

**Incline Village General Improvement District
FY2021/22 Capital Improvement Budget - Modified Carryforward - FINAL CIP BUDGET
EXCLUDING PROJECTS TO BE EXPENSED**

DESCRIPTION	PROJECT #	New Appropriations	Prior Year	FY 21/22
			Carry Forward	Final Budget
General Fund:				
Power Infrastructure Improvements	1213CE2101	57,500	-	57,500
Network Upgrades - Switches, Controllers, WAP	1213CE2102	75,000	-	75,000
Fiber Installation/Replacement	1213CE2104	10,000	-	10,000
Security Cameras	1213CE2105	100,000	-	100,000
Admin Printer Copier Replacement - 893 Southwood Administration Building	1099OE1401	32,500	-	32,500
Human Resource Management and Payroll Processing Software	1315CO1801	91,438	75,000	166,438
Total General Fund		\$ 366,438	\$ 75,000	\$ 441,438
Utility Fund:				
Replace Roof Public Works #B	2097BD1704	60,000	-	60,000
Arc Flash Study - Utilities	2097BD2001	-	-	-
Public Works Billing Software Replacement	2097CO2101	10,000	-	10,000
Water Reservoir Safety and Security Improvements	2097DI1701	-	-	-
Loader Tire Chains	2097HE1725	20,000	-	20,000
2002 Caterpillar 950G Loader #523	2097HE1729	265,000	-	265,000
2002 Caterpillar 950G Loader #525	2097HE1730	265,000	-	265,000
Snowplow #300A	2097LE1720	19,000	-	19,000
Snowplow #307A	2097LE1721	19,000	-	19,000
Pavement Maintenance, Reservoir 3-1 WPS 4-2/5-1	2097LI1701	130,000	-	130,000
Utility Shared Projects Total		788,000	-	788,000
Water Pumping Station Improvements	2299DI1102	70,000	-	70,000
Burnt Cedar Water Disinfection Plant Improvements	2299DI1401	25,000	-	25,000
Burnt Cedar Water Disinfection Plant Emergency Generator Fuel Tank Upgrades	2299DI1707	-	-	-
Watermain Replacement - Crystal Peak Road	2299WS1705	50,000	-	50,000
Watermain Replacement - Slott Pk Ct	2299WS1706	280,000	-	280,000
Water Projects Total		425,000	-	425,000
Effluent Pipeline Project	2524SS1010	2,000,000	-	2,000,000
Effluent - Pond Lining	2599SS2010	-	1,550,000	1,550,000
Sewer Pumping Station Improvements	2599DI1104	70,000	-	70,000
Sewer Pump Station #1 Improvements	2599DI1703	-	-	-
Water Resource Recovery Facility Improvements	2599SS1102	140,000	-	140,000
Wetlands Effluent Disposal Facility Improvements	2599SS1103	183,500	-	183,500
Update Camera Equipment	2599SS2107	60,000	-	60,000
Sewer Projects Total		2,453,500	1,550,000	4,003,500
Total Utility Fund		\$ 3,666,500	\$ 1,550,000	\$ 5,216,500
Championship Golf Course:				
Maintenance Building Drainage, Washpad and Pavement	3141GC1501	-	-	-
Cart Path Replacement - Champ Course	3141LI1202	55,000	-	55,000
Championship Golf Course Electric Cart Fleet and GPS	3141LV1898	-	-	-
2016 Bar Cart #724	3142LE1741	-	-	-
2016 Bar Cart #725	3142LE1742	-	-	-
2014 Toro Tri-Plex Mower 3250D #694	3142LE1744	46,000	-	46,000
2017 Toro 3500D Mower #743	3142LE1745	37,000	-	37,000
2012 JD 8500 Fairway Mower #670	3142LE1746	93,500	-	93,500
2011 Toro Groundsmaster 4000D #650	3142LE1747	68,400	-	68,400
2014 3500D Toro Rotary Mower #693	3142LE1759	37,000	-	37,000
Replacement of 2010 John Deere 8500 #641	3142LE1760	-	-	-
Range Ball Machine Replacement	3143GC2002	20,000	-	20,000
Replace Icemaker Championship Golf Course Cart Barn	3144FF1702	10,980	-	10,980
1997 1-Ton Dump Truck #419	3197HV1749	51,000	-	51,000
2000 Toro Spreader #462	3197LE1724	17,500	-	17,500
Maintenance Shop Crane and Equipment Lift	3197ME1710	-	-	-
Total Championship Golf		\$ 436,380	\$ -	\$ 436,380
Mountain Golf Course:				
Mountain Golf Cart Path Replacement	3241LI1903	-	-	-
Mountain Golf Cart Path Replacement	3241LI2001	550,000	-	550,000
2016 Bar Cart #726	3242LE1726	-	-	-
2015 Toro 4000D Rough Mower #709	3242LE1728	68,400	-	68,400
Total Mountain Golf		\$ 618,400	\$ -	\$ 618,400
Chateau and Aspen Grove:				
Replace Air Walls Chateau	3350BD1704	-	-	-
Aspen Grove Outdoor Seating BBQ and Landscaping	3351BD1703	41,400	-	41,400
Dumpster enclosure – Village Green/Aspen Grove	3351BD2101	45,000	-	45,000
Total Chateau and Aspen Grove		\$ 86,400	\$ -	\$ 86,400

**FY2021/22 Capital Improvement Budget - Modified Carryforward - FINAL CIP BUDGET
EXCLUDING PROJECTS TO BE EXPENSED**

DESCRIPTION	PROJECT #	New Appropriations	Prior Year	FY 21/22
			Carry Forward	Final Budget
Diamond Peak Ski Resort:				
Base Lodge Walk In Cooler and Food Prep Reconfiguration	3453BD1806	-	-	-
Crystal Express Ski Lift Maintenance and Improvements	3462HE1502	49,000	-	49,000
Lakeview Ski Lift Maintenance and Improvements	3462HE1702	75,000	-	75,000
Lodgepole Ski Lift Maintenance and Improvements	3462HE1711	55,000	-	55,000
Loader Tire Chains (1-Set)	3463HE1722	9,750	-	9,750
2002 Caterpillar 950G Loader #524	3463HE1723	265,000	-	265,000
Replacement of 2011 Grooming Vehicle # 645	3463HE1728	400,000	-	400,000
Ski Resort Snowmobile Fleet Replacement	3464LE1601	16,500	-	16,500
Snowplow #304A	3464LE1729	19,000	-	19,000
2014 Yamaha ATV #695	3464LV1730	19,000	-	19,000
Fan Guns Purchase and Replacement	3464SI1002	160,000	-	160,000
Replace Child Ski Center Surface Lift	3467LE1703	75,000	-	75,000
Replace Ski Rental Equipment	3468RE0002	-	-	-
Replace Lodge Facility Electrical Equipment	3469BD2101	115,000	-	115,000
Ski Way and Diamond Peak Parking Lot Reconstruction	3469LI1805	-	-	-
Arc Flash Study - Ski	3499BD2002	-	-	-
Skier Services Administration Printer Copier Replacement 1210 Ski Way	3499OE1502	10,000	-	10,000
Total Diamond Peak		\$ 1,268,250	\$ -	\$ 1,268,250
Parks:				
Upgrade Lights for I.P. Pathway	4378BD1713	27,000	-	27,000
Preston Field Retaining Wall Replacement	4378BD1801	-	-	-
2015 Ball Field Groomer #706	4378LE1742	-	-	-
Pump Track	4378LI1604	80,000	-	80,000
IVGID Community Dog Park	4378LI2104	75,000	-	75,000
2005 Pick-up Truck 4x4 (1-Ton) #554	4378LV1735	47,000	-	47,000
Village Green Drainage and Park Improvement Project	4378RS2103	20,000	-	20,000
Total Parks		\$ 249,000	\$ -	\$ 249,000
Tennis:				
Tennis Center Renovation	4588BD1604	-	-	-
Total Tennis		\$ -	\$ -	\$ -
Recreation Center:				
Recreation Center Upstairs Lobby Restrooms Remodel	4884BD1902	-	-	-
Fitness Equipment	4886LE0001	53,000	-	53,000
Rec Center Locker Room Improvements	4899FF1202	800,000	-	800,000
2017 Chevy Compact SUV #751	4899LV1723	32,000	-	32,000
Total Recreation Center		\$ 885,000	\$ -	\$ 885,000
Community Services Administration:				
Arc Flash Study - Community Services	4999BD2001	-	-	-
Web Site Redesign and Upgrade	4999OE1399	-	-	-
Total Comm. Services Admin.		\$ -	\$ -	\$ -
Community Services Fund Total:		\$ 3,543,430	\$ -	\$ 3,543,430
Beach Fund:				
Burnt Cedar Swimming Pool and Site Improvements	3970BD2601	3,350,000	-	3,350,000
Beaches Flatscape and Retaining Wall Enhancement and Replacement	3972BD1501	55,000	-	55,000
Burnt Cedar Dumpster enclosure	3972BD1707	-	-	-
Incline Beach Facility Replacement	3973LI1302	-	-	-
Incline Beach Kitchen	3973FF1204	7,260	-	7,260
Burnt Cedar Beach Kitchen	3974FF1101	6,800	-	6,800
Total Beach Fund		\$ 3,419,060	\$ -	\$ 3,419,060
District Total		\$ 10,995,428	\$ 1,625,000	\$ 12,620,428

Notes: Excluding Capital Plan Projects to be EXPENSED
Includes FY20/21 Carryforward for General Fund and Effluent Pipeline / Pond Lining Project(s) ONLY



Project Summary

Project Number:	1213CE2101
Title:	Power Infrastructure Improvements
Project Type:	G - Equipment & Software
Division:	13 - Information Services
Budget Year:	2022
Finance Option:	
Asset Type:	CE - Communications Equipment
Active:	Yes

Project Description	Power infrastructure replacements and improvements for operation of District Local Area Network and Server Infrastructures.
Project Internal Staff	Director of IT Engineering Manager
Project Justification	The district operates multiple data centers and Local Area Networks that allow communications and operation of the districts digital needs. The hardware that operates within this infrastructure is extremely sensitive to any fluctuations in the electrical power that is operates on. This includes power loss due to failure or intentional power cuts from NV Energy. The power back-up infrastructure operates both an uninterruptable power supply or UPS and a fixed place generator with automatic line to backup transfer switch. This project will replace aging UPS' and generator power units as well as put in place new generators and transfer switches where they are required.

Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
APC 3KVA UPS - Champ	2,500	0	2,500	
APC 3KVA UPS - Rec	2,500	0	2,500	
APC 3KVA UPS - Ski	7,500	0	7,500	
APC Datacenter UPS - Public Works	15,000	0	15,000	
Public Works 9kv Genset and Auto Xfer Switch	30,000	0	30,000	
Year Total	57,500	0	57,500	
2023				
9kv Genset and Auto Xfer Switch - Chateau/Champ	10,000	0	10,000	
9kv Genset and Auto Xfer Switch - Rec Center	8,000	0	8,000	
9kv Genset and Auto Xfer Switch - Skier Services/Snowflake/Upper Lodge	20,000	0	20,000	
Year Total	38,000	0	38,000	
2024				
Admin Building Generator replacement	60,000	0	60,000	
APC Datacenter UPS - Admin	15,000	0	15,000	
Year Total	75,000	0	75,000	
2027				
APC 3KVA UPS - Champ	2,500	0	2,500	
APC 3KVA UPS - Rec	2,500	0	2,500	
APC 3KVA UPS - Ski	7,500	0	7,500	
APC Datacenter UPS - Public Works	15,000	0	15,000	
Year Total	27,500	0	27,500	
2029				
APC Datacenter UPS - Admin	15,000	0	15,000	
Year Total	15,000	0	15,000	
	213,000	0	213,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2021			Director of IT	



Project Summary

Project Number:	1213CE2102
Title:	Network Upgrades - Switches, Controllers, WAP
Project Type:	G - Equipment & Software
Division:	13 - Information Services
Budget Year:	2022
Finance Option:	
Asset Type:	CE - Communications Equipment
Active:	Yes

Project Description	Ongoing replacements of end of life network hardware and associated support contracts
Project Internal Staff	Director of IT
Project Justification	The district operates several Local Area, Wide Area, and Wireless networks. This project allows the replacement and or upgrade of end of life network hardware that operate these networks as well as any associated support contracts.

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
4 Core Switches Admin & PW Datacenters	75,000	0	75,000
Year Total	75,000	0	75,000
2023			
14 Outdoor WAPs	40,000	0	40,000
Edge Switches - Satellite locations - 36 Copper Interface Layer 3 switches	65,000	0	65,000
Firewalls/VPN's/Email Gateways/Security Consulting Services	20,000	0	20,000
Year Total	125,000	0	125,000
2024			
49 Indoor WAPs	30,000	0	30,000
Edge Switches - Satellite locations - 36 Copper Interface Layer 3 switches	65,000	0	65,000
Year Total	95,000	0	95,000
2025			
49 Indoor WAPs	30,000	0	30,000
Firewalls/VPN's/Email Gateways/Security Consulting Services	20,000	0	20,000
Year Total	50,000	0	50,000
2027			
4 Core Switches Admin & PW Datacenters	75,000	0	75,000
Firewalls/VPN's/Email Gateways/Security Consulting Services	20,000	0	20,000
Year Total	95,000	0	95,000
2029			
Firewalls/VPN's/Email Gateways/Security Consulting Services	20,000	0	20,000
Year Total	20,000	0	20,000
2031			
Edge Switches - Satellite locations - 36 Copper Interface Layer 3 switches	75,000	0	75,000
Firewalls/VPN's/Email Gateways/Security Consulting Services	20,000	0	20,000
Year Total	95,000	0	95,000
	555,000	0	555,000

Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2021			Director of IT	



Project Summary

Project Number:	1213CE2104
Title:	Fiber Installation/Replacement
Project Type:	G - Equipment & Software
Division:	13 - Information Services
Budget Year:	2022
Finance Option:	
Asset Type:	CE - Communications Equipment
Active:	Yes

Project Description				
Replacement and or upgrade of the District's owned fiber communication cabling.				
Project Internal Staff				
Director of IT Engineering Manager Venue and Site Managers				
Project Justification				
The district operates several point to point copper and fiber communications lines that have aged and or been severed and need to be replaced. The replacement of aged and or severed copper communication with fiber is an industry best practice. This project allows the trenching, piping and replacement of aged lines and or addition of lines where staff have determined a need for greater, robust communications for it locations on district property.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Fiber Installation/Replacement: Replacement of current fiber run from PW admin building to Treatment Plant	10,000	0	10,000	
Year Total	10,000	0	10,000	
2023				
Fiber Installation/Replacement: Trenching / piping / fiber / termination for Snowflake to Maint Shop Link	20,000	0	20,000	
Year Total	20,000	0	20,000	
	30,000	0	30,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2021			Director of IT	



Project Summary

Project Number:	1213CE2105
Title:	Security Cameras
Project Type:	G - Equipment & Software
Division:	13 - Information Services
Budget Year:	2022
Finance Option:	
Asset Type:	CE - Communications Equipment
Active:	Yes

Project Description				
Installation or replacement of District wide video monitoring systems.				
Project Internal Staff				
Director of IT Buildings Superintendent Risk Management Specialist Venue Managers				
Project Justification				
The district operates several closed-to-the-public locations that are physically separated from one another and at times remote. The district also operates several publicly accessible locations that have needs for secure video monitoring for both security and safety purposes. District staff will move through a phased approach of installing video monitoring systems based on priority of these needs. This project also allows expenditures in relation to the installation of the systems including any billable staff time.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
District wide rollout of Security Cameras	100,000	0	100,000	
Year Total	100,000	0	100,000	
2023				
District wide rollout of Security Cameras	100,000	0	100,000	
Year Total	100,000	0	100,000	
	200,000	0	200,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2021			Director of IT	



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:	2022
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	



Project Summary

Project Number:	1315CO1801
Title:	Human Resource Management and Payroll Processing Software
Project Type:	G - Equipment & Software
Division:	15 - Human Resources
Budget Year:	2022
Finance Option:	
Asset Type:	CO - Computer Equipment
Active:	Yes

Project Description			
The District needs a comprehensive system for information management and processing for Human Resources and payroll processing. Hiring and paying staff is a voluminous and detailed process layered with multiple issue of Federal, State and District compliance. The only acceptable way to efficiently and effectively manage these process is a computerized system. This project will evaluate the current industry trends and capabilities to achieve good practices and processes for managing personnel data, time keeping, and payroll accounting for the District's 900 plus annual staffing.			
Project Internal Staff			
Human Resources would be the lead department, assisted by IT and the staff in Finance and Accounting to work with the selected vendor to provide implementation and orientation to the new system.			
Project Justification			
The current system for accumulation time records and processing payroll was acquired with the accounting system in 2010. At that time, the vendor stated an intention to issue a substantial update in the next two years. The accounting side of that update occurred in 2014 with the implementation of Innoprise. The integration of the old payroll system and the new accounting system was accomplished as part of that change. The second portion of the conversion was to include a payroll management component in the next year. That update has not been timely in its development. The needs for HR information management and payroll processing have grown. The current project seeks to find a replacement system that will address the most needs possible while still integrating to the current accounting system and operating methods.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Software Implementation	91,438	0	91,438
Year Total	91,438	0	91,438
	91,438	0	91,438
Year Identified	Start Date	Est. Completion Date	Manager
2015	Jul 1, 2018	Jun 30, 2020	Interim Director of Human Resources
			Project Partner

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Project Summary

Project Number:	2097BD1704
Title:	Replace Roof Public Works #B
Project Type:	E - Capital Maintenance
Division:	97 - Public Works Shared
Budget Year:	2022
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			
Replace Roof PW #B	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
2017	Jul 1, 2021	Dec 31, 2021	Buildings Superintendent
			Project Partner



Project Summary

Project Number:	2097CO2101
Title:	Public Works Billing Software Replacement
Project Type:	G - Equipment & Software
Division:	97 - Public Works Shared
Budget Year:	2022
Finance Option:	
Asset Type:	CO - Computer Equipment
Active:	Yes

Project Description				
<p>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.</p> <p>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.</p>				
Project Internal Staff				
Public Works Administrative Manager				
Project Justification				
<p>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.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Public Works Billing Software	10,000	0	10,000	
Year Total	10,000	0	10,000	
2023				
Public Works Billing Software	100,000	0	100,000	
Year Total	100,000	0	100,000	
2024				
Public Works Billing Software	100,000	0	100,000	
Year Total	100,000	0	100,000	
2025				
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

2016	Jul 1, 2020	Jun 30, 2024	Public Works Administrative Manager	
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Project Summary

Project Number:	2097HE1725
Title:	Loader Tire Chains - 2 Sets
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2022
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:	2022
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:	2022
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				
2002 Caterpillar 950G Loader	265,000	0	265,000	
Year Total	265,000	0	265,000	
2033				
2002 Caterpillar 950G 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
2019	Jul 1, 2023	Sep 30, 2023	Fleet Superintendent	Municipal Lease Eligible



Project Summary

Project Number:	2097LE1720
Title:	Snowplow #300A
Project Type:	F - Rolling Stock
Division:	97 - Public Works Shared
Budget Year:	2022
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
2032			
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
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:	2022
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
2022			
Snowplow	19,000	0	19,000
Year Total	19,000	0	19,000
2034			
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
2012	Jul 1, 2022	Nov 30, 2022	Fleet Superintendent	



Project Summary

Project Number:	2097LI1701
Title:	Pavement Maintenance, Reservoir 3-1 WPS 4-2/5-1
Project Type:	D - Capital Improvement - Existing Facilities
Division:	97 - Public Works Shared
Budget Year:	2022
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	60,000	0	60,000		
Roadway section replacement	25,000	0	25,000		
Year Total	130,000	0	130,000		
2023					
Retaining wall replacement	90,000	0	90,000		
Year Total	90,000	0	90,000		
	220,000	0	220,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2017	Jul 1, 2020	Jun 30, 2022	Senior Engineer		

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Project Summary

Project Number:	2299DI1102
Title:	Water Pumping Station Improvements
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Water
Budget Year:	2022
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. Public Works has identified the needed replacement of pumps, motors, and soft starts at Water Pumping Stations 4-2				
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	
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	
2026				
Pumps, motors, valves, and control rehabilitation	50,000	0	50,000	
Year Total	50,000	0	50,000	
	270,000	0	270,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Principal Engineer	



Project Summary

Project Number:	2299DI1401
Title:	Burnt Cedar Water Disinfection Plant Improvements
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Water
Budget Year:	2022
Finance Option:	
Asset Type:	WS - Water System
Active:	Yes

Project Description				
<p>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.</p> <p>This project is to cover the on-going capital maintenance and replacement of the equipment and facilities at the water disinfection plant.</p>				
Project Internal Staff				
Staff will oversee the design, bid and administer the construction.				
Project Justification				
<p>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.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Electrical, Mechanical, and Pumping Improvements	25,000	0	25,000	
Year Total	25,000	0	25,000	
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	
	1,725,000	0	1,725,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2014	Jul 1, 2020	Jun 30, 2021	Engineering Manager	



Project Summary

Project Number:	2299WS1705
Title:	Watermain Replacement - Crystal Peak Road
Project Type:	D - Capital Improvement - Existing Facilities
Division:	21 - Supply & Distribution
Budget Year:	2022
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description

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.

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
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:	2022
Finance Option:	
Asset Type:	DI - Distribution Infrastructure
Active:	Yes

Project Description

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. This project will replace the water main on Slott Peak, a Cul de Sac on the western end of Lakeshore Blvd. 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 are approximately 6 miles of old steel water mains remaining in the system. The project may also include water system improvements to address other known deficiencies in the water distribution 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 a 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
2022			
Construction	200,000	0	200,000
Construction Management Inspection & Testing	25,000	0	25,000
Construction Reserves	20,000	0	20,000
Washoe Co Street Repair and Penalties	35,000	0	35,000
Year Total	280,000	0	280,000
	280,000	0	280,000

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



Project Summary

Project Number:	2524SS1010
Title:	Effluent Pipeline Project
Project Type:	B - Major Projects - Existing Facilities
Division:	24 - Transmission
Budget Year:	2022
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	
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	
2026				
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:	2599DI1104
Title:	Sewer Pumping Station Improvements
Project Type:	E - Capital Maintenance
Division:	99 - General Administration - Sewer
Budget Year:	2022
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. Specific improvements in fiscal year 2022 includes epoxy lining wet well at SPS #1.				
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 the staff's best projection of the work to be performed. The 2021/22 fiscal year includes anticipated mechanical and electrical work at several sewer pump stations in the District.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Electrical, Mechanical, and Pumping Improvements at Various Stations	70,000	0	70,000	
Year Total	70,000	0	70,000	
2023				
Electrical, Mechanical, and Pumping Improvements at Various Stations	50,000	0	50,000	
Year Total	50,000	0	50,000	
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	
	420,000	0	420,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	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:	2022
Finance Option:	
Asset Type:	SS - Sewer System
Active:	Yes

Project Description

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. Fiscal year 2022 includes the installation of an air gap on the water service. Future years include the development, design, and construction of odor control upgrades.

Project Internal Staff

Staff selects, purchases, and installs small equipment projects. Larger replacement projects are bid to outside contractors.

Project Justification

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 the 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.

Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Concrete Tank Resurfacing and Coatings	50,000	0	50,000	
Equipment improvements	90,000	0	90,000	
Year Total	140,000	0	140,000	
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	
	1,640,000	0	1,640,000	
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:	2022
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	
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	
2025				
Resurface roadways, replace valves and install cut-off barriers in levees.	50,000	0	50,000	
Year Total	50,000	0	50,000	
2026				
Resurface roadways, replace valves and install cut-off barriers in levees.	50,000	0	50,000	
Year Total	50,000	0	50,000	
	483,500	0	483,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2020	Jun 30, 2021	Utility Maintenance Specialist	



Project Summary

Project Number:	2599SS2010
Title:	Effluent Pond Lining Project
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - General Administration - Sewer
Budget Year:	2022
Finance Options:	
Asset Type:	SS - Sewer System
Active:	No

Project Description				
Line the 2.4 million gallon effluent storage pond at the Water Resource Recovery Facility (WRRF) with reinforced concrete or the combination of concrete and shotcrete lining as recommended in the WRRF Effluent Storage Alternative Analysis Memorandum, prepared by Jacobs Engineering, dated September 2018.				
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 effluent pond is a 2.4 million gallon effluent storage basin located directly adjacent to the Water Resource Recovery Facility (WRRF). This storage basin was designed to provide automated and passive back-up effluent storage in the event the Plant's 500,000-gallon effluent storage tank fills to capacity. As a condition of IVGID's current operating permit with the Nevada Department of Environmental Protection (NDEP), IVGID is no longer permitted to utilize this storage basin for effluent storage due to it being unlined. Lining the pond will allow IVGID to return the pond into the operating plan with NDEP and provide greater protection to Lake Tahoe.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Carry Forward from FYE 6.30.2021 from CIP 2524SS1010 Effluent Pipeline Project	1,550,000	0	1,550,000	
Year Total	1,550,000	0	1,550,000	
	1,550,000	0	1,550,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2020	Jul 1, 2020	Jun 30, 2023	Engineering Manager	



Project Summary

Project Number:	2599SS2107
Title:	Update Camera Equipment
Project Type:	G - Equipment & Software
Division:	99 - General Administration - Sewer
Budget Year:	2022
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	

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Project Summary

Project Number: 3141LI1202
Title: Cart Path Replacement - Champ Course
Project Type: E - Capital Maintenance
Division: 41 - Championship Operations
Budget Year: 2022
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
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
	1,420,000	0	1,420,000

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



Project Summary

Project Number:	3142LE1744
Title:	2014 Toro Tri-Plex Mower 3250D #694
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2022
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	46,000	0	46,000
Year Total	46,000	0	46,000
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
	148,000	0	148,000

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:	2022
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	37,000	0	37,000	
Year Total	37,000	0	37,000	
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	
	170,500	0	170,500	
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:	2022
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. 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.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Fairway Mower	93,500	0	93,500
Year Total	93,500	0	93,500
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
	287,500	0	287,500

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:	2022
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 rough mower is on a 6-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>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.</p>
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Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Toro Groundsmaster Mower	68,400	0	68,400
Year Total	68,400	0	68,400
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
	287,900	0	287,900

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



Project Summary

Project Number:	3142LE1759
Title:	2014 3500D Toro Rotary Mower #693
Project Type:	F - Rolling Stock
Division:	42 - Championship Maintenance
Budget Year:	2022
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	37,000	0	37,000	
Year Total	37,000	0	37,000	
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	
	170,500	0	170,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2021	Sep 30, 2021	Fleet Superintendent	



Project Summary

Project Number:	3143GC2002
Title:	Range Ball Machine Replacement
Project Type:	G - Equipment & Software
Division:	43 - Driving Range
Budget Year:	2022
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. New improvements have been made to accept all types of bank cards, so the customer does not need to come into the Golf Shop if they are only going to hit range balls.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
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
2020			Director of Golf/Community Services
			Project Partner



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:	2022
Finance Option:	
Asset Type:	FF - Furniture and Fixtures
Active:	Yes

Project Description				
The ice maker located in the Champ Golf Cart Barn is nine 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:	3197HV1749
Title:	1997 1-Ton Dump Truck #419
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2022
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	51,000	0	51,000		
Year Total	51,000	0	51,000		
2032					
Replace 1-Ton Dump Truck	50,000	0	50,000		
Year Total	50,000	0	50,000		
	101,000	0	101,000		
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner	
2012	Nov 1, 2019	Jan 31, 2020	Fleet Superintendent		



Project Summary

Project Number:	3197LE1724
Title:	2000 Toro Spreader #462
Project Type:	F - Rolling Stock
Division:	97 - Shared Expenses
Budget Year:	2022
Finance Option:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description				
Replace Toro Spreader (#462): 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 at both Golf Courses to apply sand and fertilizer (top dress) to Tee Boxes.				
Project Internal Staff				
Fleet Maintenance Staff will manage this project				
Project Justification				
This equipment is critical to the Golf operation for top dressing of Tee Boxes. This piece of equipment is pulled behind a tractor and is hydraulically driven off the auxiliary system therefore no hour meter is utilized. The final replacement date is subject to accumulated usage, 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	
2022				
Toro Spreader	17,500	0	17,500	
Year Total	17,500	0	17,500	
2040				
Toro Spreader	20,000	0	20,000	
Year Total	20,000	0	20,000	
	37,500	0	37,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Feb 1, 2023	Jun 1, 2023	Fleet Superintendent	



Project Summary

Project Number:	3241LI2001
Title:	Mountain Golf Cart Path Replacement
Project Type:	D - Capital Improvement - Existing Facilities
Division:	41 - Mountain Operations
Budget Year:	2022
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description				
The Mountain Golf Course has approximately 14,440 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. A design consultant has completed a review of the cart paths and provided recommendations for replacement. In accordance with the recommendation, the cart paths will be reconstructed in a multi-phase, multi-year manner to minimize impacts to users of the facility.				
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	405,000	0	405,000	
Construction Management	40,000	0	40,000	
Construction Reserves	40,000	0	40,000	
Design, Permit Fees, and Internal Services	65,000	0	65,000	
Year Total	550,000	0	550,000	
2023				
Construction	405,000	0	405,000	
Construction Management	40,000	0	40,000	
Construction Reserves	40,000	0	40,000	
Design, Permit Fees, and Internal Services	65,000	0	65,000	
Year Total	550,000	0	550,000	
2024				
Construction	405,000	0	405,000	
Construction Management	40,000	0	40,000	
Construction Reserves	40,000	0	40,000	
Design, Permit Fees, and Internal Services	65,000	0	65,000	
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:	3242LE1728
Title:	2015 Toro 4000D Rough Mower #709
Project Type:	F - Rolling Stock
Division:	42 - Mountain Maintenance
Budget Year:	2022
Finance Options:	
Asset Type:	LE - Light Duty Service Equipment
Active:	Yes

Project Description	<p>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.</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
2022			
Rough Mower	68,400	0	68,400
Year Total	68,400	0	68,400
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
	215,400	0	215,400

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

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Project Summary

Project Number:	3351BD1703
Title:	Aspen Grove Outdoor Seating BBQ and Landscaping
Project Type:	E - Capital Maintenance
Division:	51 - Aspen Grove
Budget Year:	2022
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:	2022
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:	3462HE1502
Title:	Crystal Express Ski Lift Maintenance and Improvements
Project Type:	E - Capital Maintenance
Division:	62 - Lift Operations
Budget Year:	2022
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description				
The District owns operates and maintains 6 aerial ski lifts at Diamond Peak Ski Resort. The ski lifts were constructed for use in 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	
2022				
Replace terminal conveying system components	49,000	0	49,000	
Year Total	49,000	0	49,000	
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 Haul Rope Grip Axles	40,000	0	40,000	
Replace terminal conveying system components	52,000	0	52,000	
Year Total	92,000	0	92,000	
2032				
Replace terminal conveying system components	40,000	0	40,000	
Year Total	40,000	0	40,000	
	506,000	0	506,000	
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:	3462HE1702
Title:	Lakeview Ski Lift Maintenance and Improvements
Project Type:	E - Capital Maintenance
Division:	62 - Lift Operations
Budget Year:	2022
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	
2022				
Refurbish-Rebuild Gear Reducer	75,000	0	75,000	
Year Total	75,000	0	75,000	
2023				
Replace Seat Cushions	17,000	0	17,000	
Year Total	17,000	0	17,000	
2025				
Replace Loading System Belt	41,000	0	41,000	
Year Total	41,000	0	41,000	
2026				
Replace Carrier Haul Rope Grips	192,000	0	192,000	
Year Total	192,000	0	192,000	
	325,000	0	325,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2013	Jul 1, 2021	Jun 30, 2022	Ski Resort General Manager	



Project Summary

Project Number:	3462HE1711
Title:	Lodgepole Ski Lift Maintenance and Improvements
Project Type:	E - Capital Maintenance
Division:	62 - Lift Operations
Budget Year:	2022
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	55,000	0	55,000	
Year Total	55,000	0	55,000	
2023				
Refurbish Overhaul Gear Reducer	75,000	0	75,000	
Year Total	75,000	0	75,000	
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	
	416,000	0	416,000	
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:	3463HE1722
Title:	Loader Tire Chains (1-Set)
Project Type:	F - Rolling Stock
Division:	63 - Slope Maintenance
Budget Year:	2022
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:	2022
Finance Option:	
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description
This project funds 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
Long Range Principle #5 - Assets and Infrastructure - The District will practice perpetual asset renewal, replacement, and improvement to provide safe and superior long term utility services and recreation activities. The equipment replacement project 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	Project Partner
2012			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:	2022
Finance Option:	Lease Eligible
Asset Type:	HE - Heavy Duty Service Equipment
Active:	Yes

Project Description

This project funds the scheduled replacement of one of Diamond Peak's snow grooming vehicles. 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 grooming machines on the mountain. The capital improvement plan identifies the replacement of a grooming vehicle every other fiscal year for the total of five machines included in the 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 costs as a result of deferring the replacement date.

Project Internal Staff

Fleet Maintenance Staff will manage this project

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 the 8000 to 9000 hour operating range. Additionally, downtime increases in direct proportion, diminishing the quality of our grooming product.

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:	3464LE1601
Title:	Ski Resort Snowmobile Fleet Replacement
Project Type:	F - Rolling Stock
Division:	64 - Mountain Operations
Budget Year:	2022
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
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	18,000	0	18,000

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	<u>19,000</u>	<u>0</u>	<u>19,000</u>

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
		442,500	0	442,500

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:	2022
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: 3464LV1730
Title: 2014 Yamaha ATV #695
Project Type: F - Rolling Stock
Division: 64 - Mountain Operations
Budget Year: 2022
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:	3464SI1002
Title:	Snowmaking Infrastructure Replacement
Project Type:	G - Equipment & Software
Division:	64 - Mountain Operations
Budget Year:	2022
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			
Replace Snowmaking Fan Guns	128,000	0	128,000
Replace Snowmaking Pump House Controls	32,000	0	32,000
Year Total	160,000	0	160,000
2023			
Replace Snowmaking Pump House Water Distribution Piping	150,000	0	150,000
Year Total	150,000	0	150,000
	310,000	0	310,000

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:	2022
Finance Option:	
Asset Type:	HE - Heavy 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	75,000	0	75,000		
Year Total	75,000	0	75,000		
	75,000	0	75,000		
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:	3469BD2101
Title:	Replace Ski Lodge Facility Equipment
Project Type:	D - Capital Improvement - Existing Facilities
Division:	69 - Property, Parking & Transportation
Budget Year:	2022
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
This project funds the replacement or additions of equipment located within the ski lodge facility. The current project description allows for the installation as per the direction of the Washoe County Health Department of a hand washing and sanitizing sink located within the barbeque area located on the lodge outdoor deck. District staff has identified the replacement project of the existing 1966 ski main lodge facility electrical distribution and disconnect panel that provide electrical power to the ski lodge facility.				
Project Internal Staff				
Mountain Operations staff and IVGID Engineering staff will oversee the contracted work				
Project Justification				
Long Range Principle #5 - Assets and Infrastructure - The District will practice perpetual asset renewal, replacement, and improvement to provide safe and superior long term utility services and recreation activities. The District will maintain, procure, and construct District assets to ensure safe and accessible operations for the public and the District's workforce.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Health Improvements to Lodge Deck Barbeque Facility	50,000	0	50,000	
Replace 1966 Ski Lodge Main Electrical Power Distribution/Disconnect Panel	65,000	0	65,000	
Year Total	115,000	0	115,000	
	115,000	0	115,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2021	Jul 1, 2021	Jun 30, 2022	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:	2022
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	



Project Summary

Project Number:	4378BD1713
Title:	Upgrade Lights for I.P. Pathway
Project Type:	E - Capital Maintenance
Division:	78 - Parks Services
Budget Year:	2022
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:	4378LI1604
Title:	Pump Track
Project Type:	C - Capital Improvement - New Initiatives
Division:	78 - Parks Services
Budget Year:	2022
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description				
<p>In 2015, the District was approached by community members and the Incline Tahoe Foundation about building a bicycle park on District property similar to what is constructed in Truckee and in South Lake Tahoe. The proposed concept would include junior and adult pump tracks as well as three flow lines (beginner, intermediate, and advanced). A pump track is a short looping trail system of dirt berms and rollers designed for bicycling without the rider pedaling. A flow line is a downhill bicycle trail with a distinct start and finish that contains jumps, ramps, berms, and rollers constructed of dirt and wood of varying size and difficulty. A bike park provides a similar recreation destination and experience to the skate park at Incline Park and is utilized by all ages (from young children to adults).</p> <p>The purpose of this project is to construct a bike park funded via community donations at the Rec Center Property (between Incline Way and the Tennis Courts). The project will diversify the recreational offerings provided at the Recreation Center in a similar manner to what the Disc Golf Course project provided.</p>				
Project Internal Staff				
Engineering Division will manage the project with input from Parks and Recreation Staff.				
Project Justification				
This project is an easily implemented recreation amenity while the Community Services Master Plan Update is undertaken to determine the long term District objectives for Recreation. The Incline Tahoe Foundation has successfully raised over \$300,000 and indicated there is continued opportunity for additional funding support for this project. Design and permitting was completed in early 2017 with the first phase of construction, which completed the youth pump track and the three flow lines, occurring between the Fall of 2017 and the Spring of 2018. The budget allocated for 2018/2019 is net of grants and will be funded by community donations via the Incline Tahoe Foundation to complete the adult pump track. No work will be authorized or awarded for which there is not verified available grant funds.				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Pump Track Phase II	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	Project Partner
2015			Senior Engineer	



Project Summary

Project Number:	4378LI2104
Title:	IVGID Community Dog Park
Project Type:	A - Major Projects - New Initiatives
Division:	78 - Parks Services
Budget Year:	2022
Finance Option:	
Asset Type:	LI - Land Improvements
Active:	Yes

Project Description			
The IVGID Community Dog Park Project is a multi-year project to provide a permanent community dog park (two to ten acres) within IVGID boundaries. Year one of the project will include initial planning and feasibility studies used to inform a site selection study.			
Project Internal Staff			
IVGID Engineering will identify public and private property within IVGID boundaries suitable for a community dog park. Consultants will be hired as necessary to prepare the required background studies. Should USFS land be identified as the preferred site, a consultant will be hired to manage the Special Use Permit process.			
Project Justification			
Developing a dedicated dog park is identified as a top-tier recommendation in the 2019 Community Services Master Plan. Additionally, IVGID Trustees have discussed the construction of a community dog park as a priority project.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Initial Planning and Feasibility Studies	75,000	0	75,000
Year Total	75,000	0	75,000
	75,000	0	75,000
Year Identified	Start Date	Est. Completion Date	Manager
2021			Engineering Manager
			Project Partner



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:	2022
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	47,000	0	47,000
Year Total	47,000	0	47,000
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
	145,000	0	145,000

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



Project Summary

Project Number:	4378RS2103
Title:	Village Green Drainage and Park Improvement Project
Project Type:	D - Capital Improvement - Existing Facilities
Division:	78 - Parks Services
Budget Year:	2022
Finance Option:	
Asset Type:	RS - Recreation System
Active:	Yes

Project Description			
This project will improve drainage and begin to implement the improvements identified in the Community Services Master Plan. Year one of this multi-year project will involve hiring a consultant to; review the existing conditions, study background documents, confirm permitting requirements, and development of a conceptual plan with a cost estimate. The findings will be documented in a preliminary design report.			
Project Internal Staff			
Engineering Department will manage an outside consultant in the preparation of a preliminary design report. The Parks Department will participate in initial meetings to inform the design.			
Project Justification			
Drainage issues at the Village Green damage the sod, impact water quality, and are problematic to the park user. This project will improve the drainage while taking the opportunity to implement additional improvements identified in the Community Services Master Plan. The project is only budgeted for the first year. Once the conceptual design and cost estimate is completed funds will be added to a future year for construction.			
Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2022			
Internal Services and Design	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
2021			Senior Engineer
			Project Partner

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Project Summary

Project Number:	4886LE0001
Title:	Fitness Equipment
Project Type:	G - Equipment & Software
Division:	86 - Rec Center Fitness
Budget Year:	2022
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				
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				
2026 – Replace with similar equipment: twenty-two Spin Bikes LifeFitness, three Upright Bikes, one SciFit recumbent elliptical				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Fitness Equipment	53,000	0	53,000	
Year Total	53,000	0	53,000	
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	
2026				
Fitness Equipment	51,300	0	51,300	
Year Total	51,300	0	51,300	
	280,500	0	280,500	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2014			Recreation Center Manager	



Project Summary

Project Number:	4899FF1202
Title:	Rec Center Locker Room Improvements
Project Type:	D - Capital Improvement - Existing Facilities
Division:	99 - Rec. Admin.
Budget Year:	2022
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 include new tile, plumbing fixtures, partitions, light fixtures, lockers, ceiling tile, drains, as wells as ADA improvements.			
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
2022			
Construction	670,000	0	670,000
Construction Management	65,000	0	65,000
Construction Reserves	65,000	0	65,000
Year Total	800,000	0	800,000
	800,000	0	800,000
Year Identified	Start Date	Est. Completion Date	Manager
2021			Engineering Manager
			Project Partner



Project Summary

Project Number: 4899LV1723
Title: 2017 Chevy Compact SUV #751
Project Type: F - Rolling Stock
Division: 99 - Rec. Admin.
Budget Year: 2022
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:	3970BD2601
Title:	Burnt Cedar Swimming Pool and Site Improvements
Project Type:	D - Capital Improvement - Existing Facilities
Division:	70 - Beach Aquatics
Budget Year:	2022
Finance Option:	
Asset Type:	BD - Buildings & Structures
Active:	Yes

Project Description				
<p>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, pool deck replacement, and other site improvements.</p> <p>An architectural consultant is in the process of completing the final construction documents.</p>				
Project Internal Staff				
<p>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.</p> <p>A community interest committee will be convened by the General Manager.</p>				
Project Justification				
<p>This project will reconstruct the swimming and toddler pool, mechanical equipment, and pool deck. The cost estimate is based on the February 2021 cost estimate from the Construction Manager at Risk. It is anticipated at this time that construction will occur in the summer of 2021. The impacts on 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.</p>				
Forecast				
Budget Year	Total Expense	Total Revenue	Difference	
2022				
Construction	2,900,000	0	2,900,000	
Construction Management	200,000	0	200,000	
Construction Reserves/Internal Services	250,000	0	250,000	
Year Total	3,350,000	0	3,350,000	
	3,350,000	0	3,350,000	
Year Identified	Start Date	Est. Completion Date	Manager	Project Partner
2012	Jul 1, 2019	Jun 30, 2022	Engineering Manager	



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:	2022
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. IVGID staff and outside consultants will determine the type of replacement materials best suited to the locations. The approach will utilize keystone block retaining walls 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	
2022				
Construction	50,000	0	50,000	
Internal Services	5,000	0	5,000	
Year Total	55,000	0	55,000	
2023				
Construction	50,000	0	50,000	
Internal Services	5,000	0	5,000	
Year Total	55,000	0	55,000	
2024				
Construction	50,000	0	50,000	
Internal Services	5,000	0	5,000	
Year Total	55,000	0	55,000	
2025				
Construction	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	



Project Summary

Project Number:	3973FF1204
Title:	Incline Beach Kitchen
Project Type:	G - Equipment & Software
Division:	38 - Beach Food and Beverage
Budget Year:	2022
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 Manager		



Project Summary

Project Number:	3974FF1101
Title:	Burnt Cedar Beach Kitchen
Project Type:	G - Equipment & Software
Division:	39 - Burnt Cedar Fd & Bev
Budget Year:	2022
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	Project Partner	
2012			Food and Beverage Manager		