 1989) and the Long Term 2 Enhanced Surface Water Treatment Rule (LT2 2006). The Plant contains raw water pumping, ozone system for disinfection for virus inactivation, the ultraviolet system for giardia and cryptosporidium inactivation, chlorine dosing for residual disinfection in the distribution, and treated water pumping. Associated with these processes are communication equipment, electrical equipment, instrumentation equipment, valving, standby electrical generation, chemical dosing, etc. The plant has been in existence since 1961 with the most recent major upgrade completed in 2012 to achieve compliance with LT2.

This project is to cover the on-going capital maintenance and replacement of the equipment and facilities at the water disinfection plant.

Project Internal Staff

Staff will oversee the design, bid and administer the construction.

Project Justification

This project is for on-going capital replacement of equipment and facilities at the water disinfection plant. This project also includes a possible extension of the water intake pipeline. EPA and State Regulations may require an extension of the raw water intake to the water plant where it is deeper and farther from the shore and creek mouths where it will be less influenced by disturbances from storms. This project also includes the potential abandonment of the old water intake line in Crystal Bay owned by IVGID since 1978. This project funds mechanical, electrical, civil, and control system improvements.

Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Electrical, Mechanical, and Pumping Improvements	15,000	0	15,000	
Sodium Hypochlorite and Captor Feed Pumps	10,000	0	10,000	
Year Total	25,000	0	25,000	
2022				
Electrical, Mechanical, and Pumping Improvements	25,000	0	25,000	
Removal of Washoe 1 Water Intake Line	30,000	0	30,000	
Year Total	55,000	0	55,000	
2023				
Electrical, Mechanical, and Pumping Improvements	25,000	0	25,000	
Year Total	25,000	0	25,000	
2024				
Electrical, Mechanical, and Pumping Improvements	25,000	0	25,000	
Year Total	25,000	0	25,000	
2025				
Water intake design	150,000	0	150,000	
Year Total	150,000	0	150,000	
2026				
Water intake construction	1,500,000	0	1,500,000	
Year Total	1,500,000	0	1,500,000	
	1,780,000	0	1,780,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2014	Jul 1, 2020	Jun 30, 2021	Engineering Manager	



Project Summary

Project Number:	2299DI1702
Title:	Water Pump Station 2-1 Improvements
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - General Administration - Water
Budget Year:	2021
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description				
Water Pump Station 2-1 (WPS 2-1) is located at the Burnt Cedar Water Disinfection Plant (BCWDP) and pumps the disinfected potable water into the water distribution system to serve Incline Village and Crystal Bay. There are four pumps located in the WPS. Three are rated at 2,200-gpm each and one is rated at 1,100-gpm. The maximum BCWDP capacity (water flow rate that can be disinfected and pumped) is 5,900-gpm (2 x 2,200-gpm and 1 x 1,100- gpm). This 5,900-gpm limit is set by regulatory permit, disinfection equipment capacities, and electrical service size. All four pumps are used year round in various combinations based on system demand.				
Project Internal Staff				
Public Works staff will manage design, bid and construction contract administration.				
Project Justification				
WPS 2-1 is designed to provide the necessary flows to meet system demand with the largest pump out of service. WPS 2-1 was constructed in 1972 with minor upgrades in 1995 and 2012. The electric motor control centers (MCCs) and switchgear at WPS 2-1 were fully replaced in 2020. Two of the 2,200-gpm vertical turbine pumps also date to the original 1972 installation and are approaching the end of their service lives (the remaining 2,200-gpm pump dates to 1995 and the 1,100-gpm pump dates to 2012). This project will replace the two remaining original 2,200-gpm pumps with new equipment. The first pump will be replaced in winter 2023.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2023				
Vertical Turbine Pump Replacement (two 2,200-gpm pumps)	300,000	0	300,000	
Year Total	300,000	0	300,000	
	300,000	0	300,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017	Jan 2, 2023	Mar 31, 2023	Engineering Manager	



Project Summary

Project Number:	2299DI2603
Title:	Residential meter and electronics replacement
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Water
Budget Year:	2021
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description
<p>Replace all residential water meters and electronic read equipment. As the residential meters reach the end of their useful life we will look at replacement with new meter and electronic technology. Meter life is approximately 30 years based on average use to stay within AWWA standards. The electronic components were replaced in 2006-2008 and have another 20 years of life. We expect the electronics and meter to be replaced in the 2026-2028 time frame. The meters were installed in 1996 and 1997 CIP projects. The new electronic data gathering capabilities would have to be evaluated and proven capable of reading both the commercial and residential meters.</p>

Project Internal Staff
<p>Staff would investigate technology advancements with the manufacturers of the meters and electronic equipment. Staff would contract the change out project and oversee the daily progress and collection of the information as it is gathered. This project would involve the engineering, pipeline and billing staff for input, assistance, information gathering and new information installation.</p>

Project Justification
<p>Project cost currently estimated to be approximately \$1,150,000 dollars. As the meter components and electronics age, they will become less dependable with increasing failures and the read inaccuracies will fall out of the AWWA standards. We are currently looking at approximately 4,000 units in the replacement plan using the current residential unit count. Useful life is based on estimations from the Badger meter company who's equipment is currently in our system.</p>

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2024			
Meter and electronic	150,000	0	150,000
Year Total	150,000	0	150,000
2025			
Meter and electronic	250,000	0	250,000
Year Total	250,000	0	250,000
2026			
Meter and electronic	250,000	0	250,000
Year Total	250,000	0	250,000
2027			
Meter and electronic	500,000	0	500,000
Year Total	500,000	0	500,000
	1,150,000	0	1,150,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2023	Dec 31, 2027	Collection/Distribution Supervisor	



Project Summary

Project Number:	2299LV1720
Title:	2013 Mid Size Truck #630 Compliance
Project Type:	F - Rolling Stock
Division:	21 - Supply & Distribution
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description					
This project is for the scheduled replacement of vehicles, by the Fleet Division for the Public Works Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition.					
Project Internal Staff					
Fleet Maintenance Staff will manage this project					
Project Justification					
This pick-up truck is operated by the Utility Division of the Public Works Department. Specifically utilized daily by the water meter reader for collecting water usage data for billing purposes and to carry tools and equipment for performing minor repairs to meters and meter boxes. Presently this vehicle is on a 10-year replacement schedule. This truck may transfer to another department where service and reliability are not as important to the operating department.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2022					
Pick-up Truck	31,000	0	31,000		
Year Total	31,000	0	31,000		
2032					
Pick-up Truck	35,000	0	35,000		
Year Total	35,000	0	35,000		
2042					
Pick-up Truck	38,000	0	38,000		
Year Total	38,000	0	38,000		
	104,000	0	104,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2013	Jul 1, 2021	Jun 30, 2022	Fleet Superintendent		



Project Summary

Project Number:	2299WS1704
Title:	Watermain Replacement - Martis Peak Road vicinity
Project Type:	D - Capital Improvement - Existing Facilities
Division:	21 - Supply & Distribution
Budget Year:	2021
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description				
<p>Project area Martis Peak Vicinity. Work includes Rifle Peak Ct and SR28 under crossing accessed from Martis Peak Rd. This project is a continuation of the multi-year program to replace the 1960's era thin-wall steel water mains and other deficient water mains. Replacement criteria are twofold: Replace those water mains with the most leaks and in streets with aging pavement. Since our water loss is now less than 6%, our main objective is to work closely with the Washoe County Road Department to replace water mains just prior to the County's repaving the street. We also work closely with the North Lake Tahoe Fire Protection District to determine areas of low fire flow, which may indicate a need for increased capacity in that area. There is approximately 6 miles of old steel watermains remaining in the system.</p> <p>Our water main replacement strategy involves meeting with Washoe County prior to each budget year and jointly agreeing on streets to be paved and water mains to be replaced. This project budgets to replace approx. 6 miles of pipeline in 15 years at \$1,500,000 per mile. Without additional escalators, that is \$9,000,000 in 15 years or \$600,000 per year. Adjustments have been made to allow for the trend of a high year then low year of work scheduled.</p>				
Project Internal Staff				
Engineering will perform Design, Engineering, Bidding, Contract Administration and Inspection tasks. Outside contractor to do the work. IVGID resources remain available for ongoing maintenance activities and emergency response.				
Project Justification				
Our overall goal is to replace deficient watermains to keep our unaccounted for water loss to under 6% and to avoid costly pavement patch penalties imposed by Washoe County. The original watermains installed in much of Incline Village in the 1960's were thin-walled steel. These pipes are now failing repeatedly and need replacement. Washoe County has high pavement penalty costs for replacing watermains in newly paved streets. Replacing watermains in newly paved streets or streets with an excellent pavement condition could increase project costs by up to 50% due to pavement cut penalties.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Construction Inspecting & Testing	60,000	0	60,000	
Internal Planning & Design	25,000	0	25,000	
Washoe Co Street repair and penalties	60,000	0	60,000	
Watermain Construction Rifle Peak Ct	175,000	0	175,000	
Watermain Construction Martis Peak Rd	570,000	0	570,000	
Watermain Repair - 14in SR28 Undercrossing	100,000	0	100,000	
Year Total	990,000	0	990,000	
	990,000	0	990,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017	Jul 1, 2020	Jun 30, 2021	Senior Engineer	



Project Summary

Project Number:	2299WS1705
Title:	Watermain Replacement - Crystal Peak Road
Project Type:	D - Capital Improvement - Existing Facilities
Division:	21 - Supply & Distribution
Budget Year:	2021
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description				
<p>Project area Crystal Peak Road only. This project is a continuation of the multi-year program to replace 1960's era thin-wall steel watermains and other deficient watermains. Replacement criteria is twofold: Replace those watermains with the most leaks and in streets with aging pavement. Since our water loss is now less than 6%, our main objective is to work closely with the Washoe County Road Department to replace watermains just prior to the County's repaving the street. We also work closely with the North Lake Tahoe Fire Protection District to determine areas of low fire flow, which may indicate a need for increased capacity in that area. There is approximately 6 miles of old steel watermains remaining in the system.</p> <p>Our watermain replacement strategy involves meeting with Washoe County prior to each budget year and jointly agreeing on streets to be paved and watermains to be replaced. This project budgets to replace approx. 6 miles of pipeline in 15 years at \$1,500,000 per mile. Without additional escalators, that is \$9,000,000 in 15 years or \$600,000 per year. Adjustments have been made to allow for the trend of a high year then low year of work scheduled.</p>				
Project Internal Staff				
Engineering will perform Design, Engineering, Bidding, Contract Administration and Inspection tasks. Outside contractor to do the work. IVGID resources remain available for ongoing maintenance activities and emergency response.				
Project Justification				
Our overall goal is to replace deficient watermains to keep our unaccounted for water loss to under 6% and to avoid costly pavement patch penalties imposed by Washoe County. The original watermains installed in much of Incline Village in the 1960's were thin-walled steel. These pipes are now failing repeatedly and need replacement. Washoe County has high pavement penalty costs for replacing watermains in newly paved streets. Replacing watermains in newly paved streets or streets with an excellent pavement condition could increase project costs by up to 50% due to pavement cut penalties.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Internal Planning & Design	50,000	0	50,000	
Year Total	50,000	0	50,000	
2023				
Construction Inspection & Testing	60,000	0	60,000	
Crystal Peak Road Watermain Construction	851,000	0	851,000	
Internal Planning & Design	25,000	0	25,000	
Washoe Co Street Repair and Penalties	50,000	0	50,000	
Year Total	986,000	0	986,000	
	1,036,000	0	1,036,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017	Jul 1, 2021	Jun 30, 2023	Senior Engineer	



Project Summary

Project Number:	2299WS1706
Title:	Watermain Replacement - Slott Pk Ct
Project Type:	D - Capital Improvement - Existing Facilities
Division:	21 - Supply & Distribution
Budget Year:	2021
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description
<p>This project is a continuation of the multi-year program to replace 1960's era thin-wall steel watermains and other deficient watermains. This project will replace the watermain on Slott Peak, a Cul de Sac on the western end of Lakeshore Blvd.. Replacement criteria is twofold: Replace those watermains with the most leaks and in streets with aging pavement. Since our water loss is now less than 6%, our main objective is to work closely with the Washoe County Road Department to replace watermains just prior to the County's repaving the street. We also work closely with the North Lake Tahoe Fire Protection District to determine areas of low fire flow, which may indicate a need for increased capacity in that area. There is approximately 6 miles of old steel watermains remaining in the system.</p> <p>Our watermain replacement strategy involves meeting with Washoe County prior to each budget year and jointly agreeing on streets to be paved and watermains to be replaced. This project budgets to replace approx. 6 miles of pipeline in 15 years at \$1,500,000 per mile. Without additional escalators, that is \$9,000,000 in 15 years or \$600,000 per year. Adjustments have been made to allow for the trend of a high year then low year of work scheduled.</p>

Project Internal Staff
Engineering will perform Design, Engineering, Bidding, Contract Administration and Inspection tasks. Outside contractor to do the work. IVGID resources remain available for ongoing maintenance activities and emergency response.

Project Justification
Our overall goal is to replace deficient watermains to keep our unaccounted for water loss to under 6% and to avoid costly pavement patch penalties imposed by Washoe County. The original watermains installed in much of Incline Village in the 1960's were thin-walled steel. These pipes are now failing repeatedly and need replacement. Washoe County has high pavement penalty costs for replacing watermains in newly paved streets. Replacing watermains in newly paved streets or streets with an excellent pavement condition could increase project costs by up to 50% due to pavement cut penalties.

Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Construction Inspection & Testing	30,000	0	30,000	
Internal Planning & Design	45,000	0	45,000	
Washoe Co Street Repair and Penalties	25,000	0	25,000	
Watermain Construction	150,000	0	150,000	
Year Total	250,000	0	250,000	
	250,000	0	250,000	

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017	Nov 2, 2020	Jun 30, 2022	Senior Engineer	



Project Summary

Project Number:	2299WS1802
Title:	Watermain Replacement - Alder Avenue
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - General Administration - Water
Budget Year:	2021
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description

Project area Alder Avenue and easement area only. This project is a continuation of the multi-year program to replace 1960's era thin-wall steel watermains and other deficient watermains. Replacement criteria is twofold: Replace those watermains with the most leaks and in streets with aging pavement. Since our water loss is now less than 6%, our main objective is to work closely with the Washoe County Road Department to replace watermains just prior to the County's repaving the street. We also work closely with the North Lake Tahoe Fire Protection District to determine areas of low fire flow, which may indicate a need for increased capacity in that area. There are approximately 6 miles of old steel watermains remaining in the system.

Our watermain replacement strategy involves meeting with Washoe County prior to each budget year and jointly agreeing on streets to be paved and watermains to be replaced. This project budgets to replace approx. 6 miles of pipeline in 15 years at \$1,500,000 per mile. Without additional escalators, that is \$9,000,000 in 15 years or \$600,000 per year. Adjustments have been made to allow for the trend of a high year then low year of work scheduled.

Project Internal Staff

Engineering will perform Design, Engineering, Bidding, Contract Administration and Inspection tasks. Outside contractor to do the work. IVGID resources remain available for ongoing maintenance activities and emergency response.

Project Justification

Our overall goal is to replace deficient watermains to keep our unaccounted for water loss to under 6% and to avoid costly pavement patch penalties imposed by Washoe County. The original watermains installed in much of Incline Village in the 1960's were thin-walled steel. These pipes are now failing repeatedly and need replacement. Washoe County has high pavement penalty costs for replacing watermains in newly paved streets. Replacing watermains in newly paved streets or streets with an excellent pavement condition could increase project costs by up to 50% due to pavement cut penalties.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2023			
Internal Planning and Design	50,000	0	50,000
Year Total	50,000	0	50,000
2024			
Construction Inspection & Testing	25,000	0	25,000
Washoe County street repair & Penalties	135,000	0	135,000
Watermain Construction	375,000	0	375,000
Year Total	535,000	0	535,000
	585,000	0	585,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2018	Oct 2, 2023	Jun 30, 2024	Senior Engineer	



Project Summary

Project Number:	2299WS1803
Title:	Watermain Replacement - Future
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - General Administration - Water
Budget Year:	2021
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description

For future projects. This project is a continuation of the multi-year program to replace 1960's era thin-wall steel water mains and other deficient water mains. Replacement criteria is twofold: Replace those water mains with the most leaks and in streets with aging pavement. Since our water loss is now less than 6%, our main objective is to work closely with the Washoe County Road Department to replace water mains just prior to the County's repaving the street. We also work closely with the North Lake Tahoe Fire Protection District to determine areas of low fire flow, which may indicate a need for increased capacity in that area. There is approximately 6 miles of old steel water mains remaining in the system.

Our watermain replacement strategy involves meeting with Washoe County prior to each budget year and jointly agreeing on streets to be paved and water mains to be replaced. This project budgets to replace approx. 6 miles of pipeline in 15 years at \$1,500,000 per mile. Without additional escalators, that is \$9,000,000 in 15 years or \$600,000 per year. Adjustments have been made to allow for the trend of a high year then low year of work scheduled.

Project Internal Staff

Engineering will perform Design, Engineering, Bidding, Contract Administration and Inspection tasks. Outside contractor to do the work. IVGID resources remain available for ongoing maintenance activities and emergency response.

Project Justification

As of 2018 the District has approximately 5.5 linear miles of leaky steel water main remaining for replacement. Our overall goal is to replace deficient water mains to keep our unaccounted for water loss to under 6% and to avoid costly pavement patch penalties imposed by Washoe County. The original water mains installed in much of Incline Village in the 1960's were thin-walled steel. These pipes are now failing repeatedly and need replacement. Washoe County has high pavement penalty costs for replacing water mains in newly paved streets. Replacing water mains in newly paved streets or streets with an excellent pavement condition could increase project costs by up to 50% due to pavement cut penalties.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2024			
Future Project	50,000	0	50,000
Year Total	50,000	0	50,000
2025			
Future Project	600,000	0	600,000
Year Total	600,000	0	600,000
2026			
Future Project	600,000	0	600,000
Year Total	600,000	0	600,000
2027			
Future Project	600,000	0	600,000
Year Total	600,000	0	600,000
2028			
Future Project	600,000	0	600,000
Year Total	600,000	0	600,000

2029	Future Project	600,000	0	600,000
	Year Total	600,000	0	600,000
2030	Future Project	600,000	0	600,000
	Year Total	600,000	0	600,000
2031	Future Project	600,000	0	600,000
	Year Total	600,000	0	600,000
2032	Future Project	600,000	0	600,000
	Year Total	600,000	0	600,000
2033	Future Project	600,000	0	600,000
	Year Total	600,000	0	600,000
2034	Future Project	600,000	0	600,000
	Year Total	600,000	0	600,000
2035	Future Project	600,000	0	600,000
	Year Total	600,000	0	600,000
2036	Future Project	600,000	0	600,000
	Year Total	600,000	0	600,000
2037	Future Project	600,000	0	600,000
	Year Total	600,000	0	600,000
2038	Future Project	600,000	0	600,000
	Year Total	600,000	0	600,000
		8,450,000	0	8,450,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2018	Oct 1, 2024	Jun 30, 2025	Senior Engineer	



Project Summary

Project Number:	2299WS1804
Title:	R6-1 Tank Road Construction
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - General Administration - Water
Budget Year:	2021
Finance Option:	
Asset Type:	WS - Water System
Active:	Yes

Project Description				
This project is for improvements to an aging and only partially improved road to Water Reservoir 6-1 off of Lunar Ct. The existing roadway is approximately 2300 square feet of steep paved roadway and 2700 square feet of unpaved roadway. There are no BMP's in place. The Project proposes an asphalt roadway construction for the entire length and makes related storm water improvements.				
Project Internal Staff				
Public works staff will perform design, permitting, bid, contract administration and related inspection tasks. Construction by private contractor				
Project Justification				
This Water Reservoir sees regular inspections and the steep access road is eroding and not compliant with TRPA regulations. An improved roadway would allow for safer year-round access and mitigate environmental concerns. Most of the 13 existing reservoir access roads around the district have been paved however of the unpaved roads, R6-1 is difficult to maintain without a hardened asphalt surface. Other unpaved access roads presently maintained include R6C-1, R4-1, R8B-1, R5-3A and R5-3B.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Construction	100,000	0	100,000	
Internal services	15,000	0	15,000	
Materials testing	5,000	0	5,000	
Permitting	5,000	0	5,000	
Year Total	125,000	0	125,000	
	125,000	0	125,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2018	Jul 1, 2020	Jun 30, 2022	Senior Engineer	



Project Summary

Project Number:	2523HE1723
Title:	2001 Sellick Forklift #499
Project Type:	F - Rolling Stock
Division:	23 - Treatment
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description	This project is for the scheduled replacement of forklift #499, by the Fleet Division, for the Public Works Treatment Plant. Treatment Plant utilizes this equipment in the daily operation of moving sludge bins, loading and unloading materials from delivery trucks and transporting supplies around the plant. This equipment is on a 10-year replacement program but will be moved back in the CIP if indicators reveal no adverse affects by deferring the replacement date.
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Project Internal Staff	
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Project Justification	Forklift #499 will be 23-years old at its present scheduled replacement date with an estimated total usage of approximately 3000 hours. Replacement will be subject to accumulated hours, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. This equipment will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2024			
2001 Sellick Forklift	65,000	0	65,000
Year Total	65,000	0	65,000
2034			
2001 Sellick Forklift	70,000	0	70,000
Year Total	70,000	0	70,000
	135,000	0	135,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number:	2523HV1721
Title:	2006 Kenworth T800 Bin truck #587
Project Type:	F - Rolling Stock
Division:	23 - Treatment
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description	In 2006 the Public Works Department assumed the responsibility from Waste Management (Independent Sanitation) for hauling the treated sludge from the wastewater treatment plant to the Bentley facility in Minden, Nevada. The in-house sludge hauling program resulted in a 55% savings for each bin hauled over the contract price at that time. Although the present replacement date for this truck is 15-years it will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.
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Project Internal Staff	Fleet Maintenance Staff will manage this project
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Project Justification	This is the scheduled replacement of #587, Kenworth dump truck, utilized by the Utility Division for hauling treated sludge from the plant to the Bentley facility in Minden Nevada. This vehicle is critical to the daily operation of the Treatment Plant and will be 15-years old at its replacement date with an estimated minimum mileage of 168,000 miles. The replacement of this truck is subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.
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Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
2006 Kenworth T800 B Dump truck	197,200	0	197,200	
Year Total	197,200	0	197,200	
2037				
2006 Kenworth T800 B Dump truck	210,000	0	210,000	
Year Total	210,000	0	210,000	
	407,200	0	407,200	

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2022	Fleet Superintendent	



Project Summary

Project Number:	2523LE1720
Title:	2018 Flail Mower #784
Project Type:	F - Rolling Stock
Division:	23 - Treatment
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description

This flail mower is utilized by Utility Treatment Plant personnel to perform weed abatement at the wetlands during the summer and fall months. This attachment works in combination with existing Multihog (#783). The decision to purchase this brand mower was made in order to make year around use of Multihog #783, also used during the winter months in combination with a snow blower attachment. This mower is presently on a 10-year replacement schedule.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

This equipment is considered a high wear, high impact piece of equipment. It sees extreme duty during the summer weed abatement program at the Wetlands facility. The alternative to owning and operating this equipment is to contract this operation out at an elevated level of cost. The replacement of this mower is subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Equipment replacement will be deferred if indicators reveal that maintenance cost and down time will not increase.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2024			
Flail Mower	15,000	0	15,000
Year Total	15,000	0	15,000
2030			
Flail Mower	16,000	0	16,000
Year Total	16,000	0	16,000
2036			
Flail Mower	16,000	0	16,000
Year Total	16,000	0	16,000
2042			
Flail Mower	17,000	0	17,000
Year Total	17,000	0	17,000
	64,000	0	64,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2017	Jun 30, 2018	Fleet Superintendent	



Project Summary

Project Number: 2524HE1725
Title: 2008 Chevrolet Camera Truck #615
Project Type: F - Rolling Stock
Division: 24 - Transmission
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description				
Camera van utilized by the Utility Division for the video camera work performed on the Districts sewer lines. This process identifies the overall condition of the underground sewer system to help staff to schedule need repairs or line replacement. Presently the vehicle is on a 10-year replacement program.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This vehicle and camera equipment is critical to the operation of the Public Works Utility Division for identifying under ground sewer pipelines in need of maintenance, repairs or replacement. Other aspects of replacement for this vehicle coincide with updates or changes in the camera equipment technology and the vehicle requirements that may be needed				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Camera Truck	85,000	0	85,000	
Year Total	85,000	0	85,000	
2034				
Camera Truck	90,000	0	90,000	
Year Total	90,000	0	90,000	
	175,000	0	175,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2024	Jun 30, 2025	Fleet Superintendent	



Project Summary

Project Number:	2524SS1010
Title:	Effluent Pipeline Project
Project Type:	B - Major Projects - Existing Facilities
Division:	24 - Transmission
Budget Year:	2021
Finance Option:	
Asset Type:	SS - Sewer System
Active:	Yes

Project Description

The Effluent Pipeline Project will be a multi-year pipe replacement project. The immediate priority is to replace all of the remaining Segment 3 pipeline (12,385 linear feet) and to make immediate repairs to the Segment 2 pipeline (17,314 linear feet) to extend its life and avoid future leaks. The project timeline is to accomplish this over multiple construction seasons. TRPA and NDOT permits typically prohibit SR 28 traffic control delays from July 1 to September 5. This limits construction to May, June and Sept 6 to Oct 15. The replacement of Segment 3 would occur over two construction seasons. Replacing segment 2 would require 3 construction seasons. Repairs to segment 2 could be accomplished with a segment 3 construction phase.

Project Internal Staff

The engineering division will support this project. Outside consultants will be used for design and management. The project will be publicly advertised in accordance with NRS 338.

Project Justification

The District currently owns, operates and maintains a 21-mile pipeline that exports treated wastewater effluent out of the Lake Tahoe Basin. This pipeline was installed in 1970 as part of the regional effort to protect Lake Tahoe's water quality by requiring all wastewater effluent to be exported out of the basin. Within the Tahoe Basin, this pipe is divided into three segments. Segment 1 is the low-pressure supply pipe to the pump station near Sand Harbor. Segment 2 is the welded steel high-pressure discharge pipe exiting the pump station. Segment 3 is the remaining low pressure jointed steel transmission pipeline within the Tahoe Basin running south to Spooner Summit. Segment 4 is the pipe that carries the effluent down the east side of the Carson Range from Spooner Summit to Hwy 395. Segment 5 is the pipeline that extends from HWY 395 to the bank of the Carson River. Segment 6 is the pipeline from the Carson River that delivers the effluent to the IVGID Wetlands Disposal Facility and was installed in 1983. A condition assessment completed on Segments 2 and 3 confirmed pipe deficiencies.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
Internal Services	100,000	0	100,000
Project Design and Construction Costs	1,900,000	0	1,900,000
Year Total	2,000,000	0	2,000,000
2022			
Internal Services	100,000	0	100,000
Project Design and Construction Costs	1,900,000	0	1,900,000
Year Total	2,000,000	0	2,000,000
2023			
Internal Services	100,000	0	100,000
Project Design and Construction Costs	1,900,000	0	1,900,000
Year Total	2,000,000	0	2,000,000
2024			
Internal Services	100,000	0	100,000
Project Design and Construction Costs	1,900,000	0	1,900,000
Year Total	2,000,000	0	2,000,000
2025			
Internal Services	100,000	0	100,000
Project Design and Construction Costs	1,900,000	0	1,900,000
Year Total	2,000,000	0	2,000,000
	10,000,000	0	10,000,000

Year Identified

Start Date

Est. Completion Date

Manager

Project Partner

2012	Jul 1, 2020	Jun 30, 2025	Engineering Manager	
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Project Summary

Project Number:	2599BD1105
Title:	Building Upgrades Water Resource Recovery Facility
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Sewer
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
This project is about the traditional building infrastructure at 1250 Sweetwater Road. This project funds the capital repairs and replacement of equipment for the operations, control, mechanical, solids handling, odor control and office buildings at the WRRF.				
Project Internal Staff				
Buildings Division and Treatment Staff will manage and deliver the work.				
Project Justification				
All of the building roofs were last replaced in 1995 with the major plant improvements project. The roofs are 20 year roofs and are scheduled for replacement in 2024-25. The exterior of buildings is on a 7-10 year cycle for painting. The interior of the buildings is on a 5-7 year cycle for painting. In 2020-21 a new automated gate will be installed for security purposes at the entrance to the WRRF. This gate includes automated access and security features.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Security Gate Purchase and Installation	80,000	0	80,000	
Year Total	80,000	0	80,000	
2022				
Building Repairs - Windows	10,000	0	10,000	
Paint exterior of WRRF	30,000	0	30,000	
Year Total	40,000	0	40,000	
2023				
Paint interior of WRRF	30,000	0	30,000	
Year Total	30,000	0	30,000	
2024				
Roof replacement on all structures	50,000	0	50,000	
Year Total	50,000	0	50,000	
2025				
Roof replacement on all structures	275,000	0	275,000	
Year Total	275,000	0	275,000	
	475,000	0	475,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner

2012	Jul 1, 2020	Jun 30, 2021	Utility Superintendent	
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Project Summary

Project Number:	2599DI1104
Title:	Sewer Pumping Station Improvements
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Sewer
Budget Year:	2021
Finance Option:	
Asset Type:	SS - Sewer System
Active:	Yes

Project Description

The District owns 18 sewer pumping stations in Incline Village and Crystal Bay to transport raw sewage to the WRRF on Sweetwater Road. The stations were constructed in the 1960s and 1970s and have provided reliable service. The stations range from serving just a few houses to pumping almost half of the sewage flow in the District. The large sewer pumping stations are generally masonry block unit buildings and the small stations are below grade metal structures (dry well can and wet well). The stations contain the mechanical and electrical equipment to pump sewage to the WRRF from the 8000+ sewer customers. The equipment in the station includes pumps, motors, grinders, odor scrubbers, motor soft starts, variable frequency drives, telemetry equipment, motor control cabinets, automatic transfer switches, emergency generators, fuel tanks, check valves, isolation valves, instrumentation equipment, communication equipment, piping and other miscellaneous equipment. Our mission is to maintain the excellent condition and reliability of our aging infrastructure to collect and pump sewage to the WRRF and to protect the environment.

Project Internal Staff

Staff involvement is the removal, procurement, and replacement of equipment with rebuilt or new equipment. Larger pump station capital improvement projects will be contracted out and supervised by Public Works staff.

Project Justification

This project funds the annual replacement of the equipment listed above at the sewer pumping stations. Staff performs inspections and maintenance on sewer pumping stations and plans future major upgrades as equipment reaches the end of its useful life. The age of the equipment, the number of hours of operation and other equipment analyses such as vibration testing dictate replacement or rehabilitation of the equipment to maintain this reliability to provide continuous service. The forecast contains staffs best projection of the work to be performed. The 2020-21 fiscal year includes anticipated mechanical and electrical work at several sewer pump stations in the District.

Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Electrical, Mechanical, and Pumping Improvements at Various Stations	70,000	0	70,000	
Year Total	70,000	0	70,000	
2022				
Electrical, Mechanical, and Pumping Improvements at Various Stations	30,000	0	30,000	
Year Total	30,000	0	30,000	
2023				
Electrical, Mechanical, and Pumping Improvements at Various Stations	30,000	0	30,000	
Year Total	30,000	0	30,000	
2024				
Electrical, Mechanical, and Pumping Improvements at Various Stations	50,000	0	50,000	
Year Total	50,000	0	50,000	
2025				
SPS-10 Pump and Motor Replacement	50,000	0	50,000	
Year Total	50,000	0	50,000	
2026				
SPS-10 Pump and Motor Replacement	200,000	0	200,000	
Year Total	200,000	0	200,000	
	430,000	0	430,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Principal Engineer	



Project Summary

Project Number:	2599DI1701
Title:	Sewer Pumping Station 14 Improvements
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Sewer
Budget Year:	2021
Finance Option:	
Asset Type:	SS - Sewer System
Active:	Yes

Project Description					
There are two sewer pumping stations in series (SPS 14A and SPS 14B) located on North Lake Circle in Crystal Bay. SPS 14A pumps to SPS 14B which then pumps to the forcemain located in SR-28 in Crystal Bay at the corner of North Lake Circle. The flow then proceeds through District's sewer system to the WRRF. The stations were originally part of the Crystal Bay General Improvement District and came under ownership of IVGID in 1995 as part of the merger agreement. The stations have a capacity of 55 gallon per minute and nominally serve less than 100 residences.					
Project Internal Staff					
The project will be managed by engineering.					
Project Justification					
The two sewer pumping stations were installed in 1977. The equipment has reached the end of its service life and we are performing a higher frequency of repairs to keep it in service. This project will investigate the replacement options, design the preferred option and complete construction.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2024					
Predesign	30,000	0	30,000		
Year Total	30,000	0	30,000		
2025					
Design	85,000	0	85,000		
Year Total	85,000	0	85,000		
2026					
Construction	200,000	0	200,000		
Year Total	200,000	0	200,000		
	315,000	0	315,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2017	Jul 1, 2023	Jun 30, 2026	Engineering Manager		



Project Summary

Project Number:	2599DI1703
Title:	Sewer Pump Station #1 Improvements
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - General Administration - Sewer
Budget Year:	2021
Finance Option:	
Asset Type:	SS - Sewer System
Active:	Yes

Project Description				
<p>The District owns 18 sewer pumping stations in Incline Village and Crystal Bay. Sewer Pump Station #1 collects and transports 50% of the raw sewage and transports it to the WRRF on Sweetwater Road. If something were to happen to Sewer Pump Station #8 there is a direct bypass that would send all of the raw sewage to Sewer Pump Station #1, thus accounting for 75% of the raw sewage in the District. Constructed in the early 1970s this station has provided reliable service. The station contains the mechanical and electrical equipment to pump sewage to the WRRF. The equipment in the station to be replaced as a part of this project are the variable frequency drives and motor control centers for the three pump sets plus instrumentation and controls. This will enhance the condition and reliability of our aging infrastructure to collect and pump sewage to the WRRF and to protect the environment.</p>				
Project Internal Staff				
<p>Staff involvement is the coordination and contracting of the removal, procurement, and replacement of equipment with rebuilt or new equipment.</p>				
Project Justification				
<p>This project funds the replacement of the equipment listed above at sewer pumping station #1. The age of the equipment, the number of hours of operation and other equipment analyses dictate replacement or rehabilitation of the equipment to maintain this reliability to provide continuous service. The project was bid in the summer/fall 2019 and one bid was received that was substantially above budget. All bids were rejected. The design team will make some modifications to the design for simplification and rebid the project in summer 2020. The construction estimate is based on the received bid. There will be carry forward funds from 2019-20 CIP.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Construction	550,000	0	550,000	
Construction Phase Management and Engineering 10%	50,000	0	50,000	
Construction Reserve Fund 10%	50,000	0	50,000	
Year Total	650,000	0	650,000	
	650,000	0	650,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017	Jul 1, 2020	Jun 30, 2021	Principal Engineer	



Project Summary

Project Number:	2599SS1102
Title:	Water Resource Recovery Facility Improvements
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Sewer
Budget Year:	2021
Finance Option:	
Asset Type:	SS - Sewer System
Active:	Yes

Project Description			
<p>The District's water resource recovery facility (WRRF) treats all of the raw sewage from the communities of Incline Village and Crystal Bay. The original treatment plant was built in 1962 and went through many upgrades as the community grew in size. The current plant configuration is largely the same from the major renovation in 1992 that replaced most equipment and processes. The plant is rated to treat 2.14 MGD by the State of Nevada. The plant has preliminary treatment, aeration, sedimentation, disinfection and solids dewatering processes to treat the raw sewage. Each of these processes consist of electrical, mechanical, instrumentation, and communication equipment. The plant also has odor control, chemical storage, fuel storage, overflow ponds, effluent storage reservoir, emergency generator, and other miscellaneous structures. Future years include the develop, design and construction of odor control upgrades.</p>			
Project Internal Staff			
Staff selects, purchases and installs small equipment projects. Larger replacement projects are bid to outside contractors.			
Project Justification			
<p>The majority of equipment and processes at the WRRF are 25+ years old. The WRRF has sufficient capacity and redundancy that has kept the operating hours low for a number of pieces of equipment. Some equipment is run 24/7 necessitating frequent replacement. The forecast is staff's projection of the needed equipment replacement. It is planned to upgrade network servers, firewalls and communications equipment for improved cybersecurity, pump and motor installs, and meters and sensors. The dewatering sludge pump needs replacement and a new city water air gap system needs to be installed.</p>			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
City Water Air Gap System	25,000	0	25,000
Equipment improvements	25,000	0	25,000
SCADA, Network and Server Enhancements	75,000	0	75,000
Year Total	125,000	0	125,000
2022			
Concrete Tank Resurfacing and Coatings	50,000	0	50,000
Equipment improvements	25,000	0	25,000
Year Total	75,000	0	75,000
2023			
Concrete Tank Resurfacing and Coatings	50,000	0	50,000
Equipment improvements	25,000	0	25,000
Odor Control Predesign	25,000	0	25,000
Year Total	100,000	0	100,000

2024			
Concrete Tank Resurfacing and Coatings	50,000	0	50,000
Equipment improvements	25,000	0	25,000
Odor Control Design	100,000	0	100,000
Year Total	175,000	0	175,000
2025			
Concrete Tank Resurfacing and Coatings	50,000	0	50,000
Equipment improvements	25,000	0	25,000
Odor Control Construction	400,000	0	400,000
Year Total	475,000	0	475,000
2026			
Emergency generator replacement	300,000	0	300,000
Equipment improvements	100,000	0	100,000
Year Total	400,000	0	400,000
2027			
Centrifuge Rebuild	75,000	0	75,000
Equipment improvements	100,000	0	100,000
Year Total	175,000	0	175,000
2028			
Centrifuge Rebuild	75,000	0	75,000
Equipment improvements	100,000	0	100,000
Year Total	175,000	0	175,000
	1,700,000	0	1,700,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Utility Superintendent	



Project Summary

Project Number:	2599SS1103
Title:	Wetlands Effluent Disposal Facility Improvements
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Sewer
Budget Year:	2021
Finance Option:	
Asset Type:	SS - Sewer System
Active:	Yes

Project Description				
The District owns and maintains 900 acres of land in Douglas County for the disposal of WRRF effluent, at the discharge of the effluent export pipeline. The facility was constructed in 1983 as a beneficial reuse project by creating wetland cells for wildlife habitat. The effluent is distributed through the various cells via channels and pipes for transportation, evaporation and percolation. The property also contains a large area of warm water springs that is kept separate from the effluent cells. The underlying geology of the site poses challenges as the alkali dissolves causing short circuiting of flows from cell to cell. There is an extensive system for the wetland cells and surrounding levees to protect the facility from flooding. There is a road network of over 10.5 miles within the wetlands facility, with an additional 4.5 miles of levees, a control building and infrastructure for controlling the flow of effluent to and between cells.				
Project Internal Staff				
Public Works staff performs some of the maintenance and repairs at the facility, while larger projects may be contracted out with design and inspection being provided by staff.				
Project Justification				
The levees and roadways need to be maintained and resurfaced due to years of wear and tear as well as sub-grade subsidence. With the continued subsidence along levees and roadways we are installing barriers in the levees and roadways to reduce and/or eliminate the short circuiting of underground water between cells. With the facility being 37 years old, there are infrastructure improvements that need to be addressed in order to keep the facility in good working order such as replacement of piping, valves, vegetation control, invasive weed mitigation, junction boxes, flow control boxes, master inflow meter and sample locations.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Resurface roadways, replace valves and install cut-off barriers in levees.	16,500	0	16,500	
Year Total	16,500	0	16,500	
2022				
Resurface roadways, replace valves and install cut-off barriers in levees.	183,500	0	183,500	
Year Total	183,500	0	183,500	
2023				
Resurface roadways, replace valves and install cut-off barriers in levees.	100,000	0	100,000	
Year Total	100,000	0	100,000	
2024				
Resurface roadways, replace valves and install cut-off barriers in levees.	100,000	0	100,000	
Year Total	100,000	0	100,000	
	400,000	0	400,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Utility Maintenance Specialist	



Project Summary

Project Number:	2599SS1203
Title:	Replace & Reline Sewer Mains, Manholes and Appurtenances
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Sewer
Budget Year:	2021
Finance Option:	
Asset Type:	SS - Sewer System
Active:	Yes

Project Description

This project includes the replacement and rehabilitation of sewer mains, manhole and appurtenances. Sections of sewer line, manholes and air relief valve rehabilitation have been identified for replacement. A priority list has been developed by Public Works staff. In addition to regular maintenance, sewer rehabilitation projects help the District to stay in compliance with Nevada Department of Environmental Protection (NDEP) permits and avoid sanitary sewer overflows. The District maintains approximately 1,800 manholes, 100 miles of gravity mains, 32 miles of force main and 79 air relief valves.

Project Internal Staff

Public Works staff will perform design, bid, contract administration and inspection. Larger projects will be contracted out while smaller projects will be performed by Public Works staff.

Project Justification

Line blockages and ground water intrusion increases the District's operating costs and puts the District at risk of violating its (NDEP) permit and potentially incur fines. Typically older clay sewers exhibit poor performance and are likely candidates for blockages and increased maintenance activities mainly due to root intrusion. There are manholes throughout the service area that require rehabilitation to prevent groundwater intrusion, which can also cause the concrete structure to deteriorate and to possibly collapse. By keeping close track if line blockages, customer complaints and closed circuit television (CCTV) inspection results, a priority list has been established for replacement or relining of sewer mains and manholes. The priority is based on a score, flow, proximity to streams and/or the lake. Older air release valves (arv's) can be difficult to access and unsafe to work on. Parts for these valves are obsolete. By repairing faulty mains and manholes, we also reduce the potential for sewer overflows in storm events while reducing the flows to the wastewater treatment plant. This works in conjunction with a strong preventative maintenance program of line cleaning and CCTV work. Extensive sewer main rehabilitation work was done in 2014 by CIPP lining and future projects are planned for anticipated failures as pipes age. ARV replacements are ongoing by IVGID crews.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Internal Services	5,000	0	5,000
Manhole and Wet Well Rehabilitation	75,000	0	75,000
Year Total	80,000	0	80,000
2022			
Internal Services	10,000	0	10,000
Manhole and Wet Well Rehabilitation	50,000	0	50,000
Year Total	60,000	0	60,000
2023			
Internal Services	5,000	0	5,000
Manhole and Wet Well Rehabilitation	50,000	0	50,000
Year Total	55,000	0	55,000

2024			
Internal Services	5,000	0	5,000
Manhole and Wet Well Rehabilitation	50,000	0	50,000
Replace Air Relief Valves and Appurtenances	50,000	0	50,000
Year Total	105,000	0	105,000
2025			
Internal Services	5,000	0	5,000
Manhole and Wet Well Rehabilitation	50,000	0	50,000
Year Total	55,000	0	55,000
2026			
Internal Services	5,000	0	5,000
Manhole and Wet Well Rehabilitation	50,000	0	50,000
Sewer Main Rehabilitation	500,000	0	500,000
Year Total	555,000	0	555,000
2027			
Internal Services	5,000	0	5,000
Manhole and Wet Well Rehabilitation	50,000	0	50,000
Year Total	55,000	0	55,000
2028			
Construction Inspection & Testing	5,000	0	5,000
Internal Services	5,000	0	5,000
Manhole and Wet Well Rehabilitation	100,000	0	100,000
Replace Air Relief Valves and Appurtenances	50,000	0	50,000
Year Total	160,000	0	160,000
2029			
Internal Services	5,000	0	5,000
Manhole and Wet Well Rehabilitation	50,000	0	50,000
Year Total	55,000	0	55,000
2030			
Internal Services	5,000	0	5,000
Manhole and Wet Well Rehabilitation	50,000	0	50,000
Year Total	55,000	0	55,000
2031			
Internal Services	5,000	0	5,000

Manhole and Wet Well Rehabilitation	50,000	0	50,000
Year Total	55,000	0	55,000
2032			
Construction Inspection & Testing	5,000	0	5,000
Internal Services	5,000	0	5,000
Sewer Main Rehabilitation	100,000	0	100,000
Year Total	110,000	0	110,000
2033			
Construction Inspection & Testing	40,000	0	40,000
Internal Services	50,000	0	50,000
Manhole and Wet Well Rehabilitation	150,000	0	150,000
Sewer Main Rehabilitation	1,000,000	0	1,000,000
Year Total	1,240,000	0	1,240,000
2034			
Manhole and Wet Well Rehabilitation	150,000	0	150,000
Sewer Main Rehabilitation	1,000,000	0	1,000,000
Year Total	1,150,000	0	1,150,000
2038			
Replace Air Relief Valves and Appurtenances	50,000	0	50,000
Year Total	50,000	0	50,000
	3,840,000	0	3,840,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Senior Engineer	



Project Summary

Project Number:	2599SS1901
Title:	Wastewater Resource Recovery Facility (WRRF) Drainage Improvements
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - General Administration - Sewer
Budget Year:	2021
Finance Option:	
Asset Type:	SS - Sewer System
Active:	Yes

Project Description			
The project proposed is for stormwater collected by the buildings gutter system and discharged in the paved area adjacent to the building. The project would construct a concrete swale north of the Aeration Building to a detention area for infiltration.			
Project Internal Staff			
Staff will manage the project and oversee construction.			
Project Justification			
The area surrounding the building is very flat and has areas that create ponding. This project would covey the runoff to an appropriately size basin for infiltration.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Construction	10,000	0	10,000
Internal Services	2,500	0	2,500
Year Total	12,500	0	12,500
	12,500	0	12,500
Year Identified	Start Date	Est. Completion Date	Manager
2019	Jul 1, 2020	Oct 15, 2020	Senior Engineer
			Project Partner



Project Summary

Project Number:	2599SS2107
Title:	Update Camera Equipment
Project Type:	G - Equipment & Software
Division:	99 - General Administration - Sewer
Budget Year:	2021
Finance Option:	
Asset Type:	SS - Sewer System
Active:	Yes

Project Description

The camera van is used by the Utility Division for camera work performed on the District's sewer lines. This process identifies the overall condition of the underground sewer system to help staff schedule needed repairs or line replacement. It is also used to quickly identify the cause of sewer overflows and sources of illegal discharges. The van itself is addressed as a separate project as it falls under a different schedule for vehicle replacement. This project deals with the actual camera equipment housed inside the van. Items such as the camera head, transporter, cable reel, computer and various electronic components are subject to a much higher degree of wear and tear and are therefore subject to a shorter life span. Advances in technology and equipment serviceability also play a part.

Project Internal Staff

Fleet Maintenance and Pipeline Operations Staff

Project Justification

This camera equipment is critical to the operation of the Public Works Utility Division for identifying underground sewer pipelines in need of maintenance, repairs or replacement. Federal and state requirements mandate CCTV inspection of sewer systems. Results of inspections are required in the procurement of government funding for capital projects.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2022			
Sewer Inspection Equipment	60,000	0	60,000
Year Total	60,000	0	60,000
2030			
Sewer Inspection Equipment	65,000	0	65,000
Year Total	65,000	0	65,000
	125,000	0	125,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Feb 28, 2022	Collection/Distribution Supervisor	



5 Year Capital Improvement Plan Summary Internal Service

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
Internal Service									
Fleet	5190ME1201	Replacement Shop Tools and Equipment	Fleet Superintendent	-	-	16,000	-	-	16,000
	5197CO1501	Fuel Management Program	Fleet Superintendent	-	-	-	-	28,000	28,000
	5197CO1801	Fleet Software upgrade - manages rolling stock/equip	Fleet Superintendent	-	-	14,000	-	-	14,000
	5197LE1720	Replace 2007 Vehicle/Equipment Trailer #629	Fleet Superintendent	-	-	-	12,000	-	12,000
	Total			-	-	30,000	12,000	28,000	70,000
Buildings	5394LE1723	2003 Genie Scissor Lift	Fleet Superintendent	-	16,000	-	-	-	16,000
	5394LE1724	2004 Equipment Trailer (Tilt)	Fleet Superintendent	-	5,200	-	-	-	5,200
	5394LV1720	Replace 2005 Service Truck 4X4 (1-ton) #555	Fleet Superintendent	-	43,600	-	-	-	43,600
	5394LV1722	Replace 2004 Pick-up Truck 4X4 (1/2-ton) #540	Fleet Superintendent	5,000	-	-	-	-	5,000
	Total			5,000	64,800	-	-	-	69,800
		Total Internal Service		5,000	64,800	30,000	12,000	28,000	139,800



Project Summary

Project Number:	5190ME1201
Title:	Replacement Shop Tools and Equipment
Project Type:	G - Equipment & Software
Division:	90 - Equipment Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	ME - Mechanical Equipment
Active:	Yes

Project Description				
This ongoing project is to replace old, worn out and outdated Fleet Shop tools and equipment, and purchase new specialty tools for new model year vehicles and equipment. These tools and equipment are essential to maintenance and repairs of all District rolling stock assets and the efficiency and safety of those operations.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
Replace and update large shop equipment as needed				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2023				
New & Replacement Tools & Equipment	16,000	0	16,000	
Year Total	16,000	0	16,000	
2028				
New & Replacement Tools & Equipment	16,000	0	16,000	
Year Total	16,000	0	16,000	
2033				
New & Replacement Tools & Equipment	18,000	0	18,000	
Year Total	18,000	0	18,000	
2038				
New & Replacement Tools & Equipment	20,000	0	20,000	
Year Total	20,000	0	20,000	
	70,000	0	70,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2017	Oct 31, 2017	Fleet Superintendent	



Project Summary

Project Number:	5197CO1501
Title:	Fuel Management Program
Project Type:	G - Equipment & Software
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	CO - Computer Equipment
Active:	Yes

Project Description					
This is a replacement of the Fleet Division's Fuel Management System equipment and software program.					
Project Internal Staff					
Fleet Maintenance Staff will manage this project					
Project Justification					
Replacement of this software will be determined when support of currant version is no longer supported.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2025					
Fuel Management System	28,000	0	28,000		
Year Total	28,000	0	28,000		
2035					
Fuel Management System	30,000	0	30,000		
Year Total	30,000	0	30,000		
	58,000	0	58,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2013	Jul 1, 2024	Jun 30, 2025	Fleet Superintendent		



Project Summary

Project Number:	5197CO1801
Title:	Fleet Software upgrade - manages rolling stock/equip
Project Type:	G - Equipment & Software
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	CO - Computer Equipment
Active:	Yes

Project Description				
This is a scheduled upgrade of the Fleet Division's CFA (Computerized Fleet Analysis) equipment maintenance management software program. Presently Fleet utilizes the current 8.0 version. This program captures all maintenance costs and repair history of the District's vehicles and equipment, schedules the maintenance activities and maintains accurate inventory controls for all of Fleet's individual parts rooms. It is estimated that an upgrade of the program will be required every 8 to 10 years.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
Replacement of this software will be determined when support of currant version is no longer supported.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2023				
Fleet Software	14,000	0	14,000	
Year Total	14,000	0	14,000	
2031				
Fleet Software	17,000	0	17,000	
Year Total	17,000	0	17,000	
2038				
Fleet Software	20,000	0	20,000	
Year Total	20,000	0	20,000	
	51,000	0	51,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017	Jul 1, 2018	Jun 30, 2019	Fleet Superintendent	



Project Summary

Project Number:	5197LE1720
Title:	Replace 2007 Vehicle/Equipment Trailer #629
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description	This multi-use trailer is utilized by all venues for the transport of vehicles, equipment and materials. The life expectancy of the new trailer has been established at 15-years. Maintenance cost, visual inspection and over all condition will dictate if the replacement date may be moved back as its scheduled replacement date nears.
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Project Internal Staff	Fleet Maintenance Staff will manage this project
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Project Justification	This trailer is vital to the operation of all District venues. Utilized for the transport of disabled vehicles and equipment by the Fleet Division, equipment transport from the Public Works yard to the Wetlands facility, equipment transport to auction, and equipment and materials transport by the Treatment Plant and Diamond Peak. Although this trailer has an established life expectancy of 15-years it will probably be moved back in the CIP as its replacement date nears.
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2024			
Replace Gooseneck Trailer w/ winch	12,000	0	12,000
Year Total	12,000	0	12,000
2034			
Replace Gooseneck Trailer w/ winch	16,000	0	16,000
Year Total	16,000	0	16,000
	28,000	0	28,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2023	Jun 30, 2024	Fleet Superintendent	



Project Summary

Project Number: 5394LE1723
Title: 2003 Genie Scissor Lift
Project Type: F - Rolling Stock
Division: 94 - Building Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description				
This personnel lift is utilized throughout the District for jobs that require a high reach personnel platform. Jobs include replacing light bulbs, fixtures and ballasts, painting building interiors and exteriors, roof repairs, duct work and etc. This equipment has a scheduled replacement cycle of 15-years.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
The replacement of this equipment is subject to accrued maintenance cost, visual inspection and over all condition and will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Scissor Lift	16,000	0	16,000	
Year Total	16,000	0	16,000	
2035				
Scissor Lift	20,000	0	20,000	
Year Total	20,000	0	20,000	
	36,000	0	36,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 31, 2019	Dec 31, 2019	Fleet Superintendent	



Project Summary

Project Number: 5394LE1724
Title: 2004 Equipment Trailer (Tilt)
Project Type: F - Rolling Stock
Division: 94 - Building Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description			
This equipment trailer is utilized specifically for the transport of personnel scissor lift #535, constructed by the Fleet Division it has a conservative life expectancy of 15-years.			
Project Internal Staff			
Fleet Maintenance Staff will manage this project			
Project Justification			
This equipment trailer was constructed by the Fleet Division in January of 2004. Although it has an established replacement date of 15-years it will most likely be moved back in the CIP or could be replaced if the replaced personnel lift does not fit on this trailer			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Equipment Trailer	5,200	0	5,200
Year Total	5,200	0	5,200
2035			
Equipment Trailer	7,500	0	7,500
Year Total	7,500	0	7,500
	12,700	0	12,700
Year Identified	Start Date	Est. Completion Date	Manager
2012	Jul 31, 2019	Dec 31, 2019	Fleet Superintendent
			Project Partner



Project Summary

Project Number:	5394LV1720
Title:	Replace 2005 Service Truck 4X4 (1-ton) #555
Project Type:	F - Rolling Stock
Division:	94 - Building Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description				
This project is for the scheduled replacement of vehicles by the Fleet Division for the Building Maintenance Division. Vehicles are on a 10-year replacement program subject to mileage/hours accumulated, accrued maintenance cost, oil analysis reports and visual inspection. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This truck is operated by the Buildings Department and will be replaced by a used service truck transferred from Utilities to keep operating cost lower for this Internal Service where critical response or down time is not an issue.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Service Truck 4X4 (1-ton)	43,600	0	43,600	
Year Total	43,600	0	43,600	
2032				
Service Truck 4X4 (1-ton)	50,000	0	50,000	
Year Total	50,000	0	50,000	
2042				
Service Truck 4X4 (1-ton)	53,000	0	53,000	
Year Total	53,000	0	53,000	
	146,600	0	146,600	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	Jul 1, 2010	Jun 30, 2011	Fleet Superintendent	



Project Summary

Project Number:	5394LV1722
Title:	Replace 2004 Pick-up Truck 4X4 (1/2-ton) #540
Project Type:	F - Rolling Stock
Division:	94 - Building Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description				
This project is for the scheduled replacement of vehicles by the Fleet Division for the Building Maintenance Division. Vehicles are on a 10-year replacement program subject to mileage/hours accumulated, accrued maintenance cost, oil analysis reports and visual inspection. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This truck is operated by the Buildings Department and will be replaced by a used service truck transferred from Utilities to keep operating cost lower for this Internal Service where critical response or down time is not an issue.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Service Truck 4X4 (1-ton)	5,000	0	5,000	
Year Total	5,000	0	5,000	
2029				
Service Truck 4X4 (1-ton)	42,000	0	42,000	
Year Total	42,000	0	42,000	
2039				
Service Truck 4X4 (1-ton)	50,000	0	50,000	
Year Total	50,000	0	50,000	
	97,000	0	97,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013			Fleet Superintendent	



5 Year Capital Improvement Plan Summary Golf

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
Championship Golf	3141FF1804	Champ Golf Exterior Icemaker Replacement	Buildings Superintendent	10,500	-	-	-	-	10,500
	3141FF1903	Championship Golf Course Bear Boxes	Grounds Superintendent Golf Courses	6,000	-	-	-	-	6,000
	3141GC1103	Irrigation Improvements	Grounds Superintendent Golf Courses	15,000	26,000	15,000	30,000	27,000	113,000
	3141GC1501	Maintenance Building Drainage, Wash Pad, and Pavement improvements	Engineering Manager	700,000	-	-	-	-	700,000
	3141GC1803	Championship Course Tees	Grounds Superintendent Golf Courses	-	12,000	-	-	-	12,000
	3141GC1901	Practice Green Expansion	Grounds Superintendent Golf Courses	-	-	-	-	150,000	150,000
	3141LI1201	Pavement Maintenance of Parking Lots - Champ Course & Chateau	Senior Engineer	55,000	17,500	65,000	615,000	5,000	757,500
	3141LI1202	Pavement Maintenance of Cart Paths - Champ Course	Senior Engineer	62,500	55,000	55,000	55,000	195,000	422,500
	3141LV1898	Championship Golf Course Electric Cart Fleet and GPS	Director of Golf	378,000	-	-	-	-	378,000
	3142LE1722	2001 Shattertine Aerifier #500	Fleet Superintendent	-	-	-	8,000	-	8,000
	3142LE1723	2017 Toro Force Debris Blower #742	Fleet Superintendent	-	-	10,000	-	-	10,000
	3142LE1725	2015 Carryall Club Car #720	Fleet Superintendent	-	-	-	-	15,000	15,000
	3142LE1726	2015 Carryall Club Car #721	Fleet Superintendent	-	-	-	-	15,000	15,000
	3142LE1737	2006 Carryall Club Car #589	Fleet Superintendent	13,000	-	-	-	-	13,000
	3142LE1738	2006 Carryall Club Car #590	Fleet Superintendent	13,000	-	-	-	-	13,000
	3142LE1739	2006 Carryall Club Car #591	Fleet Superintendent	13,000	-	-	-	-	13,000
	3142LE1741	2016 Bar Cart #724	Fleet Superintendent	17,000	-	-	-	-	17,000
	3142LE1742	2016 Bar Cart #725	Fleet Superintendent	17,000	-	-	-	-	17,000
	3142LE1743	2017 Toro Sand Pro 3020 #744	Fleet Superintendent	-	-	-	22,000	-	22,000
	3142LE1744	2014 Toro Tri-Plex Mower 3250D #694	Fleet Superintendent	-	48,800	-	-	-	48,800
	3142LE1745	2017 Toro 3500D Mower #743	Fleet Superintendent	-	38,000	-	-	-	38,000
	3142LE1746	2012 JD 8500 Fairway Mower #670	Fleet Superintendent	-	92,000	-	-	-	92,000
	3142LE1747	2011 Toro Groundsmaster 4000D #650	Fleet Superintendent	-	69,000	-	-	-	69,000
	3142LE1748	2015 Toro Greensmaster 1600 #711	Fleet Superintendent	-	-	-	11,300	-	11,300
	3142LE1749	2015 Toro Greensmaster 1600 #712	Fleet Superintendent	-	-	-	11,300	-	11,300
	3142LE1750	2013 JD 3235 Fairway Mower #685	Fleet Superintendent	-	-	92,000	-	-	92,000
	3142LE1753	2019 Toro Greensmaster 2120 #797	Fleet Superintendent	-	-	-	17,000	-	17,000
	3142LE1754	2019 Toro Greensmaster 2120 #798	Fleet Superintendent	-	-	-	17,000	-	17,000
	3142LE1755	2019 Toro Greensmaster 2120 #799	Fleet Superintendent	-	-	-	17,000	-	17,000
	3142LE1756	2019 Toro Greensmaster 2120 #800	Fleet Superintendent	-	-	-	17,000	-	17,000
	3142LE1757	2019 Toro Greensmaster 2120 #801	Fleet Superintendent	-	-	-	17,000	-	17,000



5 Year Capital Improvement Plan Summary Golf

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
	3142LE1758	2019 Toro Greensmaster 2120 #802	Fleet Superintendent	-	-	-	17,000	-	17,000
	3142LE1759	2014 3500D Toro Rotary Mower #693	Fleet Superintendent	-	38,000	-	-	-	38,000
	3142LE1861	Toro Greensmaster 1600 #796	Fleet Superintendent	-	-	-	11,300	-	11,300
	3143GC1201	Driving Range Nets	Engineering Technician	90,000	-	-	-	-	90,000
	3143GC1202	Driving Range Improvements	Grounds Superintendent Golf Courses	-	-	-	34,000	-	34,000
	3143GC2002	Range Ball Machine Replacement	Director of Golf	-	-	20,000	-	-	20,000
	3144FF1702	Replace Icemaker Championship Golf Course Cart Barn	Buildings Superintendent	-	10,980	-	-	-	10,980
	3153BD2001	Recoat Chateau F&B Grill and Catering Kitchen Floors	Buildings Superintendent	-	39,700	-	-	-	39,700
	3197HV1749	1997 1-Ton Dump Truck #419	Fleet Superintendent	-	44,000	-	-	-	44,000
	3197LE1721	2017 Toro Aerator #754	Fleet Superintendent	-	-	-	-	28,000	28,000
	3197LE1722	2018 Toro Multi-Pro Sprayer #781	Fleet Superintendent	-	-	-	75,000	-	75,000
	3197LE1729	2017 Toro Multi-Pro Spray Rig #746	Fleet Superintendent	-	-	-	41,000	-	41,000
	3197LE1731	2008 Planetair HD50 #616	Fleet Superintendent	38,000	-	-	-	-	38,000
	3197LE1732	2015 John Deere 1500 Fairway Aerator #716	Fleet Superintendent	-	-	-	-	32,500	32,500
	3197LE1735	2017 TORO Procore 864 Aerator #747	Fleet Superintendent	28,000	-	-	-	32,500	60,500
	3197LE1748	Replace Blade Grinding Equipment	Fleet Superintendent	-	-	-	49,000	-	49,000
	3197LE1752	2017 Deep Tine Aerator #763	Fleet Superintendent	27,000	-	-	-	27,800	54,800
	3197LE1902	Graden Sand Injection Verticutter	Fleet Superintendent	18,500	-	-	-	-	18,500
	3197LE2004	2017 TORO PROCORE 864 AERATOR #756	Fleet Superintendent	33,500	-	-	-	32,500	66,000
	3197LE2020	2010 JD 4120 Tractor #643	Fleet Superintendent	-	32,000	-	-	-	32,000
	3197LE2022	2017 Toro Core Processor #758	Fleet Superintendent	-	-	-	-	26,000	26,000
	3199OE1501	Championship Golf Printer Copier Replacement 955 Fairway	Director of IT	-	-	10,000	-	-	10,000
	Total			1,535,000	522,980	267,000	1,064,900	586,300	3,976,180



5 Year Capital Improvement Plan Summary Golf

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
Mountain Golf	3241GC1101	Mountain Course Greens, Tees and Bunkers	Grounds Superintendent Golf Courses	8,000	8,000	-	-	40,000	56,000
	3241GC1404	Irrigation Improvements	Grounds Superintendent Golf Courses	-	-	30,000	10,000	12,000	52,000
	3241GC1502	Wash Pad Improvements	Engineering Manager	-	5,000	65,000	-	-	70,000
	3241LI2001	Mountain Golf Cart Path Replacement	Director of Golf/Community Services	-	550,000	550,000	550,000	-	1,650,000
	3241LV1899	Mountain Course 58 Cart Fleet	Director of Golf	-	-	-	-	491,200	491,200
	3242LE1720	2018 Toro Force Blower #777	Fleet Superintendent	-	-	10,000	-	-	10,000
	3242LE1721	2015 Carryall Club Car #713	Fleet Superintendent	-	-	-	-	15,000	15,000
	3242LE1722	2015 Carryall Club Car #714	Fleet Superintendent	-	-	-	-	15,000	15,000
	3242LE1723	2015 Carryall Club Car #718	Fleet Superintendent	-	-	-	-	15,000	15,000
	3242LE1724	2015 Carryall Club Car #719	Fleet Superintendent	-	-	-	-	15,000	15,000
	3242LE1726	2016 Bar Cart #726	Fleet Superintendent	20,000	-	-	-	-	20,000
	3242LE1728	2015 Toro 4000D Rough Mower #709	Fleet Superintendent	-	69,000	-	-	-	69,000
	3242LE1729	2015 JD 3235 Fairway Mower #717	Fleet Superintendent	-	-	-	-	93,000	93,000
	3242LE1730	2018 Toro Tri-Plex 3250D Mower #779	Fleet Superintendent	-	-	-	-	45,500	45,500
	3242LE1731	2017 Toro Sand Pro #745	Fleet Superintendent	-	-	-	22,000	-	22,000
	3242LE1732	2018 Toro Tri-Plex Mower #780	Fleet Superintendent	-	-	-	-	60,000	60,000
	3242LE2002	2019 Toro Tri-Plex Mower #795	Fleet Superintendent	-	-	-	-	40,000	40,000
	3242LI1204	Pavement Maintenance of Parking Lot - Mountain Golf Course	Senior Engineer	6,000	12,500	12,500	22,500	27,500	81,000
	3299BD1403	Mountain Course Maintenance Building - Electrical Improvements	Engineering Technician	-	50,000	375,000	-	-	425,000
	3299BD1705	Paint Exterior of Mountain Golf Clubhouse	Buildings Superintendent	-	-	-	-	31,000	31,000
	Total			34,000	694,500	1,042,500	604,500	900,200	3,275,700



Project Summary

Project Number:	3141FF1804
Title:	Champ Golf Exterior Icemaker Replacement
Project Type:	G - Equipment & Software
Division:	41 - Championship Operations
Budget Year:	2021
Finance Option:	
Asset Type:	FF - Furniture and Fixtures
Active:	Yes

Project Description		Replace old unit with a new one that is capable of outdoor use and outdoor exposure both UV and water resistance.	
Project Internal Staff		Building Maintenance	
Project Justification		Old unit coming to the end of projected lifespan. Currently housed in a shed type structure new unit will be placed in a container that will protect it from wildlife and vandalism during closed hours of operation. During open hours, new unit will need to be, designed for outdoor use and outdoor abuse.	
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Champ golf exterior icemaker	8,500	0	8,500
Contingency	1,500	0	1,500
Internal Services	500	0	500
Year Total	10,500	0	10,500
	10,500	0	10,500
Year Identified	Start Date	Est. Completion Date	Manager
2018			Buildings Superintendent
			Project Partner



Project Summary

Project Number: 3141FF1903
Title: Championship Golf Course Bear Boxes
Project Type: G - Equipment & Software
Division: 41 - Championship Operations
Budget Year: 2021
Finance Option:
Asset Type: FF - Furniture and Fixtures
Active: Yes

Project Description				
Installation of bear boxes on the Championship golf course and driving range				
Project Internal Staff				
Project Justification				
Golf course trash cans need to be secure from bear activity, in accordance with other IVGID outdoor venues				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
6 bear boxes	6,000	0	6,000	
Year Total	6,000	0	6,000	
	6,000	0	6,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2019	Sep 1, 2019	Nov 15, 2020	Grounds Superintendent Golf Courses	



Project Summary

Project Number:	3141GC1103
Title:	Irrigation Improvements
Project Type:	E - Capital Maintenance
Division:	41 - Championship Operations
Budget Year:	2021
Finance Option:	
Asset Type:	GC - Golf Course Improvements
Active:	Yes

Project Description

Replacement of Championship Golf Course irrigation components, as well as additions and modifications to the existing system to enhance the efficiency of water application. This includes in-ground components such as sprinkler heads, wiring, mainline and lateral pipes, isolation valves, air relief valves, and quick coupler valves, as well as out of ground components such as field satellites, weather station, radio controls, and central control computer system.

Project Internal Staff

Golf Maintenance Staff will identify and install new components

Project Justification

Golf course irrigation component upgrades are necessary to address normal wear and tear and to continue to improve efficiency of water management. Current technology available will allow us to optimize the performance of the system. The hardware and software used to run the central control computer, sprinkler heads, and field satellites that communicate with the central control are all included. Recommended life cycles according to the Allied Associations of Golf (ASGCA, GCSAA, USGA, and GCBAA): Central control system – computer hardware every 3 years; software as upgrades from the manufacturer (Rainbird) are introduced. Field satellites – approximately every 15-20 years the technology changes enough to look at upgrading the satellites. Sprinklers – on average every 10-15 years a complete head replacement program should be considered. Piping system – a properly designed, installed, and maintained pipe system in this climate should last a minimum of 25-30 years. The Championship Course irrigation system was installed in 2003.

Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Sprinkler head replacement	15,000	0	15,000	
Year Total	15,000	0	15,000	
2022				
Hardware, Software upgrades	11,000	0	11,000	
Sprinkler head replacement	15,000	0	15,000	
Year Total	26,000	0	26,000	
2023				
Sprinkler head replacement	15,000	0	15,000	
Year Total	15,000	0	15,000	
2024				
Field satellite internal component replacement	15,000	0	15,000	
Sprinkler head replacement	15,000	0	15,000	
Year Total	30,000	0	30,000	
2025				
Hardware, Software upgrades	12,000	0	12,000	
Sprinkler head replacement	15,000	0	15,000	
Year Total	27,000	0	27,000	
2026				
Field satellite internal component replacement	15,000	0	15,000	
Year Total	15,000	0	15,000	
2028				
Hardware, Software upgrades	13,000	0	13,000	
Year Total	13,000	0	13,000	
2031				
Hardware, Software upgrades	14,000	0	14,000	
Year Total	14,000	0	14,000	
2033				
GPS/As-built upgrade	15,000	0	15,000	
Pipe system replacement	1,700,000	0	1,700,000	
Year Total	1,715,000	0	1,715,000	
	1,870,000	0	1,870,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Grounds Superintendent Golf Courses	



Project Summary

Project Number:	3141GC1501
Title:	Maintenance Building Drainage, Wash Pad, and Pavement improvements
Project Type:	D - Capital Improvement - Existing Facilities
Division:	41 - Championship Operations
Budget Year:	2021
Finance Option:	
Asset Type:	GC - Golf Course Improvements
Active:	Yes

Project Description			
Site improvements to the 27-year-old Championship Golf Course Maintenance shop site located at the corner of Fairway Blvd and Northwood Blvd. The project includes surface and sub-surface drainage improvements, replacement of failing railroad tie stairs, construction of modern wash pad, and spot pavement repairs. Regulatory compliance may require ADA access improvements. This project replaces former projects identified for Washpad and Pavement reconstruction. The project also includes repairs to the CMU block structure to prevent water intrusion and further damage.			
Project Internal Staff			
Design by an outside consultant with the consultation of IVGID Engineering and Golf staff. IVGID Engineering Dept will manage the contract and bidding process. Construction contract by an outside contractor. The project will be completed by two separate contractors. One contractor will complete the civil site improvement and the second will complete the repairs to the CMU structure.			
Project Justification			
The Maintenance Building at the Championship Golf Course was constructed in 1992. The pavement condition is poor and requires repairs to exceeded its useful life. The sidewalk on the north side of the building has failed and the stairs no longer comply with current building code standards.			
During the winter of 16/17 the shop saw flooding and significant groundwater infiltration through the building slab during elevated precipitation events due to poor drainage at the site. This resulted in significant damage to the interior of the building and a major insurance claim for repair. The permitting necessary to allow the drainage improvements will trigger upgrades to ADA access, the equipment wash down area, and the fertilizer/herbicide loading area to bring these items into compliance with current regulatory requirements.			
Environmental concerns and proximity to a creek require the formal improvements for equipment wash down and runoff retention, as well as the fertilizer/herbicide loading area. Modern wash pad systems conserve water, improve safety and increase overall productivity. Modern fertilizer/herbicide loading systems prevent and contain any spillage during the loading and change over process.			
In November 2019, BJJ Architecture and Engineering investigated the cracks in the Championship Maintenance's CMU wall and prepared a memo to document their findings. BJJ recommends repair of the cracks to prevent water intrusion.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Construction	550,000	0	550,000
Construction Management	55,000	0	55,000
Construction Reserves	55,000	0	55,000
Design	40,000	0	40,000
Year Total	700,000	0	700,000
	700,000	0	700,000
Year Identified	Start Date	Est. Completion Date	Manager
2012			Engineering Manager
			Project Partner



Project Summary

Project Number: 3141GC1803
Title: Championship Course Tees
Project Type: E - Capital Maintenance
Division: 41 - Championship Operations
Budget Year: 2021
Finance Option:
Asset Type: GC - Golf Course Improvements
Active: Yes

Project Description				
Long term maintenance of tee infrastructures, and rebuilding/leveling of tees as needed. Red forward tees were added on several holes a few years ago and were very well received. The remaining red tees are currently being built.				
Project Internal Staff				
Golf maintenance staff will have complete involvement and input in all phases, from design through construction				
Project Justification				
Golf industry standards established by the Allied Associations of Golf (ASCGA, GCSAA, USGA, and GCBA) state how long parts of a golf course should last. Tees are 15-20 years. All golf course infrastructure is evaluated annually to determine the need and time frame for rebuilding or replacement.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Enlarge white tees on 1, 8, 14	12,000	0	12,000	
Year Total	12,000	0	12,000	
	12,000	0	12,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2018				



Project Summary

Project Number:	3141GC1901
Title:	Practice Green Expansion
Project Type:	D - Capital Improvement - Existing Facilities
Division:	41 - Championship Operations
Budget Year:	2021
Finance Option:	
Asset Type:	GC - Golf Course Improvements
Active:	Yes

Project Description		Expansion of the Championship Course practice green and removal of the old bag drop/roundabout area next to the practice green.	
Project Internal Staff		Golf Course Maintenance Staff	
Project Justification		The Championship Course practice green is very small relative to the amount of play and size of tournaments, clinics and junior camps that we host, and the turf quality suffers due to the high traffic experienced over a small area. The idea is to expand into the old bag drop area since it is not used any longer for golfers. This project would also allow for widening of the cart path near the practice green, which is very congested for most of the day.	
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2025			
Practice Green Expansion	150,000	0	150,000
Year Total	150,000	0	150,000
	150,000	0	150,000
Year Identified	Start Date	Est. Completion Date	Manager
2019			Grounds Superintendent Golf Courses
			Project Partner



Project Summary

Project Number:	3141LI1201
Title:	Pavement Maintenance of Parking Lots - Champ Course & Chateau
Project Type:	E - Capital Maintenance
Division:	41 - Championship Operations
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description			
Continued maintenance and repair of Championship Golf Course pavement assets. This includes the parking lot and sidewalks at the Chateau. The Maintenance Shop Driveway is not included here. Assets at the Mountain Course have their own data sheet. Engineering maintains a database on this and other facilities for pavement condition, past projects, and forecasts long-term maintenance and replacement needs.			
Project Internal Staff			
Engineering to perform design, bid, contract administration and inspection tasks for maintenance projects. All construction work to be done by outside contractor.			
Project Justification			
Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. The Chateau lot was Slurry Sealed in 2015 and budgeted again for 2021. High groundwater and age is requiring increased maintenance. Reconstruction is scheduled for 2024. A separate project is planned for 2020 at the Maintenance Shop.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Internal Services	5,000	0	5,000
Slurry Seal & Stripe	50,000	0	50,000
Year Total	55,000	0	55,000
2022			
Crack Fill and repairs	15,000	0	15,000
Internal Services	2,500	0	2,500
Year Total	17,500	0	17,500
2023			
Crack Fill and repairs	10,000	0	10,000
Engineering services	50,000	0	50,000
Internal Services	5,000	0	5,000
Year Total	65,000	0	65,000
2024			
Crack Fill and repairs	5,000	0	5,000
Internal Services	10,000	0	10,000
Rebuilding Chateau Parking Lot	600,000	0	600,000
Year Total	615,000	0	615,000

2025			
Crack Fill and repairs	5,000	0	5,000
Year Total	5,000	0	5,000
2026			
Crack Fill and repairs	5,000	0	5,000
Year Total	5,000	0	5,000
2027			
Crack Fill and repairs	5,000	0	5,000
Slurry Seal & Stripe	15,000	0	15,000
Year Total	20,000	0	20,000
2028			
Crack Fill and repairs	5,000	0	5,000
Year Total	5,000	0	5,000
2029			
Crack Fill and repairs	5,000	0	5,000
Year Total	5,000	0	5,000
2030			
Internal Services	5,000	0	5,000
Slurry Seal & Stripe	50,000	0	50,000
Year Total	55,000	0	55,000
2031			
Crack Fill and repairs	7,500	0	7,500
Year Total	7,500	0	7,500
2032			
Crack Fill and repairs	5,000	0	5,000
Year Total	5,000	0	5,000
2034			
Crack Fill and repairs	10,000	0	10,000
Year Total	10,000	0	10,000
2035			
Internal Services	5,000	0	5,000
Slurry Seal & Stripe	35,000	0	35,000
Year Total	40,000	0	40,000
2036			
Internal Services	10,000	0	10,000
Year Total	10,000	0	10,000
	920,000	0	920,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2016	Jun 30, 2017	Senior Engineer	



Project Summary

Project Number:	3141LI1202
Title:	Pavement Maintenance of Cart Paths - Champ Course
Project Type:	E - Capital Maintenance
Division:	41 - Championship Operations
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description

Continued maintenance and repair of Championship Golf Course cart paths. Assets at the Mountain Course have their own data sheet. Engineering maintains a database on this and other facilities for pavement condition, past projects, and forecasts long-term maintenance and replacement needs. This asset includes 250,000 sf of asphalt.

Project Internal Staff

Engineering to perform design, bid, contract administration and inspection tasks. Work to be done by outside contractor.

Project Justification

Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate accelerate deterioration. Sealing last done in 2007. These pathways see light use but also heavy damage due to age and irrigation and roots. Due to the nature of the facility and golf season regular small recurring annual projects are planned to keep up with a high level of service for the extensive cart path system. Sealing is planned for 2025 and 2026.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
Crack Fill and maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Section Replacement	50,000	0	50,000
Year Total	62,500	0	62,500
2022			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2023			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2024			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000

2025			
Crack Fill and maintenance	10,000	0	10,000
Internal Services	10,000	0	10,000
Sealing Front Nine	125,000	0	125,000
Section Replacement	50,000	0	50,000
Year Total	195,000	0	195,000
2026			
Crack Fill and maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Sealing Back Nine	125,000	0	125,000
Section Replacement	50,000	0	50,000
Year Total	187,500	0	187,500
2027			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2028			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2029			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2030			
Internal Services	10,000	0	10,000
Sealing Front Nine	125,000	0	125,000
Year Total	135,000	0	135,000
2031			
Crack Fill and maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Sealing Back Nine	125,000	0	125,000
Year Total	137,500	0	137,500
2032			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2033			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000

2034			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2035			
Crack Fill and maintenance	10,000	0	10,000
Internal Services	10,000	0	10,000
Sealing Front Nine	125,000	0	125,000
Year Total	145,000	0	145,000
2036			
Sealing Back Nine	125,000	0	125,000
Year Total	125,000	0	125,000
	1,482,500	0	1,482,500

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2016	Jun 30, 2017	Senior Engineer	



Project Summary

Project Number:	3141LV1898
Title:	Championship Golf Course Electric Cart Fleet and GPS
Project Type:	F - Rolling Stock
Division:	44 - Championship Golf Carts
Budget Year:	2021
Finance Option:	Lease Eligible
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description

The Championship Golf Course utilizes a fleet of 80 electric carts as part of its resort level of service. The cart specifications and replacement cycle are designed to have them in highly reliable service condition with higher end amenities. The last several fleets have included GPS units that include distance and other course information. Given the nature of the specifications, the fleets has typically be acquired from Club Car. For several replacement cycles these were acquired through operating leases and turned over every 4 or 5 years depending on condition, primarily the batteries.

Project Internal Staff

Delivery and setup of the fleet is supported by the District Fleet and golf course professional staff.

Ongoing maintenance is done by fleet. Day to day cleaning and recharging is done by golf staff.

Project Justification

The current fleet of 80 carts was purchased in April 2017. The battery life is expected to be 5 years with proper care and recharging. We have seen varied success for battery life depending on the amount of usage. The mountain setting combined with multiple uses in a day can reduce the life expectancy on the batteries. For planning purposes on the carts we will use the four year replacement cycle and monitor condition each year. For the GPS units we will use a cycle of 8 years. The State of NV and the Governmental Accounting Standards Board plan to make lease accounting to be virtually the same as outright purchase beginning in 2020. Therefore we will include this replacement as if it is a purchase. The Data Sheet also assumes the first replacement will include similar GPS and display screen as our currently in service.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
80 cart fleet Cost	378,000	0	378,000
Year Total	378,000	0	378,000
2026			
80 Cart Fleet Replacement	454,000	0	454,000
GPS	166,000	0	166,000
Year Total	620,000	0	620,000
2029			
80 cart fleet Cost	545,000	0	545,000
Year Total	545,000	0	545,000
	1,543,000	0	1,543,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2019	Oct 1, 2020	Mar 31, 2021	Director of Golf	



Project Summary

Project Number: 3142LE1722
Title: 2001 Shattertine Aerifier #500
Project Type: F - Rolling Stock
Division: 41 - Championship Operations
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description				
The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of regular use equipment on a scheduled cycle ranging from five (5) to ten (15) years to meet turf maintenance standards at the District's Golf Courses. The equipment replacement is a vital link in assuring quality turf and grounds condition throughout the District. This aerifier is on a 10-Year replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project.				
Project Justification				
This aerifier is vital for a well maintained Golf operation and necessary to ensure quality turf conditions at both courses. This equipment was moved back from its scheduled replacement date of 10-years to 14-years. The final replacement date is subject to accrued maintenance cost, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
2001 Shattertine Aerifier	8,000	0	8,000	
Year Total	8,000	0	8,000	
2038				
2001 Shattertine Aerifier	10,000	0	10,000	
Year Total	10,000	0	10,000	
	18,000	0	18,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2023	Jun 30, 2024	Fleet Superintendent	



Project Summary

Project Number:	3142LE1723
Title:	2017 Toro Force Debris Blower #742
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description

This is a comprehensive program to purchase replacement equipment for the Championship Golf Course. The CIP equipment replacement program is a scheduled cycle ranging from five (5) to fifteen (15) years. This program is a vital link in meeting cart path maintenances standards, assuring top quality cosmetic conditions of the course overall and keeping up with the latest in maintenance practices and equipment technology. Specifically this blower unit is utilized on all cart paths for blowing pine needles and debris from the pavement. This blower is on a 8-year replacement schedule, subject to maintenance cost, visual inspection and overall condition.

Project Internal Staff

Project Justification

The blower unit is on a 8-year scheduled replacement program. This equipment is a vital link in meeting maintenances standards, assuring top quality conditions and keeping up with the latest in maintenance practices and equipment technology. The final replacement date is subject to accumulated usage (Hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2023			
2005 Boffalo Turbin Debris Blower	10,000	0	10,000
Year Total	10,000	0	10,000
2031			
2005 Boffalo Turbin Debris Blower	11,000	0	11,000
Year Total	11,000	0	11,000
2037			
2005 Boffalo Turbin Debris Blower	12,000	0	12,000
Year Total	12,000	0	12,000
	33,000	0	33,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2019	Jun 30, 2020	Fleet Superintendent	



Project Summary

Project Number:	3142LE1725
Title:	2015 Carryall Club Car #720
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
<p>Replace Carryall (#720): The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's Golf Courses. Specifically utilized for transporting maintenance crews and hauling materials and equipment around the courses. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It is equipped with a dump bed for the release or spreading of material. Presently it is on a 8-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.</p>				
Project Internal Staff				
Project Justification				
<p>This Club Car Carryall is vital to the successful operation of the Golf Courses operation. This grounds maintenance vehicle was moved back in the CIP replacement program from 8-years to 15-years. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
2015 Carryall	15,000	0	15,000	
Year Total	15,000	0	15,000	
2035				
2015 Carryall	18,000	0	18,000	
Year Total	18,000	0	18,000	
	33,000	0	33,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2022	Fleet Superintendent	



Project Summary

Project Number:	3142LE1726
Title:	2015 Carryall Club Car #721
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description

Replace Carryall (#721): The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's Golf Courses. Specifically utilized for transporting maintenance crews and hauling materials and equipment around the courses. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It is equipped with a dump bed for the release or spreading of material. Presently it is on a 8-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.

Project Internal Staff

Project Justification

This Club Car Carryall is vital to the successful operation of the Golf Courses operation. This grounds maintenance vehicle was moved back in the CIP replacement program from 8-years to 15-years. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2025			
2015 Carryall #721	15,000	0	15,000
Year Total	15,000	0	15,000
2035			
2015 Carryall #721	18,000	0	18,000
Year Total	18,000	0	18,000
	33,000	0	33,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2022	Jun 30, 2023	Fleet Superintendent	



Project Summary

Project Number: 3142LE1737
Title: 2006 Carryall Club Car #589
Project Type: F - Rolling Stock
Division: 42 - Championship Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description

Replace Carryall (#589): The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's Golf Courses. Specifically utilized for transporting maintenance crews and hauling materials and equipment around the courses. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It is equipped with a dump bed for the release or spreading of material. Presently it is on a 8-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

This Club Car Carryall is vital to the successful operation of the Golf Courses operation. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Carryall Club Car	13,000	0	13,000
Year Total	13,000	0	13,000
2030			
Carryall Club Car	16,500	0	16,500
Year Total	16,500	0	16,500
2040			
Carryall Club Car	19,200	0	19,200
Year Total	19,200	0	19,200
	48,700	0	48,700

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2022	Fleet Superintendent	



Project Summary

Project Number:	3142LE1738
Title:	2006 Carryall Club Car #590
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
<p>Replace Carryall (#590): The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's Golf Courses. Specifically utilized for transporting maintenance crews and hauling materials and equipment around the courses. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It is equipped with a dump bed for the release or spreading of material. Presently it is on a 8-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.</p>				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This Club Car Carryall is vital to the successful operation of the Golf Courses operation. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Carryall Club Car	13,000	0	13,000	
Year Total	13,000	0	13,000	
2030				
Carryall Club Car	16,500	0	16,500	
Year Total	16,500	0	16,500	
2040				
Carryall Club Car	19,200	0	19,200	
Year Total	19,200	0	19,200	
	48,700	0	48,700	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2022	Fleet Superintendent	



Project Summary

Project Number: 3142LE1739
Title: 2006 Carryall Club Car #591
Project Type: F - Rolling Stock
Division: 42 - Championship Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description

Replace Carryall (#591): The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's Golf Courses. Specifically utilized for transporting maintenance crews and hauling materials and equipment around the courses. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It is equipped with a dump bed for the release or spreading of material. Presently it is on a 8-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

This Club Car Carryall is vital to the successful operation of the Golf Courses operation. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
Carryall Club Car	13,000	0	13,000
Year Total	13,000	0	13,000
2030			
Carryall Club Car	16,500	0	16,500
Year Total	16,500	0	16,500
2040			
Carryall Club Car	19,200	0	19,200
Year Total	19,200	0	19,200
	48,700	0	48,700

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2022	Fleet Superintendent	



Project Summary

Project Number: 3142LE1741
Title: 2016 Bar Cart #724
Project Type: F - Rolling Stock
Division: 42 - Championship Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description				
<p>Replace F&B car cart #724. The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's Golf Courses. Specifically utilized for transporting maintenance crews and hauling materials and equipment around the courses. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It is equipped with a dump bed for the release or spreading of material. Presently it is on a 8-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.</p>				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
<p>This cart is utilized by Championship golf course in their daily operation during the operating season for providing food and beverage services to customers on the courses. Equipment manufacturers' recommendation is replacement of this equipment approximately every five years. However, if these carts are still meeting golf staff requirements and maintenance repair costs continue to be low, these purchases will be moved back in the CIP.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Replace Bar Cart	17,000	0	17,000	
Year Total	17,000	0	17,000	
2028				
Replace Bar Cart	23,000	0	23,000	
Year Total	23,000	0	23,000	
2035				
Replace Bar Cart	26,400	0	26,400	
Year Total	26,400	0	26,400	
	66,400	0	66,400	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Feb 1, 2021	Apr 30, 2021	Fleet Superintendent	



Project Summary

Project Number: 3142LE1742
Title: 2016 Bar Cart #725
Project Type: F - Rolling Stock
Division: 42 - Championship Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description

Replace F&B car cart #725. The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's Golf Courses. Specifically utilized for transporting maintenance crews and hauling materials and equipment around the courses. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It is equipped with a dump bed for the release or spreading of material. Presently it is on a 8-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

This cart is utilized by Championship Golf course in their daily operation during the operating season for providing food and beverage services to customers on the courses. Equipment manufacturers' recommendation is replacement of this equipment approximately every five years. However, if these carts are still meeting golf staff requirements and maintenance repair costs continue to be low, these purchases will be moved back in the CIP.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
Replace Bar Cart	17,000	0	17,000
Year Total	17,000	0	17,000
2028			
Replace Bar Cart	23,000	0	23,000
Year Total	23,000	0	23,000
2035			
Replace Bar Cart	26,400	0	26,400
Year Total	26,400	0	26,400
	66,400	0	66,400

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Feb 1, 2021	Apr 30, 2021	Fleet Superintendent	



Project Summary

Project Number:	3142LE1743
Title:	2017 Toro Sand Pro 3020 #744
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description					
This is a comprehensive program to purchase a replacement sand rake for the Championship Golf Course. The CIP equipment replacement program is a scheduled cycle ranging from five (5) to fifteen (15) years. This program is a vital link in meeting maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. Specifically this sand rake is utilized at Championship Golf for the daily grooming of the sand traps around the course. This equipment is on a 7-year replacement schedule, subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition.					
Project Internal Staff					
Fleet Maintenance Staff will manage this project					
Project Justification					
This Toro Sand Pro sand rake is vital to the successful operation of the Championship Golf Course. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2024					
Toro Sand Pro 3020	22,000	0	22,000		
Year Total	22,000	0	22,000		
2031					
Toro Sand Pro 3020	22,400	0	22,400		
Year Total	22,400	0	22,400		
2038					
Toro Sand Pro 3020	23,000	0	23,000		
Year Total	23,000	0	23,000		
	67,400	0	67,400		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2013			Fleet Superintendent		



Project Summary

Project Number:	3142LE1744
Title:	2014 Toro Tri-Plex Mower 3250D #694
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description	Replace Toro Tri-Plex mower (#694): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This mower is required to meet turf maintenance standards and is a vital link in assuring quality turf and playing condition at the Mountain Golf Course. Specifically this mower will be utilized for mowing putting greens and can also be used for Verticutting greens. Presently this mower is on a 7-years replacement schedule.
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Project Internal Staff	
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Project Justification	This mower is critical to the Golf operation for maintaining a quality cut of the Mountain Golf course putting greens and can also be used to verticut greens. The mower replacement was moved back in the CIP replacement program from 7-years to 11-years. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Toro Tri-PlexMower	48,800	0	48,800
Year Total	48,800	0	48,800
2032			
Toro Tri-PlexMower	50,000	0	50,000
Year Total	50,000	0	50,000
2036			
Toro Tri-PlexMower	52,000	0	52,000
Year Total	52,000	0	52,000
	150,800	0	150,800

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2024	Sep 30, 2024	Fleet Superintendent	



Project Summary

Project Number:	3142LE1745
Title:	2017 Toro 3500D Mower #743
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
Replace Toro 3500D Trim mower (#743): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This mower is required to meet turf maintenance standards and is a vital link in assuring quality turf and playing conditions at the Mountain Golf Course. Specifically this mower will be utilized for mowing the areas around the greens and tee boxes. Presently this mower is on a 7-years replacement schedule.				
Project Internal Staff				
Fleet Maintenance Staff				
Project Justification				
This mower is critical to the Golf operation for maintaining a quality cut around the Mountain Golf course greens and tee boxes. The mower replacement was moved back in the CIP replacement program from 7-years to 9-years and will have an accumulated usage of over 3250 hours at the time of replacement. History tells us that after this equipment type reaches 3000 hours of usage we may expect increased maintenance cost, elevated down time and a high probability of component failure. The final replacement date was determined by the accumulated equipment hours, accrued maintenance cost, oil analysis reports, visual inspection and overall condition.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
JD 3500D Mower	38,000	0	38,000	
Year Total	38,000	0	38,000	
2028				
JD 3500D Mower	40,000	0	40,000	
Year Total	40,000	0	40,000	
2034				
JD 3500D Mower	45,500	0	45,500	
Year Total	45,500	0	45,500	
2040				
JD 3500D Mower	48,000	0	48,000	
Year Total	48,000	0	48,000	
	171,500	0	171,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	Feb 1, 2017	Apr 1, 2017	Fleet Superintendent	



Project Summary

Project Number: 3142LE1746
Title: 2012 JD 8500 Fairway Mower #670
Project Type: F - Rolling Stock
Division: 42 - Championship Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description				
This is a comprehensive program to purchase replacement equipment for both Golf courses. The CIP equipment replacement program is a scheduled cycle ranging from five (5) to fifteen (15) years. This program is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. This fairway mower is on a 8-year replacement schedule, subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This equipment is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. This mower will be replaced with a Toro Fairway mower. the move to Toro Mowers will increase Vender parts and service support and standardize our equipment spare parts inventory already owned by golf.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Fairway Mower	92,000	0	92,000	
Year Total	92,000	0	92,000	
2030				
Fairway Mower	95,500	0	95,500	
Year Total	95,500	0	95,500	
2038				
Fairway Mower	98,500	0	98,500	
Year Total	98,500	0	98,500	
	286,000	0	286,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013			Fleet Superintendent	



Project Summary

Project Number:	3142LE1747
Title:	2011 Toro Groundsmaster 4000D #650
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description	This is a comprehensive program to purchase replacement equipment for both Golf courses. The CIP equipment replacement program is a scheduled cycle ranging from five (5) to fifteen (15) years. This program is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. This rough mower is on a 6-year replacement schedule, subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition.
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Project Internal Staff	Fleet Maintenance Staff will manage this project
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Project Justification	History tells us that after this equipment type reaches 3000 hours of usage we may expect increased maintenance cost, elevated down time and a high probably of component failure. This equipment is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.
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Forecast	
Budget Year	Total Expense Total Revenue Difference
2022	
Toro Groundsmaster Mower	69,000 0 69,000
Year Total	69,000 0 69,000
2028	
Toro Groundsmaster Mower	71,000 0 71,000
Year Total	71,000 0 71,000
2034	
Toro Groundsmaster Mower	73,000 0 73,000
Year Total	73,000 0 73,000
2040	
Toro Groundsmaster Mower	75,500 0 75,500
Year Total	75,500 0 75,500
	288,500 0 288,500

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	Feb 1, 2021	Apr 1, 2021	Fleet Superintendent	



Project Summary

Project Number:	3142LE1748
Title:	2015 Toro Greensmaster 1600 #711
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
Replace Toro Greens Master 1600 mower (#711): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This specialty reel mower is utilized daily to mow the greens collar areas at both the Championship and Mountain Golf Courses. This equipment is required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently this mower is on a 8-year replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This mower is critical to the Championship and Mountain Golf Courses for mowing the collar areas around the putting greens. Required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. The final replacement date is subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Greensmaster 1600	11,300	0	11,300	
Year Total	11,300	0	11,300	
2028				
Greensmaster 1600	12,000	0	12,000	
Year Total	12,000	0	12,000	
2032				
Greensmaster 1600	12,500	0	12,500	
Year Total	12,500	0	12,500	
2036				
Greensmaster 1600	13,000	0	13,000	
Year Total	13,000	0	13,000	
2040				
Greensmaster 1600	13,250	0	13,250	
Year Total	13,250	0	13,250	
	62,050	0	62,050	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number:	3142LE1749
Title:	2015 Toro Greensmaster 1600 #712
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
Replace Toro Greens Master 1600 mower (#712): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This specialty reel mower is utilized daily to mow the greens collar areas at both the Championship and Mountain Golf Courses. This equipment is required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently this mower is on a 8-year replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This mower is critical to the Championship and Mountain Golf Courses for mowing the collar areas around the putting greens. Required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. The final replacement date is subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Greensmaster 1600	11,300	0	11,300	
Year Total	11,300	0	11,300	
2028				
Greensmaster 1600	12,000	0	12,000	
Year Total	12,000	0	12,000	
2032				
Greensmaster 1600	12,500	0	12,500	
Year Total	12,500	0	12,500	
2036				
Greensmaster 1600	13,000	0	13,000	
Year Total	13,000	0	13,000	
2040				
Greensmaster 1600	13,250	0	13,250	
Year Total	13,250	0	13,250	
	62,050	0	62,050	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number:	3142LE1750
Title:	2013 JD 3235 Fairway Mower #685
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description	<p>This is a comprehensive program to purchase replacement equipment for both Golf courses. The CIP equipment replacement program is a scheduled cycle ranging from five (5) to fifteen (15) years. This program is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. This fairway mower is on a 8-year replacement schedule, subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition.</p>
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Project Internal Staff	<p>Fleet Maintenance Staff will manage this project</p>
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Project Justification	<p>This equipment is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2023			
Fairway Mower	92,000	0	92,000
Year Total	92,000	0	92,000
2031			
Fairway Mower	96,000	0	96,000
Year Total	96,000	0	96,000
2039			
Fairway Mower	99,000	0	99,000
Year Total	99,000	0	99,000
	287,000	0	287,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2022	Fleet Superintendent	



Project Summary

Project Number:	3142LE1753
Title:	2019 Toro Greensmaster 2120 #797
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
Replace Toro Greens Master 2120 mower (#797): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This specialty reel mower is utilized daily to mow the putting greens at the Championship Golf Course. This equipment is required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently this mower is on a 6-year replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This mower is critical for mowing the putting greens at the Championship Golf Course. Required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently it is on a 6-year replacement schedule, the final replacement date is subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Toro Greensmaster 2120	17,000	0	17,000	
Year Total	17,000	0	17,000	
2028				
Toro Greensmaster 2120	17,300	0	17,300	
Year Total	17,300	0	17,300	
2032				
Toro Greensmaster 2120	17,600	0	17,600	
Year Total	17,600	0	17,600	
2036				
Toro Greensmaster 2120	17,900	0	17,900	
Year Total	17,900	0	17,900	
2040				
Toro Greensmaster 2120	18,200	0	18,200	
Year Total	18,200	0	18,200	
	88,000	0	88,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner

2013	Jan 31, 2019	Mar 31, 2019	Fleet Superintendent	
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Project Summary

Project Number:	3142LE1754
Title:	2019 Toro Greensmaster 2120 #798
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description

Replace Toro Greens Master 2120 mower (#798): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This specialty reel mower is utilized daily to mow the putting greens at the Championship Golf Course. This equipment is required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently this mower is on a 6-year replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

This mower is critical for mowing the putting greens at the Championship Golf Course. Required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently it is on a 6-year replacement schedule, the final replacement date is subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2024			
Toro Greensmaster 2120	17,000	0	17,000
Year Total	17,000	0	17,000
2028			
Toro Greensmaster 2120	17,300	0	17,300
Year Total	17,300	0	17,300
2032			
Toro Greensmaster 2120	17,600	0	17,600
Year Total	17,600	0	17,600
2036			
Toro Greensmaster 2120	17,900	0	17,900
Year Total	17,900	0	17,900
2040			
Toro Greensmaster 2120	18,200	0	18,200
Year Total	18,200	0	18,200
	88,000	0	88,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
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2013	Jan 1, 2019	Mar 31, 2019	Fleet Superintendent	
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Project Summary

Project Number:	3142LE1755
Title:	2019 Toro Greensmaster 2120 #799
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
<p>Replace Toro Greens Master 2120 mower (#799): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This specialty reel mower is utilized daily to mow the putting greens at the Championship Golf Course. This equipment is required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently this mower is on a 6-year replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
<p>This mower is critical for mowing the putting greens at the Championship Golf Course. Required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently it is on a 6-year replacement schedule, the final replacement date is subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Toro Greensmaster 2120	17,000	0	17,000	
Year Total	17,000	0	17,000	
2028				
Toro Greensmaster 2120	17,300	0	17,300	
Year Total	17,300	0	17,300	
2032				
Toro Greensmaster 2120	17,600	0	17,600	
Year Total	17,600	0	17,600	
2036				
Toro Greensmaster 2120	17,900	0	17,900	
Year Total	17,900	0	17,900	
2040				
Toro Greensmaster 2120	18,200	0	18,200	
Year Total	18,200	0	18,200	
	88,000	0	88,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner

2013	Jan 31, 2019	Mar 31, 2019	Fleet Superintendent	
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Project Summary

Project Number: 3142LE1756
Title: 2019 Toro Greensmaster 2120 #800
Project Type: F - Rolling Stock
Division: 42 - Championship Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description				
Replace Toro Greens Master 2120 mower (#800): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This specialty reel mower is utilized daily to mow the putting greens at the Championship Golf Course. This equipment is required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently this mower is on a 6-year replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This mower is critical for mowing the putting greens at the Championship Golf Course. Required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently it is on a 6-year replacement schedule, the final replacement date is subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Toro Greensmaster 2120	17,000	0	17,000	
Year Total	17,000	0	17,000	
2028				
Toro Greensmaster 2120	17,300	0	17,300	
Year Total	17,300	0	17,300	
2032				
Toro Greensmaster 2120	17,600	0	17,600	
Year Total	17,600	0	17,600	
2036				
Toro Greensmaster 2120	17,900	0	17,900	
Year Total	17,900	0	17,900	
2040				
Toro Greensmaster 2120	18,200	0	18,200	
Year Total	18,200	0	18,200	
	88,000	0	88,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	Jan 31, 2019	Mar 31, 2019	Fleet Superintendent	



Project Summary

Project Number:	3142LE1757
Title:	2019 Toro Greensmaster 2120 #801
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
Replace Toro Greens Master 2120 mower (#801): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This specialty reel mower is utilized daily to mow the putting greens at the Championship Golf Course. This equipment is required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently this mower is on a 6-year replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This mower is critical for mowing the putting greens at the Championship Golf Course. Required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently it is on a 6-year replacement schedule, the final replacement date is subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Toro Greensmaster 1000	17,000	0	17,000	
Year Total	17,000	0	17,000	
2028				
Toro Greensmaster 1000	17,300	0	17,300	
Year Total	17,300	0	17,300	
2032				
Toro Greensmaster 1000	17,600	0	17,600	
Year Total	17,600	0	17,600	
2036				
Toro Greensmaster 1000	17,900	0	17,900	
Year Total	17,900	0	17,900	
2040				
Toro Greensmaster 1000	18,200	0	18,200	
Year Total	18,200	0	18,200	
	88,000	0	88,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	Jan 31, 2019	Mar 31, 2019	Fleet Superintendent	



Project Summary

Project Number:	3142LE1758
Title:	2019 Toro Greensmaster 2120 #802
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
Replace Toro Greens Master 2120 mower (#802): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This specialty reel mower is utilized daily to mow the putting greens at the Championship Golf Course. This equipment is required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently this mower is on a 6-year replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This mower is critical for mowing the putting greens at the Championship Golf Course. Required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently it is on a 6-year replacement schedule, the final replacement date is subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Toro Greensmaster 1000	17,000	0	17,000	
Year Total	17,000	0	17,000	
2028				
Toro Greensmaster 1000	17,300	0	17,300	
Year Total	17,300	0	17,300	
2032				
Toro Greensmaster 1000	17,600	0	17,600	
Year Total	17,600	0	17,600	
2036				
Toro Greensmaster 1000	17,900	0	17,900	
Year Total	17,900	0	17,900	
2040				
Toro Greensmaster 1000	18,200	0	18,200	
Year Total	18,200	0	18,200	
	88,000	0	88,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner

2013	Jan 31, 2019	Mar 31, 2019	Fleet Superintendent	
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Project Summary

Project Number:	3142LE1759
Title:	2014 3500D Toro Rotary Mower #693
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
<p>Replace Toro 3500D Rotary Mower (#693): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This mower is required to meet turf maintenance standards and is a vital link in assuring quality turf and playing condition at the Championship Golf Course. Specifically this mower will be utilized for mowing the areas around the greens and tee boxes. Presently this mower is on a 6-years replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.</p>				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This mower is critical to the Golf operation for maintaining a quality cut around the Championship Golf course greens and tee boxes. The mower is presently on a 6-year replacement schedule. The final replacement date will be determined by the accumulated equipment hours, accrued maintenance cost, oil analysis reports, visual inspection and overall condition.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Toro Rotary Mower	38,000	0	38,000	
Year Total	38,000	0	38,000	
2028				
Toro Rotary Mower	40,000	0	40,000	
Year Total	40,000	0	40,000	
2034				
Toro Rotary Mower	45,500	0	45,500	
Year Total	45,500	0	45,500	
2040				
Toro Rotary Mower	48,000	0	48,000	
Year Total	48,000	0	48,000	
	171,500	0	171,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Sep 30, 2021	Fleet Superintendent	



Project Summary

Project Number:	3142LE1861
Title:	Toro Greensmaster 1600 #796
Project Type:	E - Capital Maintenance
Division:	42 - Championship Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
Replace Toro Greens Master 1600 mower (#796): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This specialty reel mower is utilized daily to mow the greens collar areas at both the Championship and Mountain Golf Courses. This equipment is required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. Presently this mower is on a 8-year replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Project Internal Staff				
Fleet Maintenance Staff				
Project Justification				
This mower is critical to the Championship and Mountain Golf Courses for mowing the collar areas around the putting greens. Required to meet turf maintenance standards and is a vital link in delivering a quality product and assuring consistent playing conditions. The final replacement date is subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Toro Greensmaster 1600	11,300	0	11,300	
Year Total	11,300	0	11,300	
2028				
Toro Greensmaster 1600	12,000	0	12,000	
Year Total	12,000	0	12,000	
2032				
Toro Greensmaster 1600	12,500	0	12,500	
Year Total	12,500	0	12,500	
2036				
Toro Greensmaster 1600	13,000	0	13,000	
Year Total	13,000	0	13,000	
2040				
Toro Greensmaster 1600	13,250	0	13,250	
Year Total	13,250	0	13,250	
	62,050	0	62,050	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2018	Jul 2, 2018	Apr 30, 2019	Fleet Superintendent	



Project Summary

Project Number: 3143GC1201
Title: Driving Range Nets
Project Type: G - Equipment & Software
Division: 43 - Driving Range
Budget Year: 2021
Finance Option:
Asset Type: GC - Golf Course Improvements
Active: Yes

Project Description				
The Championship Golf Course Driving range is a critical element of the Championship Golf course amenities. Both residents and visitors utilize the driving range prior to playing a round of golf or just to practice. This project includes replacement of the range nets as well as the poles and hardware holding the nets in place as needed.				
Project Internal Staff				
Engineering and Golf staff will design and solicit proposals for the project. A licensed contractor will install the nets.				
Project Justification				
The nets wear out over time and need to be replaced to ensure a top practice experience for our customers, as well as to ensure the safety of people on the golf course and the neighboring homeowners. The poles will also be evaluated for replacement or fortification the year prior to the nets being replaced.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Replace Nets	90,000	0	90,000	
Year Total	90,000	0	90,000	
2028				
Replace Nets	85,000	0	85,000	
Replace Poles	200,000	0	200,000	
Year Total	285,000	0	285,000	
2030				
Replace Nets	85,000	0	85,000	
Year Total	85,000	0	85,000	
2035				
Replace Nets	85,000	0	85,000	
Year Total	85,000	0	85,000	
	545,000	0	545,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Engineering Technician	



Project Summary

Project Number:	3143GC1202
Title:	Driving Range Improvements
Project Type:	E - Capital Maintenance
Division:	43 - Driving Range
Budget Year:	2021
Finance Option:	
Asset Type:	GC - Golf Course Improvements
Active:	Yes

Project Description					
This is an ongoing program to make improvements to the driving range features and infrastructure. This includes replacement of or improvements to the hitting surface areas, range tee dividers, and bag stands.					
Project Internal Staff					
Golf Staff will be involved in the acquisition and installation.					
Project Justification					
The equipment replacement program is an ongoing program designed to satisfy the needs of replacing daily use equipment. The program is a vital link in assuring a top quality product for the use of our customers. Our driving range is very heavily used by our customers.					
Hitting surfaces wear out over time and need to be replaced to ensure a top experience for our players. Mats were last purchased in 2016.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2024					
Hitting Surface,dividers,stands	34,000	0	34,000		
Year Total	34,000	0	34,000		
	34,000	0	34,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2012			Grounds Superintendent Golf Courses		



Project Summary

Project Number:	3143GC2002
Title:	Range Ball Machine Replacement
Project Type:	G - Equipment & Software
Division:	43 - Driving Range
Budget Year:	2021
Finance Option:	
Asset Type:	GC - Golf Course Improvements
Active:	Yes

Project Description		Replacement of range ball machine		
Project Internal Staff		Director of Golf / Fleet		
Project Justification		Replacement of Range Ball Machine – useful life of current machine will be outlived in 2023		
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2023				
Replace current Range Ball Machine	20,000	0	20,000	
Year Total	20,000	0	20,000	
	20,000	0	20,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2020			Director of Golf	



Project Summary

Project Number:	3144FF1702
Title:	Replace Icemaker Championship Golf Course Cart Barn
Project Type:	G - Equipment & Software
Division:	44 - Championship Golf Carts
Budget Year:	2021
Finance Option:	
Asset Type:	FF - Furniture and Fixtures
Active:	Yes

Project Description				
The ice maker located in the Champ Golf Cart Barn is eight years old. It is used to fill the coolers used on all the golf carts. Based on estimated useful lives and knowledge of the performance of the current equipment, a replacement schedule has been developed for the equipment. It has been determined that replacement should be scheduled every five years				
Project Internal Staff				
Buildings Maintenance Staff				
Project Justification				
The equipment presented is a replacement of the same item as presently in service. There are no changes to capacities. However, properly performing equipment is essential to maintaining health and safety standards as well as serving customers timely and with a quality product.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Contingency	970	0	970	
Icemaker	9,700	0	9,700	
Internal Services	310	0	310	
Year Total	10,980	0	10,980	
2027				
Contingency	1,060	0	1,060	
Icemaker	10,600	0	10,600	
Internal Services	310	0	310	
Year Total	11,970	0	11,970	
	22,950	0	22,950	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016	Jul 1, 2016	Sep 1, 2016	Buildings Superintendent	



Project Summary

Project Number:	3153BD2001
Title:	Recoat Chateau F&B Grill and Catering Kitchen Floors
Project Type:	E - Capital Maintenance
Division:	53 - Food & Beverage - Champ
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
Resurface and coat Chateau Grill and Catering F&B kitchen floor				
Project Internal Staff				
Buildings Maintenance Division				
Project Justification				
<p>The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our employee and guest experience. This project is designed to maintain the value of the Chateau assets.</p> <p>The Chateau F&B Grill and Catering kitchen floors were recoated in 2016/17. Normal wear has begun to degrade the initial coating. The District is currently standardizing the type of floor coating used in high traffic area such as kitchens bathrooms and decks/patios. A neogard epoxy compound is applied which adheres to the floor and wears much better than other products that have been used. It maintains the integrity of the floor, handles use much more efficiently and allows years between a floor recoat.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Contingency	7,500	0	7,500	
Internal Services	7,200	0	7,200	
Recoat Floor	25,000	0	25,000	
Year Total	39,700	0	39,700	
2027				
Contingency	7,000	0	7,000	
Internal Services	8,500	0	8,500	
Recoat Floor	30,000	0	30,000	
Year Total	45,500	0	45,500	
2028				
Internal Services	950	0	950	
Year Total	950	0	950	
2031				
Contingency	7,000	0	7,000	
Internal Services	10,000	0	10,000	
Recoat Floor	35,000	0	35,000	
Year Total	52,000	0	52,000	
	138,150	0	138,150	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016			Buildings Superintendent	



Project Summary

Project Number:	3197HV1749
Title:	1997 1-Ton Dump Truck #419
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	HV - Heavy Duty Vehicles
Active:	Yes

Project Description					
This is the scheduled replacement of the Golf courses 1-ton dump truck. This vehicle is utilized daily during summer months for hauling sod, fill dirt, top soil, green waste and equipment necessary for the maintenance of both Championship and Mountain Golf Courses. Vehicles are on a 10-year replacement schedule but will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.					
Project Internal Staff					
Fleet Maintenance Staff will manage this project					
Project Justification					
This dump truck is utilized by both courses to haul material and debris. The replacement of this vehicle has been moved back in the CIP replacement schedule from 10-years to 21-years. This dump truck due to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition, and repair parts availability has reached the end of its useful service life and is no longer reliable and should be replaced.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2022					
Replace 1-Ton Dump Truck	44,000	0	44,000		
Year Total	44,000	0	44,000		
2032					
Replace 1-Ton Dump Truck	50,000	0	50,000		
Year Total	50,000	0	50,000		
	94,000	0	94,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2012	Nov 1, 2019	Jan 31, 2020	Fleet Superintendent		



Project Summary

Project Number:	3197LE1721
Title:	2017 Toro Aerator #754
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
This is a comprehensive program to purchase replacement equipment for both Golf courses. The CIP equipment replacement program is a scheduled cycle ranging from 4 (4) to fifteen (15) years. This program is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. Specifically utilized at both the Championship and Mountain Golf Courses for aerating tees, greens collars and approaches, this aerator is on a 4-year replacement schedule, subject to maintenance cost, visual inspection and overall condition.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This equipment is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Toro Greens Aerator	28,000	0	28,000	
Year Total	28,000	0	28,000	
2033				
Toro Greens Aerator	28,500	0	28,500	
Year Total	28,500	0	28,500	
	56,500	0	56,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2017	Jun 30, 2018	Fleet Superintendent	



Project Summary

Project Number:	3197LE1722
Title:	2018 Toro Multi-Pro Sprayer #781
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
This is a comprehensive program to purchase replacement equipment for both Golf courses. The CIP equipment replacement program is a scheduled cycle ranging from five (5) to fifteen (15) years. This program is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. This spray rig is utilized at both golf courses for spraying fertilizers on the fairways, as well as on the Parks ball fields. This spray rig is on a 8-year replacement schedule, subject to maintenance cost, visual inspection and overall condition.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This equipment is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. This Spray Rig due to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition has reached the end of its useful service life and is no longer reliable and should be replaced.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Spray Rig	75,000	0	75,000	
Year Total	75,000	0	75,000	
2030				
Spray Rig	76,500	0	76,500	
Year Total	76,500	0	76,500	
2036				
Spray Rig	80,000	0	80,000	
Year Total	80,000	0	80,000	
	231,500	0	231,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	Jan 31, 2018	Mar 31, 2018	Fleet Superintendent	



Project Summary

Project Number:	3197LE1729
Title:	2017 Toro Multi-Pro Spray Rig #746
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description

This is a comprehensive program to purchase replacement equipment for both Golf courses. The CIP equipment replacement program is a scheduled cycle ranging from five (5) to fifteen (15) years. This program is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. Specifically this spray rig is utilized at both the Championship and Mountain Golf Courses for spraying fertilizers on the putting greens, this spray rig is on a 8-year replacement schedule, subject to maintenance cost, visual inspection and overall condition.

Project Internal Staff

Project Justification

This spray rig is on a 8-year scheduled replacement date. This equipment is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2024			
2006 Toro 1250 Spray Rig	41,000	0	41,000
Year Total	41,000	0	41,000
2030			
2006 Toro 1250 Spray Rig	43,000	0	43,000
Year Total	43,000	0	43,000
2036			
2006 Toro 1250 Spray Rig	45,000	0	45,000
Year Total	45,000	0	45,000
	129,000	0	129,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2018	Jun 30, 2019	Fleet Superintendent	



Project Summary

Project Number:	3197LE1731
Title:	2008 Planetair HD50 #616
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description	<p>Replace Planetair HD50 (#616): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This equipment is used to aerate tees and putting greens at both golf courses. Presently this unit is on a 6-year replacement schedule.</p>
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Project Internal Staff	<p>Fleet Maintenance Staff will manage this project</p>
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Project Justification	<p>This equipment is critical to the Golf operation for maintaining the quality playing surface of the putting greens and tee boxes at both golf courses. This unit is used to aerate the soil of putting greens and tee boxes during the playing season with minimal turf damage and without causing any disturbance of playing customers. This equipment is in the CIP replacement program schedule for 6-years. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Planetair HD50	38,000	0	38,000
Year Total	38,000	0	38,000
2027			
Planetair HD50	39,000	0	39,000
Year Total	39,000	0	39,000
2033			
Planetair HD50	40,000	0	40,000
Year Total	40,000	0	40,000
2038			
Planetair HD50	41,000	0	41,000
Year Total	41,000	0	41,000
	158,000	0	158,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number: 3197LE1732
Title: 2015 John Deere 1500 Fairway Aerator #716
Project Type: F - Rolling Stock
Division: 97 - Shared Expenses
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description

This is a comprehensive program to purchase replacement equipment for both Golf courses. The CIP equipment replacement program is a scheduled cycle ranging from five (5) to fifteen (15) years. This program is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. Specifically utilized at both the Championship and Mountain Golf Courses for aerating the fairways, this aerator is on a 6-year replacement schedule, subject to maintenance cost, visual inspection and overall condition.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

Presently this aerator is on a 6-year replacement schedule. This equipment is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2025			
Toro Greens Aerator	32,500	0	32,500
Year Total	32,500	0	32,500
2029			
Toro Greens Aerator	35,000	0	35,000
Year Total	35,000	0	35,000
2033			
Toro Greens Aerator	36,000	0	36,000
Year Total	36,000	0	36,000
2037			
Toro Greens Aerator	37,000	0	37,000
Year Total	37,000	0	37,000
	140,500	0	140,500

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number:	3197LE1735
Title:	2017 TORO Procore 864 Aerator #747
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description					
This is a comprehensive program to purchase replacement equipment for both courses. The CIP equipment replacement program is a scheduled cycle ranging from four (4) to fifteen (15) years. The aeration program is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. Specifically this Aerator is utilized extensively during spring pre-season and fall post season for aerating the fairways at both the Championship and Mountain Golf Courses. This Aerator is on a 4-year replacement schedule, subject to accrued maintenance cost, visual inspection and overall condition.					
Project Internal Staff					
Fleet Maintenance Staff will manage this project					
Project Justification					
This Aerator is essential equipment to the successful operation at the Championship and Mountain Golf Courses. Aerators receive extreme levels of hard use and wear due to the nature of the job they accomplish and require constant maintenance and repair to keep them functioning. This unit experienced major structural failure two years ago, Fleet successfully made repairs and extended this equipment's service life but since then accumulative operational stress is now requiring the replacement of this aerator.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2021					
Aercore Aerator	28,000	0	28,000		
Year Total	28,000	0	28,000		
2025					
Aercore Aerator	32,500	0	32,500		
Year Total	32,500	0	32,500		
2029					
Aercore Aerator	35,000	0	35,000		
Year Total	35,000	0	35,000		
2033					
Aercore Aerator	36,000	0	36,000		
Year Total	36,000	0	36,000		
2037					
Aercore Aerator	37,000	0	37,000		
Year Total	37,000	0	37,000		
	168,500	0	168,500		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2012			Fleet Superintendent		



Project Summary

Project Number: 3197LE1748
Title: Replace Blade Grinding Equipment
Project Type: G - Equipment & Software
Division: 97 - Shared Expenses
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description

The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. The reel and bedknife grinders are required to sharpen all of Golf's mower equipment, numbering over 60 in count. Specifically utilized in the grinding process of the greens, fairway, trim and tri-plex mowers to ensure the quality of cut necessary to meet turf maintenance standards. This is a vital link in assuring quality turf and playing condition at both the Championship and Mountain Golf Courses. Presently this equipment is on a 7-years replacement schedule.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

This reel grinder and bedknife grinders are critical to the successful operation of both golf courses. Presently this equipment is on a 7-year replacement cycle. The final replacement date is subject to accrued maintenance cost, visual inspection and overall condition. The bedknife Grinder to be replaced has exceeded its service life and has been in service for over 16 years. This machine has been moved back several years in the replacement program and no longer provides the service and reliability needed for operations and newer technology equipment will provide a more precise cutting edge and extend bedknife life

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2024			
Replace Reel Grinder	49,000	0	49,000
Year Total	49,000	0	49,000
2034			
Replace Reel Grinder	52,000	0	52,000
Year Total	52,000	0	52,000
	101,000	0	101,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number:	3197LE1752
Title:	2017 Deep Tine Aerator #763
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description

This is a comprehensive program to purchase replacement equipment for both Golf courses. The CIP equipment replacement program is a scheduled cycle ranging from four (4) to fifteen (15) years. This program is a vital link in meeting turf maintenance standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. Specifically utilized at both the Championship and Mountain Golf Courses for aerating the fairways, this aerator is on a 4-year replacement schedule, subject to maintenance cost, visual inspection and overall condition.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

This Deep Tine Aerator is essential equipment to the successful operation at the Championship and Mountain Golf Courses. Aerators receive extreme levels of hard use and wear due to the nature of the job they accomplish and require constant maintenance and repair to keep them functioning. This equipment is a vital link in meeting turf maintenance standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Deep Tine Aerator	27,000	0	27,000
Year Total	27,000	0	27,000
2025			
Deep Tine Aerator	27,800	0	27,800
Year Total	27,800	0	27,800
2029			
Deep Tine Aerator	28,500	0	28,500
Year Total	28,500	0	28,500
2033			
Deep Tine Aerator	29,000	0	29,000
Year Total	29,000	0	29,000
2037			
Deep Tine Aerator	29,800	0	29,800
Year Total	29,800	0	29,800
	142,100	0	142,100

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017			Fleet Superintendent	



Project Summary

Project Number:	3197LE1902
Title:	Graden Sand Injection Verticutter
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description		The Graden Sand Injection Verticutter is a machine that can verticut greens, tees, and approaches over 1" deep, as well as inject sand to fill the verticut slits at the same time.		
Project Internal Staff				
Project Justification		Greens management involves developing firm playing surfaces and maintaining a firm surface for excellent playability. This machine gives us the option to verticut deeper than we currently do, as well as saving the step of topdressing with sand afterwards since it injects the sand directly.		
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Deep Verticutter	18,500	0	18,500	
Year Total	18,500	0	18,500	
2026				
Deep Verticutter	20,000	0	20,000	
Year Total	20,000	0	20,000	
2031				
Deep Verticutter	20,500	0	20,500	
Year Total	20,500	0	20,500	
2036				
Deep Verticutter	30,000	0	30,000	
Year Total	30,000	0	30,000	
	89,000	0	89,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2019	Jul 1, 2020	Sep 1, 2020	Fleet Superintendent	



Project Summary

Project Number:	3197LE2004
Title:	2017 TORO PROCORE 864 AERATOR #756
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
This is a comprehensive program to purchase replacement equipment for both courses. The CIP equipment replacement program is a scheduled cycle ranging from four (4) to fifteen (15) years. The aeration program is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. Specifically this Aerator is utilized extensively during spring pre-season and fall post season for aerating the fairways at both the Championship and Mountain Golf Courses. This Aerator is on a 4-year replacement schedule, subject to accrued maintenance cost, visual inspection and overall condition.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This Aerator is essential equipment to the successful operation at the Championship and Mountain Golf Courses. Aerators receive extreme levels of hard use and wear due to the nature of the job they accomplish and require constant maintenance and repair to keep them functioning. This unit experienced major structural failure two years ago, Fleet successfully made repairs and extended this equipment's service life but since then accumulative operational stress is now requiring the replacement of this aerator.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
2017 TORO PROCORE 864 AERATOR #756	33,500	0	33,500	
Year Total	33,500	0	33,500	
2025				
2017 TORO PROCORE 864 AERATOR #756	32,500	0	32,500	
Year Total	32,500	0	32,500	
2029				
2017 TORO PROCORE 864 AERATOR #756	35,000	0	35,000	
Year Total	35,000	0	35,000	
2033				
2017 TORO PROCORE 864 AERATOR #756	36,000	0	36,000	
Year Total	36,000	0	36,000	
2037				
2017 TORO PROCORE 864 AERATOR #756	37,000	0	37,000	
Year Total	37,000	0	37,000	
	174,000	0	174,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2020			Fleet Superintendent	



Project Summary

Project Number:	3197LE2020
Title:	2010 JD 4120 Tractor #643
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description	<p>The equipment purchase program is an ongoing program designed to accomplish the goal of furnishing required daily use equipment to meet District needs. This tractor is a vital link in assuring top quality turf conditions throughout the Districts facilities. Specifically utilized in conjunction with auxiliary turf maintenance equipment requiring a tractor equipped with a power take off unit for operation of the different implements. This tractor will service the parks, soccer fields, ball fields, greenbelts and other large turf areas and also be used at Championship and Mountain Golf Courses. This equipment is on a 15-year replacement schedule and will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.</p>
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Project Internal Staff	<p>Fleet Maintenance Staff will manage this project</p>
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Project Justification	<p>This tractor will be operated by the Parks and Golf Operations. Being specifically utilized for the daily maintenance activities of the beaches, parks, ball fields, soccer fields and other large turf areas. The tractor will also be used on the High School football field. The High School is then billed for all services and equipment used. This tractor is designed and required to operate additional tractor attachments purchased in recent years, such as the ball field drag leveler, shatter -tine slicer, Rack-O-Vac, top dresser, surf rake and aerators. Cost savings have occurred by increased use of attachments rather than purchasing higher costing self propelled equipments. The Golf operations and the Parks operation continue to share equipment at every opportunity. Both Parks and Golf have deleted other new equipment purchases from their CIP plan to be more effective and efficient. This tractor helps accomplish the overall plan by being able to use a wide variety of attachments to conduct maintenance activities. This tractor will fill the need of conducting routine maintenance in Parks and Golf operations. As with both the Parks and Golf operations timing and efficiency is important when conducting maintenance to free up fields and the courses for uninterrupted use by our customers. This tractor will help increase productivity of maintenance activities by completing tasks more effectively with the increasing number of events and activities at the District's facilities. This equipment is part of the continuing process to implement the concept of sharing equipment between Golf and Parks and reduce rolling stock. The current use of a loader with it's additional weight impacts to turf's compaction. Having this tractor is better suited for operating some types of turf attachments. It will also allow for different work activities with both tractor at the same time. This will be a shared purchase between Golf 50% and Parks Departments 50%</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
2010 JD 4120 Tractor	32,000	0	32,000
Year Total	32,000	0	32,000
2032			
2010 JD 4120 Tractor	42,000	0	42,000
Year Total	42,000	0	42,000
	74,000	0	74,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2020	Jul 1, 2025	Aug 30, 2026	Fleet Superintendent	



Project Summary

Project Number:	3197LE2022
Title:	2017 Toro Core Processor #758
Project Type:	G - Equipment & Software
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
This equipment is used to clean and pick up aeration cores. This equipment is a vital link in assuring well maintained and clean turf and grounds conditions throughout the Champ and Mountain Golf Courses.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Core Processor	26,000	0	26,000	
Year Total	26,000	0	26,000	
2032				
Core Processor	28,000	0	28,000	
Year Total	28,000	0	28,000	
	54,000	0	54,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2021			Fleet Superintendent	



Project Summary

Project Number:	3199OE1501
Title:	Championship Golf Printer Copier Replacement 955 Fairway
Project Type:	G - Equipment & Software
Division:	41 - Championship Operations
Budget Year:	2021
Finance Option:	
Asset Type:	OE - Office Equipment
Active:	Yes

Project Description	Replacement of Championship Golf large volume color/black printer copier utilized in the administrative offices. This includes the operations, programming, revenue office and other users within the Chateau. This device should be replaced every five years which is industry standard. ON average the cost of ownership increases after the fifth year as a result of increased maintenance fees. This project is only for the cost of the device and does not include the monthly maintenance charges, which is a part of the District's comprehensive maintenance plan.
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Project Internal Staff	The IT Technician oversees the maintenance and care and condition assessment of this device.
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Project Justification	The current volume printer copier averages around 15,000 images a month. It is a Xerox WorkCentre 5335 purchased in 2015. Life cycle is 1,200,000 images. At 1/1/16 the meter read was 67,500. Proposed new device will be based on industry comparison for functionality and capacity considering the best pricing we can get from state and local contracts.
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2023			
	10,000	0	10,000
Year Total	10,000	0	10,000
2030			
	15,000	0	15,000
Year Total	15,000	0	15,000
	25,000	0	25,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2014			Director of Golf	



Project Summary

Project Number:	3241GC1101
Title:	Mountain Course Greens, Tees and Bunkers
Project Type:	E - Capital Maintenance
Division:	41 - Mountain Operations
Budget Year:	2021
Finance Option:	
Asset Type:	GC - Golf Course Improvements
Active:	Yes

Project Description				
This an ongoing project to address the long term maintenance and rebuilding of green, tee and bunker infrastructures. The focus is projects that will impact course playability, improve agronomic conditions for healthier turf growth, address safety issues, and improve aesthetics. Tee work includes enlarging, leveling, and shaping, along with installing drainage and a sand cap before sodding the surface. Bunker work includes reshaping, installing drainage and adding new sand. Current progress anticipated as of June 2020: approximately 50% of the tees to be addressed have been completed; 90% of the bunkers have been rebuilt; and all of the bridges have been rebuilt. A new nursery green is being built to replace the current aging, contaminated nursery. The Mountain Course master plan created by Golf Course Architect Kyle Phillips in 2001 has been used as a guide for this work.				
Project Internal Staff				
The work is all planned and completed by in-house staff, with help from a golf course construction shaper when necessary.				
Project Justification				
Mountain Golf Course infrastructure is aging and in need of repair and replacement. Staff has been rebuilding tees and bunkers for the past several years with excellent reviews, and continuing this work will keep the golf course as playable and enjoyable as possible for our customers. Golf industry standards established by the Allied Associations for Golf (ASCGA, GCSAA, USGA, and GCBAA) state how long parts of a golf course should last. Greens are 15-30 years, tees are 15-20 years, bunker sand and drainage are 5-10 years. All golf course infrastructure is evaluated annually to determine the need and time frame for rebuilding or replacement.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Tee Renovation	8,000	0	8,000	
Year Total	8,000	0	8,000	
2022				
Tee Renovation	8,000	0	8,000	
Year Total	8,000	0	8,000	
2025				
Bunker Renovation	10,000	0	10,000	
Bunker Sand/Drainage	30,000	0	30,000	
Year Total	40,000	0	40,000	
2026				
Bunker Renovation	10,000	0	10,000	
Bunker Sand/Drainage	30,000	0	30,000	
Year Total	40,000	0	40,000	
2027				
Bunker Renovation	10,000	0	10,000	
Bunker Sand/Drainage	30,000	0	30,000	
Year Total	40,000	0	40,000	
	136,000	0	136,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Mountain Course Superintendent	



Project Summary

Project Number: 3241GC1404
Title: Irrigation Improvements
Project Type: E - Capital Maintenance
Division: 41 - Mountain Operations
Budget Year: 2021
Finance Option:
Asset Type: GC - Golf Course Improvements
Active: Yes

Project Description				
Replacement of Mountain Golf Course irrigation components as well as additions and modifications to the existing system to enhance the efficiency of water application. This includes in-ground components such as sprinkler heads, wiring, mainline and lateral pipes isolation valves, and quick coupler valves, as well as out of ground components such as field satellites, weather station, radio controls, and central control computer system.				
Project Internal Staff				
Golf Maintenance Staff will identify and install new components.				
Project Justification				
Golf course irrigation component upgrades are necessary to address normal wear and tear and to continue to improve efficiency of water management. Current technology available will allow us to optimize the performance of the system. The hardware and software used to run the central control computer, sprinkler heads, and field satellites that communicate with the central control are all included. Recommended life cycles according to the Allied Associations of Golf (ASGCA, GCSAA, USGA, and GCBAA): Central control system - computer hardware every 5 years; software as upgrades from the manufacturer (Toro) are introduced. Field satellites – approximately every 10-15 years the technology changes enough to look at upgrading the satellites. Sprinklers – on average every 10-15 years a complete head replacement program should be considered. Piping system – a properly designed, installed, and maintained pipe system in this climate should last a minimum of 25 -30 years. The Mountain Course irrigation system was installed in 1998.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2023				
Field satellite replacement	30,000	0	30,000	
Year Total	30,000	0	30,000	
2024				
Sprinkler head replacement	10,000	0	10,000	
Year Total	10,000	0	10,000	
2025				
Hardware, Software upgrades	12,000	0	12,000	
Year Total	12,000	0	12,000	
2028				
Pipe system replacement	800,000	0	800,000	
Year Total	800,000	0	800,000	
	852,000	0	852,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Mountain Course Superintendent	



Project Summary

Project Number:	3241GC1502
Title:	Wash Pad Improvements
Project Type:	D - Capital Improvement - Existing Facilities
Division:	41 - Mountain Operations
Budget Year:	2021
Finance Option:	
Asset Type:	GC - Golf Course Improvements
Active:	Yes

Project Description				
Construct a recycled water wash pad system and dedicated pad at Mtn Golf. These facilities prevent contaminants from entering groundwater or drainage ways in the vicinity of our current wash facilities. The project also includes reconfiguration of the wash pads so that more than one person at a time can clean equipment.				
Project Internal Staff				
Golf staff will work with Engineering to design and bid the recycled water wash pad system. A licensed contractor will construct the proposed improvements.				
Project Justification				
Environmental issues and restrictions are increasing in the Tahoe basin and golf course industry. These recycled water systems conserve water and improve the discharge water quality to acceptable levels. They also provide a safer dedicated location for employees when washing equipment. The new systems are very efficient and will increase overall productivity by spending less time at the wash area. The current systems only allow for one staff member at a time to wash equipment, requiring other members to stand and wait, which is very inefficient.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Internal Services	5,000	0	5,000	
Year Total	5,000	0	5,000	
2023				
Construction	55,000	0	55,000	
Construction Management	5,000	0	5,000	
Construction Reserves	5,000	0	5,000	
Year Total	65,000	0	65,000	
	70,000	0	70,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Engineering Manager	



Project Summary

Project Number:	3241LI2001
Title:	Mountain Golf Cart Path Replacement
Project Type:	D - Capital Improvement - Existing Facilities
Division:	41 - Mountain Operations
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description				
The Mountain Golf Course has approximately 14,150 linear feet of cart pathways which equates to 110,000 square feet of pavement. In addition, there are approximately 5,000 linear feet of asphalt curb. The last major path project was over 15 years ago. The District has performed replacements at various points each year based on areas of greatest need and within the allotted budget. Due to issues of the base material, overgrowth of sod, and intrusion by tree roots and other material, the current assessment of the condition of the paths suggests substantial remediation and reconstruction is needed. At a minimum, this should be approached in a multi-phase and probably multi-year manner to plan, design, and construct the necessary improvement.				
Project Internal Staff				
Engineering staff will contract with outside civil and geotechnical engineering firms to provide support as necessary throughout the design. The project will be publically bid and constructed by a licensed contractor.				
Project Justification				
Cart paths are to the point where yearly replacement of faulty areas no longer makes financial sense. Condition of paths has become a nuisance for golfers and not within District standards. The District will practice perpetual asset renewal, replacement, and improvement to provide safe and superior long term utility services and recreation activities. Maintain, renew, expand, and enhance District infrastructure to meet the capacity needs and desires of the community for future generations.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Construction	500,000	0	500,000	
Construction Management	50,000	0	50,000	
Year Total	550,000	0	550,000	
2023				
Construction	500,000	0	500,000	
Construction Management	50,000	0	50,000	
Year Total	550,000	0	550,000	
2024				
Construction	500,000	0	500,000	
Construction Management	50,000	0	50,000	
Year Total	550,000	0	550,000	
	1,650,000	0	1,650,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2020	Jul 1, 2020	Jun 30, 2023	Director of Golf/Community Services	



Project Summary

Project Number:	3241LV1899
Title:	Mountain Course 58 Cart Fleet
Project Type:	F - Rolling Stock
Division:	44 - Mountain Golf Carts
Budget Year:	2021
Finance Option:	Lease Eligible
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description

The Mountain Golf Course utilizes a fleet of 58 gas carts, which facilitate use over the hilly terrain of the Course. Historically gas carts have been the only one with power enough for several of the steep climbs and the repeat use that can occur with higher volumes of play during peak summer months. The District will look to replace the existing fleet with gas carts for the 2020 season. There has always been the expectation that some day technology would develop an electric cart capable of the terrain and degree of use. With advancements in lithium battery technology, the District will look at that technology for the 2025 replacement.

Project Internal Staff

Delivery and setup of the fleet is supported by the District Fleet Maintenance and golf course professional staff.

Ongoing maintenance is done by Fleet. Day to day cleaning and preparation is done by the golf staff.

Project Justification

The current fleet of 58 carts was obtained by a lease buyout in October 2017 following six years of service under a lease. The current care and condition of that fleet indicates it can be used without significant expense for maintenance for the 2019 season. A replacement with gas carts will be planned to be in place for the 2020 season. This will require a process beginning in the fall of 2019 with delivery no later than April 2020.

The next replacement of the cart fleet will be 4 to 6 years after 2020. It is expected this replacement will be lithium battery powered carts. If that choice is made, the Mountain Course Cart Building will have to be retro fitted for electrical service to support this type of cart.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2025			
58 Lithium Battery Carts	371,200	0	371,200
Electrical Service Retro Fit	120,000	0	120,000
Year Total	491,200	0	491,200
	491,200	0	491,200

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2019	Dec 2, 2019	Mar 31, 2020	Director of Golf	



Project Summary

Project Number: 3242LE1720
Title: 2018 Toro Force Blower #777
Project Type: F - Rolling Stock
Division: 42 - Mountain Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description				
This is a comprehensive program to purchase replacement equipment for the Championship Golf Course. The CIP equipment replacement program is a scheduled cycle ranging from five (5) to fifteen (15) years. This program is a vital link in meeting cart path maintenances standards, assuring top quality cosmetic conditions of the course overall and keeping up with the latest in maintenance practices and equipment technology. Specifically this blower unit is utilized on all cart paths for blowing pine needles and debris from the pavement. This blower is on a 8-year replacement schedule, subject to maintenance cost, visual inspection and overall condition.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This blower unit was moved back in the CIP several years and has reached the end of its service life. This equipment is a vital link in meeting maintenances standards, assuring top quality conditions and keeping up with the latest in maintenance practices and equipment technology. The final replacement date has been determined by accumulated usage (Hours), accrued maintenance cost, visual inspection and overall condition.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2023				
Turbin Debris Blower	10,000	0	10,000	
Year Total	10,000	0	10,000	
2028				
Turbin Debris Blower	12,000	0	12,000	
Year Total	12,000	0	12,000	
2033				
Turbin Debris Blower	13,000	0	13,000	
Year Total	13,000	0	13,000	
2038				
Turbin Debris Blower	14,000	0	14,000	
Year Total	14,000	0	14,000	
	49,000	0	49,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2017	Jun 30, 2018	Fleet Superintendent	



Project Summary

Project Number:	3242LE1721
Title:	2015 Carryall Club Car #713
Project Type:	F - Rolling Stock
Division:	42 - Mountain Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
<p>Replace Carryall (#713): The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's Golf Courses. Specifically utilized for transporting maintenance crews and hauling materials and equipment around the courses. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It is equipped with a dump bed for the release or spreading of material. Presently it is on a 8-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.</p>				
Project Internal Staff				
Fleet Maintenance Staff				
Project Justification				
<p>This Club Car Carryall is vital to the successful operation of the Golf Courses operation. This grounds maintenance vehicle was moved back in the CIP replacement program from 8-years to 15-years. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Carryall Club Car	15,000	0	15,000	
Year Total	15,000	0	15,000	
2035				
Carryall Club Car	18,000	0	18,000	
Year Total	18,000	0	18,000	
	33,000	0	33,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Feb 1, 2017	Apr 1, 2017	Fleet Superintendent	



Project Summary

Project Number: 3242LE1722
Title: 2015 Carryall Club Car #714
Project Type: F - Rolling Stock
Division: 42 - Mountain Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description				
<p>Replace Carryall (#714): The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's Golf Courses. Specifically utilized for transporting maintenance crews and hauling materials and equipment around the courses. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It is equipped with a dump bed for the release or spreading of material. Presently it is on a 8-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.</p>				
Project Internal Staff				
Fleet Maintenance Staff				
Project Justification				
<p>This Club Car Carryall is vital to the successful operation of the Golf Courses operation. This grounds maintenance vehicle was moved back in the CIP replacement program from 8-years to 15-years. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Carryall Club Car	15,000	0	15,000	
Year Total	15,000	0	15,000	
2035				
Carryall Club Car	18,000	0	18,000	
Year Total	18,000	0	18,000	
	33,000	0	33,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Feb 1, 2017	Apr 1, 2017	Fleet Superintendent	



Project Summary

Project Number:	3242LE1723
Title:	2015 Carryall Club Car #718
Project Type:	F - Rolling Stock
Division:	42 - Mountain Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
<p>Replace Carryall (#718): The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's Golf Courses. Specifically utilized for transporting maintenance crews and hauling materials and equipment around the courses. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It is equipped with a dump bed for the release or spreading of material. Presently it is on a 8-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.</p>				
Project Internal Staff				
Fleet Maintenance Staff				
Project Justification				
<p>This Club Car Carryall is vital to the successful operation of the Golf Courses operation. This grounds maintenance vehicle was moved back in the CIP replacement program from 8-years to 15-years. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Carryall Club Car	15,000	0	15,000	
Year Total	15,000	0	15,000	
2035				
Carryall Club Car	18,000	0	18,000	
Year Total	18,000	0	18,000	
	33,000	0	33,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Feb 1, 2017	Apr 1, 2017	Fleet Superintendent	



Project Summary

Project Number:	3242LE1724
Title:	2015 Carryall Club Car #719
Project Type:	F - Rolling Stock
Division:	42 - Mountain Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
<p>Replace Carryall (#719): The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's Golf Courses. Specifically utilized for transporting maintenance crews and hauling materials and equipment around the courses. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It is equipped with a dump bed for the release or spreading of material. Presently it is on a 8-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.</p>				
Project Internal Staff				
Fleet Maintenance Staff				
Project Justification				
<p>This Club Car Carryall is vital to the successful operation of the Golf Courses operation. This grounds maintenance vehicle was moved back in the CIP replacement program from 8-years to 15-years. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Carryall Club Car	15,000	0	15,000	
Year Total	15,000	0	15,000	
2035				
Carryall Club Car	18,000	0	18,000	
Year Total	18,000	0	18,000	
	33,000	0	33,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Feb 1, 2017	Apr 1, 2017	Fleet Superintendent	



Project Summary

Project Number:	3242LE1726
Title:	2016 Bar Cart #726
Project Type:	F - Rolling Stock
Division:	42 - Mountain Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description					
Replace F&B car cart #726. The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years.					
Project Internal Staff					
Fleet Maintenance Staff will manage this project					
Project Justification					
This cart is utilized by both Mountain Golf course in their daily operation during the operating season for providing food and beverage services to customers on the courses. Equipment manufacturers' recommendation is replacement of this equipment approximately every five (5) years. However, if these carts are still meeting golf staff requirements and maintenance repair costs continue to be low, these purchases will be moved back in the CIP.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2021					
Replace Bar Cart	20,000	0	20,000		
Year Total	20,000	0	20,000		
2028					
Replace Bar Cart	23,000	0	23,000		
Year Total	23,000	0	23,000		
2035					
Replace Bar Cart	26,400	0	26,400		
Year Total	26,400	0	26,400		
	69,400	0	69,400		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2012			Fleet Superintendent		



Project Summary

Project Number: 3242LE1728
Title: 2015 Toro 4000D Rough Mower #709
Project Type: F - Rolling Stock
Division: 42 - Mountain Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description				
This is a comprehensive program to purchase replacement equipment for the Mountain Golf Course. The CIP equipment replacement program is a scheduled cycle ranging from five (5) to fifteen (15) years. This program is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. This rough mower is on a 6-year replacement schedule, subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This equipment is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Rough Mower	69,000	0	69,000	
Year Total	69,000	0	69,000	
2029				
Rough Mower	72,000	0	72,000	
Year Total	72,000	0	72,000	
2036				
Rough Mower	75,000	0	75,000	
Year Total	75,000	0	75,000	
	216,000	0	216,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number: 3242LE1729
Title: 2015 JD 3235 Fairway Mower #717
Project Type: F - Rolling Stock
Division: 42 - Mountain Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description				
This is a comprehensive program to purchase replacement equipment for both Golf courses. The CIP equipment replacement program is a scheduled cycle ranging from five (5) to fifteen (15) years. This program is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. This fairway mower is on a 8-year replacement schedule, subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition.				
Project Internal Staff				
Project Justification				
The replacement of this fairway mower was moved back in the CIP by 2- years, presently scheduled for replacement after 10-years of service. This equipment is a vital link in meeting turf maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. This mower will be replaced with a John Deere 8500 similar to our other fairway mowers. This will standardize our equipment, spare parts inventory and extra reels, already owned by golf, will be interchangeable with this mower.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
JD 3235B Fairway Mower	93,000	0	93,000	
Year Total	93,000	0	93,000	
2033				
JD 3235B Fairway Mower	96,500	0	96,500	
Year Total	96,500	0	96,500	
	189,500	0	189,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number:	3242LE1730
Title:	2018 Toro Tri-Plex 3250D Mower #779
Project Type:	F - Rolling Stock
Division:	42 - Mountain Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
Replace Toro Tri-Plex mower (#779): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This mower is required to meet turf maintenance standards and is a vital link in assuring quality turf and playing condition at the Mountain Golf Course. Specifically this mower will be utilized for mowing putting greens and can also be used for Verticutting greens. Presently this mower is on a 7-years replacement schedule.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This mower is critical to the Golf operation for maintaining a quality cut of the Mountain Golf course putting greens and can also be used to verticut greens. The mower replacement was moved back in the CIP replacement program from 7-years to 10-years and has reached the end of its useful service life. The final replacement decisions are based on accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Tri-PlexMower	45,500	0	45,500	
Year Total	45,500	0	45,500	
2032				
Tri-PlexMower	50,000	0	50,000	
Year Total	50,000	0	50,000	
2039				
Tri-PlexMower	55,000	0	55,000	
Year Total	55,000	0	55,000	
	150,500	0	150,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2017	Jun 30, 2018	Fleet Superintendent	



Project Summary

Project Number:	3242LE1731
Title:	2017 Toro Sand Pro #745
Project Type:	F - Rolling Stock
Division:	42 - Mountain Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description

This is a comprehensive program to replace sand rake (#618) for the Mountain Golf Course. The CIP equipment replacement program is a scheduled cycle ranging from five (5) to fifteen (15) years. This program is a vital link in meeting maintenances standards, assuring top quality playing conditions and keeping up with the latest in maintenance practices and equipment technology. Specifically this sand rake is utilized at Mountain Golf for the daily grooming of the sand traps around the course. This equipment is on a 7-year replacement schedule, subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition.

Project Internal Staff

Project Justification

This Toro Sand-Pro is vital to the successful operation of the Mountain Golf Course. Presently this equipment is on a 7-year replacement schedule, subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2024			
Toro Sand Pro	22,000	0	22,000
Year Total	22,000	0	22,000
2031			
Toro Sand Pro	22,400	0	22,400
Year Total	22,400	0	22,400
2038			
Toro Sand Pro	23,000	0	23,000
Year Total	23,000	0	23,000
	67,400	0	67,400

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number:	3242LE1732
Title:	2018 Toro Tri-Plex Mower #780
Project Type:	F - Rolling Stock
Division:	42 - Mountain Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
Replace Toro Tri-Plex mower (#780): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This mower is required to meet turf maintenance standards and is a vital link in assuring quality turf and playing condition at the Mountain Golf Course. Specifically this mower will be utilized for tee boxes and can also be used for Verticutting greens. Presently this mower is on a 7-years replacement schedule.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This mower is critical to the Golf operation for maintaining a quality cut of the Mountain Golf Course tee boxes and can also be used to verticut greens. The mower replacement is scheduled at 7-years in the CIP replacement program. This Toro Tri-Plex Mower is vital to the successful operation of the Mountain Golf Course and due to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition this equipment has reached the end of its useful life.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Tri-Plex Mower	60,000	0	60,000	
Year Total	60,000	0	60,000	
2032				
Tri-Plex Mower	68,400	0	68,400	
Year Total	68,400	0	68,400	
	128,400	0	128,400	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number: 3242LE2002
Title: 2019 Toro Tri-Plex Mower #795
Project Type: F - Rolling Stock
Division: 42 - Mountain Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description				
Replace Toro Tri-Plex mower (#795): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This mower is required to meet turf maintenance standards and is a vital link in assuring quality turf and playing condition at the Mountain Golf Course. Specifically this mower will be utilized for tee boxes and can also be used for Verticutting greens. Presently this mower is on a 7-years replacement schedule.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This mower is critical to the Golf operation for maintaining a quality cut of the Mountain Golf Course tee boxes and can also be used to verticut greens. The mower replacement is scheduled at 7-years in the CIP replacement program. This Toro Tri-Plex Mower is vital to the successful operation of the Mountain Golf Course and due to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition this equipment has reached the end of its useful life.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Tri-Plex Mower	40,000	0	40,000	
Year Total	40,000	0	40,000	
2032				
Tri-Plex Mower	48,500	0	48,500	
Year Total	48,500	0	48,500	
2038				
Tri-Plex Mower	51,000	0	51,000	
Year Total	51,000	0	51,000	
	139,500	0	139,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2020			Fleet Superintendent	



Project Summary

Project Number:	3242LI1204
Title:	Pavement Maintenance of Parking Lot - Mountain Golf Course
Project Type:	E - Capital Maintenance
Division:	42 - Mountain Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description			
Continued maintenance and repair of Mountain Golf Course parking lot. Engineering maintains a database on this and other facilities for pavement condition, past projects and forecasts long-term maintenance and replacement needs. Parking Lot is approximately 40,000 sf.			
Project Internal Staff			
Engineering to perform design, bid, contract administration and inspection tasks. Work to be done by outside contractor.			
Project Justification			
Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. The parking lot was reconstructed in 2001 and in good condition for its age. Slurry seal is planned for 2020. Concrete flatwork and curbing requires periodic repairs.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Crack fill and Maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
Year Total	6,000	0	6,000
2022			
Crack fill and Maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Year Total	12,500	0	12,500
2023			
Crack fill and Maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Year Total	12,500	0	12,500
2024			
Crack fill and Maintenance	20,000	0	20,000
Internal Services	2,500	0	2,500
Year Total	22,500	0	22,500
2025			
Internal Services	2,500	0	2,500
Slurry Seal	25,000	0	25,000
Year Total	27,500	0	27,500

2026			
Crack fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2027			
Crack fill and Maintenance	7,500	0	7,500
Reconstruct Parking Lot	400,000	0	400,000
Year Total	407,500	0	407,500
2028			
Crack fill and Maintenance	10,000	0	10,000
Year Total	10,000	0	10,000
2029			
Internal Services	2,500	0	2,500
Year Total	2,500	0	2,500
2032			
Slurry Seal	25,000	0	25,000
Year Total	25,000	0	25,000
2033			
Crack fill and Maintenance	10,000	0	10,000
Year Total	10,000	0	10,000
2034			
Internal Services	2,500	0	2,500
Year Total	2,500	0	2,500
	543,500	0	543,500

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Senior Engineer	



Project Summary

Project Number:	3242LI1205
Title:	Pavement Maintenance of Cart Paths - Mountain Golf Course
Project Type:	E - Capital Maintenance
Division:	42 - Mountain Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description

Continued maintenance and repair of Mountain Golf Course cart paths asphalt surfaces. Engineering maintains a database on this and other facilities for pavement condition, past projects and forecasts long-term maintenance and replacement needs. Includes 110,000 sf of pavement. Maintenance of retaining walls and slopes supporting the pathways are budgeted as a separate CIP. Combined projects amount to approximately \$50,000 in annual repairs. The budget has been reduced to \$1 as the work has been rolled into the Cart Path Replacement Project

Project Internal Staff

Engineering to perform design, bid, contract administration, and inspection tasks. Work to be done by outside contractors.

Project Justification

Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate accelerates deterioration. These pathways see light use but also heavy damage due to age and irrigation and roots. Due to the nature of the facility and golf season, regular small recurring annual projects are planned to keep up with a high level of service for the extensive cart path system.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Internal Services	1	0	1
Year Total	1	0	1
2022			
Internal Services	1	0	1
Year Total	1	0	1
2023			
Internal Services	1	0	1
Year Total	1	0	1
2024			
Internal Services	1	0	1
Year Total	1	0	1
2025			
Internal Services	1	0	1
Year Total	1	0	1
2026			
Crack Fill and Maintenance	10,000	0	10,000

Internal Services	5,000	0	5,000
Year Total	15,000	0	15,000
2027			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2028			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2029			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2030			
Internal Services	5,000	0	5,000
Sealing	60,000	0	60,000
Year Total	65,000	0	65,000
2031			
Crack Fill and Maintenance	10,000	0	10,000
Internal Services	5,000	0	5,000
Year Total	15,000	0	15,000
2032			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2033			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2034			
Internal Services	5,000	0	5,000
Section Replacement	50,000	0	50,000
Year Total	55,000	0	55,000
2035			
Internal Services	5,000	0	5,000
Sealing	60,000	0	60,000
Year Total	65,000	0	65,000
2036			
Crack Fill and Maintenance	10,000	0	10,000

Internal Services	5,000	0	5,000
Year Total	15,000	0	15,000
	505,005	0	505,005

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Senior Engineer	



Project Summary

Project Number:	3299BD1403
Title:	Mountain Course Maintenance Building - Electrical Improvements
Project Type:	D - Capital Improvement - Existing Facilities
Division:	41 - Mountain Operations
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
This project will improve the Golf Maintenance Building's electrical and ventilation systems to support the transition to lithium battery-powered golf carts. The proposed improvements are based on Mountain Club Golf Course Maintenance Building Electric Golf Carts - Electrical Systems Feasibility Study, prepared by MSA Engineering Consultants, dated November 2019. The project will also include replacing the aging fuel storage facility with a smaller unit to support the gas-powered golf maintenance equipment.				
Project Internal Staff				
The design will be completed by an outside consultant. Golf Professional Staff and Engineering would support the Design Phase. Engineering would be involved in the inspection and supervision of the Construction Phase.				
Project Justification				
The Board of Trustees has expressed interest in transitioning to electric golf carts. This project will provide the infrastructure necessary to transition from gas golf carts to electric golf carts. Additionally, the existing fuel storage facilities have reached the end of its service life and needs to be replaced. Transitioning the golf carts to electric power will significantly reduce the gasoline demand at Mtn Golf and the new fuel storage facility can be significantly downsized.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Design	50,000	0	50,000	
Year Total	50,000	0	50,000	
2023				
Construction	250,000	0	250,000	
Construction Management	25,000	0	25,000	
Construction Reserves	25,000	0	25,000	
Fuel System Replacement	75,000	0	75,000	
Year Total	375,000	0	375,000	
	425,000	0	425,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Engineering Technician	



Project Summary

Project Number:	3299BD1705
Title:	Paint Exterior of Mountain Golf Clubhouse
Project Type:	E - Capital Maintenance
Division:	41 - Mountain Operations
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description					
Paint exterior of Mountain Golf Course Clubhouse - The exterior paint of the structure is showing significant wear and tear and needs to be addressed.					
Project Internal Staff					
Buildings Maintenance Staff					
Project Justification					
This project is designed to maintain the serviceable life of the Mountain Golf Course Club House and must be completed to prevent further damage to the facility.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2025					
Contingency	7,000	0	7,000		
Internal Services	2,000	0	2,000		
Paint Building Exterior	22,000	0	22,000		
Year Total	31,000	0	31,000		
	31,000	0	31,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2017	Jul 1, 2018	Jul 31, 2018	Buildings Superintendent		



5 Year Capital Improvement Plan Summary Facilities

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
Facilities	3350BD1103	Chateau - Replace Carpet	Buildings Superintendent	-	-	49,500	68,000	-	117,500
	3350BD1302	Resurface Patio Deck - Chateau	Buildings Superintendent	36,000	-	-	-	-	36,000
	3350BD1505	Paint Interior of Chateau	Buildings Superintendent	-	-	40,500	-	-	40,500
	3350BD1506	Paint Exterior of Chateau	Buildings Superintendent	-	47,000	-	-	-	47,000
	3350BD1702	Upgrade Chateau Community Room Lighting Control Module	Buildings Superintendent	-	-	-	-	25,620	25,620
	3350BD1704	Replace Air Walls Chateau	Buildings Superintendent	56,500	-	-	-	-	56,500
	3350BD1803	Replace Carpet in Chateau Grill	Buildings Superintendent	-	30,000	-	-	-	30,000
	3350BD1808	Chateau Community Room Ceiling and Beam Refurbishing	Buildings Superintendent	-	-	-	25,000	-	25,000
	3350ME2001	Retrofit Chateau Ventilation Ducts	Engineering Technician	7,500	-	-	-	-	7,500
	3351BD1501	Aspen Grove - Replace Carpet	Buildings Superintendent	-	11,000	-	-	-	11,000
	3351BD1703	Aspen Grove Outdoor Seating BBQ and Landscaping	Parks Superintendent	-	41,400	10,000	-	-	51,400
	3351BD2101	Dumpster enclosure – Village Green/Aspen Grove	Parks Superintendent	-	45,000	-	-	-	45,000
	3352FF1104	Replace Banquet Serviceware	Sales and Events Coordinator	-	-	-	11,000	66,000	77,000
	3352LV1720	Replace 2013 Cargo Truck #690	Fleet Superintendent	-	-	38,500	-	-	38,500
	Total			100,000	174,400	138,500	104,000	91,620	608,520



Project Summary

Project Number:	3350BD1103
Title:	Chateau - Replace Carpet
Project Type:	E - Capital Maintenance
Division:	50 - Chateau
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
This project is for the on-going replacement of the carpet in the Chateau. The normal life cycle for a high use venue is 5/6 years. The carpets have been maintained on a regular basis which has extended the life but wear spots will inevitably show as well as stains and permanent damage.				
Project Internal Staff				
Staff will supervise and inspect project.				
Project Justification				
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the Chateau asset and customer service				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2023				
Contingency	7,500	0	7,500	
Internal services	2,000	0	2,000	
Repalce carpet downstairs	40,000	0	40,000	
Year Total	49,500	0	49,500	
2024				
Contingency	11,000	0	11,000	
Internal services	2,000	0	2,000	
Replace carpet upstairs	55,000	0	55,000	
Year Total	68,000	0	68,000	
2027				
Contingency	8,500	0	8,500	
Internal services	2,000	0	2,000	
Repalce carpet downstairs	45,000	0	45,000	
Year Total	55,500	0	55,500	
	173,000	0	173,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Nov 4, 2013	Nov 15, 2013	Buildings Superintendent	



Project Summary

Project Number:	3350BD1302
Title:	Resurface Patio Deck - Chateau
Project Type:	E - Capital Maintenance
Division:	50 - Chateau
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
This project is the on-going recoating of the epoxy coating on the Chateau exterior deck. Normal wear and tear has degraded the initial coating. The District is currently standardizing the type of coating used in high traffic areas like decks and patios. The neogard epoxy coating compound is applied and adheres to the floor surface and wears much better than other products that have been used. It maintains the integrity of the floor, handles use much more efficiently, and allows years between recoats.				
Project Internal Staff				
Staff will supervise and inspect project				
Project Justification				
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the Chateau asset and customer service.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Contingency	5,000	0	5,000	
Internal Services	1,000	0	1,000	
Resurface Patio Deck	30,000	0	30,000	
Year Total	36,000	0	36,000	
2027				
Contingency	3,200	0	3,200	
Internal Services	500	0	500	
Resurface Patio Deck	31,700	0	31,700	
Year Total	35,400	0	35,400	
	71,400	0	71,400	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	May 1, 2017	May 31, 2017	Buildings Superintendent	



Project Summary

Project Number:	3350BD1505
Title:	Paint Interior of Chateau
Project Type:	E - Capital Maintenance
Division:	50 - Chateau
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description					
The interior paint in the Chateau Community Center was applied in the summer 2004 with the Ballroom walls repainted in 2014. Many areas of the facility are damaged, dirty and stained from usage and age. Touch up paint and repairs have been made to the interior walls of the Buildings to maintain the general appearance of the Facility. However, as more touch up is completed different shades of the same paint become visible due to age of the existing paint. By repairing the damaged areas and painting the entire faculty interior it improves what will become a customer service issue, if not addressed and the appearance and further protects the overall interior.					
Project Internal Staff					
Staff will supervise and inspect contractor installation project. Buildings staff will assist in moving furniture and equipment					
Project Justification					
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the Chateau Community Center asset and customer service.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2023					
Contingency	7,500	0	7,500		
Internal Services	3,000	0	3,000		
Paint Interior	30,000	0	30,000		
Year Total	40,500	0	40,500		
	40,500	0	40,500		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2013			Buildings Superintendent		



Project Summary

Project Number:	3350BD1506
Title:	Paint Exterior of Chateau
Project Type:	E - Capital Maintenance
Division:	50 - Chateau
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
The exterior paint on the Chateau Community Center was applied in the Spring of 2015. Many parts of the facility are beginning to fade with conditions and age. Touch up paint and repairs to the siding have maintained the overall appearance of the Facility. However as more touch up is completed different shades of the paint become visible due to and weathering of the existing paint. By repairing the damaged siding and painting the entire faculty it improves the appearance and further protects the exterior.				
Project Internal Staff				
Staff will supervise and inspect contractor installation project. Buildings staff will make repairs to the siding prior to painting				
Project Justification				
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the Chateau Community Center asset and customer service.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Contingency	7,000	0	7,000	
Internal Sevices	5,000	0	5,000	
Paint Exterior	35,000	0	35,000	
Year Total	47,000	0	47,000	
2028				
Contingency	8,000	0	8,000	
Internal Sevices	7,500	0	7,500	
Paint Exterior	37,000	0	37,000	
Year Total	52,500	0	52,500	
	99,500	0	99,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013			Buildings Superintendent	



Project Summary

Project Number:	3350BD1702
Title:	Upgrade Chateau Community Room Lighting Control Module
Project Type:	G - Equipment & Software
Division:	50 - Chateau
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description
The lighting control module was installed when the Chateau was constructed. The module regulates functions of the light banks in all three Community Rooms, either separately or together. It allows the user to dim, brighten or shut off the lights. The module failed and replacement parts were located and installed, however, the current system is no longer manufactured and parts will soon be unavailable. Replacement will allow the continued functions that guests and staff expect in a multi use facility.

Project Internal Staff
Buildings Maintenance Staff

Project Justification
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed to maintain the value of the Chateau Community Center asset and customer service.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2025			
Contingency	2,500	0	2,500
Internal Services	620	0	620
Replace Chateau Community Room lighting control module	22,500	0	22,500
Year Total	25,620	0	25,620
2033			
Contingency	2,600	0	2,600
Internal Services	620	0	620
Replace Chateau Community Room lighting control module	25,900	0	25,900
Year Total	29,120	0	29,120
2035			
Contingency	5,400	0	5,400
Internal Services	1,300	0	1,300
Replace Chateau Community Room lighting control module	27,500	0	27,500
Year Total	34,200	0	34,200
	88,940	0	88,940

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
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2016	Aug 1, 2016	Sep 1, 2016	Buildings Superintendent	
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Project Summary

Project Number: 3350BD1704
Title: Replace Air Walls Chateau
Project Type: E - Capital Maintenance
Division: 50 - Chateau
Budget Year: 2021
Finance Option:
Asset Type: BD - Buildings & Structures
Active: Yes

Project Description			
Replace and upgrade current retractable air walls in Chateau Community rooms			
Project Internal Staff			
Buildings Maintenance Staff - Staff will contract out the design, removal and construction as deemed necessary by consultants. Staff will inspect during the construction phase.			
Project Justification			
<p>The current air walls dividing the Community Rooms are from original construction in 2004. While the air walls have been maintained by internal staff and outside contractors, the fabric, panel tracks and guides are beginning to breakdown.</p> <p>The current panels do not retract into the space original designed for them to do so and therefore extend out into the meeting space, eliminating valuable set up area and provide an eye sore for guests. Covers have been purchased to hide the panels but still take up space.</p> <p>An outside consultant will be employed to provide direction toward a solution to the storage issue and the air wall system will be upgraded as well.</p>			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Contingency	5,000	0	5,000
Internal Services	1,500	0	1,500
Replace Air Walls Chateau	50,000	0	50,000
Year Total	56,500	0	56,500
	56,500	0	56,500
Year Identified	Start Date	Est. Completion Date	Manager
2017	Jul 1, 2018	May 1, 2019	Buildings Superintendent
			Project Partner



Project Summary

Project Number:	3350BD1803
Title:	Replace Carpet in Chateau Grill
Project Type:	E - Capital Maintenance
Division:	50 - Chateau
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description					
Replace existing carpet Squares in the Grill. The existing will need removed and sub floor cleaned and prepped for new carpet installation. New carpet to go down will be commercial grade stain resistant rubber backed carpet squares. The style and color decision made by venue manager.					
Project Internal Staff					
Building Maintenance					
Project Justification					
The existing Carpet Squares have been cleaned and new squares placed in high traffic areas but signs of wear and reaching the end of the projected 5- year lifespan. This high visibility area needs to maintain a clean and maintained appearance due to the fact it is the districts golf course restaurant.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2022					
Contingency	5,000	0	5,000		
Grill carpet replacement	22,000	0	22,000		
Internal Services	3,000	0	3,000		
Year Total	30,000	0	30,000		
	30,000	0	30,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2018	Oct 1, 2018	Oct 31, 2018	Buildings Superintendent		



Project Summary

Project Number:	3350BD1808
Title:	Chateau Community Room Ceiling and Beam Refurbishing
Project Type:	E - Capital Maintenance
Division:	50 - Chateau
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description			
Remove failing acoustic ceiling, replace with a more durable product, and re-spray the ceiling. The beams re-paint in existing color and paint all metal connections in black.			
Project Internal Staff			
Building Maintenance			
Project Justification			
Acoustic ceiling is beginning to fail and come off in certain areas. When replaced, we need to use a more durable product. The beams will remain the same color. The metal structural brackets painted black are more in line with current design and will add a depth to the room and highlight the open trusses.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2024			
Chateau community room ceiling and beam refurbishing	25,000	0	25,000
Year Total	25,000	0	25,000
	25,000	0	25,000
Year Identified	Start Date	Est. Completion Date	Manager
2018			Buildings Superintendent
			Project Partner



Project Summary

Project Number:	3350ME2001
Title:	Retrofit Chateau Ventilation Ducts
Project Type:	D - Capital Improvement - Existing Facilities
Division:	50 - Chateau
Budget Year:	2021
Finance Option:	
Asset Type:	ME - Mechanical Equipment
Active:	Yes

Project Description			
Retrofit the existing ventilation ducts on the Chateau to prevent driving precipitation from entering the system and damaging equipment or leaking into the kitchen.			
Project Internal Staff			
The engineering staff will contract with a licensed contractor to complete this project.			
Project Justification			
Rain and snow enter the ventilation system during storm events and cause water damage inside the Chateau. This project will retrofit downdraft hoods of louvers to the existing system to prevent moisture from entering.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Construction	5,000	0	5,000
Design/Staff time	2,500	0	2,500
Year Total	7,500	0	7,500
	7,500	0	7,500
Year Identified	Start Date	Est. Completion Date	Manager
2020			Engineering Technician
			Project Partner



Project Summary

Project Number: 3351BD1501
Title: Aspen Grove - Replace Carpet
Project Type: E - Capital Maintenance
Division: 51 - Aspen Grove
Budget Year: 2021
Finance Option:
Asset Type: BD - Buildings & Structures
Active: Yes

Project Description				
The carpet in the Aspen Grove is original installation from 2008. The normal life cycle for a high use venue is 5/6 years. The carpets have been maintained on a regular basis which has extended the life but wear spots are showing, as well as stains which are now permanent. There is fraying along many of the seams and cutaways. Carpet tile would replace the existing roll carpet as the squares are easy to replace should a problem occur. Carpet replacement is on a 6/7 year replacement cycle. Estimate done by 3rd party contractor				
Project Internal Staff				
Staff will supervise and inspect contractor installation project.				
Project Justification				
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the Aspen Grove asset and customer service				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Contingency	1,500	0	1,500	
Internal Services	1,000	0	1,000	
Replace Carpet	8,500	0	8,500	
Year Total	11,000	0	11,000	
	11,000	0	11,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Oct 1, 2021	Oct 31, 2021	Buildings Superintendent	



Project Summary

Project Number:	3351BD1703
Title:	Aspen Grove Outdoor Seating BBQ and Landscaping
Project Type:	E - Capital Maintenance
Division:	51 - Aspen Grove
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description	This project provides replacements for the capacities needed for events at Aspen Grove.
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Project Internal Staff	Parks Superintendent, Engineering
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Project Justification	<p>The wooden picnic tables are exceeding the expected useful life and have been in service for over twenty-five years. The thirteen wooden picnic tables (seating for 80) require staining twice a year and board replacement is increasingly required as the age of the wood splinters and shows its age. Many of the picnic tables frames have settled and are at varies heights that are not at a consistent standard height. The current picnic tables do not provide wheelchair accessibility. Some of the new tables would allow for handicap accessibility. Currently 4 additional portable tables are used to provide adequate seating. Our current picnic table standard is a plastic/rubber coated metal top and powder coated frame that reduces the need for yearly maintenance such as staining and wood replacement. New tables would provide for 160 seating.</p> <p>The grill replacement will provide for safer and easier adjustment grill heights.</p> <p>Landscape improvements will provide hanging planters and planters for deck and BBQ area. We are planning to add plants along the inside fencing.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
BBQ Improvements - New Grill	5,000	0	5,000
Twenty-six Picnic Tables	36,400	0	36,400
Year Total	41,400	0	41,400
2023			
Landscape Improvements	10,000	0	10,000
Year Total	10,000	0	10,000
	51,400	0	51,400

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017	May 1, 2020	May 1, 2023	Parks Superintendent	



Project Summary

Project Number:	3351BD2101
Title:	Dumpster enclosure – Village Green/Aspen Grove
Project Type:	D - Capital Improvement - Existing Facilities
Division:	51 - Aspen Grove
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description			
Replace Dumpster Enclosure at Aspen Grove to meet standards			
Project Internal Staff			
Parks Superintendent, Engineering			
Project Justification			
The enhancement to the Aspen Grove/Village Green dumpster enclosure will provide an additional place for a recycling dumpster and be aesthetically pleasing in a highly visible location. The dumpster enclosure serves Village Green which hosts a number of special events and the Aspen Grove facility which serves numerous events with food being serviced. It's critical that Catering and Facilities staff has enough dumpster capabilities to secure trash and recycling waste. The current trash dumpster enclosure is built out of wood, and is frequently damaged by bears. This project will bring the trash and recycling enclosure up to more durable standard that will save the cost of frequent repairs associated with a wooden structure. This improvement will help make Parks, Catering and Facilities staff more efficient at collecting trash and improve recycling efforts.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Dumpster Enclosure	45,000	0	45,000
Year Total	45,000	0	45,000
	45,000	0	45,000
Year Identified	Start Date	Est. Completion Date	Manager
2016	May 16, 2021	Jun 30, 2021	Parks Superintendent
			Project Partner



Project Summary

Project Number:	3352FF1104
Title:	Replace Banquet Serviceware
Project Type:	G - Equipment & Software
Division:	52 - Catering
Budget Year:	2021
Finance Option:	
Asset Type:	FF - Furniture and Fixtures
Active:	Yes

Project Description		On-going replacement at the Chateau of 450 count Silverware, 300 count China, and 300 count plate covers all with a 6 to 8year life span		
Project Internal Staff		Banquet Staff		
Project Justification		Through normal wear and tear the Banquet Serviceware requires replacement and replenishment. Plate covers must ordered in conjunction with the China to insure the proper fit and functionality. Typically old China and Silverware is retained and used for off site events.		
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Silverware Place Settings including shipping	11,000	0	11,000	
Year Total	11,000	0	11,000	
2025				
China	33,000	0	33,000	
Plate Covers	33,000	0	33,000	
Year Total	66,000	0	66,000	
2029				
China	36,000	0	36,000	
Plate Covers	36,000	0	36,000	
Year Total	72,000	0	72,000	
2030				
Silverware Place Settings including shipping	13,000	0	13,000	
Year Total	13,000	0	13,000	
	162,000	0	162,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Sales and Events Coordinator	



Project Summary

Project Number:	3352LV1720
Title:	Replace 2013 Cargo Truck #690
Project Type:	F - Rolling Stock
Division:	52 - Catering
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description

This project is for the scheduled replacement of vehicles by the Fleet Division for the Food & Beverage Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.

Project Internal Staff

Fleet and Food & Beverage staff have identified that replacement of this small van to a much larger truck with a cargo box and liftgate would better suit the operational needs of the department and this larger truck would reduce the need for two vehicles. Truck #474 which Food & Beverage operates now could be transferred to Parks Department which has a replacement scheduled of a 1993 pick up. This transfer of asset will lower capital cost by \$25,000

Project Justification

Vehicle #509 is used by the Food and Beverage department to transport food and catering supplies to the various venues with the District. This Van is not properly suited for this job. Cleanliness is a big problem and when things are spilled and the inside of this van needs to be cleaned the interior and electrical system get wet and damaged. This vehicle needs to be replaced by a truck with rear enclosed box to better suit the needs of this operation and overall sanitary conditions

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2023			
Cargo Box Truck	38,500	0	38,500
Year Total	38,500	0	38,500
2030			
Cargo Box Truck	40,000	0	40,000
Year Total	40,000	0	40,000
2037			
Cargo Box Truck	44,000	0	44,000
Year Total	44,000	0	44,000
	122,500	0	122,500

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	Jul 1, 2022	Apr 30, 2023	Fleet Superintendent	



5 Year Capital Improvement Plan Summary Ski

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
Ski	3453BD1806	Base Lodge Walk In Cooler and Food Prep Reconfiguration	Engineering Manager	15,000	200,000	-	-	-	215,000
	3453FF1706	Replace Main Lodge/Snowflake Lodge Dining Furniture and Fixtures	Food and Beverage Director	-	-	49,000	-	-	49,000
	3453FF1707	Replacement of Main and Snowflake Lodge Kitchen Equipment	Food and Beverage Director	-	-	53,000	-	11,000	64,000
	3462HE1502	Crystal Express Ski Lift Maintenance and Improvements	Mountain Operations Manager	55,000	30,000	145,000	-	-	230,000
	3462HE1702	Lakeview Ski Lift Maintenance and Improvements	Mountain Operations Manager	25,000	65,000	17,000	-	39,000	146,000
	3462HE1711	Lodgepole Ski Lift Maintenance and Improvements	Mountain Operations Manager	-	60,000	65,000	-	120,000	245,000
	3462HE1712	Red Fox Ski Lift Maintenance and Improvements	Ski Resort General Manager	-	-	-	20,000	-	20,000
	3462HE1903	Ridge Ski Lift Maintenance and Improvements	Mountain Operations Manager	45,000	-	-	-	-	45,000
	3462LE1720	2016 Polaris Ranger Crew #728	Fleet Superintendent	-	-	-	19,000	-	19,000
	3463HE1721	2013 Snow blower #689	Fleet Superintendent	-	-	-	165,900	-	165,900
	3463HE1722	Loader Tire Chains (1-Set)	Fleet Superintendent	-	9,750	-	-	-	9,750
	3463HE1723	2002 Caterpillar 950G Loader #524	Fleet Superintendent	-	265,000	-	-	-	265,000
	3463HE1724	Replace 2014 Winch Cat Grooming vehicle # 699	Fleet Superintendent	-	-	-	-	415,000	415,000
	3463HE1725	Replace 2014 Grooming vehicle # 700	Fleet Superintendent	-	-	-	-	415,000	415,000
	3463HE1728	Replacement of 2011 Grooming Vehicle # 645	Fleet Superintendent	-	400,000	-	-	-	400,000
	3464BD1403	Resurface Main Lodge Decks	Buildings Superintendent	-	-	-	-	65,000	65,000
	3464LE1601	Ski Resort Snowmobile Fleet Replacement	Fleet Superintendent	16,000	16,500	17,000	17,000	17,500	84,000
	3464LE1729	Snowplow #304A	Fleet Superintendent	-	19,000	-	-	-	19,000
	3464LE1734	2016 Polaris Ranger Crew #723	Fleet Superintendent	-	-	19,000	-	-	19,000
	3464LV1730	2014 Yamaha ATV #695	Fleet Superintendent	-	19,000	-	-	-	19,000
	3464LV1732	2013 Yamaha Rhino (ATV) #674	Fleet Superintendent	21,000	-	-	-	-	21,000
	3464ME1802	Diamond Peak Fuel Storage Facility	Fleet Superintendent	-	-	-	-	20,000	20,000
	3464SI1002	Fan Guns Purchase and Replacement	Mountain Operations Manager	-	160,000	120,000	-	-	280,000
	3467LE1703	Replace Child Ski Center Surface Lift	Ski Resort General Manager	-	72,000	-	-	-	72,000
	3468RE0002	Replace Ski Rental Equipment	Director of Skier Services	200,000	-	-	360,000	210,000	770,000
	3468RE1609	Replace Ski Rental Machinery	Director of Skier Services	-	36,000	-	-	-	36,000
	3469HE1739	Replace 2010 Shuttle Bus #635	Fleet Superintendent	140,000	-	-	-	-	140,000
	3469HE1740	Replace 2010 Shuttle Bus #636	Fleet Superintendent	140,000	-	-	-	-	140,000
	3469LI1105	Pavement Maintenance, Diamond Peak and Ski Way	Senior Engineer	25,000	-	-	-	-	25,000



5 Year Capital Improvement Plan Summary Ski

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
	3469LI1805	Ski Way and Diamond Peak Parking Lot Reconstruction	Engineering Manager	300,000	3,600,000	-	-	-	3,900,000
	3469LV1735	2007 Chevy 1-Ton Pick-Up #596	Fleet Superintendent	-	40,000	-	-	-	40,000
	3469LV1736	2007 Chevy 1-Ton Pick-Up #597	Fleet Superintendent	-	40,000	-	-	-	40,000
	3469LV1737	1991 Ski Passenger Tram #267	Fleet Superintendent	-	22,700	-	-	-	22,700
	3469LV1738	1993 Ski Passenger Tram #283	Fleet Superintendent	-	-	23,400	-	-	23,400
	3499BD1710	Diamond Peak Facilities Flooring Material Replacement	Mountain Operations Manager	55,000	34,000	20,000	20,000	8,000	137,000
	3499BD2002	Arc Flash Study - Ski	Director of Public Works	20,000	-	-	-	-	20,000
	3499OE1205	Replace Staff Uniforms	Ski Resort General Manager	135,000	-	-	-	-	135,000
	3499OE1502	Skier Services Administration Printer Copier Replacement 1210 Ski Way	Director of IT	-	10,000	-	-	-	10,000
	Total			1,192,000	5,098,950	528,400	601,900	1,320,500	8,741,750



Project Summary

Project Number:	3453BD1806
Title:	Base Lodge Walk In Cooler and Food Prep Reconfiguration
Project Type:	D - Capital Improvement - Existing Facilities
Division:	53 - Food & Beverage
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
This project will replace the aging walk-in cooler for the Diamond Peak Base Lodge Kitchen and do so in a manner that reconfigures placement to improve cold storage capacities and food prep operations. Doing so will provide opportunities to significantly enhance the speed of service to the customer.				
Project Internal Staff				
This project will be managed by the Engineering Division with support from Diamond Peak and Food & Beverage Staff.				
Project Justification				
The existing walk-in cooler is undersized relative to operational needs and the kitchen food prep area is awkwardly laid-out in a manner inconsistent with industry best practices.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Design	15,000	0	15,000	
Year Total	15,000	0	15,000	
2022				
Construct Improvements	200,000	0	200,000	
Year Total	200,000	0	200,000	
	215,000	0	215,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2018	Jul 1, 2019	Jun 30, 2021	Engineering Manager	



Project Summary

Project Number:	3453FF1706
Title:	Replace Main Lodge/Snowflake Lodge Dining Furniture and Fixtures
Project Type:	G - Equipment & Software
Division:	53 - Food & Beverage
Budget Year:	2021
Finance Option:	
Asset Type:	FF - Furniture and Fixtures
Active:	Yes

Project Description					
This project outlines the periodic replacement of furnishings and fixtures associated with customer dining experience at the Main and Snowflake Lodge.					
Project Internal Staff					
Management staff will perform the procurement and installation of the furniture.					
Project Justification					
The general purpose of this project is to improve our facilities through required maintenance and replacement improvements that directly or indirectly reflect on our guest's experience. This project is designed to maintain the value of the Diamond Peak Ski Resort asset and customer service.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2023					
Replace Dining Chairs Main Lodge - Snowflake Lodge	49,000	0	49,000		
Year Total	49,000	0	49,000		
2029					
Replace Dining Chairs Main Lodge - Snowflake Lodge	54,000	0	54,000		
Year Total	54,000	0	54,000		
	103,000	0	103,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2018	Jul 1, 2022	Jun 30, 2023	Food and Beverage Director		



Project Summary

Project Number:	3453FF1707
Title:	Replacement of Main and Snowflake Lodge Kitchen Equipment
Project Type:	G - Equipment & Software
Division:	53 - Food & Beverage
Budget Year:	2021
Finance Option:	
Asset Type:	FF - Furniture and Fixtures
Active:	Yes

Project Description			
This project outlines the periodic replacement of kitchen equipment and fixtures associated with customer dining experience at Diamond Peak's Main and Snowflake lodges.			
Project Internal Staff			
Food and Beverage			
Project Justification			
The general purpose of this project is to improve our facilities through required maintenance and replacement improvements that directly or indirectly reflect on our guest's experience. This project is designed to maintain the value of the Diamond Peak Ski Resort asset and customer service.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2023			
Loft bar walk-in cooler	53,000	0	53,000
Year Total	53,000	0	53,000
2025			
Dishwasher Machine	11,000	0	11,000
Year Total	11,000	0	11,000
	64,000	0	64,000
Year Identified	Start Date	Est. Completion Date	Manager
2016	Jul 1, 2022	Jun 30, 2023	Food and Beverage Director
			Project Partner



Project Summary

Project Number:	3462HE1502
Title:	Crystal Express Ski Lift Maintenance and Improvements
Project Type:	E - Capital Maintenance
Division:	62 - Lift Operations
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description				
The District owns 6 aerial ski lifts at Diamond Peak Ski Resort. The lifts were generally constructed between 1969, 1978, 1979, 1995, 1996 and 2003 consisting of fixed grip double chair, fixed grip quad chair and a detachable quad chair. Each lift contains many of the same operating components such as motors, gear reducers, auxiliary engines, fuel tanks, haul ropes, counterweight ropes, line machinery, tension systems, braking systems, bull wheels, carriers and haul rope grips, communication lines, safety control systems, drive control systems, switches, conveying systems and loading systems				
Project Internal Staff				
Mountain and Lift Operations staff will perform the procurement and installation of equipment				
Project Justification				
This Project Funds the replacement and maintenance of equipment listed above within the chair lift system. Staff performs inspections and maintenance on the lift system and plans future major upgrades as equipment reaches the end of its useful life. The age of the equipment, the number of hours operating on the equipment and other equipment analysis, such as manufacture recommendations, ANSI B-77 standards, inspections and non destructive testing usage and wear dictate replacement or rehabilitation of the equipment to maintain a reliable ski lift system to our customers.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Electric Drive Motor Refurbish	55,000	0	55,000	
Year Total	55,000	0	55,000	
2022				
Replace conveying system components	30,000	0	30,000	
Year Total	30,000	0	30,000	
2023				
Replace Bullwheel Bearings	80,000	0	80,000	
Replace Haul Rope Grip Guide Rollers	65,000	0	65,000	
Year Total	145,000	0	145,000	
2026				
Replace Carrier Hanger Axles	180,000	0	180,000	
Year Total	180,000	0	180,000	
2027				
Replace conveying system components	32,000	0	32,000	
Replace Haul Rope Grip Axles	40,000	0	40,000	
Year Total	72,000	0	72,000	
2032				
Replace conveying system components	40,000	0	40,000	
Year Total	40,000	0	40,000	
	522,000	0	522,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner

2017	Jul 1, 2020	Jun 30, 2021	Ski Resort General Manager	
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Project Summary

Project Number: 3462HE1702
Title: Lakeview Ski Lift Maintenance and Improvements
Project Type: E - Capital Maintenance
Division: 62 - Lift Operations
Budget Year: 2021
Finance Option:
Asset Type: HE - Heavy Duty Service Equipment
Active: Yes

Project Description				
The District owns 6 Aerial ski lifts at Diamond Peak Ski Resort. The lifts were generally constructed between 1969, 1979, 1995 and 2003 consisting of fixed grip double chair, fixed grip quad chair and a detachable quad chair. Each lift contains many of the same operating components such as motors, gear reducers, auxiliary engines, fuel tanks, haul ropes, counterweight ropes, line machinery, rope tension systems, braking systems, bull wheels, carriers and haul rope grips, communication lines, safety control systems, drive control systems, switches, conveying systems and loading systems				
Project Internal Staff				
Mountain and Lift operations staff will perform the procurement and installation of the equipment				
Project Justification				
This Project Funds the replacement and maintenance of equipment listed above within the chair lift system. Staff performs inspections and maintenance on the lift system and plans future major upgrades as equipment reaches the end of its useful life. The age of the equipment, the number of operating hours on the lift and other equipment analysis, such as manufacture recommendations, ANSI B-77 standards, inspections and non destructive testing, usage and wear dictate replacement or rehabilitation of the equipment to maintain a reliable ski lift system to our customers.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Replace Drive Terminal Bullwheel Bearings	25,000	0	25,000	
Year Total	25,000	0	25,000	
2022				
Refurbish Overhaul Gear Reducer	65,000	0	65,000	
Year Total	65,000	0	65,000	
2023				
Replace Seat Cushions	17,000	0	17,000	
Year Total	17,000	0	17,000	
2025				
Replace Loading System Belt	39,000	0	39,000	
Year Total	39,000	0	39,000	
2026				
Replace Carrier Haul Rope Grips	192,000	0	192,000	
Year Total	192,000	0	192,000	
	338,000	0	338,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner

2013	Jul 1, 2020	Jun 30, 2021	Ski Resort General Manager	
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Project Summary

Project Number:	3462HE1711
Title:	Lodgepole Ski Lift Maintenance and Improvements
Project Type:	E - Capital Maintenance
Division:	62 - Lift Operations
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description				
The District owns 6 aerial ski lifts at Diamond Peak Ski Resort. The lifts were generally constructed between 1969, 1979, 1995 and 2003 consisting of fixed grip double chair, fixed grip quad chair and a detachable quad chair. Each lift contains many of the same operating components such as motors, gear reducers, auxiliary engines, fuel tanks, haul ropes, counterweight ropes, line machinery, rope tension systems, braking systems, bull wheels, carriers and haul rope grips, communication lines, safety control systems, drive control systems, switches, conveying systems and loading systems.				
Project Internal Staff				
Mountain and Lift Operations staff will perform the procurement and installation of the equipment.				
Project Justification				
This Project Funds the replacement and maintenance of equipment listed above within the chair lift system. Staff performs inspections and maintenance on the lift system and plans future major upgrades as equipment reaches the end of its useful life. The age of the equipment, the number of operating on the lift and other equipment analysis such as manufacture recommendations, ANSI B-77 standards, inspections and non destructive testing, usage and wear, dictate replacement or rehabilitation of the equipment to maintain a reliable ski lift system to our customers.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Replace Bullwheel Bearings	60,000	0	60,000	
Year Total	60,000	0	60,000	
2023				
Refurbish Overhaul Gear Reducer	65,000	0	65,000	
Year Total	65,000	0	65,000	
2025				
Replace Safety Control Systems	120,000	0	120,000	
Year Total	120,000	0	120,000	
2026				
Replace Carrier Hanger Arms	40,000	0	40,000	
Replace Carrier Haul Rope Grips	126,000	0	126,000	
Year Total	166,000	0	166,000	
	411,000	0	411,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017	Jul 1, 2021	Jun 30, 2022	Ski Resort General Manager	



Project Summary

Project Number:	3462HE1712
Title:	Red Fox Ski Lift Maintenance and Improvements
Project Type:	E - Capital Maintenance
Division:	62 - Lift Operations
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description			
The District owns 6 aerial ski lifts at Diamond Peak Ski Resort. The lifts were generally constructed between 1969, 1979, 1995 and 2003 consisting of fixed grip double chair, fixed grip quad chair and a detachable quad chair. Each lift contains many of the same operating components such as motors, gear reducers, auxiliary engines, fuel tanks, haul ropes, counterweight ropes, line machinery, tensioning systems, braking systems, bull wheels, carriers and haul rope grips, communication lines, safety control systems, drive control systems, switches, conveying systems and loading systems			
Project Internal Staff			
Mountain and Lift operations staff will perform the procurement and installation of the equipment			
Project Justification			
This Project Funds the replacement and maintenance of equipment listed above within the chair lift system. Staff performs inspections and maintenance on the lift system and plans future major upgrades as equipment reaches the end of its useful life. The age of the equipment, the number of hours operating the equipment and other equipment analyses, such manufacturer recommendations, ANSI B-77 standards, inspections and non destructive testing, dictate replacement or rehabilitation of the equipment to maintain a reliable ski lift system to our customers.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2024			
Replace Counter Weight Rope	20,000	0	20,000
Year Total	20,000	0	20,000
	20,000	0	20,000
Year Identified	Start Date	Est. Completion Date	Manager
2017			Ski Resort General Manager
			Project Partner



Project Summary

Project Number:	3462HE1903
Title:	Ridge Ski Lift Maintenance and Improvements
Project Type:	E - Capital Maintenance
Division:	62 - Lift Operations
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description			
The District owns 6 Aerial ski lifts at Diamond Peak Ski Resort. The lifts were generally constructed between 1969, 1979, 1995 and 2003 consisting of fixed grip double chair, fixed grip quad chair and a detachable quad chair. Each lift contains many of the same operating components such as motors, gear reducers, auxiliary engines, fuel tanks, haul ropes, counterweight ropes, line machinery, rope tension systems, braking systems, bull wheels, carriers and haul rope grips, communication lines, safety control systems, drive control systems, switches, conveying systems and loading systems. This project includes the replacement of the ski lift haul rope (Cable).			
Project Internal Staff			
Mountain and Lift operations staff will perform the procurement and installation of the equipment.			
Project Justification			
This Project Funds the replacement and maintenance of equipment listed above within the chair lift system. Staff performs inspections and maintenance on the lift system and plans future major upgrades as equipment reaches the end of its useful life. The age of the equipment, the number of hours operating the equipment and other equipment analyses, such manufacturer recommendations, ANSI B-77 standards, inspections and non destructive testing, dictate replacement or rehabilitation of the equipment to maintain a reliable ski lift system to our customers. The general purpose of this project addresses the replacement and maintenance of equipment listed above within the chair lift system. The haul rope was installed in 1976 and no longer meets the measured minimum rope diameter for use per ANSI B-77 standard operating criteria.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Replace Ski Lift Haul Rope	45,000	0	45,000
Year Total	45,000	0	45,000
	45,000	0	45,000
Year Identified	Start Date	Est. Completion Date	Manager
2019	Jul 1, 2020	Jun 30, 2021	Mountain Operations Manager
			Project Partner



Project Summary

Project Number:	3462LE1720
Title:	2016 Polaris Ranger Crew #728
Project Type:	F - Rolling Stock
Division:	62 - Lift Operations
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description

This project is for the scheduled replacement of the utility vehicles, by the Fleet Division, for the Diamond Peak Ski Resort's summer mountain maintenance program. These vehicles are necessary for the transport of repair parts and materials, utilized by staff for sloop and lift maintenance, where standard 4-wheel drive vehicles are unable to traverse. The vehicle replacement is subject to accrued maintenance cost, oil analysis reports and visual inspection for overall condition. This vehicle will be moved back in the CIP program if indicators reveal that no increase in equipment down time or elevated maintenance cost will result by deferring the replacement date.

Project Internal Staff

Project Justification

This utility vehicle is necessary for mountain access where standard 4-wheel drive pick-up trucks are unable to traverse. They are subjected to extreme operating conditions due to the harsh terrain they are required to navigate on a daily basis, for routine mountain sloop and lift maintenance. History shows that maintenance and repair cost exceeds equipment value should we continue to operate these vehicles past their scheduled rotation date, also resulting in excessive equipment down time.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2024	19,000	0	19,000
Year Total	19,000	0	19,000
2032	20,000	0	20,000
Year Total	20,000	0	20,000
2040	24,000	0	24,000
Year Total	24,000	0	24,000
	63,000	0	63,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015	Jul 1, 2024	Sep 30, 2024	Fleet Superintendent	



Project Summary

Project Number:	3463HE1721
Title:	2013 Snow blower #689
Project Type:	F - Rolling Stock
Division:	63 - Slope Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description				
Scheduled replacement of IVGID Public Works snow blower, utilized in conjunction with Public Works Cat 950G wheel loaders. This is an attachment for Cat loader necessary for blowing large accumulations of snow where smaller equipment is not able to handle. Specifically utilized to widen parking lots for increased parking capacity, roadways for safer operation and keeping water reservoir roads open for Utility Division crews maintenance and station repair requirements. This snow blower is on a 10-year replacement schedule subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Equipment will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.				
Project Internal Staff				
Project Justification				
Vital piece of equipment for opening and maintaining roads and parking areas during and after large snow storms. The blower was moved back in the CIP 5-years which will make it 15-years old at time of replacement. This equipment is subject to extreme conditions and high stress loads during the entire time it's operated. This is a high maintenance piece of equipment, under constant repair throughout the season due to extreme vibration and frame stress cracks. The replacement schedule is subject to accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Equipment will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Snow blower #689	165,900	0	165,900	
Year Total	165,900	0	165,900	
2034				
Snow blower #689	175,000	0	175,000	
Year Total	175,000	0	175,000	
	340,900	0	340,900	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number: 3463HE1722
Title: Loader Tire Chains (1-Set)
Project Type: F - Rolling Stock
Division: 63 - Slope Maintenance
Budget Year: 2021
Finance Option:
Asset Type: HE - Heavy Duty Service Equipment
Active: Yes

Project Description			
1-sets of loader tire chains, utilized by the Cat 950G wheel loader #524. These chains are necessary for the safe operation of the loader during the winter snow removal season. These chains are on a 3-year replacement schedule.			
Project Internal Staff			
Fleet Maintenance Staff will manage this project			
Project Justification			
These chains are necessary for the safe operation of the loader during the winter snow removal season and have reached the end of their useful life.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Loader Tire Chains (1-Set)	9,750	0	9,750
Year Total	9,750	0	9,750
2026			
Loader Tire Chains (1-Set)	10,000	0	10,000
Year Total	10,000	0	10,000
2030			
Loader Tire Chains (1-Set)	10,000	0	10,000
Year Total	10,000	0	10,000
2034			
Loader Tire Chains (1-Set)	11,000	0	11,000
Year Total	11,000	0	11,000
2037			
Loader Tire Chains (1-Set)	11,000	0	11,000
Year Total	11,000	0	11,000
	51,750	0	51,750
Year Identified	Start Date	Est. Completion Date	Manager
2012			Fleet Superintendent
			Project Partner



Project Summary

Project Number: 3463HE1723
Title: 2002 Caterpillar 950G Loader #524
Project Type: F - Rolling Stock
Division: 63 - Slope Maintenance
Budget Year: 2021
Finance Option:
Asset Type: HE - Heavy Duty Service Equipment
Active: Yes

Project Description			
This project is for the scheduled replacement of the Ski Resort bucket wheel loader. This loader is on a 15-year replacement cycle subject to equipment operating hours, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. The loader will be moved back in the CIP replacement program if indicators reveal no increased equipment down time or elevated maintenance cost will result by deferring the replacement date.			
Project Internal Staff			
Fleet Maintenance Staff will manage this project			
Project Justification			
This loader is critical to the operation of the Ski Resort to protect revenue and provide safe access for customers, residence and staff. Utilized during winter months for the snow removal requirements on Ski Way and several customer parking areas. This loader is also utilized in conjunction with an attached snow blower for keeping the parking areas widened out to prevent the loss of parking spaces. Additionally ski utilizes this equipment extensively during the summer for the continual maintenance requirements of the mountain operations division.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Caterpillar 950G Loader	265,000	0	265,000
Year Total	265,000	0	265,000
2037			
Caterpillar 950G Loader	280,000	0	280,000
Year Total	280,000	0	280,000
	545,000	0	545,000
Year Identified	Start Date	Est. Completion Date	Manager
2012			Fleet Superintendent
			Project Partner
			Municipal Lease Eligible



Project Summary

Project Number:	3463HE1724
Title:	Replace 2014 Winch Cat Grooming vehicle # 699
Project Type:	F - Rolling Stock
Division:	63 - Slope Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	HV - Heavy Duty Vehicles
Active:	Yes

Project Description	<p>This project is for the scheduled replacement of Diamond Peak's winch snow cat. This snow cat is a specialized piece of equipment used to groom Diamond Peak's steeper, off camber ski runs that no other piece of equipment in the fleet is capable of doing. It is on a 10-year replacement cycle subject to operating hours, accrued maintenance cost, oil analysis reports, visual inspection, and overall condition. Currently, Diamond Peak operates a total of 5-snowcats on the mountain. This replacement plan calls for replacement of one cat every other year in the line grooming fleet (5 cats). Recent research by staff indicates that our local competitors are averaging 30 acres groomed per night for each cat in their fleet - Diamond Peak is currently grooming 32 acres per night for each of our 5 cats in the line grooming fleet. This snow cat will be moved back in the CIP replacement program if indicators reveal no increased equipment down time or elevated maintenance cost will result by deferring the replacement date.</p>
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Project Internal Staff	
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Project Justification	<p>It is necessary to continue the routine replacement of our grooming equipment so that it is replaced prior to major component failure and to continue to stay abreast of industry changes and improvements to provide the best quality product for our skiing guests. Major component failure can cost more than the actual value of these vehicles as their age increases. These components can cost as much as \$25,000 for an engine or \$20,000 for a drive pump and motor set. There are 4-sets of these pump and motor assemblies on this winch snow cat. Grooming vehicles will only be replaced if serviceability, reliability, performance and economic factors dictate. Our records, as well as those of snow cat manufacturers, indicate that the hourly operating cost of a snow cat increases by more than 60% once they pass it's scheduled life cycle. Additionally, downtime increases in direct proportion, diminishing the quality of our grooming product.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2025			
Replace Grooming Vehicle #531 (Net of \$28,500 Trade-in Value of Old Equip.)	415,000	0	415,000
Year Total	415,000	0	415,000
2035			
Replace Grooming Vehicle #531 (Net of \$28,500 Trade-in Value of Old Equip.)	435,000	0	435,000
Year Total	435,000	0	435,000
	850,000	0	850,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015	Jul 1, 2024	Dec 31, 2024	Fleet Superintendent	Municipal Lease Eligible



Project Summary

Project Number:	3463HE1725
Title:	Replace 2014 Grooming vehicle # 700
Project Type:	F - Rolling Stock
Division:	63 - Slope Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	HV - Heavy Duty Vehicles
Active:	Yes

Project Description

This project is for the scheduled replacement of one of Diamond Peak's snow cats. This snow cat is on a 10-year replacement cycle subject to operating hours, accrued maintenance cost, oil analysis reports, visual inspection, and overall condition. Currently, Diamond Peak operates 5 snowcats on the mountain. This replacement plan calls for replacement of one cat every other year in the line grooming fleet (5 cats). Recent research by staff indicates that our local competitors are averaging 30 acres groomed per night for each cat in their fleet - Diamond Peak is currently grooming 32 acres per night for each of our 5 cats in the line grooming fleet. This snow cat will be moved back in the CIP replacement program if indicators reveal no increased equipment down time or elevated maintenance cost will result by deferring the replacement date.

Project Internal Staff

Project Justification

It is necessary to continue the routine replacement of our grooming equipment so that it is replaced prior to major component failure and to continue to stay abreast of industry changes and improvements to provide the best quality product for our skiing guests. Major component failure can cost more than the actual value of these vehicles as their age increases. These components can cost as much as \$25,000 for an engine or \$20,000 for a drive pump and motor set. There are 3-sets to each grooming vehicle. Grooming vehicles will only be replaced if serviceability, reliability, performance and economic factors dictate. Our records, as well as those of snow cat manufacturers, indicate that the hourly operating cost of a snow cat increases by more than 60% once they pass 8000 to 9000 operating hours. Additionally, downtime increases in direct proportion, diminishing the quality of our grooming product.

The District expects to trade in two snow cats #531 and existing #551.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2025			
Replace Grooming Vehicle #700	415,000	0	415,000
Year Total	415,000	0	415,000
	415,000	0	415,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015	Jul 1, 2024	Dec 31, 2024	Fleet Superintendent	Municipal Lease Eligible



Project Summary

Project Number:	3463HE1728
Title:	Replacement of 2011 Grooming Vehicle # 645
Project Type:	F - Rolling Stock
Division:	63 - Slope Maintenance
Budget Year:	2021
Finance Option:	Lease Eligible
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description				
<p>This project is for the scheduled replacement of one of Diamond Peak's snow cats. This snow cat is on a 10-year replacement cycle subject to operating hours, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Currently, Diamond Peak operates 5 snowcats on the mountain. This replacement plan calls for replacement of one cat every other year in the line grooming fleet (5 cats). Recent research by staff indicates that our local competitors are averaging 30 acres groomed per night for each cat in their fleet - Diamond Peak is currently grooming 32 acres per night for each of our 5 cats in the line grooming fleet. This snow cat will be moved back in the CIP replacement program if indicators reveal no increased equipment down time or elevated maintenance cost will result by deferring the replacement date.</p>				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
<p>It is necessary to continue the routine replacement of our grooming equipment so that it is replaced prior to major component failure and to continue to stay abreast of industry changes and improvements to provide the best quality product for our skiing guests. Major component failure can cost more than the actual value of these vehicles as their age increases. These components can cost as much as \$25,000 for an engine or \$20,000 for a drive pump and motor set. There are 3-sets to each grooming vehicle. Grooming vehicles will only be replaced if serviceability, reliability, performance and economic factors dictate. Our records, as well as those of snow cat manufacturers, indicate that the hourly operating cost of a snow cat increases by more than 60% once they pass the 8000 to 9000 hour operating range. Additionally, downtime increases in direct proportion, diminishing the quality of our grooming product.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Replace Grooming Vehicle	400,000	0	400,000	
Year Total	400,000	0	400,000	
2032				
Replace Grooming Vehicle	425,000	0	425,000	
Year Total	425,000	0	425,000	
	825,000	0	825,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Oct 31, 2021	Fleet Superintendent	Municipal Lease Eligible



Project Summary

Project Number:	3464BD1403
Title:	Resurface Main Lodge Decks
Project Type:	E - Capital Maintenance
Division:	64 - Mountain Operations
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description					
This project represents the periodic maintenance and cycle of the resurfacing of the ski area main lodge concrete deck coating.					
Project Internal Staff					
Mountain Operations and staff will supervise and manage the contracted resurfacing project.					
Project Justification					
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the Diamond Peak asset and customer service.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2025					
Main Lodge Concrete Deck Resurface	65,000	0	65,000		
Year Total	65,000	0	65,000		
2030					
Main Lodge Concrete Deck Resurface	80,000	0	80,000		
Year Total	80,000	0	80,000		
	145,000	0	145,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2014	Jul 1, 2024	Jun 30, 2025	Buildings Superintendent		



Project Summary

Project Number: 3464LE1601
Title: Ski Resort Snowmobile Fleet Replacement
Project Type: F - Rolling Stock
Division: 64 - Mountain Operations
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description

The snowmobiles at Diamond Peak are used for winter operations including Ski Patrol, Snow Making, Lift Maintenance/Operations, and Slope Maintenance. Diamond Peak also provides a snowmobile to the Utility Treatment Plant for emergency access to water and sewer pumping stations and water reservoirs. Due to heavy use in a harsh environment these machines experience accelerated wear and damage. With the help of computerized maintenance records and visual inspection Fleet staff has identified the useful life of this equipment to be six operating seasons and will determine the best replacement unit at time of schedule.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

Staff reduced the number of snowmobiles Diamond Peak operates from 11 to 7 and replaces them on a 6-year rotation. This reduces maintenance costs and insures an adequate number of machines available at all times to prevent negatively impacting any Ski Resort operation.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021	16,000	0	16,000
Year Total	16,000	0	16,000
2022	16,500	0	16,500
Year Total	16,500	0	16,500
2023	17,000	0	17,000
Year Total	17,000	0	17,000
2024	17,000	0	17,000
Year Total	17,000	0	17,000
2025	17,500	0	17,500
Year Total	17,500	0	17,500
2026	17,500	0	17,500
Year Total	17,500	0	17,500

2027		18,000	0	18,000
	Year Total	<u>18,000</u>	<u>0</u>	<u>18,000</u>
2028		18,000	0	18,000
	Year Total	<u>18,000</u>	<u>0</u>	<u>18,000</u>
2029		18,000	0	18,000
	Year Total	<u>18,000</u>	<u>0</u>	<u>18,000</u>
2030		18,000	0	18,000
	Year Total	<u>18,000</u>	<u>0</u>	<u>18,000</u>
2031		18,500	0	18,500
	Year Total	<u>18,500</u>	<u>0</u>	<u>18,500</u>
2032		18,500	0	18,500
	Year Total	<u>18,500</u>	<u>0</u>	<u>18,500</u>
2033		18,500	0	18,500
	Year Total	<u>18,500</u>	<u>0</u>	<u>18,500</u>
2034		18,500	0	18,500
	Year Total	<u>18,500</u>	<u>0</u>	<u>18,500</u>
2035		18,500	0	18,500
	Year Total	<u>18,500</u>	<u>0</u>	<u>18,500</u>
2036		19,000	0	19,000
	Year Total	<u>19,000</u>	<u>0</u>	<u>19,000</u>
2037		19,000	0	19,000
	Year Total	<u>19,000</u>	<u>0</u>	<u>19,000</u>
2038		19,000	0	19,000
	Year Total	<u>19,000</u>	<u>0</u>	<u>19,000</u>
2039		19,000	0	19,000
	Year Total	<u>19,000</u>	<u>0</u>	<u>19,000</u>

2040		19,000	0	19,000
	Year Total	19,000	0	19,000
2041		19,500	0	19,500
	Year Total	19,500	0	19,500
2042		19,500	0	19,500
	Year Total	19,500	0	19,500
2043		19,500	0	19,500
	Year Total	19,500	0	19,500
2044		19,500	0	19,500
	Year Total	19,500	0	19,500
2045		19,500	0	19,500
	Year Total	19,500	0	19,500
		458,500	0	458,500

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015			Fleet Superintendent	



Project Summary

Project Number:	3464LE1729
Title:	Snowplow #304A
Project Type:	F - Rolling Stock
Division:	64 - Mountain Operations
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description	<p>Purchase replacement snow plow utilized in conjunction with Utility Division loaders for winter snow removal requirements around the entire District. The areas include Diamond Peak parking lots, Skiway, Recreation Center, Administration, Public Works facilities, Water and Sewer pump stations, water reservoir roads and etc. Loader snow plows are on a 10-year replacement schedule subject to overall condition. The plow will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring the replacement date.</p>
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Project Internal Staff	<p>Fleet Maintenance Staff will manage this project</p>
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Project Justification	<p>This snowplow is critical to the operation of the District during the winter months. Necessary for snow removal of parking lots at Diamond Peak, Ski Way roadway, Recreation Center, Main office and other District facilities. Considered vital for the protection of public health and safety and revenue for the recreation venues. The scheduled replacement of this equipment will be subject to accrued maintenance cost, visual inspection and overall condition. Plow will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Snowplow	19,000	0	19,000
Year Total	19,000	0	19,000
2031			
Snowplow	21,000	0	21,000
Year Total	21,000	0	21,000
	40,000	0	40,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013			Fleet Superintendent	



Project Summary

Project Number:	3464LE1734
Title:	2016 Polaris Ranger Crew #723
Project Type:	F - Rolling Stock
Division:	64 - Mountain Operations
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description

This project is for the scheduled replacement of the utility vehicles, by the Fleet Division, for the Diamond Peak Ski Resort's summer mountain maintenance program. These vehicles are necessary for the transport of repair parts and materials, utilized by staff for sloop and lift maintenance, where standard 4-wheel drive vehicles are unable to traverse. The vehicle replacement is subject to accrued maintenance cost, oil analysis reports and visual inspection for overall condition. This vehicle will be moved back in the CIP program if indicators reveal that no increase in equipment down time or elevated maintenance cost will result by deferring the replacement date.

Project Internal Staff

Project Justification

This utility vehicle is necessary for mountain access where standard 4-wheel drive pick-up trucks are unable to traverse. They are subjected to extreme operating conditions due to the harsh terrain they are required to navigate on a daily basis, for routine mountain sloop and lift maintenance. History shows that maintenance and repair cost exceeds equipment value should we continue to operate these vehicles past their scheduled rotation date, also resulting in excessive equipment down time.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2023	19,000	0	19,000
Year Total	19,000	0	19,000
2030	20,000	0	20,000
Year Total	20,000	0	20,000
2036	20,000	0	20,000
Year Total	20,000	0	20,000
	59,000	0	59,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015	Jul 1, 2024	Sep 30, 2024	Fleet Superintendent	



Project Summary

Project Number: 3464LV1730
Title: 2014 Yamaha ATV #695
Project Type: F - Rolling Stock
Division: 64 - Mountain Operations
Budget Year: 2021
Finance Option:
Asset Type: LV - Light Duty Vehicles
Active: Yes

Project Description				
This project is for the scheduled replacement of the All Terrain Vehicles, by the Fleet Division, for the Diamond Peak Ski Resort's summer mountain maintenance program. These vehicles are utilized by staff for mountain sloop and lift maintenance, where standard 4-wheel drive vehicles are unable to traverse. The vehicle replacement is subject to accrued maintenance cost, oil analysis reports and visual inspection for overall condition. This vehicle will be moved back in the CIP program if indicators reveal that no increase in equipment down time or elevated maintenance cost will result by deferring the replacement date.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This ATV is necessary for mountain access where standard 4-wheel drive pick-up trucks are unable to traverse. They are subjected to extreme operating conditions due to the harsh terrain they are required to navigate on a daily basis, for routine mountain sloop and lift maintenance. History shows that maintenance and repair cost exceeds equipment value should we continue to operate these vehicles past their scheduled rotation date, also resulting in excessive equipment down time. This single passenger ATV will be replaced with a safer and multi passenger UTV				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Replace UTV	19,000	0	19,000	
Year Total	19,000	0	19,000	
2030				
Replace UTV	20,000	0	20,000	
Year Total	20,000	0	20,000	
2038				
Replace UTV	22,000	0	22,000	
Year Total	22,000	0	22,000	
	61,000	0	61,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015	Jul 1, 2019	Sep 30, 2019	Fleet Superintendent	



Project Summary

Project Number:	3464LV1732
Title:	2013 Yamaha Rhino (ATV) #674
Project Type:	F - Rolling Stock
Division:	64 - Mountain Operations
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description				
This project is for the scheduled replacement of the utility vehicles, by the Fleet Division, for the Diamond Peak Ski Resort's summer mountain maintenance program. These vehicles are necessary for the transport of repair parts and materials, utilized by staff for sloop and lift maintenance, where standard 4-wheel drive vehicles are unable to traverse. The vehicle replacement is subject to accrued maintenance cost, oil analysis reports and visual inspection for overall condition. This vehicle will be moved back in the CIP program if indicators reveal that no increase in equipment down time or elevated maintenance cost will result by deferring the replacement date.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This utility vehicle is necessary for mountain access where standard 4-wheel drive pick-up trucks are unable to traverse. They are subjected to extreme operating conditions due to the harsh terrain they are required to navigate on a daily basis, for routine mountain sloop and lift maintenance. History shows that maintenance and repair cost exceeds equipment value should we continue to operate these vehicles past their scheduled rotation date, also resulting in excessive equipment down time.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Replace UTV	21,000	0	21,000	
Year Total	21,000	0	21,000	
2029				
Replace UTV	22,000	0	22,000	
Year Total	22,000	0	22,000	
2037				
Replace UTV	23,000	0	23,000	
Year Total	23,000	0	23,000	
	66,000	0	66,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2019	Sep 1, 2019	Fleet Superintendent	



Project Summary

Project Number:	3464ME1802
Title:	Diamond Peak Fuel Storage Facility
Project Type:	D - Capital Improvement - Existing Facilities
Division:	64 - Mountain Operations
Budget Year:	2021
Finance Option:	
Asset Type:	ME - Mechanical Equipment
Active:	Yes

Project Description	The District owns 2 underground fuel storage tanks located at Diamond Peak Ski Resort. The underground tanks include one 6,000 gallon diesel tank located in the Main Lodge parking facility and one 2,000 gallon gasoline tank located on the mountain adjacent to the vehicle maintenance facility. This project describes and represents the design, engineering permitting and replacement of the underground fuel storage tanks.
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Project Internal Staff	
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Project Justification	The general purpose of this project is to improve our facilities through required maintenance and replacement improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the District's assets and customer service. The 2 fuel tanks were previously replaced and installed in 1994 and are reaching the end of their service life.
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2025			
Diamond Peak Fuel Storage Facility	20,000	0	20,000
Year Total	20,000	0	20,000
2026			
Diamond Peak Fuel Storage Facility	400,000	0	400,000
Year Total	400,000	0	400,000
	420,000	0	420,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2018	Jul 1, 2024	Jun 30, 2025	Fleet Superintendent	



Project Summary

Project Number:	3464SI1002
Title:	Fan Guns Purchase and Replacement
Project Type:	G - Equipment & Software
Division:	64 - Mountain Operations
Budget Year:	2021
Finance Option:	
Asset Type:	SI - Slope & Mountain Improvements
Active:	Yes

Project Description

This project describes the procurement and replacement of the aging fleet of snowmaking fan guns. Replacement of aging snowmaking equipment maintains and enhances the District's airless snowmaking technology (fan guns, etc.) to reduce the noise factor associated with conventional snowmaking and to maximize our efficient use of water and electricity. For 2022 and 2023, the project will replace seven aging and non efficient snowmaking fan guns originally purchased in 1987, 1994 and 2001.

Project Internal Staff

Mountain and Slope Operations staff will oversee the selection and procurement of the equipment.

Project Justification

The primary goal of snowmaking is to be able to better guarantee opening an acceptable quantity of terrain on only machine-made snow for the Christmas holiday each ski season. Snowmaking capacity and efficiency is necessary to keep the ski resort competitive by providing a variety of terrain, depth of snow coverage, timing of our initial opening and duration of the season, so that we may effectively compete with neighboring resorts.

Replacement of aging to a more efficient fan gun with modern technology enhances our ability to deliver a complete and competitive product in years of light natural snowfall and, more importantly, virtually guarantees (temperatures permitting) our ability to open the mountain with a variety of top-to-bottom skiing for the Christmas holidays. Newer technology of our airless snowmaking capacity (fan guns) will complement our existing compressed air system by allowing us to make more efficient use of electricity as well as reducing noise levels in the base area and other parts of the mountain.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Purchase Replacement Snowmaking Fan Guns	160,000	0	160,000
Year Total	160,000	0	160,000
2023			
Purchase Replacement Snowmaking Fan Guns	120,000	0	120,000
Year Total	120,000	0	120,000
	280,000	0	280,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2022	Mountain Operations Manager	



Project Summary

Project Number:	3467LE1703
Title:	Replace Child Ski Center Surface Lift
Project Type:	D - Capital Improvement - Existing Facilities
Division:	67 - Child Ski Center
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
This project describes the procurement and replacement of the original 1997 Surface Lift at Diamond Peak located within the Child Ski Center Program learning area.				
Project Internal Staff				
Mountain and Operations staff will oversee the selection and procurement and installation of the equipment.				
Project Justification				
The Diamond Peak Child Ski Center offer ski lessons to our customers and community programs to Children ages 3 -7 years old. The learn to ski program is designed with children using the Surface Lift in the lesson prior to the progression of ridding the Schoolhouse lift. The current surface lift was purchased and installed in 1997 and is due for replacement as the equipment and machinery is nearing the end of its useful life. The general purpose of this project is to improve our facilities through required maintenance and replacement improvements that directly or indirectly reflect on our guest's experience. This project is designed to maintain the value of the Diamond Peak Ski Resort asset and customer service.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Child Ski Center Surface Lift	72,000	0	72,000	
Year Total	72,000	0	72,000	
	72,000	0	72,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017	Jul 1, 2021	Jun 30, 2022	Ski Resort General Manager	



Project Summary

Project Number:	3468RE0002
Title:	Replace Ski Rental Equipment
Project Type:	G - Equipment & Software
Division:	68 - Rental & Repair
Budget Year:	2021
Finance Option:	
Asset Type:	RE - Rental Equipment
Active:	Yes

Project Description	The District owns and maintains a fleet of 1,365 skis and bindings (ranging in size from 70cm to 188cm), 1,550 ski boots, 330 snowboards, and 400 snowboard boots in its rental shop. The rental shop equipment replacement purchases are part of a comprehensive program to maintain a functional and reliable rental fleet at Diamond Peak. This ongoing program replaces rental equipment on a four year cycle and is vital to ensuring a safe and enjoyable experience for the guests at Diamond Peak that utilize the rental shop.
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Project Internal Staff	
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Project Justification	The general purpose of this project is to improve our facilities through required maintenance and replacement improvements that directly or indirectly reflect on our guest's experience. This project is designed to maintain the value of the Diamond Peak Ski Resort asset and customer service.
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Snowboard equipment	200,000	0	200,000
Year Total	200,000	0	200,000
2024			
Adult / Child skis, bindings and boots	360,000	0	360,000
Year Total	360,000	0	360,000
2025			
Snowboard equipment	210,000	0	210,000
Year Total	210,000	0	210,000
2028			
Adult / Child skis, bindings and boots	380,000	0	380,000
Year Total	380,000	0	380,000
2029			
Snowboard equipment	240,000	0	240,000
Year Total	240,000	0	240,000
	1,390,000	0	1,390,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016	Jul 1, 2020	Dec 1, 2020	Director of Skier Services	



Project Summary

Project Number:	3468RE1609
Title:	Replace Ski Rental Machinery
Project Type:	G - Equipment & Software
Division:	68 - Rental & Repair
Budget Year:	2021
Finance Option:	
Asset Type:	RE - Rental Equipment
Active:	Yes

Project Description					
This project describes the procurement replacement of Hyatt Sport Shop rental equipment storage units. The current storage units accommodate Skis, Ski Boots, Ski Poles, Snow Boards and Snow Board Boots.					
Project Internal Staff					
Diamond Peak Staff will manage this project.					
Project Justification					
The general purpose of this project is to improve our facilities through required maintenance and replacement improvements that directly or indirectly reflect our guest experience. This project is designed to maintain the value of the Diamond Peak Ski Resort, the Hyatt Sport Shop asset and customer service.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2022					
Replace ski rental machinery	36,000	0	36,000		
Year Total	36,000	0	36,000		
	36,000	0	36,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2015	Jul 1, 2021	Jun 30, 2022	Director of Skier Services		



Project Summary

Project Number:	3469HE1739
Title:	Replace 2010 Shuttle Bus #635
Project Type:	F - Rolling Stock
Division:	69 - Property, Parking & Transportation
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description			
This project is for the scheduled replacement of one of Diamond Peak's 36-passenger shuttle buses. The Diamond Peak buses are on a 10-year replacement cycle subject to operating mileage, accrued maintenance cost, oil analysis reports, visual inspection, and overall condition. Buses will be moved back in the CIP if indicators reveal that no increase in vehicle down time or elevated maintenance cost will result by deferring the replacement date. Replacement procurement is budgeted assuming a total purchase price of \$140,000 utilizing a 7-year municipal lease with the District assuming ownership and the end of the lease term.			
Project Internal Staff			
Fleet Maintenance Staff will manage this project			
Project Justification			
This 36 passenger bus is used for transportation during the operating season of Diamond Peak to shuttle customers from locations throughout the community and the parking areas to the Base Lodge. This bus also get used during the off season for youth programs and special events during the summer months.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Shuttle Bus	140,000	0	140,000
Year Total	140,000	0	140,000
	140,000	0	140,000
Year Identified	Start Date	Est. Completion Date	Manager
2012			Fleet Superintendent
			Project Partner



Project Summary

Project Number:	3469HE1740
Title:	Replace 2010 Shuttle Bus #636
Project Type:	F - Rolling Stock
Division:	69 - Property, Parking & Transportation
Budget Year:	2021
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description			
This project is for the scheduled replacement of one of Diamond Peak's 36-passenger shuttle buses. The Diamond Peak buses are on a 10-year replacement cycle subject to operating mileage, accrued maintenance cost, oil analysis reports, visual inspection, and overall condition. Buses will be moved back in the CIP if indicators reveal that no increase in vehicle down time or elevated maintenance cost will result by deferring the replacement date. Replacement procurement is budgeted assuming a total purchase price of \$140,000 utilizing a 7-year municipal lease with the District assuming ownership and the end of the lease term.			
Project Internal Staff			
Fleet Maintenance Staff will manage this project			
Project Justification			
This 36 passenger bus is used for transportation during the operating season of Diamond Peak to shuttle customers from locations throughout the community and the parking areas to the Base Lodge. This bus also get used during the off season for youth programs and special events during the summer months.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Shuttle Bus	140,000	0	140,000
Year Total	140,000	0	140,000
	140,000	0	140,000
Year Identified	Start Date	Est. Completion Date	Manager
2012	Jul 1, 2020	Nov 1, 2020	Fleet Superintendent
			Project Partner



Project Summary

Project Number:	3469LI1105
Title:	Pavement Maintenance, Diamond Peak and Ski Way
Project Type:	E - Capital Maintenance
Division:	69 - Property, Parking & Transportation
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description				
Continued maintenance and repair of roadway and parking lot facility. The upper lots include approximately 307,000 sf of pavement and the lower lot across from the Bullwheel building is approximately 43,000 sf. The Engineering Division maintains a database on this and other facilities for pavement condition, past projects and forecasts long-term maintenance and replacement needs. There is \$25,000 in 2021 to maintain the pavement to 2022 at which time the Ski Way and Diamond Peak Parking Lot Reconstruction Project will commence..				
Project Internal Staff				
This project will be managed by the District's Engineering Division in coordination with Diamond Peak Staff. The project will be publically bid and constructed by a licensed contractor.				
Project Justification				
Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. Ski Way (above Fairview) to Tyrolian Village and the Diamond Peak parking lots are all owned by IVGID. The pavement condition affects rideability in both customers' own vehicles and while riding the Diamond Peak tram. The majority of the parking lot is showing advanced signs of distress and reconstruction is recommended with heavy maintenance until then.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Construction	25,000	0	25,000	
Year Total	25,000	0	25,000	
2026				
Crack fill and Maintenance	10,000	0	10,000	
Year Total	10,000	0	10,000	
2028				
Construction	100,000	0	100,000	
Year Total	100,000	0	100,000	
2030				
Crack fill and Maintenance	20,000	0	20,000	
Year Total	20,000	0	20,000	
2032				
Construction	100,000	0	100,000	
Year Total	100,000	0	100,000	
2034				
Crack fill and Maintenance	20,000	0	20,000	
Year Total	20,000	0	20,000	
2036				
Construction	100,000	0	100,000	
Year Total	100,000	0	100,000	
	375,000	0	375,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2019	Jun 30, 2029	Senior Engineer	



Project Summary

Project Number:	3469LI1805
Title:	Ski Way and Diamond Peak Parking Lot Reconstruction
Project Type:	B - Major Projects - Existing Facilities
Division:	69 - Property, Parking & Transportation
Budget Year:	2021
Finance Option:	Bond Eligible
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description	This project will reconstruct and reconfigure Ski Way and the Diamond Peak Parking Lots to address pavement failure, increase parking, and enhance traffic circulation. Ski Way will be modified with improvements which may include widening to enhance safety, pedestrian access, and parking layout. The K-Rail along the Bullwheel parking lot will be reconstructed and parking stalls will be reconfigured to increase available parking.
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Project Internal Staff	IVGID Engineering to manage all phases of the project in coordination with Diamond Peak Staff. Outside engineer(s) to study and prepare design and bid documents. IVGID Engineering to manage bidding and contract administration. Work to be done by outside contractor. Construction Management and Special Inspection and Testing to be done by consultant.
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Project Justification	Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. Ski Way (above Fairview) to Tyrolian Village and the Diamond Peak parking lots are all owned by IVGID. The pavement condition affects rideability in both customers' own vehicles and while riding the Diamond Peak tram. Visual inspection and a 2017 geotechnical investigation has determined that pavement at Diamond Peak and Ski Way is at end of structural life and must be reconstructed. Safety and circulation improvement opportunities were identified in a 2015 Traffic Safety Review by LSC Transportation.
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Design	300,000	0	300,000
Year Total	300,000	0	300,000
2022			
Construction	3,000,000	0	3,000,000
Construction Management	300,000	0	300,000
Construction Reserves	300,000	0	300,000
Year Total	3,600,000	0	3,600,000
	3,900,000	0	3,900,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2018	Jul 1, 2019	Dec 31, 2022	Engineering Manager	



Project Summary

Project Number:	3469LV1735
Title:	2007 Chevy 1-Ton Pick-Up #596
Project Type:	F - Rolling Stock
Division:	69 - Property, Parking & Transportation
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description				
This project is for the scheduled replacement of vehicles by the Fleet Division for the Diamond Peak Ski Resort. Vehicles are on a 10-year replacement program subject to mileage/hours accumulated, accrued maintenance cost, oil analysis reports and visual inspection. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This truck is critical to the operation of the Ski resort, utilized during the ski season for towing the ski passenger tram(s) around the different parking areas. Summer use includes general transportation needs of staff and transport of maintenance and repair parts, materials and supplies for administration and mountain operations.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Chevy 1-Ton Pick Up	40,000	0	40,000	
Year Total	40,000	0	40,000	
2030				
Chevy 1-Ton Pick Up	45,000	0	45,000	
Year Total	45,000	0	45,000	
	85,000	0	85,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number:	3469LV1736
Title:	2007 Chevy 1-Ton Pick-Up #597
Project Type:	F - Rolling Stock
Division:	69 - Property, Parking & Transportation
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description	This project is for the scheduled replacement of vehicles by the Fleet Division for the Diamond Peak Ski Resort. Vehicles are on a 10-year replacement program subject to mileage/hours accumulated, accrued maintenance cost, oil analysis reports and visual inspection. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.
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Project Internal Staff	Fleet Maintenance Staff will manage this project
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Project Justification	This truck is critical to the operation of the Ski resort, utilized during the ski season for towing the ski passenger tram(s) around the different parking areas. Summer use includes general transportation needs of staff and transport of maintenance and repair parts, materials and supplies for administration and mountain operations.
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Forecast	
Budget Year	Total Expense Total Revenue Difference
2022	
Chevy 1-Ton Pick Up	40,000 0 40,000
Year Total	40,000 0 40,000
2030	
Chevy 1-Ton Pick Up	45,000 0 45,000
Year Total	45,000 0 45,000
	85,000 0 85,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Fleet Superintendent	



Project Summary

Project Number:	3469LV1737
Title:	1991 Ski Passenger Tram #267
Project Type:	F - Rolling Stock
Division:	69 - Property, Parking & Transportation
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description			
This project is for the scheduled replacement of passenger trams by the Fleet Division for the Diamond Peak Ski Resort. Passenger trams are on a 20-year replacement program subject to accrued maintenance cost, visual inspection and overall condition. Tram will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring the replacement date.			
Project Internal Staff			
Fleet Maintenance Staff will manage this project			
Project Justification			
This passenger tram is critical to the operation of the Ski Resort and considered a revenue producing piece of equipment. The trams are utilized during the ski season for the rapid transport of customers from the different parking areas to the ticket area.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Ski Passenger Tram	22,700	0	22,700
Year Total	22,700	0	22,700
	22,700	0	22,700
Year Identified	Start Date	Est. Completion Date	Manager
2012	Jul 1, 2021	Dec 1, 2021	Fleet Superintendent
			Project Partner



Project Summary

Project Number:	3469LV1738
Title:	1993 Ski Passenger Tram #283
Project Type:	F - Rolling Stock
Division:	69 - Property, Parking & Transportation
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description			
This project is for the scheduled replacement of passenger trams by the Fleet Division for the Diamond Peak Ski Resort. Passenger trams are on a 20-year replacement program subject to accrued maintenance cost, visual inspection and overall condition. Tram will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring the replacement date.			
Project Internal Staff			
Fleet Maintenance Staff will manage this project			
Project Justification			
This passenger tram is critical to the operation of the Ski Resort and considered a revenue producing piece of equipment. The trams are utilized during the ski season for the rapid transport of customers from the different parking areas to the ticket area.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2023			
Ski Passenger Tram	23,400	0	23,400
Year Total	23,400	0	23,400
	23,400	0	23,400
Year Identified	Start Date	Est. Completion Date	Manager
2012	Jul 1, 2022	Dec 1, 2022	Fleet Superintendent
			Project Partner



Project Summary

Project Number:	3499BD1710
Title:	Diamond Peak Facilities Flooring Material Replacement
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Ski
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
This project outlines the periodic replacement of indoor flooring materials within Diamond Peak facilities including Main Lodge, Snowflake Lodge and the Skier Services building.				
Project Internal Staff				
Mountain and Operations staff will manage these projects.				
Project Justification				
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest's experience. This project is designed to maintain the value of the Diamond Peak Ski Resort asset and customer service.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Main Lodge - Flooring	55,000	0	55,000	
Year Total	55,000	0	55,000	
2022				
Skier Service Building Child Ski Center - Flooring	26,000	0	26,000	
Snowflake Lodge - Flooring	8,000	0	8,000	
Year Total	34,000	0	34,000	
2023				
Skier Service Administration - Flooring	20,000	0	20,000	
Year Total	20,000	0	20,000	
2024				
Skiers Service Concrete Resurface	20,000	0	20,000	
Year Total	20,000	0	20,000	
2025				
Snowflake Lodge - Flooring	8,000	0	8,000	
Year Total	8,000	0	8,000	
2026				
Main Lodge Lower Level - Flooring	49,000	0	49,000	
Snowflake Lodge - Flooring	8,000	0	8,000	
Year Total	57,000	0	57,000	
	194,000	0	194,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016	Jul 1, 2020	Jun 30, 2021	Mountain Operations Manager	



Project Summary

Project Number:	3499BD2002
Title:	Arc Flash Study - Ski
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - General Administration - Ski
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description					
Evaluate the District's facilities at Diamond Peak to determine the hazards and risks in relation to electrical systems. The study results in arc flash equipment labeling, fault current, and coordination analysis, recommendations for improvements and requirements for proper personal protective equipment (PPE). A review and analysis of the facility's written electrical safety program may also be included.					
Project Internal Staff					
Project Justification					
OSHA requires employers to identify and protect their workers from workplace hazards including electrical systems. Additionally, the National Fire Protection Association has further requirements that require an arc flash study to protect employees or contract employees working on or operating electrical equipment.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2021					
Design and Construction	20,000	0	20,000		
Year Total	20,000	0	20,000		
	20,000	0	20,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2020			Director of Public Works		



Project Summary

Project Number: 3499OE1205
Title: Replace Staff Uniforms
Project Type: G - Equipment & Software
Division: 99 - General Administration - Ski
Budget Year: 2021
Finance Option:
Asset Type: OE - Office Equipment
Active: Yes

Project Description

Diamond Peak staff uniforms consist of a Jacket, Pants and a Mid-layer Jacket. Quantities include up to 335 sets, plus additional Mid-layers. Each individual piece to include Diamond Peak logo. Specification to include adequate tear proof, waterproofing and general durability to remain in service for 4 consecutive years. The supplier of the uniforms shall provide assurance of availability of replacements within the proposal.

Project Internal Staff

Mountain and Operations staff will oversee the staff uniform procurement.

Project Justification

Diamond Peak has been on a 4 year replacement cycle of staff uniforms for many years and have proved that due to wear and tear, durability, fading, deterioration of water resistance and appearance a 4 year replacement cycle is justified. The general purpose of this project is to improve our facilities through required maintenance and replacement improvements that directly or indirectly reflect on our staff and guest's experience. This project is designed to maintain the value of the Diamond Peak Ski Resort asset and customer service.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
Uniforms	135,000	0	135,000
Year Total	135,000	0	135,000
2026			
Uniforms	155,000	0	155,000
Year Total	155,000	0	155,000
2030			
Uniforms	175,000	0	175,000
Year Total	175,000	0	175,000
	465,000	0	465,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Ski Resort General Manager	



Project Summary

Project Number:	3499OE1502
Title:	Skier Services Administration Printer Copier Replacement 1210 Ski Way
Project Type:	G - Equipment & Software
Division:	99 - General Administration - Ski
Budget Year:	2021
Finance Option:	
Asset Type:	OE - Office Equipment
Active:	Yes

Project Description				
Replacement of the large volume color/black printer copier located at the second floor administration offices. It supports all administration functions as well as the District wide Marketing and Sales Department. It provides volume processing for the Ticketing Office, Ski School and Child Ski Center. This device should be replaced every five years which is industry standard. On average the cost of ownership increases after the fifth year as a result of increased maintenance fees. This project is only for the cost of the device and does not include monthly maintenance charges, which is part of the District's comprehensive maintenance plan.				
Project Internal Staff				
The IT Technician oversees the maintenance and care and condition assessment of this device.				
Project Justification				
The current volume printer copier averages 15,000 images a month. It is a Xerox WorkCentre 7835 purchased in 2015. Life cycle is 720,000 images. The meter read at 1/1/16 was 44,600. The proposed new device will be based on industry comparisons for functionality and capacity considering the best pricing we can get from state or local contracts.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
	10,000	0	10,000	
Year Total	10,000	0	10,000	
2030				
	15,000	0	15,000	
Year Total	15,000	0	15,000	
	25,000	0	25,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2014	Jul 1, 2019	Jun 30, 2020	Director of IT	



5 Year Capital Improvement Plan Summary Parks

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
Parks	4378BD1603	Resurface and Coat Incline Park Bathroom Floors	Buildings Superintendent	13,940	-	-	-	14,500	28,440
	4378BD1604	Resurface and Coat Preston Park Bathroom, Mechanical Room, and Bleacher Floors	Buildings Superintendent	-	53,200	-	-	-	53,200
	4378BD1605	Aspen Grove Flatscape and Retaining Wall Enhancement and Replacement	Senior Engineer	-	-	145,000	105,000	-	250,000
	4378BD1701	Dumpster enclosure – Incline Park	Parks Superintendent	-	45,000	-	-	-	45,000
	4378BD1705	Rosewood Creek Foot Bridges	Parks Superintendent	8,000	-	-	-	-	8,000
	4378BD1801	Preston Field Retaining Wall Replacement	Engineering Manager	10,000	22,000	264,000	-	-	296,000
	4378BD2001	Grout Repair Upstairs Parks Office & Tile Replacement	Buildings Superintendent	-	10,000	-	-	-	10,000
	4378HV1738	2013 1-Ton Dump Truck #692	Fleet Superintendent	-	-	-	-	43,000	43,000
	4378LE1720	2013 Surf Rake #684	Fleet Superintendent	-	-	-	26,500	-	26,500
	4378LE1725	2008 Landpride Overseeder #622	Fleet Superintendent	-	-	-	-	17,000	17,000
	4378LE1726	2018 John Deere UTV #771	Fleet Superintendent	-	-	-	-	20,000	20,000
	4378LE1727	2015 John Deere Pro Gator #722	Fleet Superintendent	-	-	-	-	32,000	32,000
	4378LE1731	2008 JD Pro-Gator #624	Fleet Superintendent	36,000	-	-	-	-	36,000
	4378LE1742	2015 Ball Field Groomer #706	Fleet Superintendent	24,000	-	-	-	-	24,000
	4378LE1743	2019 Toro 3500D Rotary Mower #792	Fleet Superintendent	-	-	-	-	37,000	37,000
	4378LI1207	Maintenance, East & West End Parks	Senior Engineer	7,000	39,500	3,000	41,500	5,000	96,000
	4378LI1303	Pavement Maintenance, Village Green Parking	Senior Engineer	7,500	5,000	32,500	5,000	5,000	55,000
	4378LI1403	Pavement Maintenance, Preston Field	Senior Engineer	5,000	7,500	27,500	6,000	7,500	53,500
	4378LI1602	Pavement Maintenance, Overflow Parking Lot	Senior Engineer	5,000	5,000	27,500	5,000	10,000	52,500
	4378LI1802	Pavement Maintenance - Incline Park	Senior Engineer	3,500	7,500	3,500	6,000	6,000	26,500
	4378LV1734	2011 Pick-Up with Lift gate #646	Fleet Superintendent	-	-	44,500	-	-	44,500
	4378LV1735	2005 Pick-up Truck 4x4 (1-Ton) #554	Fleet Superintendent	-	45,000	-	-	-	45,000
	4378LV1737	2004 Pick-up Truck 4x4 (1-Ton) #541	Fleet Superintendent	45,000	-	-	-	-	45,000
	4378RS1501	Replace Playground - Incline Park	Senior Engineer	-	20,000	100,000	-	-	120,000
	4378RS1601	Replace Playgrounds - Preston	Senior Engineer	7,500	7,500	7,500	100,000	-	122,500
	Total			172,440	267,200	655,000	295,000	197,000	1,586,640



Project Summary

Project Number:	4378BD1603
Title:	Resurface and Coat Incline Park Bathroom Floors
Project Type:	E - Capital Maintenance
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
Resurface and Coat Incline Park Bathroom Floors				
Project Internal Staff				
Buildings Maintenance Staff				
Project Justification				
<p>The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed to maintain the value of the Parks asset and customer service.</p> <p>The Incline Park bathroom floors have been painted and sealed in the past. The District is currently standardizing the type of floor coating used in high traffic area such as bathrooms and decks/patios. A neogard epoxy floor is applied which adheres to the floor and wears much better than other products that have been used. It maintains the integrity of the floor handles uses much more efficiently and allows years between a floor recoat.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Contingency	2,500	0	2,500	
Interco	1,240	0	1,240	
Resurface/Coat Floors	10,200	0	10,200	
Year Total	13,940	0	13,940	
2025				
Resurface/Coat Floors	14,500	0	14,500	
Year Total	14,500	0	14,500	
2028				
Resurface/Coat Floors	14,500	0	14,500	
Year Total	14,500	0	14,500	
2032				
Resurface/Coat Floors	16,500	0	16,500	
Year Total	16,500	0	16,500	
	59,440	0	59,440	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015			Buildings Superintendent	



Project Summary

Project Number:	4378BD1604
Title:	Resurface and Coat Preston Park Bathroom, Mechanical Room, and Bleacher Floors
Project Type:	E - Capital Maintenance
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
Resurface and Coat Preston Park Bathroom , Mechanical Room and Bleacher Floors				
Project Internal Staff				
Buildings Maintenance Division				
Project Justification				
<p>The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed to maintain the value of the Parks asset and customer service.</p> <p>The Preston Park bathroom remodel was completed 2011/12. Normal wear has begun to degrade the initial coating. The District is currently standardizing the type of floor coating used in high traffic area such as bathrooms and decks/patios. A neogard epoxy compound is applied which adheres to the floor and wears much better than other products that have been used. It maintains the integrity of the floor, handles use much more efficiently and allows years between a floor recoat.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Bleachers	26,900	0	26,900	
contingency	5,000	0	5,000	
internal services	3,500	0	3,500	
Resurface/Coat Bathroom and Mechanical Room Floors	17,800	0	17,800	
Year Total	53,200	0	53,200	
2026				
Bleachers	32,900	0	32,900	
contingency	6,000	0	6,000	
internal services	4,000	0	4,000	
Resurface/Coat Bathroom and Mechanical Room Floors	20,500	0	20,500	
Year Total	63,400	0	63,400	
	116,600	0	116,600	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015			Buildings Superintendent	



Project Summary

Project Number:	4378BD1605
Title:	Aspen Grove Flatscape and Retaining Wall Enhancement and Replacement
Project Type:	D - Capital Improvement - Existing Facilities
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
Wooden retaining walls, curbs, and flatscape are failing around Aspen Grove. Similar infrastructure around the field at Village Green has been replaced with geo-block and pavers over the last 5-years. This project will replace railroad tie timbers and aged concrete areas with geo-block to provide a consistent site appearance.				
Project Internal Staff				
Engineering and Parks Departments will work together to design the improvements and solicit bids. Improvements to be constructed by a licensed contractor.				
Project Justification				
Many of the existing wooden retaining walls and curbs are at the end of their useful lives and are showing signs of failure. The Aspen Grove BBQ area was improved in 2016. Replacement of the wooden and concrete flatwork will not only reduce trip hazards but will also provide a significant aesthetic enhancement to the properties. Extensive work remains on the East side of the parking lot to match the remainder of the site.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2023				
Construction	100,000	0	100,000	
Design and Permits	20,000	0	20,000	
Internal Services	25,000	0	25,000	
Year Total	145,000	0	145,000	
2024				
Construction	100,000	0	100,000	
Internal Services	5,000	0	5,000	
Year Total	105,000	0	105,000	
	250,000	0	250,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015	Jul 1, 2019	Jun 30, 2024	Senior Engineer	



Project Summary

Project Number:	4378BD1701
Title:	Dumpster enclosure – Incline Park
Project Type:	D - Capital Improvement - Existing Facilities
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description			
This is a concrete block structure to house a 6 yard dumpster and a 6 yard recycling dumpster they will be contained within a structure per the IVGID's document "Requirements to construct Appendix B". There currently is no such enclosed structure at our largest facility, Incline Park for use by parks staff to empty bear box receptacles into, once they get full.			
Project Internal Staff			
Parks Division and Engineering Division Staff			
Project Justification			
The Parks Department has used a temporarily placed dumpster to serve the both, Incline Park area and to provide extra dump space for afternoon & evening staff to dispose of trash when all other dumpsters are full and have reached capacity. For the last two summers, during the peak season a 6 yard dumpster has been placed behind the Parks Yard/Shop for this purpose. There is no other place to get rid of trash after the transfer station has closed at 4:00 PM on the weekend and 4:30 PM on the week days, other than a dumpster.			
Staff is very bear aware and does their utmost best to dispose of trash in the proper way in a locked dumpster. The use of this dumpster at the Parks shop has become an efficient & integral part of the operation. As the number of activities & visitors has grown so has the amount of garbage. A permanent structure to house a dumpster full time is needed to coincide with the IVGID's document and standards "Requirements to construct".			
If other dumpsters are filled in the parks, the service vehicles returning to the Parks Yard/Shop with trash, are unable to drop it into the dump truck after the transfer station has closed. To keep wildlife out of the trash they do not put it into the open dump truck overnight. Having an enclosure for the dumpster by the Parks Yard & Shop for returning service vehicles and to serve Incline Park's needs and trash collected after hours is the most efficient and effective way to dispose of trash.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Dumpster Enclosure Construction	45,000	0	45,000
Year Total	45,000	0	45,000
	45,000	0	45,000
Year Identified	Start Date	Est. Completion Date	Manager
2016	May 16, 2017	Jun 30, 2017	Parks Superintendent
			Project Partner



Project Summary

Project Number:	4378BD1705
Title:	Rosewood Creek Foot Bridges
Project Type:	D - Capital Improvement - Existing Facilities
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description			
Footbridge from disc golf hole 11 To 12 on The Disc Golf Course as well as on the Exercise Course just below Incline Way. To stop the erosion of the creek bank and improve user safety, the installation of footbridges is needed to facilitate the crossing of the Rosewood Creek.			
Project Internal Staff			
Parks Superintendent, Engineering			
Project Justification			
Along the creek between Disc course hole # 11 and hole #12 near the skate park as well as at the Exercise Course just below Incline Way there are very small wood planks to allow people to cross Rosewood Creek. These boards are very low on the creek bank and people have to walk down the side and back up the other, in doing this they are eroding the bank of the creek causing erosion and silt to go into the creek. A footbridge at the top of the bank that spans the entire distance will eliminate this problem and allow the grasses and other organic matter that naturally grows to hold and stabilize the creek bank.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Footbridges	8,000	0	8,000
Year Total	8,000	0	8,000
	8,000	0	8,000
Year Identified	Start Date	Est. Completion Date	Manager
2017			Parks Superintendent
			Project Partner



Project Summary

Project Number:	4378BD1801
Title:	Preston Field Retaining Wall Replacement
Project Type:	D - Capital Improvement - Existing Facilities
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
This project is to replace the timber retaining wall along the outfield boundary of Preston Field. This 5' tall railroad tie wood retaining wall was constructed in the mid 70's and is showing signs of deterioration and nearing the end of its useful life. The timber retaining wall will be replaced with a longer-lasting retaining wall. The initial design phase (2021) will include an alternative analysis of different retaining wall materials to determine the best product for this specific situation.				
Project Internal Staff				
Engineering Division Staff will manage this project with input from the Parks Division. A Structural Engineer will be hired to complete alternative analysis and final design.				
Project Justification				
The condition of the retaining wall was evaluated during the summer of 2009 and determined to be in acceptable condition. The construction cost is currently a place holder based on the linear footage of retaining wall required for replacement and estimated construction cost. Upon completion of the initial evaluation, an updated construction cost estimate will be used to update the cost for the following CIP year.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Initial Evaluation	10,000	0	10,000	
Year Total	10,000	0	10,000	
2022				
Design	22,000	0	22,000	
Year Total	22,000	0	22,000	
2023				
Construction (590 linear feet of wall at \$372/LF)	220,000	0	220,000	
Construction Management	22,000	0	22,000	
Construction Reserves	22,000	0	22,000	
Year Total	264,000	0	264,000	
	296,000	0	296,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2019	Jun 30, 2022	Engineering Manager	



Project Summary

Project Number:	4378BD2001
Title:	Grout Repair Upstairs Parks Office & Tile Replacement
Project Type:	E - Capital Maintenance
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description			
Prep and re-grout entire upstairs. Match existing grout color, repair, and replace tiles as needed. Several areas need tiles reset.			
Project Internal Staff			
Building Maintenance			
Project Justification			
Twelve years of heavy traffic and use has created tile that is serviceable but needs maintenance to avoid removing and replacing the current floor system.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Grout Parks Buildings Upstairs	10,000	0	10,000
Year Total	10,000	0	10,000
	10,000	0	10,000
Year Identified	Start Date	Est. Completion Date	Manager
2020	Oct 1, 2021	Oct 31, 2021	Buildings Superintendent
			Project Partner



Project Summary

Project Number: 4378HV1738
Title: 2013 1-Ton Dump Truck #692
Project Type: F - Rolling Stock
Division: 78 - Parks Services
Budget Year: 2021
Finance Option:
Asset Type: HV - Heavy Duty Vehicles
Active: Yes

Project Description

Purchase of new and scheduled replacement of IVGID pick-up trucks, flatbed trucks, service trucks and dump trucks. This is the scheduled replacement of Parks 1-ton dump truck, by the Fleet Division, for the Parks Division of the Recreation Department. This vehicle is utilized daily during summer months for hauling sod, fill dirt, top soil, green waste and equipment necessary for the maintenance of the beaches and parks around the District. Vehicles are on a 10-year replacement schedule but will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

The replacement of this truck is subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition and will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2025			
Replace 1-Ton Dump Truck	43,000	0	43,000
Year Total	43,000	0	43,000
2032			
Replace 1-Ton Dump Truck	51,400	0	51,400
Year Total	51,400	0	51,400
2039			
Replace 1-Ton Dump Truck	60,000	0	60,000
Year Total	60,000	0	60,000
	154,400	0	154,400

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2022	Jul 31, 2023	Fleet Superintendent	



Project Summary

Project Number: 4378LE1720
Title: 2013 Surf Rake #684
Project Type: F - Rolling Stock
Division: 78 - Parks Services
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description			
<p>The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule basis at the District's beaches and parks. The equipment replacement is a vital link in assuring quality conditions throughout the District. This Surf Rake #234 is specifically utilized at the IVGID beaches for grooming and cleaning the beaches, removing pine needles, pine cones, paper, rocks, trash and other debris.</p>			
Project Internal Staff			
Project Justification			
<p>This surf rake is a vital link in keeping the beaches groomed and free of trash, pine needles and debris in the spring and summer months. Although it is on a 10-year replacement program it has been moved back several time in the CIP. Presently it is not scheduled for replacement until 2013/14 which will make it 28-years old at its present replacement date. Replacement of this equipment will be subject to accrued maintenance cost, visual inspection and overall condition.</p>			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2024			
Replace Surf Rake	26,500	0	26,500
Year Total	26,500	0	26,500
2034			
Replace Surf Rake	28,000	0	28,000
Year Total	28,000	0	28,000
	54,500	0	54,500
Year Identified	Start Date	Est. Completion Date	Manager
2012	Jul 1, 2023	Jun 30, 2024	Fleet Superintendent
			Project Partner



Project Summary

Project Number:	4378LE1725
Title:	2008 Landpride Overseeder #622
Project Type:	F - Rolling Stock
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of regularly use equipment on a schedule cycle ranging from five (5) to fifteen (15) years to meet turf maintenance standards at the District's soccer fields, parks, ball fields, beaches and landscaped areas. The equipment replacement is a vital link in assuring quality turf and grounds condition throughout the District. This overseeder is on a 7-Year replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This overseeder is vital for a well maintained parks operation and necessary to ensure quality turf conditions around the District. Presently this equipment is on a 7-year replacement schedule and has been moved back several years. The final replacement date is subject to accrued maintenance cost, visual inspection and overall condition. Purchase will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Landpride Overseeder	17,000	0	17,000	
Year Total	17,000	0	17,000	
2035				
Landpride Overseeder	20,000	0	20,000	
Year Total	20,000	0	20,000	
	37,000	0	37,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Sep 1, 2020	Fleet Superintendent	



Project Summary

Project Number:	4378LE1726
Title:	2018 John Deere UTV #771
Project Type:	F - Rolling Stock
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
<p>Replace UTV (#771): The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This ATV is specifically utilized for transporting staff throughout the Districts green belts as part of the forest management program. The reduced size of this vehicle allows it to access areas with limited maneuvering space. Additionally utilized during high traffic and crowded times at the beaches and soccer field during major community events when larger vehicles may not be an alternative. Presently it is on a 5-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.</p>				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
<p>This John Deere UTV is vital to the successful operation of the Parks operations. This vehicle was on a 5-year replacement schedule and has been moved back in schedule several years. Due to accumulated usage (hours), accrued maintenance cost, visual inspection and overall condition this equipment has reached the end of its useful life. The vehicle being considered to replace this UTV is a two passenger side by side John Deere Gator with plow for clearing walkways and also transporting staff.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
utility vehicle	20,000	0	20,000	
Year Total	20,000	0	20,000	
2032				
utility vehicle	22,000	0	22,000	
Year Total	22,000	0	22,000	
2039				
utility vehicle	24,000	0	24,000	
Year Total	24,000	0	24,000	
	66,000	0	66,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2017	Aug 31, 2017	Fleet Superintendent	



Project Summary

Project Number:	4378LE1727
Title:	2015 John Deere Pro Gator #722
Project Type:	F - Rolling Stock
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
<p>Replace Gator (#772): The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a schedule cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's beaches, parks, ball fields and landscaped areas. Specifically utilized for transporting maintenance crews and hauling materials and equipment throughout the District. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It has a high payload rating and is equipped with a dump bed for the release or spreading of material. Presently it is on a 6-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.</p>				
Project Internal Staff				
Project Justification				
<p>This John Deere Gator is vital to the successful operation of the Parks operations. This grounds maintenance vehicle was moved back in the CIP replacement program from 6-years to 8-years. The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Replace Pro Gator #516	32,000	0	32,000	
Year Total	32,000	0	32,000	
2028				
Replace Pro Gator #516	34,575	0	34,575	
Year Total	34,575	0	34,575	
2035				
Replace Pro Gator #516	38,000	0	38,000	
Year Total	38,000	0	38,000	
	104,575	0	104,575	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Feb 1, 2025	Apr 30, 2025	Fleet Superintendent	



Project Summary

Project Number: 4378LE1731
Title: 2008 JD Pro-Gator #624
Project Type: F - Rolling Stock
Division: 78 - Parks Services
Budget Year: 2021
Finance Option:
Asset Type: LE - Light Duty Service Equipment
Active: Yes

Project Description

Replace Gator (#624): The equipment purchase/replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This grounds maintenance vehicle is necessary for meeting turf maintenance standards at the District's beaches, parks, ball fields and landscaped areas. Specifically utilized for transporting maintenance crews and hauling materials and equipment throughout the District. The reduced size of this vehicle allows it to access areas with limited maneuvering space. It has a high payload rating and is equipped with a dump bed for the release or spreading of material. Presently it is on a 7-year replacement schedule, however it will be moved back in the CIP if indicators reveal that no increase in maintenance cost or elevated down time will result from deferring the replacement date.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

This John Deere Gator is vital to the successful operation of the Parks operations. Presently this grounds maintenance vehicle is on a 7-year replacement schedule subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
JD Pro-Gator	36,000	0	36,000
Year Total	36,000	0	36,000
2031			
JD Pro-Gator	40,000	0	40,000
Year Total	40,000	0	40,000
	76,000	0	76,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 1, 2021	Fleet Superintendent	



Project Summary

Project Number:	4378LE1742
Title:	2015 Ball Field Groomer #706
Project Type:	F - Rolling Stock
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
Replace Ball Field Groomer (#706): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This ball field groomer is required to meet turf maintenance standards for grooming the infield areas at the District's many ball fields and is a vital link in assuring quality playing conditions. Presently the ball field groomers are on a 7-years replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This ball field groomer is critical to the parks operation at the Districts many ball fields. The groomer replacement was moved back in the CIP replacement program from 7-years to 8-years. The final replacement date is subject to accumulated usage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Ball Field Groomer	24,000	0	24,000	
Year Total	24,000	0	24,000	
2028				
Ball Field Groomer	26,000	0	26,000	
Year Total	26,000	0	26,000	
2035				
Ball Field Groomer	28,000	0	28,000	
Year Total	28,000	0	28,000	
	78,000	0	78,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Feb 1, 2021	Apr 30, 2021	Fleet Superintendent	



Project Summary

Project Number:	4378LE1743
Title:	2019 Toro 3500D Rotary Mower #792
Project Type:	F - Rolling Stock
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
<p>Replace Toro Grounds Master 3500D mower (#792): The equipment replacement program is an ongoing program designed to accomplish the goal of replacing daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. This rotary mower is required to meet turf maintenance standards and is a vital link in assuring quality turf and grounds condition throughout the District. Specifically utilized at ball fields, parks, soccer fields and other large grass areas for the scheduled mowing cycles. Presently this mower is on a 7-years replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
<p>This Toro Groundsmaster mower is critical to the parks operation for maintaining the Districts turf areas. Presently this mower is on a 7-year replacement schedule. The final replacement date is subject to accumulated usage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Toro 3500D Rotary Mower	37,000	0	37,000	
Year Total	37,000	0	37,000	
2032				
Toro 3500D Rotary Mower	40,000	0	40,000	
Year Total	40,000	0	40,000	
2040				
Toro 3500D Rotary Mower	42,000	0	42,000	
Year Total	42,000	0	42,000	
	119,000	0	119,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2018	Aug 31, 2018	Fleet Superintendent	



Project Summary

Project Number: 4378LI1207
Title: Maintenance, East & West End Parks
Project Type: E - Capital Maintenance
Division: 78 - Parks Services
Budget Year: 2021
Finance Option:
Asset Type: LI - Land Improvements
Active: Yes

Project Description

Continued maintenance and repair of the park and pavement assets at the East End Park and West End Park, on Lakeshore Blvd. Area includes approximately 10,000 sf of pavement. Engineering maintains a database on this and other facilities for pavement condition, past projects and forecasts long-term maintenance and replacement needs.

Project Internal Staff

Engineering to perform design, bid, contract administration and inspection tasks. Work to be done by outside contractor.

Project Justification

Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate accelerates deterioration.

The East End pathway is in poor alignment with the new NDOT Bikeway and also in need of flatscape renovations. NDOT was unable to accommodate the proposed work under the Bikeway project permit in 2019 and an undesirable trail configuration remains. The existing wooden flatscape improvements will be replaced with block walls similar to that at other IVGID parks and pathways will realign with the new crosswalk. This work will be permitted in 2021 and constructed in 2022.

The West End parking lot was slurry sealed in 2018. The West End asphalt pathway sees heavy root damage and a project in 2024 will reconstruct with low maintenance paver stones.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
East end improvements NDOT Permitting	2,500	0	2,500
Internal Services	2,500	0	2,500
West end asphalt maintenance	2,000	0	2,000
Year Total	7,000	0	7,000
2022			
East End Flatscape replacement	25,000	0	25,000
East End pathway reconstruction	10,000	0	10,000
Internal Services	2,500	0	2,500
West end asphalt maintenance	2,000	0	2,000
Year Total	39,500	0	39,500
2023			
Internal Services	1,000	0	1,000

West end asphalt maintenance	2,000	0	2,000
Year Total	3,000	0	3,000
2024			
West End asphalt pathway replace with pavers	35,000	0	35,000
East End crack fill and maintenance	2,000	0	2,000
Internal Services	2,500	0	2,500
West end asphalt maintenance	2,000	0	2,000
Year Total	41,500	0	41,500
2025			
East End crack fill and maintenance	2,000	0	2,000
Internal Services	1,000	0	1,000
West end asphalt maintenance	2,000	0	2,000
Year Total	5,000	0	5,000
2026			
East End crack fill and maintenance	2,000	0	2,000
Internal Services	1,000	0	1,000
West end asphalt maintenance	2,000	0	2,000
Year Total	5,000	0	5,000
2027			
East End crack fill and maintenance	2,000	0	2,000
Internal Services	1,000	0	1,000
West end asphalt maintenance	2,000	0	2,000
Year Total	5,000	0	5,000
2028			
East End crack fill and maintenance	2,000	0	2,000
Internal Services	1,000	0	1,000
West end asphalt maintenance	2,000	0	2,000
Year Total	5,000	0	5,000
2029			
East End crack fill and maintenance	2,000	0	2,000
Internal Services	1,000	0	1,000

West end asphalt maintenance	2,000	0	2,000
Year Total	5,000	0	5,000
2030			
East End crack fill and maintenance	2,000	0	2,000
Internal Services	1,000	0	1,000
West end asphalt maintenance	2,000	0	2,000
Year Total	5,000	0	5,000
2031			
Internal Services	10,000	0	10,000
West end parking lot reconstruction	30,000	0	30,000
Year Total	40,000	0	40,000
	161,000	0	161,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2012	Oct 1, 2012	Senior Engineer	



Project Summary

Project Number:	4378LI1303
Title:	Pavement Maintenance, Village Green Parking
Project Type:	E - Capital Maintenance
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description
Continued maintenance and repair of pavement assets at Aspen Grove and Village Green. Parking Lot is approximately 43,000 sf. Engineering maintains a database on this and other facilities for pavement conditions, past projects and forecasts long-term maintenance and replacement needs.

Project Internal Staff
Engineering to perform design, bid, contract administration and inspection. Work to be done by outside contractor.

Project Justification
Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. Last Slurry Seal was May 2018. 2019 Evaluation by Lumos & Associates rated the overall condition as fair to poor. Reconstruction is budgeted for 2028.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Crack Fill and Maintenance	5,000	0	5,000
Internal Services	2,500	0	2,500
Year Total	7,500	0	7,500
2022			
Crack Fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2023			
Crack Fill and Maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Slurry Seal	20,000	0	20,000
Year Total	32,500	0	32,500
2024			
Crack Fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2025			
Crack Fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000

2026			
Crack Fill and Maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Year Total	12,500	0	12,500
2027			
Crack Fill and Maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Year Total	12,500	0	12,500
2028			
Internal Services	25,000	0	25,000
Reconstruct	425,000	0	425,000
Year Total	450,000	0	450,000
2029			
Crack Fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2030			
Crack Fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2031			
Crack Fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2032			
Crack Fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2033			
Internal Services	2,500	0	2,500
Slurry Seal	30,000	0	30,000
Year Total	32,500	0	32,500
	582,500	0	582,500

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2016	Jun 30, 2017	Senior Engineer	



Project Summary

Project Number: 4378LI1403
Title: Pavement Maintenance, Preston Field
Project Type: E - Capital Maintenance
Division: 78 - Parks Services
Budget Year: 2021
Finance Option:
Asset Type: LI - Land Improvements
Active: Yes

Project Description

Continued maintenance and repair of pavement assets at Preston Field. Parking Lot is approximately 28,000 sf. Engineering maintains a database on this and other facilities for pavement condition, past projects and forecasts long-term maintenance and replacement needs.

Project Internal Staff

Engineering to perform design, bid, contract administration and inspection tasks. Work to be done by outside contractor.

Project Justification

Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. Parking lot was reconstructed in 2011 and had a structural overlay in 2017.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
Crack fill and maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2022			
Crack fill and maintenance	5,000	0	5,000
Internal Services	2,500	0	2,500
Year Total	7,500	0	7,500
2023			
Crack fill and maintenance	5,000	0	5,000
Internal Services	2,500	0	2,500
Slurry Seal	20,000	0	20,000
Year Total	27,500	0	27,500
2024			
Crack fill and maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
Year Total	6,000	0	6,000
2025			
Crack fill and maintenance	5,000	0	5,000
Internal Services	2,500	0	2,500
Year Total	7,500	0	7,500

2026			
Crack fill and maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
Year Total	<u>6,000</u>	<u>0</u>	<u>6,000</u>
2027			
Crack fill and maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Year Total	<u>12,500</u>	<u>0</u>	<u>12,500</u>
2028			
Slurry Seal	20,000	0	20,000
Year Total	<u>20,000</u>	<u>0</u>	<u>20,000</u>
2030			
Crack fill and maintenance	7,500	0	7,500
Internal Services	2,500	0	2,500
Slurry Seal	15,000	0	15,000
Year Total	<u>25,000</u>	<u>0</u>	<u>25,000</u>
2032			
Internal Services	10,000	0	10,000
Reconstruct	300,000	0	300,000
Year Total	<u>310,000</u>	<u>0</u>	<u>310,000</u>
	427,000	0	427,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Senior Engineer	



Project Summary

Project Number:	4378LI1602
Title:	Pavement Maintenance, Overflow Parking Lot
Project Type:	E - Capital Maintenance
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description

Continued maintenance and repair of the Overflow Parking Lot facility. This area includes approximately 45,000 sf of pavement. Engineering maintains a database for this and other facilities for pavement condition, past projects and forecasts long-term maintenance and replacement needs.

Project Internal Staff

Engineering to perform design, bid, contract administration and inspection tasks. Work to be done by outside contractor.

Project Justification

Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. Overflow Parking had slurry seal in 2018.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Crack fill and maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2022			
Crack fill and maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2023			
Internal Services	2,500	0	2,500
Slurry Seal	25,000	0	25,000
Year Total	27,500	0	27,500
2024			
Crack fill and maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2025			
Crack fill and maintenance	10,000	0	10,000
Year Total	10,000	0	10,000
2026			
Crack fill and maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2027			
Crack fill and maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2028			
Internal Services	2,500	0	2,500
Slurry Seal	25,000	0	25,000
Year Total	27,500	0	27,500
2031			
Crack fill and maintenance	10,000	0	10,000
Year Total	10,000	0	10,000
2033			
Crack fill and maintenance	26,000	0	26,000
Internal Services	2,500	0	2,500
Year Total	28,500	0	28,500
2036			
Internal Services	10,000	0	10,000
Reconstruct	300,000	0	300,000
Year Total	310,000	0	310,000
	438,500	0	438,500
Year Identified	Start Date	Est. Completion Date	Manager
			Project Partner

2012	Jul 1, 2016	Jun 30, 2017	Senior Engineer	
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Project Summary

Project Number: 4378LI1802
Title: Pavement Maintenance - Incline Park
Project Type: E - Capital Maintenance
Division: 78 - Parks Services
Budget Year: 2021
Finance Option:
Asset Type: LI - Land Improvements
Active: Yes

Project Description

Continued maintenance and repair of Incline Park paving assets including pathways and ball field plazas. This includes approximately 1790 lf of pedestrian trail from the skate park to the Third Creek bridge and an additional 10,000sf in asphalt plazas. Engineering maintains a database for this and other facilities for pavement condition, past projects and forecasts long-term maintenance and replacement needs.

Project Internal Staff

Engineering to perform design, bid, contract administration and inspection tasks. Work to be done by outside contractor.

Project Justification

Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. Slurry Seal scheduled for 2026.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
internal services	1,000	0	1,000
section replacement	2,500	0	2,500
Year Total	3,500	0	3,500
2022			
crack fill and maintenance	1,500	0	1,500
internal services	1,000	0	1,000
section replacement	5,000	0	5,000
Year Total	7,500	0	7,500
2023			
internal services	1,000	0	1,000
section replacement	2,500	0	2,500
Year Total	3,500	0	3,500
2024			
internal services	1,000	0	1,000
section replacement	5,000	0	5,000
Year Total	6,000	0	6,000
2025			
internal services	1,000	0	1,000
section replacement	5,000	0	5,000
Year Total	6,000	0	6,000

2026			
internal services	5,000	0	5,000
section replacement	10,000	0	10,000
slurry seal	15,000	0	15,000
Year Total	<u>30,000</u>	<u>0</u>	<u>30,000</u>
2027			
crack fill and maintenance	5,000	0	5,000
Year Total	<u>5,000</u>	<u>0</u>	<u>5,000</u>
2028			
crack fill and maintenance	5,000	0	5,000
Year Total	<u>5,000</u>	<u>0</u>	<u>5,000</u>
2029			
crack fill and maintenance	5,000	0	5,000
Year Total	<u>5,000</u>	<u>0</u>	<u>5,000</u>
2030			
crack fill and maintenance	5,000	0	5,000
Year Total	<u>5,000</u>	<u>0</u>	<u>5,000</u>
2031			
slurry seal	15,000	0	15,000
Year Total	<u>15,000</u>	<u>0</u>	<u>15,000</u>
	91,500	0	91,500

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2018		Jun 30, 2019	Senior Engineer	



Project Summary

Project Number: 4378LV1734
Title: 2011 Pick-Up with Lift gate #646
Project Type: F - Rolling Stock
Division: 78 - Parks Services
Budget Year: 2021
Finance Option:
Asset Type: LV - Light Duty Vehicles
Active: Yes

Project Description				
Purchase of new and scheduled replacement of IVGID pick-up trucks, flatbed trucks and service trucks. This is the scheduled replacement of Parks 1-ton pick-up truck, by the Fleet Division, for the Parks Division of the Recreation Department. This vehicle is also equipped with a lift gate and is utilized daily for hauling sod, materials and equipment necessary for the maintenance of the Beaches and Parks around the District. Also used for towing equipment that may not be roaded to the various areas around the District. Vehicles are on a 10-year replacement schedule subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition but will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates. Replacement truck will be a 1 ton flatbed double cab with liftgate and tool storage				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This flatbed truck is operated by the Parks Division of the Recreation Department. Specifically utilized for the daily maintenance activities of the Beaches and Parks throughout the District. Replacement of this vehicle is due to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition, and repair parts availability. The replacement vehicle will be a 1 ton flatbed with liftgate				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2023				
Replace Pick-Up with Lift gate	44,500	0	44,500	
Year Total	44,500	0	44,500	
2030				
Replace Pick-Up with Lift gate	48,000	0	48,000	
Year Total	48,000	0	48,000	
2037				
Replace Pick-Up with Lift gate	50,000	0	50,000	
Year Total	50,000	0	50,000	
	142,500	0	142,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Dec 30, 2021	Fleet Superintendent	



Project Summary

Project Number:	4378LV1735
Title:	2005 Pick-up Truck 4x4 (1-Ton) #554
Project Type:	F - Rolling Stock
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description

This project is for the scheduled replacement of vehicles, by the Fleet Division for the Parks Division of the Recreation Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates. Replacement truck will be a 1 ton flatbed double cab with liftgate and tool storage

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

This pick-up truck is operated by the Parks Division of the Recreation Department. Specifically utilized for the daily maintenance activities of the Beaches and Parks throughout the District for hauling materials and equipment. This vehicle is presently is on a 10-year replacement schedule. Replacement of this vehicle is subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition and will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Pick-up Truck 4x4	45,000	0	45,000
Year Total	45,000	0	45,000
2030			
Pick-up Truck 4x4	48,000	0	48,000
Year Total	48,000	0	48,000
2038			
Pick-up Truck 4x4	50,000	0	50,000
Year Total	50,000	0	50,000
	143,000	0	143,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Aug 1, 2019	Dec 31, 2019	Fleet Superintendent	



Project Summary

Project Number:	4378LV1737
Title:	2004 Pick-up Truck 4x4 (1-Ton) #541
Project Type:	F - Rolling Stock
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description
 This project is for the scheduled replacement of vehicles, by the Fleet Division for the Parks Division of the Recreation Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates. Replacement truck will be a 1 ton flatbed double cab with liftgate and tool storage

Project Internal Staff
 Fleet Maintenance Staff will manage this project

Project Justification
 This pick-up truck is operated by the Parks Division of the Recreation Department. Specifically utilized for the daily maintenance activities of the Beaches and Parks throughout the District for hauling materials and equipment. This vehicle is presently is on a 10-year replacement schedule and has been moved back several years. Replacement of this vehicle is subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition and will be moved back in the CIP if indicators reveal no increase in maintenance cost or elevated down time will result by deferring replacement dates.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Pick-up Truck 4x4 (1-Ton)	45,000	0	45,000
Year Total	45,000	0	45,000
2030			
Pick-up Truck 4x4 (1-Ton)	48,000	0	48,000
Year Total	48,000	0	48,000
2040			
Pick-up Truck 4x4 (1-Ton)	50,000	0	50,000
Year Total	50,000	0	50,000
	143,000	0	143,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Aug 1, 2019	Dec 31, 2019	Fleet Superintendent	



Project Summary

Project Number: 4378RS1501
Title: Replace Playground - Incline Park
Project Type: C - Capital Improvement - New Initiatives
Division: 78 - Parks Services
Budget Year: 2021
Finance Option:
Asset Type: RS - Recreation System
Active: Yes

Project Description				
Install playground at Incline Park. The playground that was at Incline Park behind left field of IP# 3 and to the side of IP#1 was removed years ago due to structural decay and failure. Since that time no playground has been installed to replace what was there, only the footprint of the border and sand surfacing remain.				
Project Internal Staff				
Buildings Staff and Parks Staff will supervise, install and inspect project, including excavation, installation of drainage and fall material and installation of play equipment.				
Project Justification				
Installation of a playground for ages 2 to 5 will provide an established safe area for children to play. An area is needed for children to play especially during softball/baseball/soccer games as the players often bring their families.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Design	20,000	0	20,000	
Year Total	20,000	0	20,000	
2023				
Install Incline Park Playground	100,000	0	100,000	
Year Total	100,000	0	100,000	
	120,000	0	120,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2023	Senior Engineer	



Project Summary

Project Number:	4378RS1601
Title:	Replace Playgrounds - Preston
Project Type:	E - Capital Maintenance
Division:	78 - Parks Services
Budget Year:	2021
Finance Option:	
Asset Type:	RS - Recreation System
Active:	Yes

Project Description
Replace playgrounds at Preston Parks. This work is part of on-going life-cycle replacement of the District's Parks infrastructure and assets.

Project Internal Staff
Buildings Staff and Parks Staff will supervise, help with installation and inspect project, including excavation, installation of drainage and fall material and installation of play equipment.

Project Justification
Replacement of a playground will provide an established safe area for children to play. An area is needed for children to play especially during softball/baseball/soccer games as the players often bring their families. The playground at Preston is also a popular destination for families unrelated to events scheduled at the Field and is an alternative to the facilities at Incline and Burnt Cedar Beach. This is the only playground in the District that is available to residents without Beach access.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Repairs	7,500	0	7,500
Year Total	7,500	0	7,500
2022			
Repairs	7,500	0	7,500
Year Total	7,500	0	7,500
2023			
Repairs & Design	7,500	0	7,500
Year Total	7,500	0	7,500
2024			
Replace playground Preston Park	100,000	0	100,000
Year Total	100,000	0	100,000
	122,500	0	122,500

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2022	Senior Engineer	



5 Year Capital Improvement Plan Summary Tennis

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
Tennis	4588BD1602	Paint All Court Fences and Light Poles	Buildings	26,000	-	-	-	-	26,000
			Superintendent						
	4588LI1201	Pavement Maintenance, Tennis Facility	Senior Engineer	5,000	5,000	5,000	10,000	22,500	47,500
	4588RS1401	Resurface Tennis Courts 8-9-10-11	Director of Parks and Recreation	17,600	-	-	-	-	17,600
	4588RS1402	Resurface Tennis Courts 3 thru 7	Director of Parks and Recreation	-	-	-	23,000	-	23,000
	4588RS1501	Resurface Tennis Courts 1 and 2	Director of Parks and Recreation	-	-	-	-	10,000	10,000
	Total			48,600	5,000	5,000	33,000	32,500	124,100



Project Summary

Project Number:	4588BD1602
Title:	Paint All Court Fences and Light Poles
Project Type:	E - Capital Maintenance
Division:	88 - Tennis
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
The center court light poles and all the court fence enclosures were last painted in the spring of 2006. All the aforementioned are chipping, fading and showing the start of rusting due to age of the paint and exposure. To maintain the appearance all should be repainted to enhance the quality of the courts and overall appearance.				
Project Internal Staff				
Staff will supervise and inspect contractor installation project.				
Project Justification				
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the Tennis Center asset and customer service.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Contingency	4,500	0	4,500	
Internal Services	3,500	0	3,500	
Paint light poles/fences	18,000	0	18,000	
Year Total	26,000	0	26,000	
2026				
Contingency	6,500	0	6,500	
Internal Services	3,500	0	3,500	
Paint light poles/fences	20,000	0	20,000	
Year Total	30,000	0	30,000	
2028				
Wind Screens on all courts	27,500	0	27,500	
Year Total	27,500	0	27,500	
	83,500	0	83,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	May 9, 2016	May 27, 2016	Buildings Superintendent	



Project Summary

Project Number: 4588LI1201
Title: Pavement Maintenance, Tennis Facility
Project Type: E - Capital Maintenance
Division: 88 - Tennis
Budget Year: 2021
Finance Option:
Asset Type: LI - Land Improvements
Active: Yes

Project Description

Continued maintenance and repair of the tennis facility paving assets, including parking lot and pathways. Area includes approximately 15,000 sf of pathways and 15,000 sf of parking lot. Engineering maintains a database for this and other facilities for pavement condition, past projects and forecasts long-term maintenance and replacement needs.

Project Internal Staff

Engineering to perform design, bid, contract administration and inspection tasks. Work to be done by outside contractor.

Project Justification

Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. The parking lot was reconstructed in 2014. Parking lot Slurry is planned in 2020. Pathways are of varied age and require annual maintenance.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
Crack fill and maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2022			
Crack fill and maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2023			
Crack fill and maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2024			
Crack fill and maintenance	7,500	0	7,500
Internal Services	2,500	0	2,500
Year Total	10,000	0	10,000
2025			
Internal Services	2,500	0	2,500
Slurry Seal	20,000	0	20,000
Year Total	22,500	0	22,500
2026			
Crack fill and maintenance	5,000	0	5,000
Year Total	5,000	0	5,000

2027			
Crack fill and maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2029			
Crack fill and maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Year Total	12,500	0	12,500
2030			
Internal Services	2,500	0	2,500
Slurry Seal	20,000	0	20,000
Year Total	22,500	0	22,500
2033			
Crack fill and maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Year Total	12,500	0	12,500
2035			
Slurry Seal	20,000	0	20,000
Year Total	20,000	0	20,000
2036			
Internal Services	10,000	0	10,000
Reconstruct	300,000	0	300,000
Year Total	310,000	0	310,000
	435,000	0	435,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2016	Jun 30, 2017	Senior Engineer	



Project Summary

Project Number:	4588RS1401
Title:	Resurface Tennis Courts 8-9-10-11
Project Type:	E - Capital Maintenance
Division:	88 - Tennis
Budget Year:	2021
Finance Option:	
Asset Type:	RS - Recreation System
Active:	Yes

Project Description					
Resurface courts 8-9-10-11 on a 6-year cycle.					
Project Internal Staff					
Parks & Recreation Superintendent will supervise and inspect contractor installed project					
Project Justification					
The surface material is affected by factors of usage and weather and should be expected to be maintained every 6 years.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2021					
Resurface Courts 8 - 11	17,600	0	17,600		
Year Total	17,600	0	17,600		
2027					
Resurface Courts 8 - 11	19,000	0	19,000		
Year Total	19,000	0	19,000		
2033					
Resurface Courts 8 - 11	20,500	0	20,500		
Year Total	20,500	0	20,500		
	57,100	0	57,100		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2012			Director of Parks and Recreation		



Project Summary

Project Number: 4588RS1402
Title: Resurface Tennis Courts 3 thru 7
Project Type: E - Capital Maintenance
Division: 88 - Tennis
Budget Year: 2021
Finance Option:
Asset Type: RS - Recreation System
Active: Yes

Project Description

Resurface Tennis Courts 3,4,5,6 and 7 on a 5 year cycle.

This work will also include necessary drainage improvements to prevent flooding of the near court areas after rain events and court washings.

Project Internal Staff

Parks & Recreation Superintendent will supervise the contractor.

Project Justification

The surface material is affected by factors of usage and weather and should be expected to be maintained every 5 years. The drainage improvements were identified as a priority in the 2016 Tennis Facility Plan.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2024			
Resurface by contractor	23,000	0	23,000
Year Total	23,000	0	23,000
2029			
Resurface by contractor	24,000	0	24,000
Year Total	24,000	0	24,000
2034			
Resurface by contractor	25,000	0	25,000
Year Total	25,000	0	25,000
	72,000	0	72,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	May 1, 2019	Jun 1, 2019	Director of Parks and Recreation	



Project Summary

Project Number: 4588RS1501
Title: Resurface Tennis Courts 1 and 2
Project Type: E - Capital Maintenance
Division: 88 - Tennis
Budget Year: 2021
Finance Option:
Asset Type: RS - Recreation System
Active: Yes

Project Description				
Resurface Tennis Courts 1 & 2 on a 5-year cycle.				
This work will also include necessary drainage improvements to prevent flooding of the near court areas after rain events and court washings.				
Project Internal Staff				
Parks & Recreation Superintendent will supervise the contractor.				
Project Justification				
The surface material is affected by factors of usage and weather and should be expected to be maintained every 5 years.				
The drainage improvements were identified as a priority in the 2016 Tennis Facility Plan.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Court Resurfacing	10,000	0	10,000	
Year Total	10,000	0	10,000	
2030				
Court Resurfacing	11,000	0	11,000	
Year Total	11,000	0	11,000	
2035				
Court Resurfacing	12,000	0	12,000	
Year Total	12,000	0	12,000	
	33,000	0	33,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	May 1, 2020	Jun 1, 2020	Director of Parks and Recreation	



5 Year Capital Improvement Plan Summary Recreation Center

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
Recreation Center	4884BD1702	Replace Bird Netting	Buildings Superintendent	-	-	-	17,720	-	17,720
	4884BD1705	Upgrade Lights for I.P. Pathway	Buildings Superintendent	-	27,000	-	-	-	27,000
	4884BD1804	Chemtrol System for Recreation Center Pool	Director of Parks and Recreation	-	22,000	-	-	-	22,000
	4884BD1902	Recreation Center Upstairs Lobby Restrooms Remodel	Engineering Technician	170,000	-	-	-	-	170,000
	4884LI1102	Pavement Maintenance, Recreation Center Area	Senior Engineer	62,500	7,500	357,500	307,500	307,500	1,042,500
	4884RS1503	Replaster Recreation Center Pool	Buildings Superintendent	-	-	-	200,000	-	200,000
	4886LE0001	Fitness Equipment	Recreation Center Manager	45,000	47,250	49,000	70,000	57,200	268,450
	4899BD1305	Paint Interior of Recreation Center	Buildings Superintendent	-	15,500	-	15,500	-	31,000
	4899FF1202	Rec Center Locker Room Improvements	Engineering Manager	60,000	720,000	-	-	-	780,000
	4899LV1721	2012 15-Passenger Van #667	Fleet Superintendent	-	45,800	-	-	-	45,800
	4899LV1723	2017 Chevy Compact SUV #751	Fleet Superintendent	-	32,000	-	-	-	32,000
	4899ME2001	Recreation Center Elevator Modernization	Engineering Technician	97,500	-	-	-	-	97,500
	4899OE1607	Recreation Center Printer Copier Replacement 980 Incline Way	Director of IT	20,000	-	-	-	-	20,000
	Total			455,000	917,050	406,500	610,720	364,700	2,753,970



Project Summary

Project Number: 4884BD1702
Title: Replace Bird Netting
Project Type: G - Equipment & Software
Division: 84 - Operations
Budget Year: 2021
Finance Option:
Asset Type: BD - Buildings & Structures
Active: Yes

Project Description				
The bird netting under the eaves at the Recreation Center is ten years old. It is beginning to fray and unravel, creating gaps in the netting. The netting protects the building from birds that create a nest on the building or peck holes in the building to nest. It also serves as a barrier to rodents that prey on the bird eggs. Additionally, rodents enter the holes and end up in the dead space in the walls causing further damage.				
Project Internal Staff				
Buildings Maintenance Staff				
Project Justification				
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed to maintain the value of the Recreation Center asset and customer service.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Contingency	1,800	0	1,800	
Internal Services	620	0	620	
replace bird netting under eaves Recreation Center	15,300	0	15,300	
Year Total	17,720	0	17,720	
2030				
Contingency	2,000	0	2,000	
Internal Services	620	0	620	
replace bird netting under eaves Recreation Center	17,100	0	17,100	
Year Total	19,720	0	19,720	
	37,440	0	37,440	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016	Aug 1, 2017	Sep 1, 2017	Buildings Superintendent	



Project Summary

Project Number:	4884BD1705
Title:	Upgrade Lights for I.P. Pathway
Project Type:	E - Capital Maintenance
Division:	84 - Operations
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
Upgrade pole light heads for the Incline Park pathway				
Project Internal Staff				
Buildings Maintenance				
Project Justification				
This project would complete the pathway light upgrade began last year with the lights adjacent to the Skateboard Park. The remaining twelve light heads would be replaced with a more efficient and longer lasting LED plug in as opposed to the metal halide blubs that are currently in use. The manufacture life expectancy on the LED plug in is 15-18 years				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Contingency	4,200	0	4,200	
Internal Sevices	6,000	0	6,000	
Upgrade Lights for I.P. Pathway	16,800	0	16,800	
Year Total	27,000	0	27,000	
	27,000	0	27,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017	Aug 1, 2021	Nov 1, 2021	Buildings Superintendent	



Project Summary

Project Number:	4884BD1804
Title:	Chemtrol System for Recreation Center Pool
Project Type:	G - Equipment & Software
Division:	84 - Operations
Budget Year:	2021
Finance Option:	
Asset Type:	ME - Mechanical Equipment
Active:	Yes

Project Description		Chemtrol Water Safety System for Recreation Center pool		
Project Internal Staff		Indra Winqest, Daniel Vargas		
Project Justification		Current Chemtrol system was installed in the Late 90's. It has undergone a minimum of three major repairs. A replacement system will provide advanced technology as well as the ability to monitor and make adjustments remotely.		
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Chemtrol System RC Pool	22,000	0	22,000	
Year Total	22,000	0	22,000	
	22,000	0	22,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2018			Director of Parks and Recreation	



Project Summary

Project Number:	4884BD1902
Title:	Recreation Center Upstairs Lobby Restrooms Remodel
Project Type:	E - Capital Maintenance
Division:	84 - Operations
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description			
Renovate the upstairs men's and women's restrooms rooms at the Rec Center. Improvements will include new tile, fixtures, partitions, etc.			
Project Internal Staff			
Engineering staff will select an Architect to prepare construction documents for proposed improvements. During design, Rec Center staff will provide feedback on proposed designs. Construction to be completed by a licensed contractor. Construction management to be provided by the Architect and IVGID staff.			
Project Justification			
The restrooms are showing their age and have fallen below IVGID's standard of service. The new material should be designed to last many years, be easier to clean, and prevent rust.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Construction	130,000	0	130,000
Construction Management	13,000	0	13,000
Construction Reserves	13,000	0	13,000
Design/Internal Services	14,000	0	14,000
Year Total	170,000	0	170,000
	170,000	0	170,000
Year Identified	Start Date	Est. Completion Date	Manager
2019		Nov 30, 2021	Engineering Technician
			Project Partner



Project Summary

Project Number:	4884LI1102
Title:	Pavement Maintenance, Recreation Center Area
Project Type:	E - Capital Maintenance
Division:	84 - Operations
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description

Continued maintenance and repair of Recreation Center area's pavement assets. These include the entry roads and parking lot, The Tennis facility area is budgeted separately. This includes approximately 91,000 sf of pavement and concrete curbing. Engineering maintains a database on this and all other facilities for pavement condition, past projects and forecasts long-term maintenance and replacement needs.

Project Internal Staff

Engineering to perform design, bid, contract administration and inspection tasks. Work to be done by outside contractor.

Project Justification

Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. The Recreation Center parking lot was built in 1991 and reached its expected service life. Lumos & Associates 2019 evaluation rated this site as poor condition. This site will need increased maintenance for ongoing safety repairs until it can be reconstructed. Section replacement is planned for 2020 with a Slurry Seal in 2021. Rebuild of the parking lot is anticipated in 2023.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
Crackfill and Maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Slurry Seal	50,000	0	50,000
Year Total	62,500	0	62,500
2022			
Crackfill and Maintenance	5,000	0	5,000
Internal Services	2,500	0	2,500
Year Total	7,500	0	7,500
2023			
Engineering Services	50,000	0	50,000
Internal Services	7,500	0	7,500
Reconstruct Rec Center Parking and Roads	300,000	0	300,000
Year Total	357,500	0	357,500
2024			
Internal Services	7,500	0	7,500

Reconstruct Rec Center Parking and Roads	300,000	0	300,000
Year Total	307,500	0	307,500
2025			
Internal Services	7,500	0	7,500
Reconstruct Rec Center Parking and Roads	300,000	0	300,000
Year Total	307,500	0	307,500
2026			
Crackfill and Maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
Year Total	6,000	0	6,000
2027			
Crackfill and Maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
Year Total	6,000	0	6,000
2028			
Crackfill and Maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
Year Total	6,000	0	6,000
2029			
Crackfill and Maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
Year Total	6,000	0	6,000
2030			
Crackfill and Maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Slurry Seal	40,000	0	40,000
Year Total	52,500	0	52,500
2033			
Internal Services	5,000	0	5,000
Year Total	5,000	0	5,000
2035			
Crackfill and Maintenance	10,000	0	10,000
Slurry Seal	40,000	0	40,000
Year Total	50,000	0	50,000
	1,174,000	0	1,174,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2016	Jun 30, 2017	Senior Engineer	



Project Summary

Project Number:	4884RS1503
Title:	Replaster Recreation Center Pool
Project Type:	E - Capital Maintenance
Division:	84 - Operations
Budget Year:	2021
Finance Option:	
Asset Type:	RS - Recreation System
Active:	Yes

Project Description	<p>The recreation Center pool plaster surfaces require periodic replacement. The anticipated lifespan is 10-15 years. Over time cracking and surface failure will create health and safety impacts to continued use of the pool. The breakdown and cracking of the pool surface creates an unsafe pool sub straight. Therefore the floor does not meet health dept safety code requirements. Continued maintenance of the pool has involved patching of failed areas to meet current requirements. This project will time for repairs is approximately one month. The pool deck resurfacing CIP will be done at the same time minimizing pool closure time.</p>
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Project Internal Staff	Staff will supervise and inspect contractor installation project.
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Project Justification	The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience and Health Department Codes. This project is designed primarily to maintain the value of the Recreation Center asset and customer service.
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Forecast	
Budget Year	Total Expense Total Revenue Difference
2024	
Contingency	15,000 0 15,000
Internal Services	10,000 0 10,000
Replaster/Resurface Pool	175,000 0 175,000
Year Total	200,000 0 200,000
2038	
Contingency	18,000 0 18,000
Internal Services	7,000 0 7,000
Replaster/Resurface Pool	175,000 0 175,000
Year Total	200,000 0 200,000
	400,000 0 400,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013			Buildings Superintendent	



Project Summary

Project Number:	4886LE0001
Title:	Fitness Equipment
Project Type:	G - Equipment & Software
Division:	86 - Rec Center Fitness
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
Annual/routine replacement cycle for the purchase of IV Recreation Center fitness equipment including: Cardiovascular & Strength Training Equipment (i.e. treadmills, stair climbers, stationary bike, rowing machines, elliptical, leg & chest press etc.); and flooring for Group Fitness Room. This capital improvement project earmarks funds to purchase equipment that has reached its life expectancy and/or cannot be restored to operate at peak efficiency, plus shipping, installation and projected price increases. Most cardiovascular equipment has a 5-7 year life expectancy, and strength equipment 6-9 year life expectancy. New equipment purchases will adhere to top level fitness trends, standards and reputation to satisfy and retain the Recreation Center membership, meet the needs of the diverse age/ability range of the users, and include personal viewing systems(or latest technology) to enhance personal workouts.				
Project Internal Staff				
Project Justification				
2021-Replace with similar equipment: Three Precor Treadmills, Two Precor Recumbent Bikes, Versaclimber Sports Model, Freemotion Squat Rack and Two Reformers Budget: \$45,000				
2022- Replace with similar equipment: Versaclimber Sports Model, two Matrix treadmills, floor spin bikes, two Life Fitness Elliptical, one concept rower, two recumbent bikes and dumbbells				
2023-Replace with similar equipment: Exerflex flooring (\$30,000), replace two Life Fitness upright bikes, Cybex Arc Trainers and a recumbent bike.				
2024 – Replace with similar equipment: Powermill, Four pieces Matrix Strength Circuit Chest Press, Bicep/Tricep Fly/Rear Delt/Leg Extension and Flooring Cardio Strength Room				
2025- Replace with similar equipment: Five pieces of Matrix Strength Circuit (shoulder press, lat pull down, seated row, leg press, and glute) and two treadmills, two ellipticals, two upright bikes				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Fitness Equipment	45,000	0	45,000	
Year Total	45,000	0	45,000	
2022				
Fitness Equipment	47,250	0	47,250	
Year Total	47,250	0	47,250	
2023				
Fitness Equipment	49,000	0	49,000	
Year Total	49,000	0	49,000	
2024				
Fitness Equipment	70,000	0	70,000	
Year Total	70,000	0	70,000	
2025				
Fitness Equipment	57,200	0	57,200	
Year Total	57,200	0	57,200	
	268,450	0	268,450	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2014			Recreation Center Manager	



Project Summary

Project Number: 4899BD1305
Title: Paint Interior of Recreation Center
Project Type: E - Capital Maintenance
Division: 99 - Rec. Admin.
Budget Year: 2021
Finance Option:
Asset Type: BD - Buildings & Structures
Active: Yes

Project Description

This project is for on-going upkeep and re-application of the interior paint in the Recreation Center. Many areas of the facility are damaged, dirty and stained from usage and age. Touch up paint and repairs have been made to the interior walls of the Buildings to maintain the general appearance of the Facility. However, as more touch up is completed different shades of the same paint become visible due to age of the existing paint. By repairing the damaged areas and painting the entire facility interior it improves what will become a customer service issue, if not addressed and the appearance and further protects the overall interior. High traffic to be done every two years with initial install of corner guards in upper hallway.

Project Internal Staff

Buildings Staff will supervise and inspect project.

Project Justification

The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the Recreation Center asset and customer service.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2022			
Contingency	2,000	0	2,000
Internal Services	1,000	0	1,000
Paint Interior	12,500	0	12,500
Year Total	15,500	0	15,500
2024			
Contingency	2,000	0	2,000
Internal Services	1,000	0	1,000
Paint Interior	12,500	0	12,500
Year Total	15,500	0	15,500
2031			
Contingency	5,000	0	5,000
Internal Services	2,000	0	2,000
Paint Interior	42,500	0	42,500
Year Total	49,500	0	49,500
	80,500	0	80,500

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Sep 1, 2020	Buildings Superintendent	



Project Summary

Project Number:	4899FF1202
Title:	Rec Center Locker Room Improvements
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - Rec. Admin.
Budget Year:	2021
Finance Option:	
Asset Type:	FF - Furniture and Fixtures
Active:	Yes

Project Description				
Renovate men's and women's locker rooms at the Rec Center. Improvements will include new tile, fixtures, lockers, ceiling tile, etc.				
Project Internal Staff				
Engineering staff will select an Architect to prepare construction documents for proposed improvements. During design, Rec Center staff will provide feedback on proposed designs. Construction to be completed by a licensed contractor. Construction management to be provided by Architect and IVGID staff.				
Project Justification				
The locker rooms are showing their age and have fallen below IVGID's standard of service. Lockers to be replaced by modern units with an integrated security system for safety and ease of use. The new material should be designed to last many years, be easier to clean, and prevent rusting and mold/smell in the facility. The built-in locking/security system advantage is that it prevents vandalism and theft of members/guests' personal items as they do not have to remember their own lock. New tile and fixtures will help modernize the facility. Potential funding source: included in annual budget depreciation that sets user fees and Rec Fee allotment.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Design	60,000	0	60,000	
Year Total	60,000	0	60,000	
2022				
Construction Management	60,000	0	60,000	
Construction Reserves	60,000	0	60,000	
Placeholder - Construction	600,000	0	600,000	
Year Total	720,000	0	720,000	
	780,000	0	780,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2021			Engineering Manager	



Project Summary

Project Number:	4899LV1721
Title:	2012 15-Passenger Van #667
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description	<p>This project is for the scheduled replacement of vehicles by the Fleet Division for the Incline Recreation Department. This 15-passenger, 4-wheel drive van is utilized year around on a limited basis for transporting children from the elementary school to the Recreation Center. Additionally during the winter months it is utilized by Diamond Peak for transporting skiers to and from the Ski Resort during light load requirements. Vehicles are on a 10-year replacement program subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition.</p>
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Project Internal Staff	<p>Fleet Maintenance Staff will manage this project</p>
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Project Justification	<p>The final replacement date is subject to accumulated usage (hours), accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Replace 15-Pass. Van	45,800	0	45,800
Year Total	45,800	0	45,800
2032			
Replace 15-Pass. Van	57,000	0	57,000
Year Total	57,000	0	57,000
	102,800	0	102,800

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Jun 30, 2022	Fleet Superintendent	



Project Summary

Project Number: 4899LV1723
Title: 2017 Chevy Compact SUV #751
Project Type: F - Rolling Stock
Division: 99 - Rec. Admin.
Budget Year: 2021
Finance Option:
Asset Type: LV - Light Duty Vehicles
Active: Yes

Project Description				
This project is for the scheduled replacement of vehicles by the Fleet Division for the Incline Recreation Department. This all wheel drive (AWD) SUV is utilized year around for transporting customers for different Recreation Dept programs and for employee transportation. It is regularly used by 14+ employees and and as a shared vehicle with multiple departments, for meetings and to purchase supplies out of the Basin so AWD is required.				
Project Internal Staff				
Fleet Division will coordinate procurement of the new vehicle.				
Project Justification				
The 2017 Chevrolet Traverse proposed for purchase will provide additional cargo capacity and, most importantly, a third row of seating.				
District vehicles are generally on a 10-year replacement program subject to accumulated mileage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. This vehicle due to high usage and and leaves the district for extended trips will be on a 5 year replacement				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Chevrolet Traverse	32,000	0	32,000	
Year Total	32,000	0	32,000	
2027				
Chevrolet Traverse	35,000	0	35,000	
Year Total	35,000	0	35,000	
2032				
Chevrolet Traverse	39,000	0	39,000	
Year Total	39,000	0	39,000	
2037				
Chevrolet Traverse	40,000	0	40,000	
Year Total	40,000	0	40,000	
	146,000	0	146,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2017	Jul 31, 2017	Fleet Superintendent	



Project Summary

Project Number: 4899ME2001
Title: Recreation Center Elevator Modernization
Project Type: D - Capital Improvement - Existing Facilities
Division: 99 - Rec. Admin.
Budget Year: 2021
Finance Option:
Asset Type: ME - Mechanical Equipment
Active: Yes

Project Description					
Modernization of existing Recreation Center Elevator to include new operational and mechanical control devices.					
Project Internal Staff					
IVGID staff will manage the bid process and provide construction management services. Construction to be performed by licensed contractor.					
Project Justification					
The existing elevator has reached the end of its design life and does not comply with current A17.1-2013 elevator code.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2021					
Construction	75,000	0	75,000		
Construction Management	7,500	0	7,500		
Construction Reserve	7,500	0	7,500		
Design	7,500	0	7,500		
Year Total	97,500	0	97,500		
	97,500	0	97,500		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2020			Engineering Technician		



Project Summary

Project Number:	4899OE1607
Title:	Recreation Center Printer Copier Replacement 980 Incline Way
Project Type:	G - Equipment & Software
Division:	99 - Rec. Admin.
Budget Year:	2021
Finance Option:	
Asset Type:	OE - Office Equipment
Active:	Yes

Project Description

Replacement of the large volume color/black device serving the administrative office and front counter at the Recreation Center. It provides black ink copies for documents and color usage is generally for program materials for a variety of recreation activities. Color printing is meter and requires a user code. This project is for the cost of the printer copier only and does not include monthly maintenance charges which is part of the District's comprehensive maintenance plan.

Project Internal Staff

The IT Technician oversees the routine maintenance and care and condition assessment of this device.

Project Justification

The current volume printed/copied on this device averages around 15,000 a month. It is a Xerox WorkCentre 7970 purchased in 2015. Life cycle is 2,400,000 images. The meter read at 12/1/15 was 26,000. Proposed new printer/copier will be based on industry comparisons for functionality and capacity, considering the best pricing we can get from state and local contracts.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
Copier	20,000	0	20,000
Year Total	20,000	0	20,000
2026			
Copier	25,000	0	25,000
Year Total	25,000	0	25,000
	45,000	0	45,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Director of IT	



5 Year Capital Improvement Plan Summary Community Services Shared

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
Community Services Shared	4999BD2001	Arc Flash Study - Community Services	Director of Public Works	10,000	-	-	-	-	10,000
	4999LV1802	2017 Dodge Caravan ADA #769	Fleet Superintendent	-	53,000	-	-	-	53,000
	4999OE1399	Web Site Redesign and Upgrade	Marketing Manager	80,000	-	-	-	-	80,000
	Total			90,000	53,000	-	-	-	143,000



Project Summary

Project Number:	4999BD2001
Title:	Arc Flash Study - Community Services
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - Community Services Admin.
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description			
Evaluate the District's utility facilities to determine the hazards and risks in relation to electrical systems. The study results in arc flash equipment labeling, fault current, and coordination analysis, recommendations for improvements and requirements for proper personal protective equipment (PPE). A review and analysis of the facility's written electrical safety program may also be included.			
Project Internal Staff			
Project Justification			
OSHA requires employers to identify and protect their workers from workplace hazards including electrical systems. Additionally, the National Fire Protection Association has further requirements that require an arc flash study to protect employees or contract employees working on or operating electrical equipment.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Design and Construction	10,000	0	10,000
Year Total	10,000	0	10,000
	10,000	0	10,000
Year Identified	Start Date	Est. Completion Date	Manager
2020			Director of Public Works
			Project Partner



Project Summary

Project Number:	4999LV1802
Title:	2017 Dodge Caravan ADA #769
Project Type:	F - Rolling Stock
Division:	99 - Community Services Admin.
Budget Year:	2021
Finance Option:	
Asset Type:	LV - Light Duty Vehicles
Active:	Yes

Project Description

This project is for the scheduled replacement of vehicles, by the Fleet Division for the Recreation Department. Vehicles are on a 10-year replacement program subject to accumulated mileage, maintenance cost, oil analysis reports, visual inspection and overall condition. Vehicles will be moved back in the CIP program if indicators reveal no increase in equipment down time or elevated maintenance cost will result by deferring replacement dates.

Project Internal Staff

Fleet Maintenance Staff will manage this project

Project Justification

This vehicle is ADA compliant and is used by the Recreation Center for the Senior Transportation Program and other Parks & Recreation programming. This vehicle is also used to transport individuals in the District with qualifying disabilities to District venues/programs as well as to and from necessary life related services. The final replacement date is due to accumulated usage (mileage), accrued maintenance cost, oil analysis reports, visual inspection and overall condition and this very high use vehicle has exceeded its service life.

This vehicle is approaching 10 years old and is the highest mileage daily use vehicle in the District. Expected mileage at time of replacement will be over 115,000 miles

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
ADA Van	53,000	0	53,000
Year Total	53,000	0	53,000
2027			
ADA Van	57,000	0	57,000
Year Total	57,000	0	57,000
2032			
ADA Van	60,000	0	60,000
Year Total	60,000	0	60,000
2037			
ADA Van	63,000	0	63,000
Year Total	63,000	0	63,000
	233,000	0	233,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016	Jul 1, 2024	Dec 31, 2024	Fleet Superintendent	



Project Summary

Project Number:	4999OE1399
Title:	Web Site Redesign and Upgrade
Project Type:	G - Equipment & Software
Division:	99 - Community Services Admin.
Budget Year:	2021
Finance Option:	
Asset Type:	OE - Office Equipment
Active:	Yes

Project Description			
Redesign/redevelop District websites. IVGID is looking for a strategic web partnership and a web agency that can reengineer the sites to incorporate the latest web technology and position them for the future with social integration and mobile features. If there is a requirement for future web work outside of the scope of IVGID staff, the selected vendor may be contracted on a per project bases or on a timed retainer.			
Project Internal Staff			
Marketing – project owner, coordination w/vendor IT – input/infrastructure & content support Upon completion of the development of the sites, IVGID will assume responsibility for web site content maintenance and administration.			
Project Justification			
A full District website redesign/redevelopment/upgrade project was completed in fiscal year 2013-14. A scheduled redesign/redevelopment project is desired in order to remain current with Internet technology and maintain our primary internet objective: build brand identity, awareness, and interest in the District and the services it provides.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
District Websites Redesign	80,000	0	80,000
Year Total	80,000	0	80,000
	80,000	0	80,000
Year Identified	Start Date	Est. Completion Date	Manager
2014			Marketing Manager
			Project Partner



5 Year Capital Improvement Plan Summary Beaches

Description	Project Number	Project Title	Project	2021	2022	2023	2024	2025	Total
Beaches									
	3970BD2601	Burnt Cedar Swimming Pool Improvements	Engineering Manager	225,000	2,700,000	-	-	-	2,925,000
	3972BD1301	Pavement Maintenance, Ski Beach	Senior Engineer	6,000	8,500	15,000	256,000	6,000	291,500
	3972BD1501	Beaches Flatscape and Retaining Wall Enhancement and Replacement	Senior Engineer	55,000	55,000	55,000	55,000	-	220,000
	3972BD1707	Burnt Cedar Dumpster enclosure	Senior Engineer	35,000	-	-	-	-	35,000
	3972FF1704	Beach Furnishings	Parks Superintendent	7,000	21,000	-	-	-	28,000
	3972LE1720	2014 John Deere 5075E Tractor #698	Fleet Superintendent	-	-	-	-	54,000	54,000
	3972LI1201	Pavement Maintenance, Incline Beach	Senior Engineer	6,500	6,500	31,500	6,500	6,500	57,500
	3972LI1202	Pavement Maintenance, Burnt Cedar Beach	Senior Engineer	12,500	12,500	67,500	12,500	12,500	117,500
	3972RS1701	Replace Playgrounds - Beaches	Senior Engineer	7,500	7,500	15,000	100,000	100,000	230,000
	3973FF1204	Incline Beach Kitchen	Food and Beverage Director	-	7,260	-	-	-	7,260
	3973LI1302	Incline Beach Facility Replacement	Engineering Manager	100,000	-	-	-	-	100,000
	3974FF1101	Burnt Cedar Beach Kitchen	Food and Beverage Director	-	6,800	-	-	-	6,800
	3999BD1702	Resurface Burnt Cedar Pool Patio Deck	Buildings Superintendent	-	-	-	-	29,100	29,100
	3999BD1703	Replace Ski Beach Entrance Gate	Buildings Superintendent	-	-	-	19,500	-	19,500
	3999BD1708	Ski Beach Bridge Replacement	Senior Engineer	-	-	120,000	-	-	120,000
	3999DI1706	Burnt Cedar Beach Backflow Device Replacement	Engineering Manager	-	-	45,000	-	-	45,000
	Total			454,500	2,825,060	349,000	449,500	208,100	4,286,160



Project Summary

Project Number:	3970BD2601
Title:	Burnt Cedar Swimming Pool Improvements
Project Type:	D - Capital Improvement - Existing Facilities
Division:	70 - Beach Aquatics
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description

The Burnt Cedar Swimming Pool and Toddler pool fiberglass surfaces require periodic replacement. Over time, discoloration, cracking and surface failure will create health and safety impacts to continued use of the pools. Breakdown of the pool surface will allow materials to cloud the water and make it unsanitary and cloudy water will not meet health dept safety code requirements. It has been determined the pool has reached the end of its service life. This project is for full swimming and toddler pool replacement, associated mechanical systems improvements, and pool deck replacement.

A consultant will be selected to complete an alternative layout analysis and evaluate existing mechanical systems. Consideration will be given to reducing the maximum depth of the pool, providing a zero-entry pool edge for improved ADA access, maintaining a water slide, and a second toddler pool or splash pad.

Project Internal Staff

Engineering will manage the project. The Director of Parks and Recreation will determine the needs for the project and coordinate project timing because the pool will need to be out of service during the summer season to complete the work.

A community interest committee will be convened by the General Manager.

Project Justification

This project will reconstruct the swimming and toddler pool, mechanical equipment and pool deck. The cost estimate is a placeholder at this time because the exact scope of work has not been identified for the replacement Burnt Cedar pool facility. The General Manager will lead a community group to received input on community desires and needs for a new pool facility. It is anticipated at this time that construction will occur in the summer of 2021. The impact to the facility will be substantial during the summer operation period. Construction will require the closing of the pool facility for the whole summer or a portion of the summer.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
Design	225,000	0	225,000
Year Total	225,000	0	225,000
2022			
Construction Management	225,000	0	225,000
Construction Reserves	225,000	0	225,000
Placeholder - Construction	2,250,000	0	2,250,000
Year Total	2,700,000	0	2,700,000
2027			
Placeholder - Construction	175,000	0	175,000
Year Total	175,000	0	175,000
2034			
Placeholder - Construction	200,000	0	200,000
Year Total	200,000	0	200,000
	2,600,000	0	2,600,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2019	Jun 30, 2022	Engineering Manager	



Project Summary

Project Number: 3972BD1301
Title: Pavement Maintenance, Ski Beach
Project Type: E - Capital Maintenance
Division: 72 - Beach Maintenance
Budget Year: 2021
Finance Option:
Asset Type: BD - Buildings & Structures
Active: Yes

Project Description

Continued maintenance and repair of Ski Beach pavement assets, including boat ramp. This site includes approximately 25,000 sf of pavement. Engineering maintains a database for this and other facilities for pavement condition, past projects and forecasts long-term maintenance and replacement needs

Project Internal Staff

Engineering to perform design, bid, contract administration and inspection tasks. Work to be done by outside contractor.

Project Justification

Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. This site was slurry sealed in 2014. The pavement is showing signs of old age and scheduled for full replacement in 2024. Lumos & Associates 2019 evaluation rated this site as fair to poor condition.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
Crack fill and maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
Year Total	6,000	0	6,000
2022			
Crack fill and maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
repairs at Boat Ramp joint	2,500	0	2,500
Year Total	8,500	0	8,500
2023			
Crack fill and maintenance	5,000	0	5,000
Internal Services	10,000	0	10,000
Year Total	15,000	0	15,000
2024			
Crack fill and maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
Reconstruct Pavement	250,000	0	250,000
Year Total	256,000	0	256,000
2025			
Crack fill and maintenance	5,000	0	5,000

Internal Services	1,000	0	1,000
Year Total	6,000	0	6,000
2026			
Crack fill and maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
Year Total	6,000	0	6,000
2027			
Crack fill and maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
Year Total	6,000	0	6,000
2029			
Crack fill and maintenance	2,500	0	2,500
Internal Services	2,500	0	2,500
Slurry Seal	7,500	0	7,500
Year Total	12,500	0	12,500
2032			
Crack fill and maintenance	5,000	0	5,000
Internal Services	1,000	0	1,000
Slurry Seal	7,500	0	7,500
Year Total	13,500	0	13,500
	329,500	0	329,500

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2016	Jun 30, 2017	Senior Engineer	



Project Summary

Project Number:	3972BD1501
Title:	Beaches Flatscape and Retaining Wall Enhancement and Replacement
Project Type:	D - Capital Improvement - Existing Facilities
Division:	72 - Beach Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description			
Wooden retaining walls, curbs, and flatscape are failing across all three beach properties. Additionally portions of the concrete flatscape is cracking and heaving. An outside consultants will determine the type of replacement materials best suited to the locations. Approach will utilize geo-block and pavers whenever possible. Construction will occur over multiple seasons.			
Project Internal Staff			
Engineering and Parks to oversee work.			
Project Justification			
Many of the existing wooden retaining walls and curbs are at the end of their useful lives and are showing signs of failure. Replacement of the wooden and concrete flatwork will not only reduce trip hazards but will also provide a significant aesthetic enhancement to the properties. At Incline/Ski Beach wooden curbing remains along the north property lines. Similarly, additional work remains along parking lots and north property lines at Burnt Cedar Beach.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Incline/Ski Beach- Planters	50,000	0	50,000
Internal Services	5,000	0	5,000
Year Total	55,000	0	55,000
2022			
Burnt Cedar Beach Parking Lots and Property Line	50,000	0	50,000
Internal Services	5,000	0	5,000
Year Total	55,000	0	55,000
2023			
Burnt Cedar Beach West End improvements	50,000	0	50,000
Internal Services	5,000	0	5,000
Year Total	55,000	0	55,000
2024			
Burnt Cedar Beach West End improvements	50,000	0	50,000
Internal Services	5,000	0	5,000
Year Total	55,000	0	55,000
	220,000	0	220,000
Year Identified	Start Date	Est. Completion Date	Manager
			Project Partner

2014	Jul 1, 2016	Jun 30, 2017	Parks Superintendent	
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Project Summary

Project Number: 3972BD1707
Title: Burnt Cedar Dumpster enclosure
Project Type: D - Capital Improvement - Existing Facilities
Division: 72 - Beach Maintenance
Budget Year: 2021
Finance Option:
Asset Type: BD - Buildings & Structures
Active: Yes

Project Description				
Provide CMU block dumpster enclosure to improve aesthetics and reduce maintenance requirements.				
Project Internal Staff				
Engineering will work with Park staff to design and bid the trash enclosure. A licensed contractor will construct the proposed improvements.				
Project Justification				
The current dumpster enclosure is built out of wood and is frequently damaged during normal operations and trash removal. IVGID standards state that dumpster enclosures must be built out of metal or concrete. This project will bring the enclosure up to standard and save the cost of frequent repairs, and having to stain the wood. The enhancement to the enclosure will also be an additional place for a recycling dumpster, as well as allowing the trash dumpster to be increased from a 4-yard unit to a 6-yard dumpster. This will make Parks staff more efficient at collecting and improve recycling efforts.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Dumpster Enclosure	35,000	0	35,000	
Year Total	35,000	0	35,000	
	35,000	0	35,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2017	Jul 1, 2019	Jun 30, 2021	Senior Engineer	



Project Summary

Project Number:	3972FF1704
Title:	Beach Furnishings
Project Type:	G - Equipment & Software
Division:	72 - Beach Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	FF - Furniture and Fixtures
Active:	Yes

Project Description	Replace park benches, bear boxes, and picnic tables as the useful life is reached. This is the annual routine replacement cycle for a collection of bear boxes, benches, and barbeques, beach chairs and picnic tables.
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Project Internal Staff	Parks Superintendent
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Project Justification	<p>Useful life of some of these items has been reached and they are scheduled for replacement. Currently plastic tables are being used at Burnt Cedar for the snack bar area and pool deck. These plastic tables are easily damaged and do not meet the standard for providing a positive experience at the facility. They also do not meet our standards for being secure, level, stable surface for children and adults. Some of the new tables will meet standards for wheelchair accessibility. Each year from our pool of lounge chairs we have to remove about five from service for damage. Currently we repair broken straps on the old chairs each year as well. Chairs are on a five- year replacement plan.</p> <p>Each year parks borrows 15- 20 circular metal tables from the Ski Area. We see the possibility in the coming future with the Ski Area needing these tables during their summer operations. We look to include these 15 additional tables in the snack bar area at Incline Beach, at the east side barbeque areas, and Ski Beach barbeque areas.</p> <p>Some of our tables at the beach have also met their useful life and cannot be repaired. These are an older style (Treks plastic) and are being phased out as they exceed the expected lifespan. They are not handicap accessible and aren't up to the current standard of an all metal green coated tables.</p> <p>Bears are very active in our area and love to try and retrieve garbage out of the bear boxes at the beach. Some of the current bear boxes have been in service for 10 years now are coming to the end of their useful life span.</p> <p>The useful life of our park barbeques is around ten years.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
15 BBQ Units	7,000	0	7,000
Year Total	7,000	0	7,000
2022			
15 double bear boxes	21,000	0	21,000
Year Total	21,000	0	21,000
	28,000	0	28,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016			Parks Superintendent	



Project Summary

Project Number:	3972LE1720
Title:	2014 John Deere 5075E Tractor #698
Project Type:	F - Rolling Stock
Division:	72 - Beach Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
<p>Replace turf tractor #698. The equipment replacement program is an ongoing program designed to accomplish the goal of replacement of daily use equipment on a scheduled cycle ranging from five (5) to fifteen (15) years. Required to meet turf maintenance standards at the District's beaches, parks, ball fields and landscaped areas. This equipment replacement is a vital link in assuring quality turf and grounds condition throughout the District. Turf tractors are utilized with several auxiliary pieces of equipment including, aerators, slicer/seeder, loader bucket, surf rake, Rack-O-Vac, scrapers, and etc. Presently turf tractors are on a 15-year CIP replacement schedule. Purchase will be deferred if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>				
Project Internal Staff				
Project Justification				
<p>This turf tractor is critical to the parks operation, utilized in conjunction with multiple pieces of auxiliary equipment. The tractor is on a 15-year replacement schedule subject to accumulated usage, accrued maintenance cost, oil analysis reports, visual inspection and overall condition. Replacement will be moved back in the CIP if indicators reveal that increased maintenance cost or elevated down time will not result by deferring the replacement date.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Replace Tractor #355	54,000	0	54,000	
Year Total	54,000	0	54,000	
2035				
Replace Tractor #355	57,000	0	57,000	
Year Total	57,000	0	57,000	
	111,000	0	111,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2015	Jul 1, 2024	Jun 30, 2025	Fleet Superintendent	



Project Summary

Project Number: 3972LI1201
Title: Pavement Maintenance, Incline Beach
Project Type: E - Capital Maintenance
Division: 72 - Beach Maintenance
Budget Year: 2021
Finance Option:
Asset Type: LI - Land Improvements
Active: Yes

Project Description

Continued maintenance and repair of Incline Beach pavements and sidewalks. Ski Beach has a separate data sheet. This area includes approximately 30,000 sf of pavement. Engineering maintains a database on this and other facilities for pavement condition, past projects and forecasts long-term maintenance and replacement needs.

Project Internal Staff

Engineering to perform design, bid, contract administration and inspection tasks. Work to be done by outside contractor.

Project Justification

Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. Sidewalk's are in need of replacement however this is on hold pending a separate project to replace the existing Beach House. This site was slurry sealed in 2014. Slurry is scheduled for 2023 on schedule with other slurry projects. Lumos & Associates 2019 evaluation rated this site as fair to poor condition.

Forecast

Budget Year	Total Expense	Total Revenue	Difference
2021			
Crack fill and Maintenance	5,000	0	5,000
Internal Services	1,500	0	1,500
Year Total	6,500	0	6,500
2022			
Crack fill and Maintenance	5,000	0	5,000
Internal Services	1,500	0	1,500
Year Total	6,500	0	6,500
2023			
Crack fill and Maintenance	10,000	0	10,000
Internal Services	1,500	0	1,500
Slurry Seal	20,000	0	20,000
Year Total	31,500	0	31,500
2024			
Crack fill and Maintenance	5,000	0	5,000
Internal Services	1,500	0	1,500
Year Total	6,500	0	6,500
2025			
Crack fill and Maintenance	5,000	0	5,000

Internal Services	1,500	0	1,500
Year Total	6,500	0	6,500
2026			
Crack fill and Maintenance	10,000	0	10,000
Internal Services	2,500	0	2,500
Year Total	12,500	0	12,500
2027			
engineering services	30,000	0	30,000
Internal Services	10,000	0	10,000
Reconstruct Incline Beach	300,000	0	300,000
Year Total	340,000	0	340,000
2029			
Crack fill and Maintenance	5,000	0	5,000
Internal Services	2,500	0	2,500
Year Total	7,500	0	7,500
2032			
Crack fill and Maintenance	5,000	0	5,000
Internal Services	1,500	0	1,500
Slurry Seal	20,000	0	20,000
Year Total	26,500	0	26,500
2037			
Slurry Seal	20,000	0	20,000
Year Total	20,000	0	20,000
2042			
Slurry Seal	20,000	0	20,000
Year Total	20,000	0	20,000
	484,000	0	484,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2019	Jun 30, 2029	Senior Engineer	



Project Summary

Project Number:	3972LI1202
Title:	Pavement Maintenance, Burnt Cedar Beach
Project Type:	E - Capital Maintenance
Division:	72 - Beach Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description
 Continued maintenance and repair of Burnt Cedar Beach pavement assets. Site includes approximately 80,000 sf of pavement. Engineering maintains a database for for this and other facilities for pavement condition, past projects and forecasts long-term maintenance and replacement needs.

Project Internal Staff
 Engineering to perform design, bid, contract administration and inspection tasks. Outside contractor to do the work.

Project Justification
 Regular preventative maintenance of pavement significantly increases the life of a facility and defers the timeline for which wholesale replacement is required. Once pavement has reached its expected lifespan and begins to fail, major rehabilitation is required. Tahoe's freeze/thaw climate and snow removal operations accelerate deterioration. Last Slurry Sealed in 2014 and holding up well. Lumos & Associates 2019 evaluation is fair overall condition. Most drains have failed and curbing is damaged throughout. Slurry seal planned for 2023. Reconstruction is budgeted for 2026 with elevated interim maintenance budgeted.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2021			
Crack fill and Maintenance	5,000	0	5,000
Internal Services	2,500	0	2,500
Section Replacement	5,000	0	5,000
Year Total	12,500	0	12,500
2022			
Crack fill and Maintenance	5,000	0	5,000
Internal Services	2,500	0	2,500
Section Replacement	5,000	0	5,000
Year Total	12,500	0	12,500
2023			
Crack fill and Maintenance	10,000	0	10,000
Engineering Services	7,500	0	7,500
Internal Services	10,000	0	10,000
Slurry Seal	40,000	0	40,000
Year Total	67,500	0	67,500
2024			
Crack fill and Maintenance	5,000	0	5,000
Internal Services	2,500	0	2,500

Section Replacement	5,000	0	5,000
Year Total	12,500	0	12,500
2025			
Crack fill and Maintenance	5,000	0	5,000
Internal Services	2,500	0	2,500
Section Replacement	5,000	0	5,000
Year Total	12,500	0	12,500
2026			
Engineering Services	10,000	0	10,000
Internal Services	25,000	0	25,000
Reconstruct	800,000	0	800,000
Year Total	835,000	0	835,000
2027			
Crack fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2028			
Crack fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2029			
Crack fill and Maintenance	5,000	0	5,000
Internal Services	2,500	0	2,500
Year Total	7,500	0	7,500
2030			
Crack fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2031			
Crack fill and Maintenance	10,000	0	10,000
Internal Services	10,000	0	10,000
Slurry Seal	40,000	0	40,000
Year Total	60,000	0	60,000
2032			
Crack fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2033			
Crack fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
2034			
Crack fill and Maintenance	5,000	0	5,000
Year Total	5,000	0	5,000
	1,050,000	0	1,050,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2019	Jun 30, 2029	Senior Engineer	



Project Summary

Project Number:	3972RS1701
Title:	Replace Playgrounds - Beaches
Project Type:	E - Capital Maintenance
Division:	72 - Beach Maintenance
Budget Year:	2021
Finance Option:	
Asset Type:	RS - Recreation System
Active:	Yes

Project Description				
Replace playgrounds at Incline Beach and Burnt Cedar Beach as part of the on-going capital maintenance and replacement of the District's Beach assets and infrastructure. This work will be completed based on inspection and evaluation of the condition of the existing facilities.				
Project Internal Staff				
Buildings and Parks Staff will supervise, help with installation and inspect project, including excavation, installation of drainage and fall material and installation of play equipment.				
Project Justification				
Condition driven replacement of playgrounds will provide an established safe area for children to play.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Repairs	7,500	0	7,500	
Year Total	7,500	0	7,500	
2022				
Repairs	7,500	0	7,500	
Year Total	7,500	0	7,500	
2023				
Repairs & Design	15,000	0	15,000	
Year Total	15,000	0	15,000	
2024				
Replace playground Incline Beach	100,000	0	100,000	
Year Total	100,000	0	100,000	
2025				
Replace Playground Burnt Cedar Beach	100,000	0	100,000	
Year Total	100,000	0	100,000	
	230,000	0	230,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2023	Senior Engineer	



Project Summary

Project Number: 3973FF1204
Title: Incline Beach Kitchen
Project Type: G - Equipment & Software
Division: 38 - Beach Food and Beverage
Budget Year: 2021
Finance Option:
Asset Type: FF - Furniture and Fixtures
Active: Yes

Project Description				
Staff has made an assessment of each major element of the Kitchen equipment. Based on estimated useful lives and knowledge of the performance of the current equipment, a replacement schedule has been developed and restated below.				
Project Internal Staff				
Project Justification				
Items presented are replacement of the same item as presently in service. There are no changes to capacities. However, properly performing equipment is essential to maintaining health and safety standards as well as serving customers timely and with a quality product. The equipment has lived out its life cycle				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Dishwashing machine	7,260	0	7,260	
Year Total	7,260	0	7,260	
	7,260	0	7,260	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Food and Beverage Director	



Project Summary

Project Number:	3973LI1302
Title:	Incline Beach Facility Replacement
Project Type:	
Division:	38 - Beach Food and Beverage
Budget Year:	2021
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description				
This CIP is for the replacement of the Incline Beach House. Based on the outcome of the 2016 Beach Facility Study and the 2019 Community Services Master Plan this project will replace the existing structure at Incline Beach and will provide a covered bar and associated deck along with an open-air dining deck. Preliminary design funds are allocated in 2021. To finalize the design and construct the proposed improvements additional funding will be required.				
Project Internal Staff				
Engineering will manage the project with support from Parks, Recreation, and Beaches Staff. A licensed contractor will construct the proposed improvements.				
Project Justification				
Improving the community gathering area at Incline Beach and the associated structure will improve an under-developed area at Incline Beach and will greatly improve the beach use for customers and community events. The existing structure is under-sized relative to current operations as well as customer use and expectations. The facility is not winterized and the structure is unavailable for use by customers during the winter months. These enhancements were identified as the highest priority improvements in the 2016 Beach Facility Study and as a Priority Project in the Community Services Master Plan				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2021				
Design/Internal Services	100,000	0	100,000	
Year Total	100,000	0	100,000	
	100,000	0	100,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012			Engineering Manager	



Project Summary

Project Number:	3974FF1101
Title:	Burnt Cedar Beach Kitchen
Project Type:	G - Equipment & Software
Division:	39 - Burnt Cedar Fd & Bev
Budget Year:	2021
Finance Option:	
Asset Type:	FF - Furniture and Fixtures
Active:	Yes

Project Description			
Staff has made an assessment of each major element of the Kitchen equipment. Based on estimated useful lives and knowledge of the performance of the current equipment, a replacement schedule has been developed reflected below.			
Project Internal Staff			
Chef will receive equipment, set up and install with delivery person.			
Project Justification			
Items presented are replacement of the same item as presently in service. There are no changes to capacities. However, properly performing equipment is essential to maintaining health and safety standards as well as serving customers timely and with a quality product.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Dishwasher under counter	6,800	0	6,800
Year Total	6,800	0	6,800
	6,800	0	6,800
Year Identified	Start Date	Est. Completion Date	Manager
2012			Food and Beverage Director
			Project Partner



Project Summary

Project Number: 3999BD1702
Title: Resurface Burnt Cedar Pool Patio Deck
Project Type: E - Capital Maintenance
Division: 99 - General Administration - Beach
Budget Year: 2021
Finance Option:
Asset Type: BD - Buildings & Structures
Active: Yes

Project Description				
The Burnt Cedar Pool facility was refinished and sealed in the spring of 2014. This project represents the normal cycle for deck resealing. The deck and patio will be monitored by Staff to determine the exact scheduling of the project.				
Project Internal Staff				
Buildings Staff will supervise and inspect contractor installation project.				
Project Justification				
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the Burnt Cedar Beach asset and customer service.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2025				
Contingency	4,600	0	4,600	
Deck Reseal	23,000	0	23,000	
Internal Services	1,500	0	1,500	
Year Total	29,100	0	29,100	
	29,100	0	29,100	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2019	Sep 21, 2001	Sep 30, 2021	Buildings Superintendent	



Project Summary

Project Number: 3999BD1703
Title: Replace Ski Beach Entrance Gate
Project Type: E - Capital Maintenance
Division: 99 - General Administration - Beach
Budget Year: 2021
Finance Option:
Asset Type: BD - Buildings & Structures
Active: Yes

Project Description				
The front security gate at Ski Beach was repaired and partially replaced in 2006. The gate is locked at different times seasonally and on holidays to restrict boat and foot traffic. The gate is rolled manually to open or close and is secured by a padlock. Normal aging through wear and tear, as well as weathering, have begun to affect the components and metal escalating repair costs and making replacement necessary before complete failure.				
Project Internal Staff				
Buildings Maintenance Staff				
Project Justification				
The general purpose of this project is to improve our facilities through required maintenance and remodel improvements that directly or indirectly reflect on our guest experience. This project is designed primarily to maintain the value of the Ski Beach asset and customer service				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2024				
Contingency	1,500	0	1,500	
Internal Services	3,000	0	3,000	
Replace Ski Beach Main Entrance Gate	15,000	0	15,000	
Year Total	19,500	0	19,500	
2032				
Contingency	1,500	0	1,500	
Internal Services	4,000	0	4,000	
Replace Ski Beach Main Entrance Gate	19,000	0	19,000	
Year Total	24,500	0	24,500	
	44,000	0	44,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2016	Sep 1, 2016	Nov 1, 2016	Buildings Superintendent	



Project Summary

Project Number:	3999BD1708
Title:	Ski Beach Bridge Replacement
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - General Administration - Beach
Budget Year:	2021
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description			
Replacement of the two bridges that provide access to Incline Beach, Ski Beach, and Hermit Beach			
Project Internal Staff			
Engineering staff will work with Parks to design and bid the new bridges. A licensed contractor will construct the proposed improvements.			
Project Justification			
The two bridges at the 960 Lakeshore (Ski & Incline Beach) lot receive a lot of use. They have been repeatedly repaired by IVGID staff throughout the years. The "rainbow" bridge between Incline Beach and Ski Beach allows users to cross between the two beaches and provides access for utility vehicles to go between without interfering with traffic on Lakeshore. The rainbow bridge does not meet ADA slope standards; the rise and run are too steep to facilitate easy access by a wheelchair. The Washoe County pathway bridge has bollards that do not allow for small vehicle use. The bridge between Ski Beach and Hermit Beach is worn and is starting to deteriorate. Repairs have been made to support the handrails and bridge treads, the end of this bridge's life has been met. The cost of each new bridge is estimated at \$60,000.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2023			
Bridge Replacement	120,000	0	120,000
Year Total	120,000	0	120,000
	120,000	0	120,000
Year Identified	Start Date	Est. Completion Date	Manager
2017	Jul 1, 2022	Jun 30, 2023	Senior Engineer
			Project Partner



Project Summary

Project Number:	3999DI1706
Title:	Burnt Cedar Beach Backflow Device Replacement
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Beach
Budget Year:	2021
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description					
This project will replace the failing and non-compliant 6-inch double check backflow device at Burnt Cedar Beach with a new reduced pressure zone assembly. Doing so replaces a failed piece of critical infrastructure and brings the entire assembly into compliance with the requirements of the most recent edition of the Uniform Plumbing Code. In order to complete the work, the piping must be reconfigured to remove the existing device from an underground vault and move the assembly to an above ground location as reduced pressure zone assemblies must be installed above ground.					
Project Internal Staff					
Engineering to design and solicit bids to replace the backflow assembly. A licensed contractor will complete the work.					
Project Justification					
The District maintains an inventory of backflow devices (13 total devices ranging in size from 1-inch to 6-inches) on all District owned irrigation systems. Backflow devices are required on irrigation systems by the Uniform Plumbing Code, the State of Nevada Administrative Code, and the District's Water Ordinance to protect the potable water system from contamination introduced via back siphoning from the irrigation system. These devices must be tested annually and are repaired as needed. Occasionally a backflow device cannot be repaired and must be replaced due to the condition or availability of parts.					
Forecast					
Budget Year	Total Expense	Total Revenue	Difference		
2023					
Backflow Device	6,000	0	6,000		
Construction and Installation	35,000	0	35,000		
Internal Services	4,000	0	4,000		
Year Total	45,000	0	45,000		
	45,000	0	45,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2016	Jul 1, 2022	Jun 30, 2023	Engineering Manager		

