



**NEVADA  
IRRIGATION  
DISTRICT**

**OPERATING &  
CAPITAL  
BUDGET  
WORKSHOP**

**FOR THE FISCAL  
YEAR 2022**

**Board of Directors  
December 8, 2021**



# Budget Principles

- Conservative revenue estimates
  - Does not include rate increase
  - Revenues generally flat
  - Distributes investment revenue by fund balance
  - Capital programs intentionally kept light
  - Staffing reduced
  - Employee contract increases included



# Major Budget Changes

- Addition of Capital Funds
- Addition of Internal Services Fund
- Distribution of Investment Revenue By Fund Balance
- Presentation of Fund Balance
- Presentation of Reserves Separately
- Operating and Capital

# Overview of Funds

Fund	Name
10	Water Operations
12	Capacity Fees
15	Water Capital
21	Cement Hill
22	Rodeo Flat
30	Recreation Operations
35	Recreation Capital
50	Hydroelectric Operations
55	Hydroelectric Capital
70	Cost Allocation

# Revenue Fund 10 Water

Revenues						
Fund	Fund Name	Revenue Source	2020	2021	2021	2022
			<u>Actual</u>	<u>Budget</u>	<u>Forecast</u>	<u>Budget</u>
10	Water		<b><u>45,079,575</u></b>	<b><u>42,786,388</u></b>	<b><u>47,515,000</u></b>	<b><u>47,620,100</u></b>
		Treated Water Sales	18,721,988	18,380,826	20,000,000	20,200,000
		Raw Water Sales	7,221,430	8,086,841	9,000,000	9,090,000
		Reimb/Fees/Other	2,370,976	770,564	2,500,000	2,550,000
		Grants	654,276	700,000	900,000	0
		New Connections/Install	1,354,008	159,236	370,000	377,400
		Rents and Leases	93,626	99,972	150,000	153,000
		Property Taxes	13,452,475	13,738,778	13,900,000	14,178,000
		Investment Revenue	1,132,741	700,000	525,000	900,000
		Standby	78,055	150,171	170,000	171,700

# Revenue Fund 30 Recreation

Fund	Fund Name	Revenue Source	2020	2021	2021	2022
			<u>Actual</u>	<u>Budget</u>	<u>Forecast</u>	<u>Budget</u>
30	Recreation		<u>1,503,251</u>	<u>2,330,838</u>	<u>2,200,000</u>	<u>2,207,208</u>
		Scotts Flat	655,105	1,074,628	930,000	953,250
		Long Ravine	372,948	540,092	523,000	536,075
		Orchard Springs	219,093	347,461	355,000	372,750
		Peninsula	35,776	194,496	160,000	164,000
		Jackson Meadows	154,162	97,756	164,500	98,700
		Greenhorn	33,054	39,878	33,700	34,543
		Combie	33,113	36,527	33,800	34,645
		Interest Income				13,245

# Revenue Fund 50 Hydroelectric

Fund	Fund Name	Revenue Source	2020	2021	2021	2022
			<u>Actual</u>	<u>Budget</u>	<u>Forecast</u>	<u>Budget</u>
50	Hydroelectric Operations		<u>24,149,988</u>	<u>23,586,962</u>	<u>23,518,000</u>	<u>24,833,811</u>
		Chicago Park	10,465,264	9,944,153	9,950,000	10,103,007
		Rollins	5,807,549	5,524,529	5,845,000	5,621,163
		Dutch Flat	5,800,114	5,524,529	5,750,000	5,583,034
		Bowman	1,118,961	1,104,906	1,150,000	1,111,063
		Combie South	228,854	290,544	200,000	290,544
		Scotts Flat	467,468	250,000	400,000	250,000
		Combie North	134,073	150,000	100,000	150,000
		Bowman TL	127,705	0	123,000	100,000
		Deer Creek	-	798,301	-	250,000
		Interest Income				1,350,000
		SSWD Support Services			32,000	25,000

# Fund Summary

Fund	Name	Projected Beginning Fund Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	Projected FYE Balance
		1-Jan-22							
10	Water Operations	\$50,419,022	\$47,620,100	\$1,139,835	\$48,759,935	\$29,648,190	\$36,661,224	\$66,309,414	\$32,869,543
12	Capacity Fees	\$9,450,000	\$1,500,000	\$0	\$1,500,000	\$103,000	\$0	\$10,847,000	\$10,847,000
15	Water Capital	\$0	\$0	\$28,858,000	\$6,858,000	\$6,858,000	\$0	\$6,858,000	\$22,000,000
21	Cement Hill	\$199,000	\$355,000	\$0	\$355,000	\$392,622	\$0	\$392,622	\$161,378
22	Rodeo Flat	\$121,300	\$47,500	\$0	\$47,500	\$47,000	\$0	\$47,000	\$121,800
30	Recreation Operations	\$999,990	\$2,207,208	\$167,577	\$2,374,785	\$2,342,561	\$989,572	\$3,332,133	\$42,642
35	Recreation Capital	\$0	\$0	\$650,000	\$650,000	\$150,000	\$0	\$150,000	\$500,000
50	Hydroelectric Operations	\$64,617,198	\$24,833,811	\$0	\$24,833,811	\$4,625,000	\$0	\$72,468,739	\$16,982,270
55	Hydroelectric Capital	\$0	\$0	\$54,625,000	\$54,625,000	\$4,625,000	\$0	\$0	\$50,000,000
70	Cost Allocation	\$0	\$0	\$12,192,537	\$12,192,537	\$12,192,537	\$0	\$12,192,537	\$0





# Fund 10 Water Operations

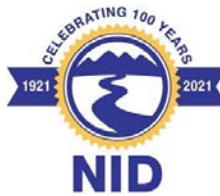
- Reserves
- Includes
  - Cashiering
  - Customer Service
  - Engineering
  - Water Operations
  - Maintenance
  - Vegetation
- OPEB Payment Included
- UAL not included

# Water Operations Reserve Requirements

## Policy 3040

- Operations Reserve – 6 months operating expenses
- Water Stabilization Reserve – No set amount
- Community Investment – Maximum \$1.5M
- Insurance & Catastrophic Reserve – Min \$5m – Max 10M. Split with Hydro
- Watershed Stewardship Reserve - \$500K
- Accrued Leave Reserve - \$250K

Name	Beginning Balance	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	FYE Unassigned Fund Balance	FYE Fund Balance w/ Reserves
	1-Jan-22	Minus Reserve								
<b>Water Operations</b>	<b>\$50,419,022</b>	<b>\$26,943,315</b>	<b>\$47,620,100</b>	<b>\$1,139,835</b>	<b>\$48,759,935</b>	<b>\$29,648,190</b>	<b>\$36,661,224</b>	<b>\$66,309,414</b>	<b>\$9,393,836</b>	<b>\$32,869,543</b>
Operating Reserve	\$18,725,707									
Water Rate Stabilization Reserve	\$0									
Community Investment Stabilization Reserve	\$1,500,000									
Insurance and Catastrophic Reserve	\$2,500,000									
Watershed Stewardship Reserve	\$500,000									
Accrued Leave Reserve	\$250,000									
Fund 50 Hydro Engineering				\$749,890						
Fund 30 Recreation Engineering				\$374,945						
Fund 70 Cost Allocation							\$7,803,224			
Fund 15 Capital Reserve							\$22,000,000			
Fund 15 Capital Funding							\$6,858,000			



# Fund 10 Transfers

<b>Transfer In</b>	
<b>Fund 50 Hydro Engineering</b>	<b>\$759,890</b>
<b>Fund 30 Recreation Engineering</b>	<b>\$379,945</b>
<b>Total</b>	<b>\$1,139,835</b>
<b>Transfer Out</b>	
<b>Fund 70 Cost Allocation</b>	<b>\$7,803,224</b>
<b>Fund 15 Capital Reserve</b>	<b>\$22,000,000</b>
<b>Fund 15 Capital Funding</b>	<b>\$6,858,000</b>
<b>Total</b>	<b>\$36,661,224</b>



# Expense Summary

Account Category	10131	10133	10151	10171	10191	10192
	Cashiering	Customer Service	Engineering	Water Operations	Maintenance	Vegetation
<b>Salary Total</b>	\$113,197	\$565,936	\$1,865,872	\$4,259,562	\$4,161,361	\$448,323
<b>Benefits Total</b>	\$86,102	\$377,199	\$1,174,977	\$2,892,475	\$2,831,547	\$312,619
<b>Materials and Supplies Total</b>	\$6,500	\$111,000	\$77,700	\$1,042,550	\$1,670,000	\$305,500
<b>Water Purchase Total</b>	\$0	\$0	\$0	\$890,000	\$0	\$0
<b>Consultant Fees Total</b>	\$0	\$7,000	\$653,000	\$155,500	\$52,000	\$6,000
<b>Fees Total</b>	\$0	\$0	\$0	\$430,400	\$20,000	\$3,000
<b>Contractor Fee Total</b>	\$0	\$140,000	\$2,900	\$25,250	\$60,000	\$5,000
<b>Debt Service Total</b>	\$0	\$0	\$0	\$3,966,855	\$0	\$0
<b>Other O&amp;M Total</b>	\$0	\$230,000	\$25,000	\$1,588,400	\$221,500	\$3,800
<b>Division Totals</b>	<b>\$205,799</b>	<b>\$1,431,135</b>	<b>\$3,799,449</b>	<b>\$15,250,992</b>	<b>\$9,016,408</b>	<b>\$1,084,242</b>

# Engineering Allocation

		Fund 10	Fund 50	Fund 30	Total
10151	Engineering Split	2,659,614.30	759,889.80	379,944.90	3,799,449.00



# Fund 15 Water CIP

- New Fund
- Beginning Fund Balance \$0
- Programmatic Programs Removed
- Equipment Included in CIP
- Hemphill fully funded with no grant funds
- Reserves Funded



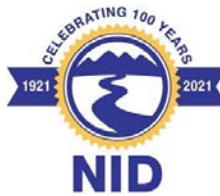
# Fund 15 Reserve Requirements

- Policy 3040.4.4
  - \$22M



# Fund 15 Summary

Name	Beginning Balance	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	FYE Unassigned Fund Balance	FYE Fund Balance w/ Reserves	Comments
	1-Jan-22	Minus Reserve									
<b>Water Capital</b>	\$0	\$0	\$0	\$28,858,000	\$6,858,000	\$6,858,000	\$0	\$6,858,000	\$0	\$22,000,000	
<b>CIP</b>	\$0			\$22,000,000							\$22,000,000
<b>Annual CIP</b>	\$0			\$6,858,000							Transfer In to Fund Capital



# Fund 15 Transfer Summary

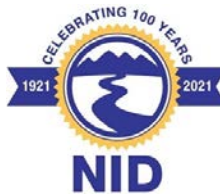
<b>Fund 15 Transfer Summary</b>	
<b>Transfer In</b>	
Fund 10 Capital Reserve	\$22,000,000
Fund 10 Capital Funding	\$6,858,000
<b>Total</b>	<b>\$28,858,000</b>
Transfer Out	\$0
<b>Total</b>	<b>\$0</b>



Fund 15 Water Capital Improvement Projects		
Project #	Project	2022 Budget Amount
2322	David Way Pump Station	\$ 75,000.00
2568	Lake Wildwood Treatment Plant	\$ 350,000.00
7032	Hemphill Diversion Structure	\$ 4,025,000.00
2603	Banner Tank Isolation Valves	\$ 60,000.00
2504	Main Office Ramp Repairs	\$ 80,000.00
6962	Christian Life way Pipeline	\$ 500,000.00
2602	DS Canal Shotgun Culverts	\$ 80,000.00
2182	North Day Road Pipeline	\$ 80,000.00
2373	Pet Hill Extension	\$ 120,000.00
2550	Sugarloaf Reservoir	\$ 200,000.00
2604	Alta Hill Reservoir	\$ 150,000.00
*	5 Yard Dump Truck (2)	\$ 320,000.00
*	Water Storage Tank Restoration	\$ 400,000.00
*	Loader Replacement	\$ 250,000.00
*	Cascade Pipe Intake Screen	\$ 120,000.00
*	Chemical Storage Tank	\$ 48,000.00
	<b>Total 2022 Project Budget</b>	<b>\$ 6,858,000.00</b>
* Project Number not yet created.		

# Fund 21 Cement Hill

## Fund 22 Rodeo



Name	Beginning Balance	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	FYE Unassigned Fund Balance	FYE Fund Balance w/ Reserves
	1-Jan-22	Minus Reserve								
Cement Hills	\$199,000	\$199,000	\$355,000	\$0	\$355,000	\$392,622	\$0	\$392,622	\$161,378	\$161,378
Rodeo Flats	\$121,300	\$121,300	\$47,500	\$0	\$47,500	\$47,000	\$0	\$47,000	\$121,800	\$121,800



# Fund 12 Capacity Fees

Fund 12 Capacity Fees										
Fund	Name	Reserved Amount	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	Projected FYE Balance
			1-Jan-22							
12	Capacity Fees*	NA	\$9,450,000	\$1,500,000	\$0	\$1,500,000	\$103,000	\$0	\$103,000	\$10,847,000
*subaccount to Fund 10										



# Fund 12 Expenditures

Fund 12 Capacity Fees		
Acct. No.	Account Category	Capacity Fees
52603	Consultant Fees	\$90,000
52604	Legal Fees	\$13,000
	Division Totals	\$103,000

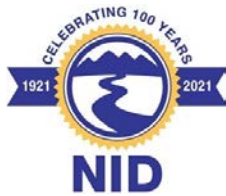


# Fund 30 and 35 Recreation

- Running Deficit
- Does not include funds for USFS
- Reserves not fully funded
- CIP and Operational Subsidy from Hydro

# Recreation Reserve Requirements

## Policy 3040



- Operations Reserve – 6 months operating expenses
  - Only included 3 months
- Accrued Absences – 50% of annual liability
- Capital - \$500,000



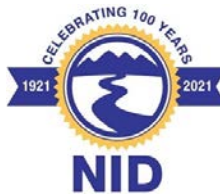
# Fund 30 and 35 Summary

Name	Beginning Balance	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	Projected FYE Unassigned Fund Balance	Projected FYE Fund Balance with Reserves
	1-Jan-22	Minus Reserves								
<b>Recreation Operations</b>	\$999,990	\$389,350	\$2,207,208	\$167,577	\$2,374,785	\$2,342,561	\$989,572	\$3,332,133	-\$567,999	\$42,642
<b>Recreation Operational Reserve</b>	\$585,640									
<b>Recreation Accrued Absences</b>	\$25,000									
<b>Recreation Capital</b>	\$0	\$0	\$0	\$650,000	\$650,000	\$150,000	\$0	\$150,000	\$650,000	\$500,000
<b>Recreation Capital Reserve</b>				\$500,000						
<b>Transfer In from Fund 50 CIP</b>				\$150,000						

# Fund 30 and 35 Transfers

Transfer Summary Fund 30		
Transfer In		
	Hydro Subsidy	\$167,577
Total		\$167,577
Transfer Out		
	To Fund 70 Cost Allocation	\$609,627
	To Fund 10 Engineering	\$379,945
Total		\$989,572
Transfer Summary Fund 35		
Transfer In		
	From Fund 50 Hydro CIP Subsidy	\$150,000
	From Fund 50 CIP Reserve	\$500,000
Total		\$650,000
Transfer Out		
Total		\$0





# Fund 30 Expenses

Fund 30 General Recreation 30250		
Acct. No.	Account Category	General Recreation
	Salary Total	\$797,899
	Benefits Total	\$417,862
	Materials and Supplies	\$314,500
	Other O&M	\$812,300
	Division Totals	\$2,342,561



# Fund 35 CIP

<b>Fund 35 Recreation Capital Improvement Projects</b>		
<b>Project #</b>	<b>Project</b>	<b>2022 Budget Amount</b>
	Long Ravine Boat Ramp Upgrade	\$ 40,000.00
	Recreation Road and Campsite Pad Restoration	\$ 50,000.00
	Recreation Store and Marina Roof Replacement	\$ 60,000.00
	<b>Total Recreation 2022 CIP Budget</b>	<b>\$ 150,000.00</b>

# Fund 50 Hydroelectric Operations

- Added Fund 55 CIP
- OPEB Payment
- Recreation Subsidy
- Fully Funded Reserves

# Fund 50 Reserves

## Policy 3040

- Operations Reserve – 6 months operating expenses
- Insurance & Catastrophic Reserve – Min \$5m – Max 10M. Split with Water
- Accrued Leave Reserve – 50% of Annual Liability
- CIP Reserve - \$15M
- FERC Capital Reserve - \$35M



Name	Beginning Balance	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	FYE Unassigned Fund Balance	FYE Balance w/Reserves
	1-Jan-22	Minus Reserve								
Hydroelectric Operations	\$64,617,198	\$53,395,328	\$24,833,811	\$0	\$24,833,811	\$12,486,586	\$59,982,153	\$72,468,739	\$5,760,400	\$16,982,270
Operating Reserve	\$8,671,870									
Insurance and Catastrophic Reserve	\$2,500,000									
Accrued Leave Reserve	\$50,000									
Fund 70 Cost Allocation							\$3,779,686			
Fund 10 Engineering							\$759,890			
Fund 30 Recreation Subsidy							\$167,577			
Fund 35 Rec CIP							\$150,000			
Fund 35 Rec CIP Reserve							\$500,000			
Fund 55 Hydro CIP							\$4,625,000			
Fund 55 Hydro Reserves							\$50,000,000			

# Fund 50 Expenses

Hydroelectric Department Fund 50 Expenditures				
Acct.	Account	50112	50161	50167
No.	Category	Hydro Administration	Hydro Operations	Hydro Maintenance
	Salary Total	\$811,841	\$1,204,389	\$1,534,040
	Benefits Total	\$1,566,314	\$638,365	\$814,148
	Materials and Supplies Total	\$167,000	\$270,200	\$536,870
	Consultant Fees Total	\$1,445,000	\$31,824	\$195,100
	Fees Total	\$1,131,524	\$0	\$0
	Contractor Fees Total	\$52,336	\$148,947	\$489,188
	Other O&M	\$1,090,500	\$56,000	\$303,000
	Division Totals	\$6,264,515	\$2,349,725	\$3,872,346
	Department Total			\$12,486,586

# Fund 50 Transfer Summary

Fund 50 Transfer Summary	
Transfer In	0
Total	-
Transfer Out	
Fund 70 Cost Allocation	\$3,779,686
Fund 10 Engineering	\$759,890
Fund 30 Recreation Subsidy	\$167,577
Fund 35 Rec CIP	\$150,000
Fund 35 Rec CIP Reserve	\$500,000
Fund 55 Hydro CIP	\$4,625,000
Fund 55 Hydro Reserves	\$50,000,000
Total	\$59,982,153
Fund 55 Transfer Summary	
Transfer In	
Fund 50 Hydro Operations	\$4,625,000
From Fund 50 CIP Reserves	\$50,000,000
Total	\$54,625,000
Transfer Out	0
Total	0



# Fund 55 Summary

Name	Beginning Balance	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	FYE Unassigned Fund Balance	FYE Balance w/Reserves
	1-Jan-22	Minus Reserve								
Hydroelectric Capital	\$0	\$0	\$0	\$54,625,000	\$54,625,000	\$4,625,000	\$0	\$4,625,000	\$0	\$50,000,000
Annual CIP				\$4,625,000		\$4,625,000				
Capital Reserve				\$15,000,000						\$15,000,000
FERC Capital Reserve				\$35,000,000						\$35,000,000





Fund 55 Hydroelectric Capital Improvement Projects		
Project #	Project	2022 Budget Amount
2094	Scotts Flat Spillway Repair & Upgrades	\$1,000,000
2362	CPPH Transformer Replacement	\$150,000
2353	CPPH Turbine Overhaul	\$150,000
2595	Scotts Flat Dam Wave Erosion Protection	\$75,000
2339	Rucker Creek Spill Gate Replacement	\$250,000
2383	CPPH Rewind	\$150,000
2392	Rollins Powerhouse Governor Replacement	\$150,000
2599	Christmas Tree Spillgate Replacement	\$50,000
2359	Bowman North Dam Upstream Lining Repair	\$100,000
2394	Rollins Powerhouse Relay Protection Upgrade	\$250,000
2596	Sawmill Dam Outlet Pipe Rehabilitation	\$100,000
2404	Fall Creek Flume Improvements	\$150,000
2581	Combie North Capacitor Bank Upgrade	\$75,000
2598	CPPH RTU Replacement	\$200,000
2455	Dutch Flat #2 PH Cooling Water Upgrade	\$75,000
2597	Jackson Lake Dam Toe Slope Protection	\$20,000
2576	Fall Creek Diversion Flume Improvements	\$100,000
2600	Bowman Spaulding Canal Lining Repair Boxcar	\$400,000
2405	Hydroelectric Field Office Radio Tower	\$350,000
2240	Dutch Flat #2 PH Fire Suppression Upgrade	\$250,000
6943	Combie South Access Road	\$200,000
2432	New Hydroelectric Office Design	\$250,000
*	Acoustic Doppler Current Profiler	\$35,000
*	Snow Fox Snow Measurement Equipment	\$25,000
*	Truck Half Ton	\$45,000
*	Utility Terrain Vehicle	\$25,000
	Total Hydroelectric 2022 CIP Budget	\$4,625,000

\*Project added after workshop.

# Fund 70

- New Fund
- Should “Zero Out” Each Year
- New Positions
  - IT Network Administrator
  - Accountant II
- No Reserves Needed

# Fund 70 Internal Services

- Directors
- Management
- Watershed
- HR
- IT
- Safety
- Communications
- Accounting
- Purchasing
- Shop Operations

# Cost Allocation Bases

- Fund 10 - 64%
- Fund 30 – 5%
- Fund 50 – 31%
- Blended Formula
  - Revenue
  - Full Time Equivalents
- Recommend Completion of Full Cost Allocation Study



# Fund 70 Summary

Name	Reserved Amount	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	Projected FYE Balance
		1-Jan-22							
Internal Services	\$0	\$0	\$0	\$12,192,537	\$12,192,537	\$12,192,537	\$0	\$12,192,537	\$0

Fund 70 Transfer Summary	
Transfer In	
Fund 10	7,803,223.68
Fund 30	609,626.85
Fund 50	3,779,686.47
<b>Total</b>	<b>12,192,537.00</b>

Account Category	10113	10115	10116	10117	10118	10119	10120	10135	10193	10195
	Directors	Management	Watershed	HR	IT	Safety	Comm	Accounting	Purchasing	Shop Operations
Salary Total	\$74,280	\$779,822	\$187,197	\$276,173	\$517,000	\$166,563	\$92,180	\$779,256	\$286,402	\$254,711
Benefits Total	\$86,244	\$1,729,680	\$116,972	\$182,376	\$212,505	\$112,553	\$75,179	\$439,313	\$194,455	\$184,784
Materials and Supplies Total	\$6,500	\$38,100	\$2,500	\$0	\$331,810	\$11,000	\$5,000	\$3,000	\$138,550	\$387,500
Consultant Fees Total	\$20,000	\$457,500	\$248,000	\$26,500	\$125,000	\$50,000	\$50,000	\$245,000	\$0	\$0
Fees Total	\$48,000	\$66,000	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Temp Labor and Contractors	\$0	\$0	\$1,832,000	\$0	\$35,000	\$0	\$0	\$175,000	\$110,000	\$1,000
Other Operating Expenses	\$22,350	\$657,900	\$1,000	\$17,570	\$236,012	\$15,300	\$17,000	\$42,350	\$9,100	\$10,350
Division Totals	\$257,374	\$3,729,002	\$2,390,669	\$502,619	\$1,457,327	\$355,416	\$239,359	\$1,683,919	\$738,507	\$838,345
Department Total										<b>12,192,537</b>

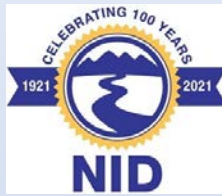
# Staffing

Department	2021 FTE	2022 FTE
Administration	12	15.75
Engineering	19	17
Finance	15	12
Human Resources	3	3
Hydroelectric	35	30.25
Maintenance	73	67
Recreation	9	7
Water Operations	54	53
<b>Total</b>	<b>220</b>	<b>204</b>

# Recommendations

- Focus on OPEB and UAL
- Full Cost Allocation Study
- Five Year CIP
- Recreation Operations
- Evaluate SYC Budgetary Needs
  - Will need amendment





**Thank You and Questions**

Revenues						
Fund	Fund Name	Revenue Source	2020	2021	2021	2022
			Actual	Budget	Forecast	Budget
<b>10</b>	<b>Water</b>		<b>45,079,575</b>	<b>42,786,388</b>	<b>47,515,000</b>	<b>47,620,100</b>
		Treated Water Sales	18,721,988	18,380,826	20,000,000	20,200,000
		Raw Water Sales	7,221,430	8,086,841	9,000,000	9,090,000
		Reimb/Fees/Other	2,370,976	770,564	2,500,000	2,550,000
		Grants	654,276	700,000	900,000	0
		New Connections/Install	1,354,008	159,236	370,000	377,400
		Rents and Leases	93,626	99,972	150,000	153,000
		Property Taxes	13,452,475	13,738,778	13,900,000	14,178,000
		Investment Revenue	1,132,741	700,000	525,000	900,000
		Standby	78,055	150,171	170,000	171,700
			<b>2020</b>	<b>2021</b>	<b>2021</b>	<b>2022</b>
			<b>Actual</b>	<b>Budget</b>	<b>Forecast</b>	<b>Budget</b>
<b>30</b>	<b>Recreation</b>		<b>1,503,251</b>	<b>2,330,838</b>	<b>2,200,000</b>	<b>2,207,208</b>
		Scotts Flat	655,105	1,074,628	930,000	953,250
		Long Ravine	372,948	540,092	523,000	536,075
		Orchard Springs	219,093	347,461	355,000	372,750
		Peninsula	35,776	194,496	160,000	164,000
		Jackson Meadows	154,162	97,756	164,500	98,700
		Greenhorn	33,054	39,878	33,700	34,543
		Combie	33,113	36,527	33,800	34,645
		Interest Income				13,245
			<b>2020</b>	<b>2021</b>	<b>2021</b>	<b>2022</b>
			<b>Actual</b>	<b>Budget</b>	<b>Forecast</b>	<b>Budget</b>
<b>50</b>	<b>Hydroelectric Operations</b>		<b>24,149,988</b>	<b>23,586,962</b>	<b>23,518,000</b>	<b>24,833,811</b>
		Chicago Park	10,465,264	9,944,153	9,950,000	10,103,007
		Rollins	5,807,549	5,524,529	5,845,000	5,621,163
		Dutch Flat	5,800,114	5,524,529	5,750,000	5,583,034
		Bowman	1,118,961	1,104,906	1,150,000	1,111,063
		Combie South	228,854	290,544	200,000	290,544
		Scotts Flat	467,468	250,000	400,000	250,000
		Combie North	134,073	150,000	100,000	150,000
		Bowman TL	127,705	0	123,000	100,000
		Deer Creek	-	798,301	-	250,000
		Interest Income				1,350,000
		SSWD Support Services			32,000	25,000

**Nevada Irrigation District  
2022 Annual Budget Fund Summary**

Fund	Name	Projected Beginning Fund Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	Projected FYE Balance
		1-Jan-22							
10	Water Operations	\$50,419,022	\$47,620,100	\$1,139,835	\$48,759,935	\$29,648,190	\$36,661,224	\$66,309,414	\$32,869,543
12	Capacity Fees	\$9,450,000	\$1,500,000	\$0	\$1,500,000	\$103,000	\$0	\$10,847,000	\$10,847,000
15	Water Capital	\$0	\$0	\$28,858,000	\$6,858,000	\$6,858,000	\$0	\$6,858,000	\$22,000,000
21	Cement Hill	\$199,000	\$355,000	\$0	\$355,000	\$392,622	\$0	\$392,622	\$161,378
22	Rodeo Flat	\$121,300	\$47,500	\$0	\$47,500	\$47,000	\$0	\$47,000	\$121,800
30	Recreation Operations	\$999,990	\$2,207,208	\$167,577	\$2,374,785	\$2,342,561	\$989,572	\$3,332,133	\$42,642
35	Recreation Capital	\$0	\$0	\$650,000	\$650,000	\$150,000	\$0	\$150,000	\$500,000
50	Hydroelectric Operations	\$64,617,198	\$24,833,811	\$0	\$24,833,811	\$4,625,000	\$0	\$72,468,739	\$16,982,270
55	Hydroelectric Capital	\$0	\$0	\$54,625,000	\$54,625,000	\$4,625,000	\$0	\$0	\$50,000,000
70	Cost Allocation	\$0	\$0	\$12,192,537	\$12,192,537	\$12,192,537	\$0	\$12,192,537	\$0

\$76,563,619

\$60,983,910

Fund 10 Water (Subaccounts 15, 21, & 22)												
Fund	Name	Beginning Balance	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	FYE Unassigned Fund Balance	FYE Fund Balance w/ Reserves	Comments
		1-Jan-22	Minus Reserve									
<b>10</b>	<b>Water Operations</b>	<b>\$50,419,022</b>	<b>\$26,943,315</b>	<b>\$47,620,100</b>	<b>\$1,139,835</b>	<b>\$48,759,935</b>	<b>\$29,648,190</b>	<b>\$36,661,224</b>	<b>\$66,309,414</b>	<b>\$9,393,836</b>	<b>\$32,869,543</b>	
	Operating Reserve	\$18,725,707										Equal to 6 months operating expenditures
	Water Rate Stabilization Reserve	\$0										No Set Amount
	Community Investment Stabilization Reserve	\$1,500,000										Maximum Amount of \$1,500,000
	Insurance and Catastrophic Reserve	\$2,500,000										50 percent (Minimum \$5,000,000 and Maximum of \$10,000,000)
	Watershed Stewardship Reserve	\$500,000										Set Amount Per Policy
	Accrued Leave Reserve	\$250,000										Equal to 50% of Annual Liability
	Fund 50 Hydro Engineering				\$749,890							Transfer In
	Fund 30 Recreation Engineering				\$374,945							Transfer In
	Fund 70 Cost Allocation							\$7,803,224				Transfer Out
	Fund 15 Capital Reserve							\$22,000,000				Transfer Out
	Fund 15 Capital Funding							\$6,858,000				Transfer Out
<b>15</b>	<b>Water Capital</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$28,858,000</b>	<b>\$6,858,000</b>	<b>\$6,858,000</b>	<b>\$0</b>	<b>\$6,858,000</b>	<b>\$0</b>	<b>\$22,000,000</b>	
	Capital Improvement/Replacement	\$0			\$22,000,000							\$22,000,000
	Annual CIP	\$0			\$6,858,000							Transfer In to Fund Capital
<b>21</b>	<b>Cement Hills</b>	<b>\$199,000</b>	<b>\$199,000</b>	<b>\$355,000</b>	<b>\$0</b>	<b>\$355,000</b>	<b>\$392,622</b>	<b>\$0</b>	<b>\$392,622</b>	<b>\$161,378</b>	<b>\$161,378</b>	<b>No reserve required.</b>
<b>22</b>	<b>Rodeo Flats</b>	<b>\$121,300</b>	<b>\$121,300</b>	<b>\$47,500</b>	<b>\$0</b>	<b>\$47,500</b>	<b>\$47,000</b>	<b>\$0</b>	<b>\$47,000</b>	<b>\$121,800</b>	<b>\$121,800</b>	<b>No reserve required.</b>

Fund 10 Transfer Summary	
<b>Transfer In</b>	
Fund 50 Hydro Engineering	\$759,890
Fund 30 Recreation Engineering	\$379,945
<b>Total</b>	<b>\$1,139,835</b>
<b>Transfer Out</b>	
Fund 70 Cost Allocation	\$7,803,224
Fund 15 Capital Reserve	\$22,000,000
Fund 15 Capital Funding	\$6,858,000
<b>Total</b>	<b>\$36,661,224</b>
<b>Fund 15 Transfer Summary</b>	
<b>Transfer In</b>	
Fund 10 Capital Reserve	\$22,000,000
Fund 10 Capital Funding	\$6,858,000
<b>Total</b>	<b>\$28,858,000</b>
<b>Transfer Out</b>	
<b>Total</b>	<b>\$0</b>

Fund 10 Water Operations Expenses							
Acct. No.	Account Category	10131	10133	10151	10171	10191	10192
		Cashiering	Customer Service	Engineering	Water Operations	Maintenance	Vegetation
51101	Salary	\$112,697	\$556,436	\$1,847,872	\$3,852,642	\$3,909,161	\$410,083
51105	Overtime	\$500	\$6,000	\$18,000	\$65,000	\$50,000	\$800
51106	Double Time	\$0	\$1,000	\$0	\$70,000	\$15,000	\$0
51144	Standby	\$0	\$2,500	\$0	\$170,000	\$0	\$0
51201	Temporary Salary	\$0	\$0	\$0	\$101,920	\$187,200	\$37,440
	<b>Salary Total</b>	<b>\$113,197</b>	<b>\$565,936</b>	<b>\$1,865,872</b>	<b>\$4,259,562</b>	<b>\$4,161,361</b>	<b>\$448,323</b>
51306	Short-term Disability (ER shared cost - 50%)	\$224	\$896	\$1,904	\$4,816	\$6,384	\$672
51310	Medicare	\$1,634	\$8,068	\$26,794	\$55,863	\$56,683	\$5,946
51311	Pension Premiums	\$40,206	\$198,515	\$683,158	\$1,374,470	\$1,394,634	\$146,301
51312	Health Insurance	\$39,097	\$147,947	\$323,883	\$815,261	\$1,072,057	\$117,291
51313	Life Insurance	\$922	\$4,554	\$15,123	\$31,530	\$31,993	\$3,356
51314	Dental	\$2,229	\$10,116	\$18,948	\$53,000	\$63,530	\$6,687
51315	Vision	\$389	\$1,555	\$3,305	\$8,359	\$11,081	\$1,166
51316	Long Term Disability	\$507	\$2,504	\$8,315	\$17,337	\$17,591	\$1,845
51317	Workers Compensation	\$394	\$2,044	\$42,047	\$127,839	\$149,594	\$22,555
51318	Unemployment insurance	\$0	\$0	\$0	\$0	\$18,000	\$5,000
51319	FICA	\$500	\$1,000	\$1,500	\$4,000	\$10,000	\$1,800
51324	OPEB Net ARC	\$0	\$0	\$50,000	\$400,000	\$0	\$0
	<b>Benefits Total</b>	<b>\$86,102</b>	<b>\$377,199</b>	<b>\$1,174,977</b>	<b>\$2,892,475</b>	<b>\$2,831,547</b>	<b>\$312,619</b>
52501	Chemicals	\$0	\$8,000	\$8,000	\$430,000	\$200,000	\$290,000
52503	Equipment Maintenance	\$6,500	\$5,000	\$37,500	\$307,000	\$100,000	\$1,000
52504	Materials	\$0	\$96,500	\$30,000	\$265,750	\$1,326,000	\$11,000
52505	Safety	\$0	\$500	\$1,000	\$26,600	\$16,000	\$1,500
52506	Small Tools: Less than \$5K	\$0	\$1,000	\$1,200	\$13,200	\$28,000	\$2,000
	<b>Materials and Supplies Total</b>	<b>\$6,500</b>	<b>\$111,000</b>	<b>\$77,700</b>	<b>\$1,042,550</b>	<b>\$1,670,000</b>	<b>\$305,500</b>
52507	Water purchase	\$0	\$0	\$0	\$890,000	\$0	\$0
	<b>Water Purchase Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$890,000</b>	<b>\$0</b>	<b>\$0</b>
52603	Consultant Fees	\$0	\$7,000	\$650,000	\$145,500	\$50,000	\$5,000
52604	Legal Fees	\$0	\$0	\$3,000	\$10,000	\$2,000	\$1,000
	<b>Consultant Fees Total</b>	<b>\$0</b>	<b>\$7,000</b>	<b>\$653,000</b>	<b>\$155,500</b>	<b>\$52,000</b>	<b>\$6,000</b>
52608	Fed/State/Co Fees	\$0	\$0	\$0	\$430,400	\$20,000	\$3,000
	<b>Fees Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$430,400</b>	<b>\$20,000</b>	<b>\$3,000</b>
52615	Contractor Fees	\$0	\$140,000	\$2,900	\$25,250	\$60,000	\$5,000
	<b>Contractor Fee Total</b>	<b>\$0</b>	<b>\$140,000</b>	<b>\$2,900</b>	<b>\$25,250</b>	<b>\$60,000</b>	<b>\$5,000</b>
52703	Debt service	\$0	\$0	\$0	\$3,966,855	\$0	\$0
	<b>Debt Service Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,966,855</b>	<b>\$0</b>	<b>\$0</b>
52704	Insurance - Property, Plant, equipment, liability	\$0	\$0	\$0	\$400,000	\$0	\$0
52706	Dues and Publications	\$0	\$0	\$9,000	\$7,200	\$28,000	\$1,700
52709	Advertising/Legal Notices	\$0	\$0	\$0	\$0	\$0	\$0
52710	Office Supplies and expense	\$0	\$222,500	\$10,000	\$1,700	\$30,500	\$300
52711	Education, Training, Meals	\$0	\$2,000	\$3,000	\$27,500	\$23,000	\$1,100
52713	Utilities	\$0	\$500	\$3,000	\$1,152,000	\$140,000	\$700
52804	Bank fees	\$0	\$5,000	\$0	\$0	\$0	\$0
	<b>Other O&amp;M Total</b>	<b>\$0</b>	<b>\$230,000</b>	<b>\$25,000</b>	<b>\$1,588,400</b>	<b>\$221,500</b>	<b>\$3,800</b>
	<b>Division Totals</b>	<b>\$205,799</b>	<b>\$1,431,135</b>	<b>\$3,799,449</b>	<b>\$15,250,992</b>	<b>\$9,016,408</b>	<b>\$1,084,242</b>
	<b>Department Total</b>						<b>\$29,648,190</b>

	Fund 10	Fund 50	Fund 30	
10151 Engineering Split	2,659,614.30	759,889.80	379,944.90	3,799,449.00

Cost Allocation Transfer Out

7,803,223.68

**Fund 15 Water Capital Improvement Projects**

<b>Project #</b>	<b>Project</b>	<b>2022 Budget Amount</b>
2322	David Way Pump Station	\$ 75,000.00
2568	Lake Wildwood Treatment Plant	\$ 350,000.00
7032	Hemphill Diversion Structure	\$ 4,025,000.00
2603	Banner Tank Isolation Valves	\$ 60,000.00
2504	Main Office Ramp Repairs	\$ 80,000.00
6962	Christian Life way Pipeline	\$ 500,000.00
2602	DS Canal Shotgun Culverts	\$ 80,000.00
2182	North Day Road Pipeline	\$ 80,000.00
2373	Pet Hill Extension	\$ 120,000.00
2550	Sugarloaf Reservoir	\$ 200,000.00
2604	Alta Hill Reservoir	\$ 150,000.00
*	5 Yard Dump Truck (2)	\$ 320,000.00
*	Water Storage Tank Restoration	\$ 400,000.00
*	Loader Replacement	\$ 250,000.00
*	Cascade Pipe Intake Screen	\$ 120,000.00
*	Chemical Storage Tank	\$ 48,000.00
	<b>Total 2022 Project Budget</b>	<b>\$ 6,858,000.00</b>

\* Project Number not yet created.

**Fund 12 Capacity Fees**

Fund	Name	Reserved Amount	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	Projected FYE Balance
			1-Jan-22							
12	Capacity Fees*	NA	\$9,450,000	\$1,500,000	\$0	\$1,500,000	\$103,000	\$0	\$103,000	\$10,847,000

\*subaccount to Fund 10

**Fund 12 Capacity Fees**

<b>Acct. No.</b>	<b>Account Category</b>	<b>Capacity Fees</b>
52603	Consultant Fees	\$90,000
52604	Legal Fees	\$13,000
	<b>Division Totals</b>	<b>\$103,000</b>



Funds 30 and 35 Recreation												
Fund	Name	Beginning Balance	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	Projected FYE Unassigned Fund Balance	Projected FYE Fund Balance with Reserves	Reserve Policy
		1-Jan-22	Minus Reserves									
<b>30</b>	<b>Recreation Operations</b>	\$999,990	\$389,350	\$2,207,208	\$167,577	\$2,374,785	\$2,342,561	\$989,572	\$3,332,133	-\$567,999	\$42,642	
	Recreation Operational Reserve	\$585,640										3 Month (Not Per Policy)
	Recreation Accrued Absences	\$25,000										50% of Annual Liability
<b>35</b>	<b>Recreation Capital</b>	\$0	\$0	\$0	\$650,000	\$650,000	\$150,000	\$0	\$150,000	\$650,000	\$500,000	
	Recreation Capital Reserve				\$500,000							Transfer In for reserve.
	Transfer In from Fund 50 CIP				\$150,000							Transfer In

Transfer Summary Fund 30	
<b>Transfer In</b>	
Hydro Subsidy	\$167,577
<b>Total</b>	<b>\$167,577</b>
<b>Transfer Out</b>	
To Fund 70 Cost Allocation	\$609,627
To Fund 10 Engineering	\$379,945
<b>Total</b>	<b>\$989,572</b>
<b>Transfer Summary Fund 35</b>	
<b>Transfer In</b>	
From Fund 50 Hydro CIP Subsidy	\$150,000
From Fund 50 CIP Reserve	\$500,000
<b>Total</b>	<b>\$650,000</b>
<b>Transfer Out</b>	
	\$0
<b>Total</b>	<b>\$0</b>

Fund 30 General Recreation 30250		
Acct. No.	Account Category	General Recreation
51101	Salary	\$567,179
51105	Overtime	\$4,000
51201	Temporary Salary	\$226,720
	<b>Salary Total</b>	<b>\$797,899</b>
51306	Short-term Disability	\$784
51310	Medicare	\$8,224
51311	Pension Premiums	\$207,912
51312	Health Insurance	\$128,398
51313	Life Insurance	\$4,642
51314	Dental	\$7,802
51315	Vision	\$1,361
51316	Long Term Disability	\$2,552
51317	Workers Compensation	\$22,687
51318	Unemployment insurance	\$12,000
51319	FICA	\$6,500
51321	Health Benefits Retirees	\$0
51324	OPEB Net ARC	\$15,000
	<b>Benefits Total</b>	<b>\$417,862</b>
52501	Chemicals	\$17,000
52503	Equipment Maintenance	\$92,000
52504	Materials	\$195,000
52505	Safety	\$3,500
52506	Small Tools: Less than \$5K	\$7,000
	<b>Materials and Supplies</b>	<b>\$314,500</b>
52604	Legal Fees	\$13,000
52608	Fed/State/Co Fees	\$45,000
52609	Temporary Labor	\$383,000
52615	Contractor Fees	\$100,000
52704	Insurance - Property, Plant, equipment, liability	\$25,000
52706	Dues and Publications	
52709	Advertising/Legal Notices	\$7,500
52710	Office Supplies and expense	\$5,500
52711	Education, Training, Meals	\$300
52713	Utilities	\$190,000
52804	Bank fees	\$43,000
	<b>Other O&amp;M</b>	<b>\$812,300</b>
	<b>Division Totals</b>	<b>\$2,342,561</b>

Cost Allocation Transfer Out to Fund 70	609,627
Engineering Transfer Out	379,945

<b>Department Total</b>	<b>3,332,133</b>
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**Fund 35 Recreation Capital Improvement Projects**

<b>Project #</b>	<b>Project</b>	<b>2022 Budget Amount</b>
	Long Ravine Boat Ramp Upgrade	\$ 40,000.00
	Recreation Road and Campsite Pad Restoration	\$ 50,000.00
	Recreation Store and Marina Roof Replacement	\$ 60,000.00
	<b>Total Recreation 2022 CIP Budget</b>	<b>\$ 150,000.00</b>

Fund 50 and 55 Fund Summary												
Fund	Name	Beginning Balance	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	FYE Unassigned Fund Balance	FYE Balance w/Reserves	Comments
		1-Jan-22	Minus Reserve									
50	Hydroelectric Operations	\$64,617,198	\$53,395,328	\$24,833,811	\$0	\$24,833,811	\$12,486,586	\$59,982,153	\$72,468,739	\$5,760,400	\$16,982,270	
	Operating Reserve	\$8,671,870										Equal to 6 months operating expenditures (include operational transfers.)
	Insurance and Catastrophic Reserve	\$2,500,000										50 percent (Minimum \$5,000,000 and Maximum of \$10,000,000)
	Accrued Leave Reserve	\$50,000										Equal to 50% of Annual Liability
	Fund 70 Cost Allocation							\$3,779,686				Transfer Out
	Fund 10 Engineering							\$759,890				Transfer Out
	Fund 30 Recreation Subsidy							\$167,577				Transfer Out
	Fund 35 Rec CIP							\$150,000				Transfer Out
	Fund 35 Rec CIP Reserve							\$500,000				Transfer Out
	Fund 55 Hydro CIP							\$4,625,000				Transfer Out
	Fund 55 Hydro Reserves							\$50,000,000				Transfer Out
55	Hydroelectric Capital	\$0	\$0	\$0	\$54,625,000	\$54,625,000	\$4,625,000	\$0	\$4,625,000	\$0	\$50,000,000	
	Annual CIP				\$4,625,000		\$4,625,000					
	Capital Reserve				\$15,000,000						\$15,000,000	Transfer In
	FERC Capital Reserve				\$35,000,000						\$35,000,000	Transfer In

Fund 50 Transfer Summary	
Transfer In	0
Total	-
Transfer Out	
Fund 70 Cost Allocation	\$3,779,686
Fund 10 Engineering	\$759,890
Fund 30 Recreation Subsidy	\$167,577
Fund 35 Rec CIP	\$150,000
Fund 35 Rec CIP Reserve	\$500,000
Fund 55 Hydro CIP	\$4,625,000
Fund 55 Hydro Reserves	\$50,000,000
Total	\$59,982,153
Fund 55 Transfer Summary	
Transfer In	
Fund 50 Hydro Operations	\$4,625,000
From Fund 50 CIP Reserves	\$50,000,000
Total	\$54,625,000
Transfer Out	0
Total	0

Hydroelectric Department Fund 50 Expenditures				
Acct.	Account	50112	50161	50167
No.	Category	Hydro Administration	Hydro Operations	Hydro Maintenance
51101	Salary	\$781,821	\$1,089,389	\$1,386,420
51105	Overtime	\$4,000	\$65,000	\$70,000
51106	Double Time	\$500	\$15,000	\$10,000
51144	Standby	\$0	\$35,000	\$0
51201	Temporary Salary	\$25,520	\$0	\$67,620
	<b>Salary Total</b>	<b>\$811,841</b>	<b>\$1,204,389</b>	<b>\$1,534,040</b>
51306	Short-term Disability	\$896	\$1,120	\$1,456
51310	Medicare	\$11,336	\$15,796	\$20,103
51311	Pension Premiums	\$278,923	\$388,651	\$494,620
51312	Health Insurance	\$156,388	\$187,044	\$228,806
51313	Life Insurance	\$6,398	\$8,916	\$11,346
51314	Dental	\$8,916	\$11,146	\$14,489
51315	Vision	\$1,555	\$1,944	\$2,527
51316	Long Term Disability	\$3,518	\$4,902	\$6,329
51317	Workers Compensation	\$10,219	\$18,846	\$25,472
51318	Unemployment insurance	\$0	\$0	\$5,000
51319	FICA	\$0	\$0	\$4,000
51321	Health Benefits Retirees	\$88,165	\$0	\$0
51324	OPEB	\$1,000,000	\$0	\$0
	<b>Benefits Total</b>	<b>\$1,566,314</b>	<b>\$638,365</b>	<b>\$814,148</b>
52501	Chemicals	\$95,000	\$1,000	\$7,500
52503	Equipment Maintenance	\$36,000	\$205,500	\$203,000
52504	Materials	\$25,000	\$25,000	\$270,000
52505	Safety	\$6,000	\$25,700	\$31,370
52506	Small Tools: Less than \$5K	\$5,000	\$13,000	\$25,000
	<b>Materials and Supplies Total</b>	<b>\$167,000</b>	<b>\$270,200</b>	<b>\$536,870</b>
52603	Consultant Fees	\$1,270,000	\$31,824	\$195,100
52604	Legal Fees	\$175,000		
	<b>Consultant Fees Total</b>	<b>\$1,445,000</b>	<b>\$31,824</b>	<b>\$195,100</b>
52607	Franchise Fees	\$81,024	\$0	\$0
52608	Fed/State/Co Fees	\$1,050,500	\$0	\$0
	<b>Fees Total</b>	<b>\$1,131,524</b>	<b>\$0</b>	<b>\$0</b>
52615	Contractor Fees	\$52,336	\$148,947	\$489,188
	<b>Contractor Fees Total</b>	<b>\$52,336</b>	<b>\$148,947</b>	<b>\$489,188</b>
52704	Insurance - Property, Plant, equipment, liability	\$807,500	\$0	\$0
52706	Dues and Publications	\$29,500	\$0	\$0
52709	Advertising/Legal Notices	\$0	\$0	\$0
52710	Office Supplies and Expense	\$17,000	\$10,000	\$5,000
52711	Education, Training, Meals	\$27,000	\$40,000	\$35,000
52713	Utilities	\$157,500	\$6,000	\$0
52904	Equipment Purchases	\$52,000	\$0	\$263,000
	<b>Other O&amp;M</b>	<b>\$1,090,500</b>	<b>\$56,000</b>	<b>\$303,000</b>
	<b>Division Totals</b>	<b>\$6,264,515</b>	<b>\$2,349,725</b>	<b>\$3,872,346</b>
	<b>Department Total</b>			<b>\$12,486,586</b>

<b>Fund 55 Hydroelectric Capital Improvement Projects</b>		
<b>Project #</b>	<b>Project</b>	<b>2022 Budget Amount</b>
2094	Scotts Flat Spillway Repair & Upgrades	\$1,000,000
2362	CPPH Transformer Replacement	\$150,000
2353	CPPH Turbine Overhaul	\$150,000
2595	Scotts Flat Dam Wave Erosion Protection	\$75,000
2339	Rucker Creek Spill Gate Replacement	\$250,000
2383	CPPH Rewind	\$150,000
2392	Rollins Powerhouse Governor Replacement	\$150,000
2599	Christmas Tree Spillgate Replacement	\$50,000
2359	Bowman North Dam Upstream Lining Repair	\$100,000
2394	Rollins Powerhouse Relay Protection Upgrade	\$250,000
2596	Sawmill Dam Outlet Pipe Rehabilitation	\$100,000
2404	Fall Creek Flume Improvements	\$150,000
2581	Combie North Capacitor Bank Upgrade	\$75,000
2598	CPPH RTU Replacement	\$200,000
2455	Dutch Flat #2 PH Cooling Water Upgrade	\$75,000
2597	Jackson Lake Dam Toe Slope Protection	\$20,000
2576	Fall Creek Diversion Flume Improvements	\$100,000
2600	Bowman Spaulding Canal Lining Repair Boxcar	\$400,000
2405	Hydroelectric Field Office Radio Tower	\$350,000
2240	Dutch Flat #2 PH Fire Suppression Upgrade	\$250,000
6943	Combie South Access Road	\$200,000
2432	New Hydroelectric Office Design	\$250,000
*	Acoustic Doppler Current Profiler	\$35,000
*	Snow Fox Snow Measurement Equipment	\$25,000
*	Truck Half Ton	\$45,000
*	Utility Terrain Vehicle	\$25,000
<b>Total Hydroelectric 2022 CIP Budget</b>		<b>\$4,625,000</b>
*Project added after workshop.		

Internal Services Fund 70										
Fund	Name	Reserved Amount	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	Projected FYE Balance
			1-Jan-22							
70	Internal Services	\$0	\$0	\$0	\$12,192,537	\$12,192,537	\$12,192,537	\$0	\$12,192,537	\$0

Notes

No reserve necessary. Reserve included in contributing fund operational reserve.

Beginning Fund Balance is \$0. New Fund.

Fund Balance should zero out each year.

Fund 70 Transfer Summary	
Transfer In	
Fund 10	7,803,223.68
Fund 30	609,626.85
Fund 50	3,779,686.47
<b>Total</b>	<b>12,192,537.00</b>

Fund 70 - Internal Services											
Acct No	Account Category	10113	10115	10116	10117	10118	10119	10120	10135	10193	10195
		Directors	Management	Watershed	HR	IT	Safety	Comm	Accounting	Purchasing	Shop Operations
51101	Salary	\$74,280	\$778,822	\$187,197	\$275,673	\$497,000	\$166,563	\$92,180	\$766,256	\$285,402	\$253,211
51105	Overtime	\$0	\$1,000	\$0	\$500	\$20,000	\$0	\$0	\$13,000	\$1,000	\$1,000
51106	Double Time	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500
	<b>Salary Total</b>	<b>\$74,280</b>	<b>\$779,822</b>	<b>\$187,197</b>	<b>\$276,173</b>	<b>\$517,000</b>	<b>\$166,563</b>	<b>\$92,180</b>	<b>\$779,256</b>	<b>\$286,402</b>	<b>\$254,711</b>
51305	Air Ambulance	\$0	\$0	\$0	\$12,660	\$0	\$0	\$0	\$0	\$0	\$0
51306	Short-term Disability	\$0	\$784	\$224	\$336	\$425	\$224	\$112	\$896	\$448	\$448
51310	Medicare	\$1,077	\$11,293	\$2,714	\$3,997	\$5,400	\$2,415	\$1,337	\$11,111	\$4,138	\$3,672
51311	Pension Premiums	\$0	\$287,931	\$66,785	\$98,349	\$132,408	\$59,423	\$51,381	\$273,370	\$101,820	\$90,336
51312	Health Insurance	\$72,419	\$128,398	\$39,097	\$58,645	\$62,001	\$39,097	\$19,548	\$131,064	\$78,194	\$69,753
51313	Life Insurance	\$608	\$6,374	\$1,532	\$2,256	\$3,200	\$1,363	\$754	\$6,271	\$2,336	\$2,072
51314	Dental	\$5,573	\$7,802	\$2,229	\$3,344	\$4,592	\$2,229	\$1,115	\$8,916	\$4,458	\$4,458
51315	Vision	\$972	\$1,361	\$389	\$583	\$777	\$389	\$194	\$1,555	\$778	\$778
51316	Long Term Disability	\$0	\$3,505	\$842	\$1,241	\$2,082	\$750	\$415	\$3,448	\$1,284	\$1,139
51317	Workers Compensation	\$295	\$2,726	\$2,960	\$965	\$1,620	\$6,663	\$323	\$2,682	\$999	\$10,128
51318	Unemployment insurance	\$0	\$2,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000
51319	FICA	\$5,300	\$250	\$200	\$0	\$0	\$0	\$0	\$0	\$0	\$0
51321	Health Benefits Retirees	\$0	\$876,756	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
51324	OPEB Net ARC	\$0	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	<b>Benefits Total</b>	<b>\$86,244</b>	<b>\$1,729,680</b>	<b>\$116,972</b>	<b>\$182,376</b>	<b>\$212,505</b>	<b>\$112,553</b>	<b>\$75,179</b>	<b>\$439,313</b>	<b>\$194,455</b>	<b>\$184,784</b>
52501	Chemicals	\$0	\$100	\$0	\$0	\$225	\$0	\$0	\$0	\$150	\$45,000
52503	Equipment Maintenance	\$6,500	\$35,000	\$0	\$0	\$331,085	\$0	\$0	\$3,000	\$3,200	\$310,000
52504	Materials	\$0	\$3,000	\$2,000	\$0	\$0	\$0	\$5,000	\$0	\$53,500	\$25,000
52505	Safety	\$0	\$0	\$0	\$0	\$0	\$11,000	\$0	\$0	\$52,700	\$5,500
52506	Small Tools: Less than \$5K	\$0	\$0	\$500	\$0	\$500	\$0	\$0	\$0	\$29,000	\$2,000
	<b>Materials and Supplies Total</b>	<b>\$6,500</b>	<b>\$38,100</b>	<b>\$2,500</b>	<b>\$0</b>	<b>\$331,810</b>	<b>\$11,000</b>	<b>\$5,000</b>	<b>\$3,000</b>	<b>\$138,550</b>	<b>\$387,500</b>
52603	Consultant Fees	\$0	\$222,500	\$248,000	\$15,500	\$125,000	\$50,000	\$50,000	\$245,000	\$0	\$0
52604	Legal Fees	\$20,000	\$235,000	\$0	\$11,000	\$0	\$0	\$0	\$0	\$0	\$0
	<b>Consultant Fees Total</b>	<b>\$20,000</b>	<b>\$457,500</b>	<b>\$248,000</b>	<b>\$26,500</b>	<b>\$125,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$245,000</b>	<b>\$0</b>	<b>\$0</b>
52608	Fed/State/Co Fees	\$48,000	\$66,000	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	<b>Fees Total</b>	<b>\$48,000</b>	<b>\$66,000</b>	<b>\$3,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
52609	Temporary Labor	\$0	\$0	\$25,000	\$0	\$35,000	\$0	\$0	\$175,000	\$0	\$0
52615	Contractor Fees	\$0	\$0	\$1,807,000	\$0	\$0	\$0	\$0	\$0	\$110,000	\$1,000
	<b>Temp Labor and Contractors</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,832,000</b>	<b>\$0</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$175,000</b>	<b>\$110,000</b>	<b>\$1,000</b>
52704	Insurance	\$0	\$427,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
52706	Dues and Publications	\$3,000	\$98,100	\$0	\$810	\$260	\$12,000	\$0	\$850	\$600	\$2,000
52709	Advertising/Legal Notices	\$0	\$0	\$0	\$6,000	\$0	\$0	\$17,000	\$0	\$0	\$0
52710	Office Supplies and expense	\$3,350	\$20,000	\$0	\$7,000	\$136,500	\$0	\$0	\$0	\$7,500	\$2,000
52711	Education, Training, Meals	\$14,500	\$20,500	\$1,000	\$2,800	\$15,000	\$2,300	\$0	\$1,500	\$1,000	\$1,250
52713	Utilities	\$1,500	\$92,300	\$0	\$960	\$84,252	\$1,000	\$0	\$0	\$0	\$5,100
52804	Bank fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000	\$0	\$0
	<b>Other Operating Expenses</b>	<b>\$22,350</b>	<b>\$657,900</b>	<b>\$1,000</b>	<b>\$17,570</b>	<b>\$236,012</b>	<b>\$15,300</b>	<b>\$17,000</b>	<b>\$42,350</b>	<b>\$9,100</b>	<b>\$10,350</b>
	<b>Division Totals</b>	<b>\$257,374</b>	<b>\$3,729,002</b>	<b>\$2,390,669</b>	<b>\$502,619</b>	<b>\$1,457,327</b>	<b>\$355,416</b>	<b>\$239,359</b>	<b>\$1,683,919</b>	<b>\$738,507</b>	<b>\$838,345</b>
	<b>Department Total</b>										<b>12,192,537</b>



2022  
Capital Improvement Plan



## 2022 Annual Budget

**Project Name:** David Way Pump Station      **Project No.:** 2322

Dept. 10151-Engineering      Program: 52915-Non-Programmatic      Priority Ranking: 71

Facility: E. George      Facility #: 10313      Division #: Div 3

Project Manager: Adrian Schneider      Constructed by: To be determined

New Construction:      Replacement:       Upgrades:      Multiple Phases: \_\_\_\_\_

CEQA: Exemption      Permits: \_\_\_\_\_      ROW: \_\_\_\_\_

**Project Purpose:** (Problem Statement)

The pump station is badly deteriorated (built in 1969), has exceeded its life expectancy, lacks fire flow capabilities and a back-up pump. The station has a single pump that serves both domestic demands and fire flows.

**Project Description:** (Proposed Solution)

Install a new pre-manufactured pump station with separate pumps for domestic demand and fire flow and to have two pumps to provide redundancy to the domestic demands.

**Basis for Priority:**

Health and Safety as well as lower operation and maintenance costs.

**Project Financial Summary:**

Project Estimate: 487,475      Total Spent to Date: \_\_\_\_\_      Current Year Budget: 412,475

Anticipated Expenses to End of Year: 412,475      Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction	412,475		75,000					487,475
Right of Way								0
Other:	0							0
<b>Total:</b>	412,475	0	75,000	0	0	0	0	487,475

**Funding Sources**

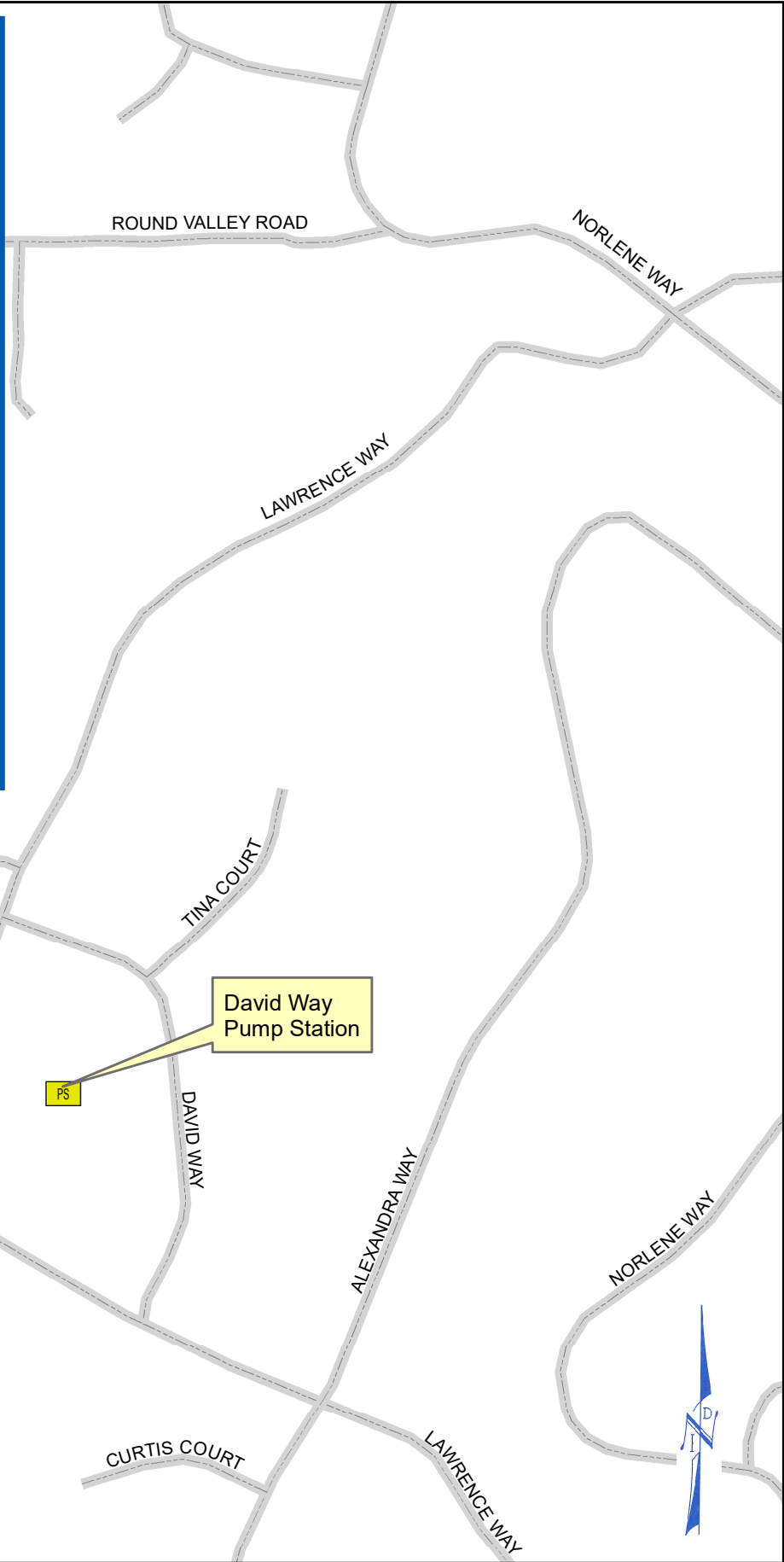
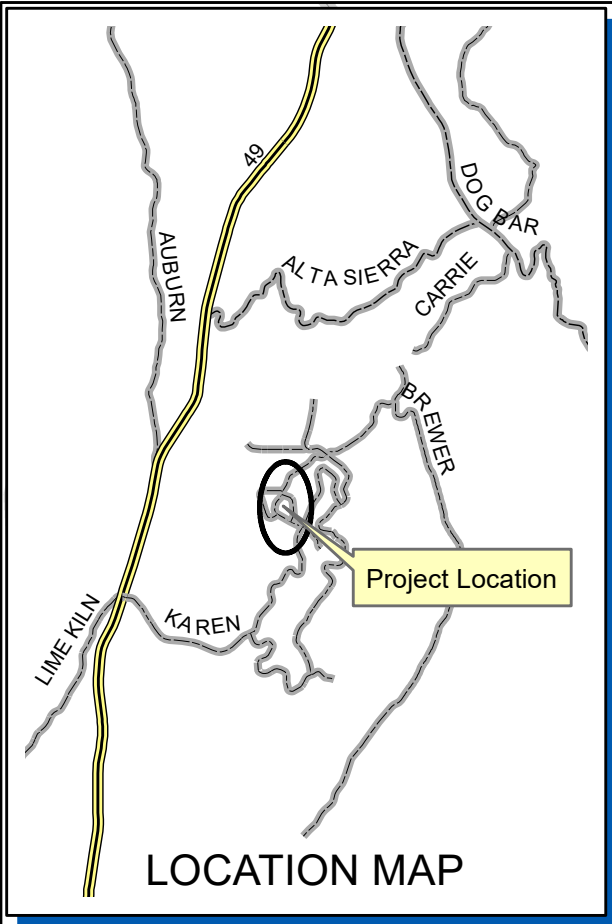
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10	412,475		75,000					487,475
								0
								0
<b>Total:</b>	412,475	0	75,000	0	0	0	0	487,475

**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: David Way Pump Station Project No.: 2322

Criteria #	Scoring	Project
<b>1. Capital Costs</b>	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8
<b>2. Annual Operation and Maintenance Costs</b>	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	8
<b>3. Increased Revenue Potential</b>	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	6
<b>4. Health and Safety</b>	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	9
<b>5. Environmental</b>	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
<b>6. Distributional or Hydro Generation Effects</b>	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	6
<b>7. Critical Infrastructure and Risk to Service Disruption</b>	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	7
<b>8. Board Strategic Plan/Goals</b>	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
<b>9. Certainty of Project Funding</b>	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
<b>10. New Capital Asset will have associated revenue that offsets maintenance costs</b>	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	2
<b>11. Improves and/or increases level of service</b>	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	8
Max Score: 100		Total Prioritization Score 71



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## DAVID WAY PUMP STATION



Date: 9/9/2021  
 Drawn By: D. HUNT

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY -- PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1





*Existing pump station building, white pressure tank, generator and storage tank, northeast view*



*Existing pump station building, pressure tank, and storage tank from entrance, south view*





## 2022 Annual Budget

**Project Name: Lake Wildwood TP Upgrades      Project No.: 2568**

Dept. 10151-Engineering      Program: 52915-Non-Programmatic      Priority Ranking: 67

Facility: Lakewildwood Treatment Plant      Facility #: 10305      Division #: Div 5

Project Manager: Doug Hobbs      Constructed by: To be determined

New Construction:      Replacement:      Upgrades:       Multiple Phases: Yes

CEQA: Exemption      Permits: \_\_\_\_\_      ROW: \_\_\_\_\_

**Project Purpose:** (Problem Statement)

Backwash pumps need replacing. Also both pumps are not available if one clearwell is out of service. This will only be fixed with plumbing improvements like a common pump header system with valves. Also install new under drains in drying ponds to improve efficiencies.

**Project Description:** (Proposed Solution)

Replace backwash pumps and install common pump header system with valves. Install new under drains and splitter box, shotcrete berms and ramp.

**Basis for Priority:**

Impacts to health and safety and treatment plant operation/efficiencies.

**Project Financial Summary:**

Project Estimate: 550,000      Total Spent to Date: \_\_\_\_\_      Current Year Budget: \_\_\_\_\_

Anticipated Expenses to End of Year: \_\_\_\_\_      Amount Remaining in Current Year Budget: \_\_\_\_\_

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			350,000	200,000				550,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	350,000	200,000	0	0	0	550,000

**Funding Sources**

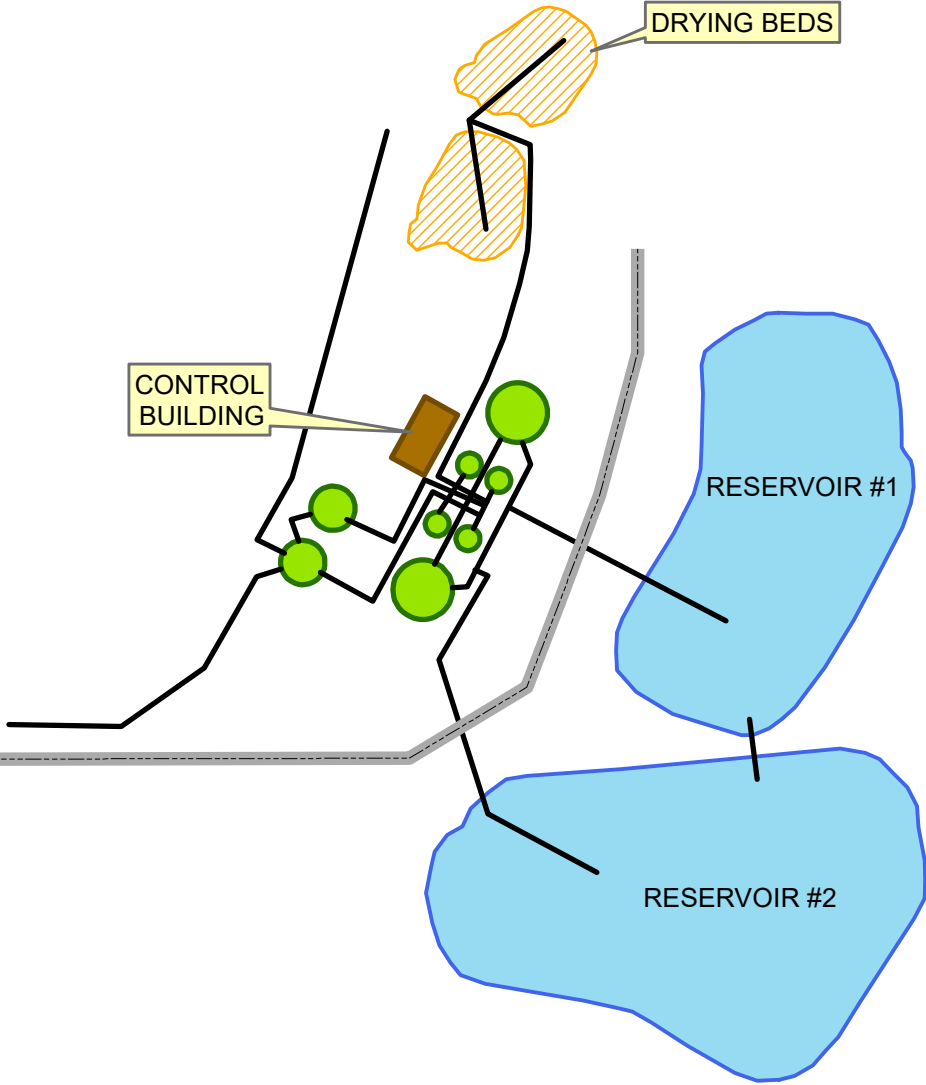
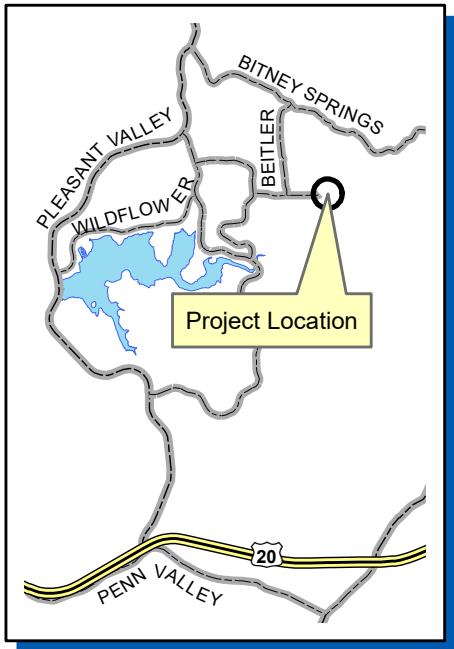
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			350,000	200,000				550,000
								0
								0
<b>Total:</b>	0	0	350,000	200,000	0	0	0	550,000

**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project:                     Lake Wildwood TP Upgrades                     Project No.:                     2568                    

Criteria #	Scoring	Project
<b>1. Capital Costs</b>	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8
<b>2. Annual Operation and Maintenance Costs</b>	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	6
<b>3. Increased Revenue Potential</b>	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
<b>4. Health and Safety</b>	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	9
<b>5. Environmental</b>	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
<b>6. Distributional or Hydro Generation Effects</b>	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	9
<b>7. Critical Infrastructure and Risk to Service Disruption</b>	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	8
<b>8. Board Strategic Plan/Goals</b>	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
<b>9. Certainty of Project Funding</b>	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
<b>10. New Capital Asset will have associated revenue that offsets maintenance costs</b>	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
<b>11. Improves and/or increases level of service</b>	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100	Total Prioritization Score	67



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**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

**LAKE WILDWOOD TREATMENT PLANT**

Drawn By: D. HUNT

Date: 9/16/2021

Scale: NO SCALE

Sheet: 1 of 1









## 2022 Annual Budget

**Project Name: Hemphill Diversion Structure      Project No.: 7032**

Dept. 10151-Engineering      Program: 52915-Non-Programmatic      Priority Ranking: 65

Facility: Hemphill Canal      Facility #: 10506      Division #: Div 4

Project Manager: Tonia Tabucchi Herrera      Constructed by: Contractor

New Construction:       Replacement:       Upgrades:      Multiple Phases: No

CEQA: EIR      Permits: PCCP, Multiple      ROW: TCE

**Project Purpose: (Problem Statement)**

The Hemphill Diversion is an impediment to the passage of migrating fish that spawn in Auburn Ravine. The impediment needs to be eliminated while maintaining water deliveries to customers served by this canal.

**Project Description: (Proposed Solution)**

Alternative 2 is the approved project, which includes the removal of the diversion structure, site stabilization, and construction of a nature-like roughen rock ramp in-stream fish passage, installation of a fish screen, and improvements to a portion of the Hemphill Canal. The EIR was adopted by the Board on July 28, 2021

**Basis for Priority:**

Regulatory, Terms of Water Audit Settlement

**Project Financial Summary:**

Project Estimate: 4,425,000      Total Spent to Date: 888,153      Current Year Budget: 300,000

Anticipated Expenses to End of Year: 400,000      Amount Remaining in Current Year Budget: 166,277

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies	398,224	11,321						409,545
Design/Engineering								0
Permitting/CEQA	408,892	6,242						415,134
Construction			4,000,000					4,000,000
Right of Way			25,000					25,000
Other: Legal	63,474							63,474
<b>Total:</b>	<b>870,590</b>	<b>17,563</b>	<b>4,025,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,913,153</b>

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10	685,193	17,564	4,025,000					4,727,757
DFW Grant	177,042							177,042
								0
<b>Total:</b>	<b>862,235</b>	<b>17,564</b>	<b>4,025,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,904,799</b>

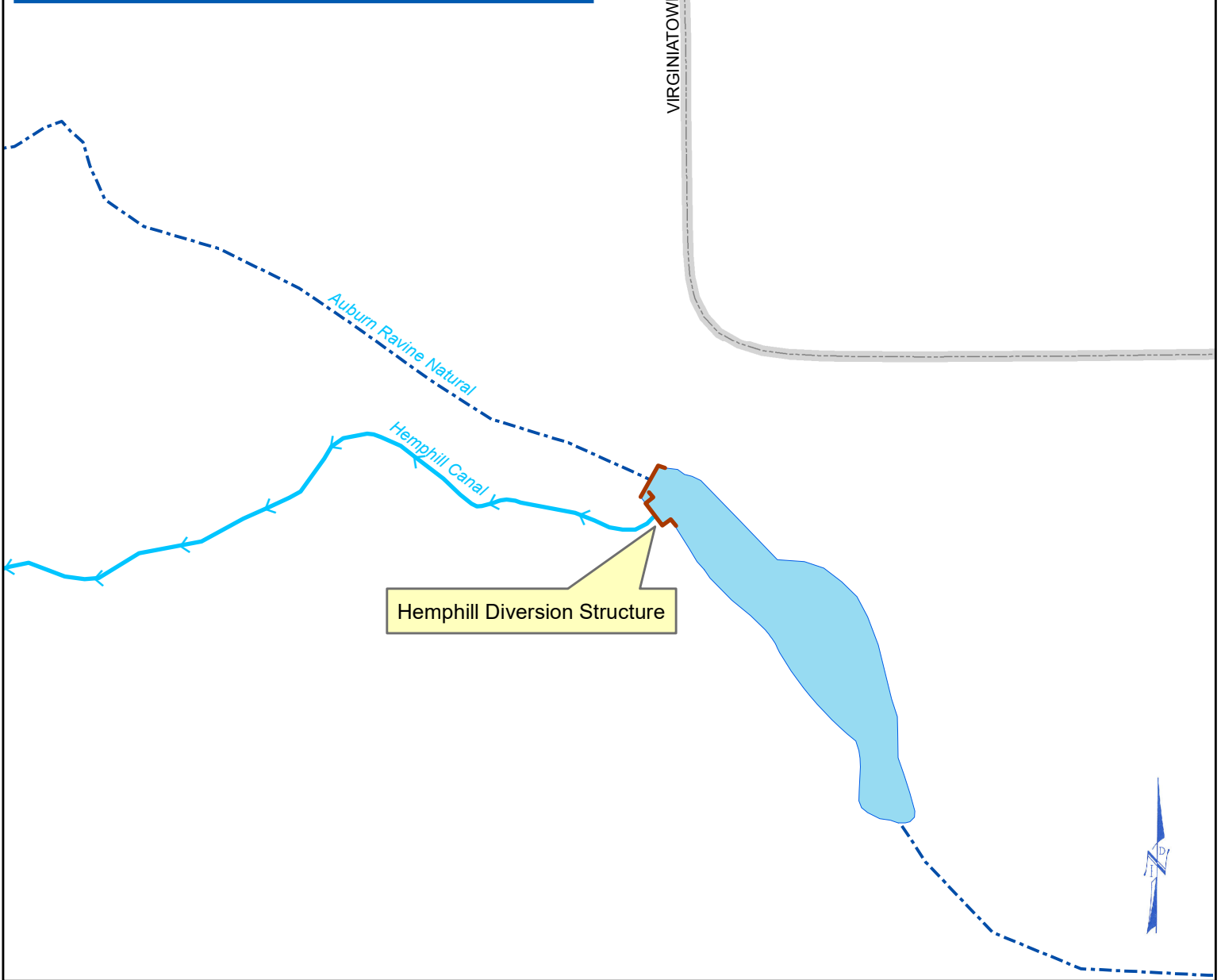
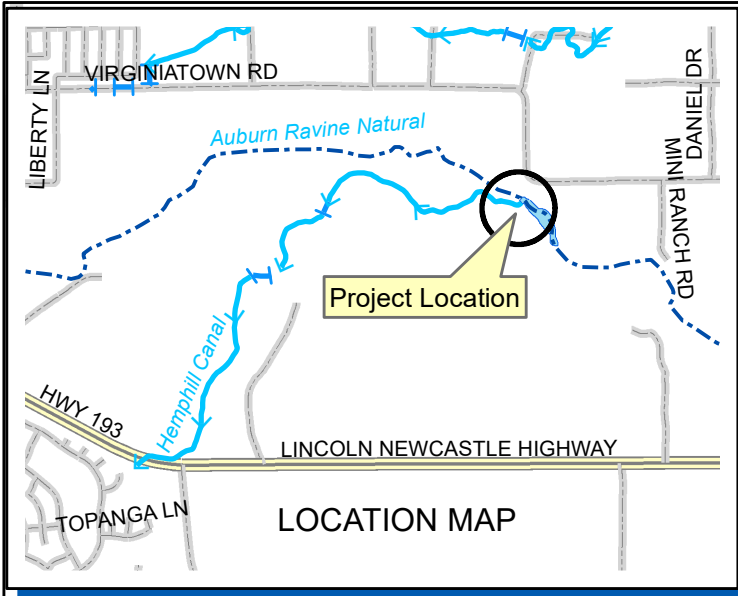
**Notes:**

Task Order 5 for ECORP \$19,500. Permitting Support \$75,000., Design Contract \$294,166 = \$388,666

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project:                     Hemphill Diversion Structure                     Project No.:           7032          

Criteria #	Scoring	Project
<b>1. Capital Costs</b>	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8
<b>2. Annual Operation and Maintenance Costs</b>	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	4
<b>3. Increased Revenue Potential</b>	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
<b>4. Health and Safety</b>	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	6
<b>5. Environmental</b>	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	10
<b>6. Distributional or Hydro Generation Effects</b>	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	8
<b>7. Critical Infrastructure and Risk to Service Disruption</b>	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
<b>8. Board Strategic Plan/Goals</b>	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	9
<b>9. Certainty of Project Funding</b>	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
<b>10. New Capital Asset will have associated revenue that offsets maintenance costs</b>	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
<b>11. Improves and/or increases level of service</b>	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100		Total Prioritization Score  65



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# HEMPHILL DIVERSION STRUCTURE



Date: 9/9/2021  
 Drawn By: D. HUNT

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY -- PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1









## 2022 Annual Budget

**Project Name: Banner Tank Isolation Valves      Project No.: 2603**

Dept. 10151-Engineering      Program: 52915-Non-Programmatic      Priority Ranking: 62

Facility: E. George      Facility #: 10313      Division #: .

Project Manager: Doug Hobbs      Constructed by: To be determined

New Construction:      Replacement:      Upgrades:       Multiple Phases:         

CEQA: Exemption      Permits:               ROW:         

**Project Purpose: (Problem Statement)**

The Taylor tank cannot be isolated for longer that 24-48 hours for maintenance/repairs as there is no isolation valve to keep the Banner Taylor pumps in water. Additionally, there is no influent isolation valve to Taylor Tank and cannot get chlorine contact time when using the old bypass pipe.

**Project Description: (Proposed Solution)**

Install new isolation valves and bypass line. The bypass line would be a 24 inch pipe and valves. Due to limited room where the influent isolation valve would be installed, the existing flow meter would need to be moved to the other side of the tank.

**Basis for Priority:**

Health and safety and improve our ability to maintain the tank. Also improves operation and flexibility during emergencies.

**Project Financial Summary:**

Project Estimate: 60,000      Total Spent to Date:               Current Year Budget:         

Anticipated Expenses to End of Year:               Amount Remaining in Current Year Budget:         

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			60,000					60,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	60,000	0	0	0	0	60,000

**Funding Sources**

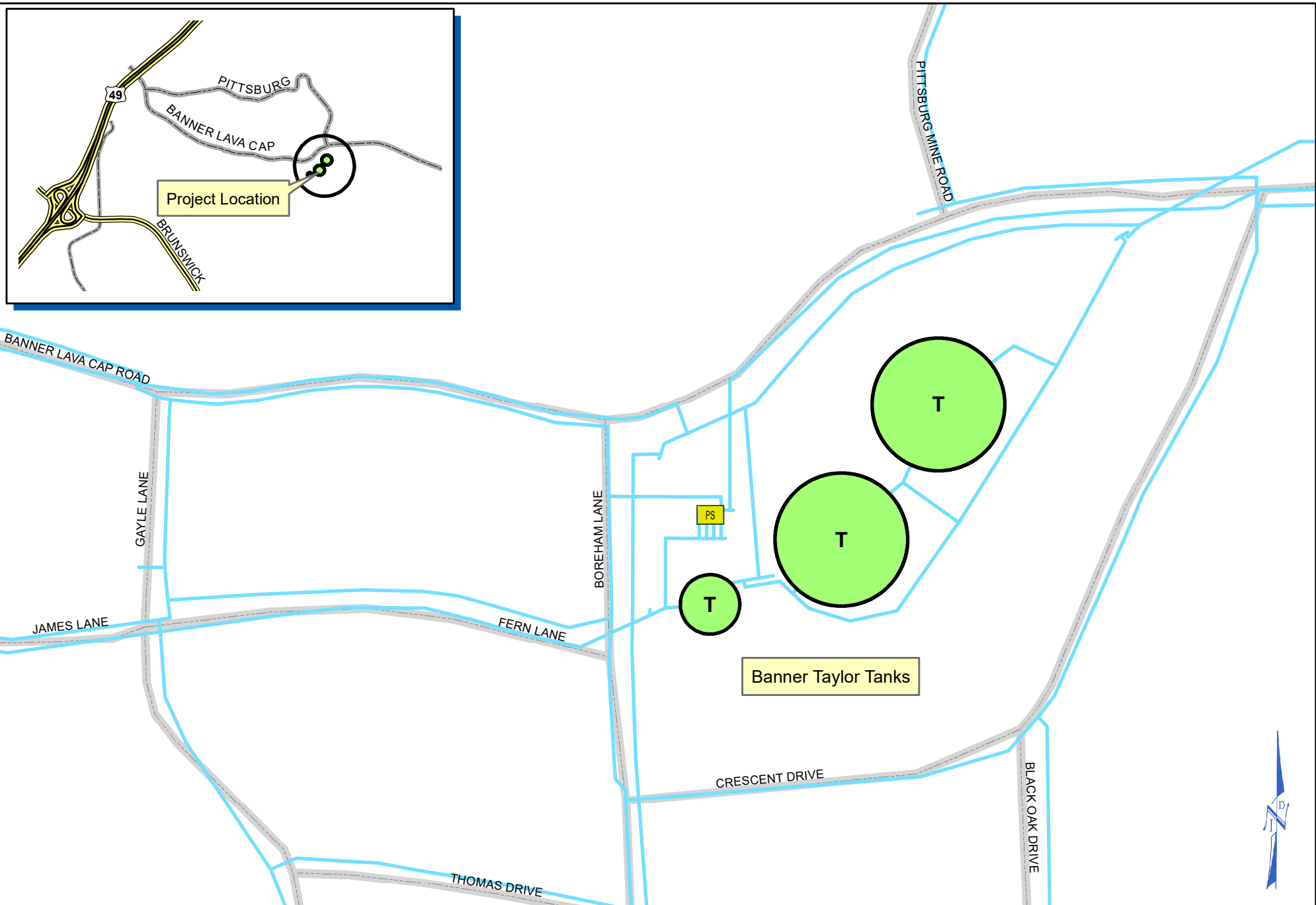
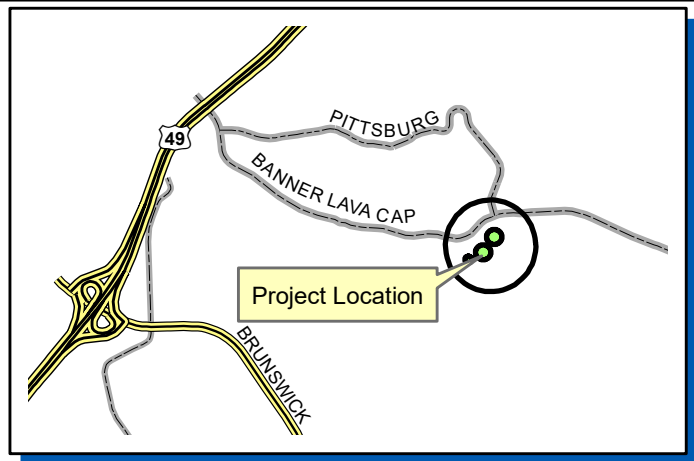
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			60,000					60,000
								0
								0
<b>Total:</b>	0	0	60,000	0	0	0	0	60,000

**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project:                     Banner Tank Isolation Valves                     Project No.:                     2603                    

Criteria #	Scoring	Project
<b>1. Capital Costs</b>	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	5
<b>2. Annual Operation and Maintenance Costs</b>	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	5
<b>3. Increased Revenue Potential</b>	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
<b>4. Health and Safety</b>	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	9
<b>5. Environmental</b>	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
<b>6. Distributional or Hydro Generation Effects</b>	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	9
<b>7. Critical Infrastructure and Risk to Service Disruption</b>	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	7
<b>8. Board Strategic Plan/Goals</b>	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
<b>9. Certainty of Project Funding</b>	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
<b>10. New Capital Asset will have associated revenue that offsets maintenance costs</b>	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
<b>11. Improves and/or increases level of service</b>	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100	Total Prioritization Score	62



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**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

**BANNER TANK ISOLATION VALVES**

16

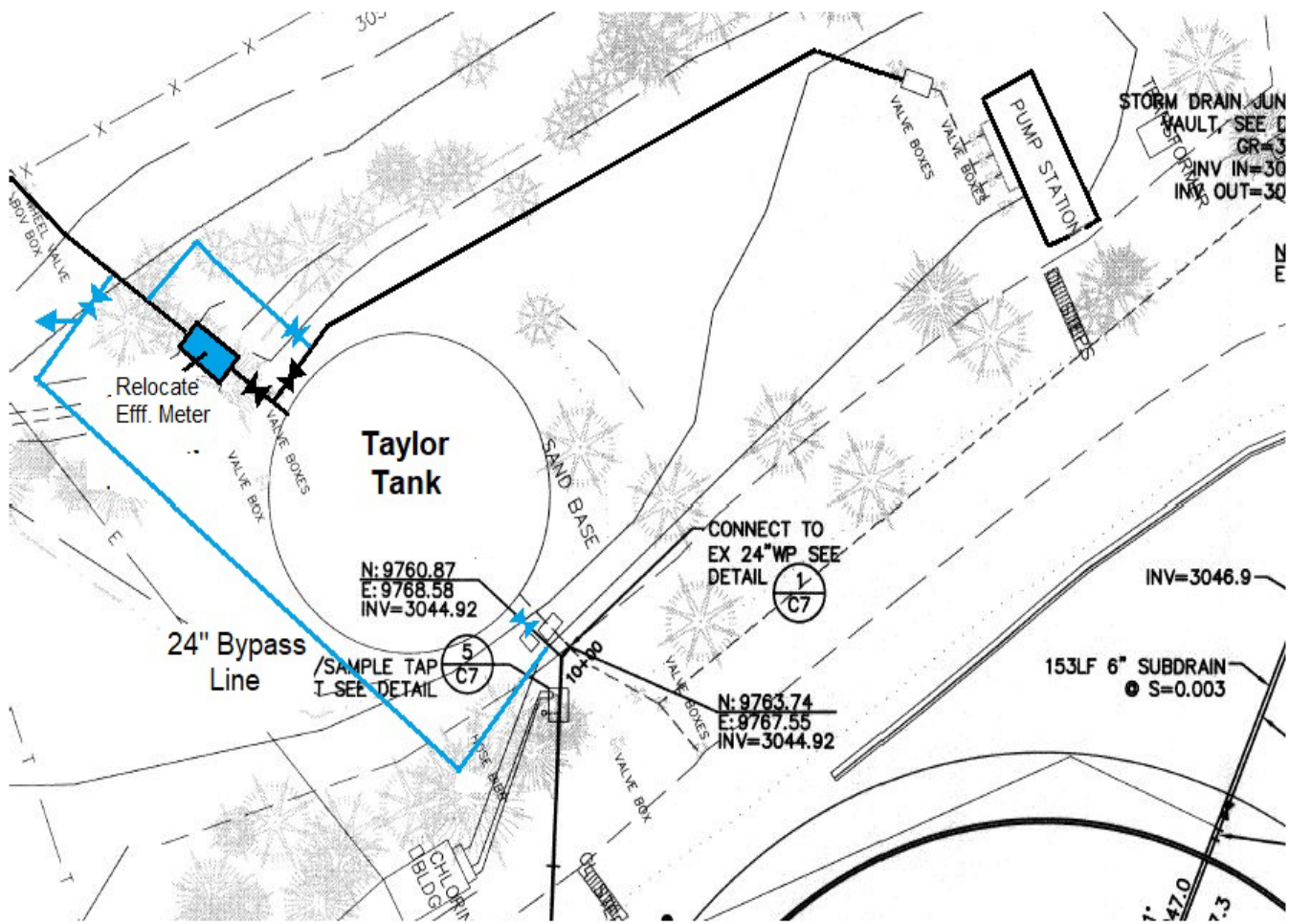
Drawn By: D. HUNT

Date: 9/16/2021

Scale: NO SCALE

Sheet: 1 of 1







## 2022 Annual Budget

**Project Name: Ramp Repairs - Main Office      Project No.: 2504**

Dept. 10115-Admin      Program: 52915-Non-Programmatic      Priority Ranking: 58

Facility: Main Office - Grass Valley      Facility #: 10230      Division #:   

Project Manager: Doug Hobbs      Constructed by: To be determined

New Construction:      Replacement:       Upgrades:      Multiple Phases:   

CEQA: Exemption      Permits: Building      ROW:   

**Project Purpose:** (Problem Statement)

Existing ramp is failing and requires extensive reconstruction.

**Project Description:** (Proposed Solution)

Project will replace the existing ramp and bring it up to current design standards.

**Basis for Priority:**

Health and Safety concerns as it is used for public and staff to access the main building.

**Project Financial Summary:**

Project Estimate: 100,000      Total Spent to Date:         Current Year Budget:   

Anticipated Expenses to End of Year: 20,000      Amount Remaining in Current Year Budget:   

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering	18,000							18,000
Permitting/CEQA	2,000							2,000
Construction			80,000					80,000
Right of Way								0
Other:								0
<b>Total:</b>	20,000	0	80,000	0	0	0	0	100,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10	20,000		80,000					100,000
								0
								0
<b>Total:</b>	20,000	0	80,000	0	0	0	0	100,000

**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project:                     Ramp Repairs - Main Office                     Project No.:                     2504                    

Criteria #	Scoring	Project
<b>1. Capital Costs</b>	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8
<b>2. Annual Operation and Maintenance Costs</b>	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	5
<b>3. Increased Revenue Potential</b>	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
<b>4. Health and Safety</b>	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	10
<b>5. Environmental</b>	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
<b>6. Distributional or Hydro Generation Effects</b>	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
<b>7. Critical Infrastructure and Risk to Service Disruption</b>	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
<b>8. Board Strategic Plan/Goals</b>	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	5
<b>9. Certainty of Project Funding</b>	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
<b>10. New Capital Asset will have associated revenue that offsets maintenance costs</b>	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
<b>11. Improves and/or increases level of service</b>	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100	Total Prioritization Score	58





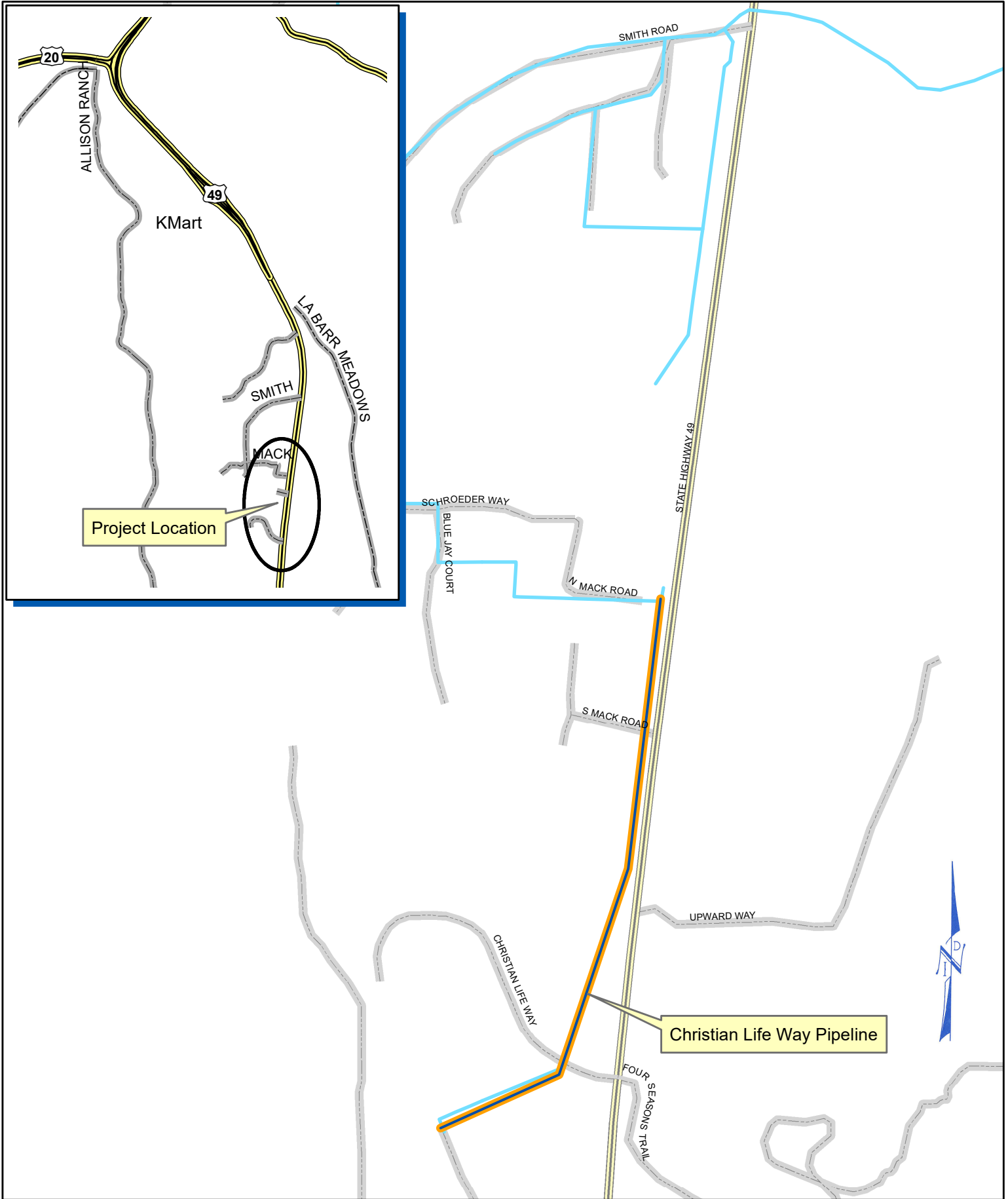




## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Christian Life Way Project No.: 6962

Criteria #	Scoring	Project
<b>1. Capital Costs</b>	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	7
<b>2. Annual Operation and Maintenance Costs</b>	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	7
<b>3. Increased Revenue Potential</b>	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
<b>4. Health and Safety</b>	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	7
<b>5. Environmental</b>	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	3
<b>6. Distributional or Hydro Generation Effects</b>	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
<b>7. Critical Infrastructure and Risk to Service Disruption</b>	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
<b>8. Board Strategic Plan/Goals</b>	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
<b>9. Certainty of Project Funding</b>	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
<b>10. New Capital Asset will have associated revenue that offsets maintenance costs</b>	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
<b>11. Improves and/or increases level of service</b>	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	6
Max Score: 100		Total Prioritization Score 57



# CHRISTIAN LIFE WAY PIPELINE REPLACEMENT



Date: 9/9/2021  
 Drawn By: D. HUNT

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY -- PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1

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## 2022 Annual Budget

**Project Name:** D/S Canal Shotgun Culverts at Red Dog Rd. **Project No.:** 2602

Dept. 10151-Engineering Program: 52910-Raw Water Priority Ranking: 57

Facility: DS Canal Facility #: 10354 Division #: Div 1

Project Manager: Doug Hobbs Constructed by: To be determined

New Construction: Replacement:  Upgrades:  Multiple Phases:

CEQA: Exemption Permits:  ROW:

**Project Purpose:** (Problem Statement)

Demand for high flows when running summer time raw water sales and treatment plant flows, becomes an issue when the South Yuba Canal goes down during the water season. Culverts are deteriorated and need replacement.

**Project Description:** (Proposed Solution)

Replace existing shotgun culverts at Red Dog Rd with single concrete box culvert or arch pipe.

**Basis for Priority:**

Impacts water deliveries.

**Project Financial Summary:**

Project Estimate: 80,000 Total Spent to Date:  Current Year Budget:

Anticipated Expenses to End of Year:  Amount Remaining in Current Year Budget:

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			80,000					80,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	80,000	0	0	0	0	80,000

**Funding Sources**

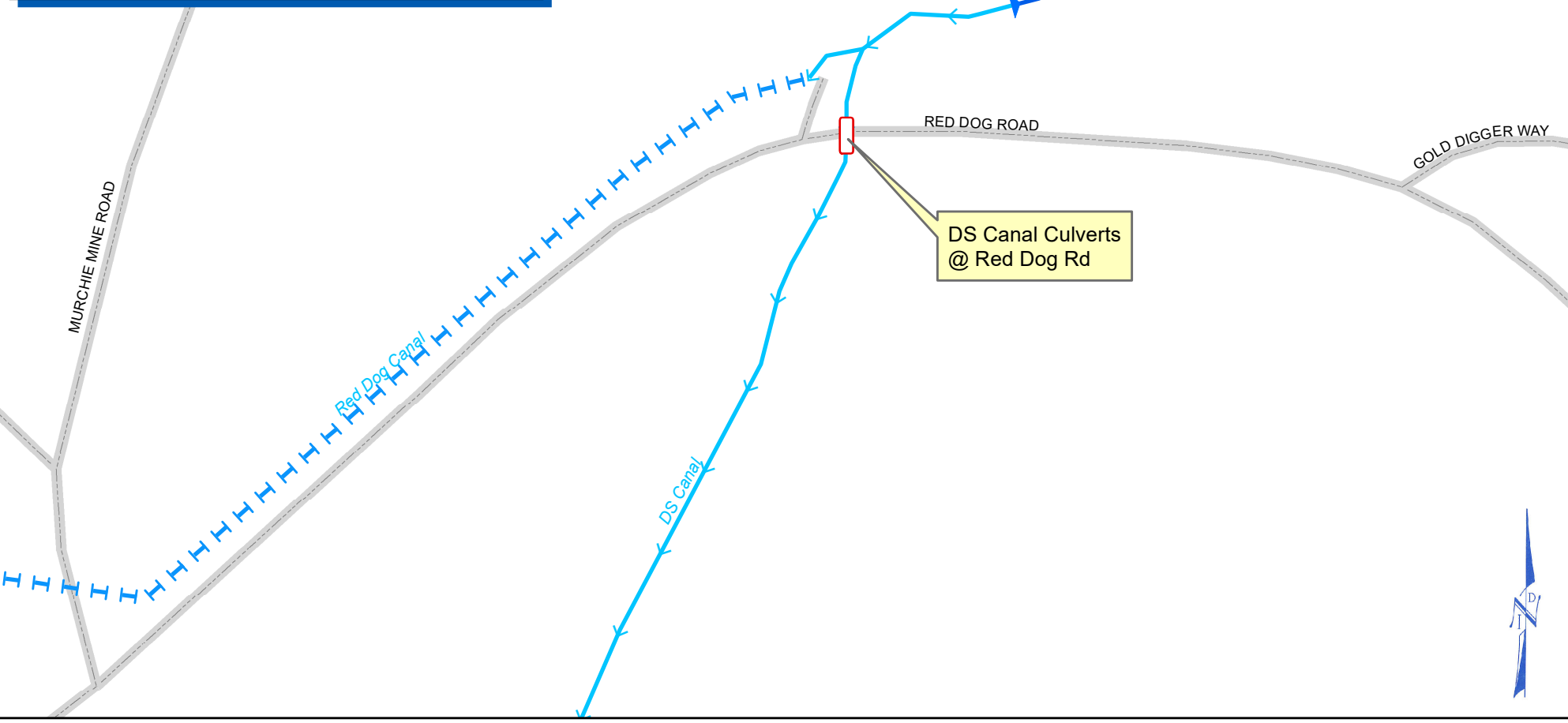
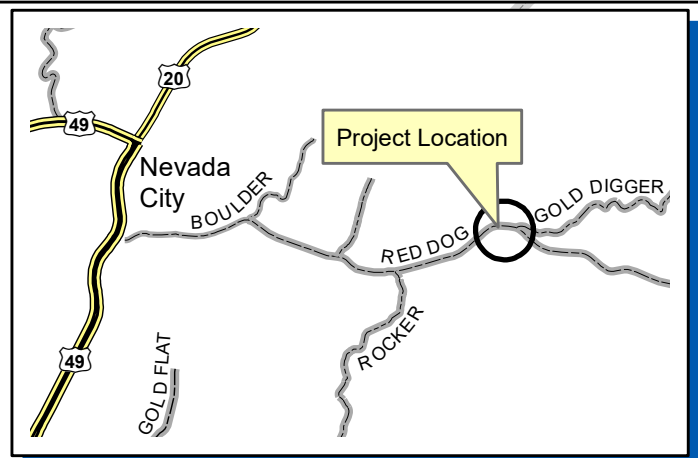
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			80,000					80,000
								0
								0
<b>Total:</b>	0	0	80,000	0	0	0	0	80,000

**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project:  D/S Canal Shotgun Culverts at Red Dog Rd.  Project No.:  2602

Criteria #	Scoring	Project
<b>1. Capital Costs</b>	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	5
<b>2. Annual Operation and Maintenance Costs</b>	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	6
<b>3. Increased Revenue Potential</b>	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
<b>4. Health and Safety</b>	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	8
<b>5. Environmental</b>	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
<b>6. Distributional or Hydro Generation Effects</b>	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	10
<b>7. Critical Infrastructure and Risk to Service Disruption</b>	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	2
<b>8. Board Strategic Plan/Goals</b>	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	5
<b>9. Certainty of Project Funding</b>	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
<b>10. New Capital Asset will have associated revenue that offsets maintenance costs</b>	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
<b>11. Improves and/or increases level of service</b>	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	6
Max Score: 100	Total Prioritization Score	57



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**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY -- PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

**D/S Canal Shotgun Culverts at Red Dog Road**









## 2022 Annual Budget

**Project Name:** North Day Road Pipeline **Project No.:** 2182

Dept. 10151-Engineering Program: 52907-Pipeline Replacement Priority Ranking: 55

Facility: E. George System Facility #: 10313 Division #: Div 2

Project Manager: Adrian Schneider Constructed by: To be determined

New Construction: \_\_\_\_\_ Replacement:  Upgrades: \_\_\_\_\_ Multiple Phases: \_\_\_\_\_

CEQA: Exemption Permits: Cal Trans ROW: 20 (Approx.)

**Project Purpose:** (Problem Statement)

Existing pipeline has exceeded its life expectancy and is deteriorated. Pipeline runs inside of property lines and against large trees. Mainline has been broken from roots, and from property owners working on the property.

**Project Description:** (Proposed Solution)

Replace approximately 3,790 LF of A.C. Pipeline with 8-inch pipe within existing roadway.

**Basis for Priority:**

Pipeline has leaks and needs to be replaced

**Project Financial Summary:**

Project Estimate: 950,000 Total Spent to Date: \_\_\_\_\_ Current Year Budget: \_\_\_\_\_

Anticipated Expenses to End of Year: \_\_\_\_\_ Amount Remaining in Current Year Budget: \_\_\_\_\_

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA			20,000					20,000
Construction				870,000				870,000
Right of Way			60,000					60,000
Other:								0
<b>Total:</b>	0	0	80,000	870,000	0	0	0	950,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			80,000	870,000				950,000
								0
								0
<b>Total:</b>	0	0	80,000	870,000	0	0	0	950,000

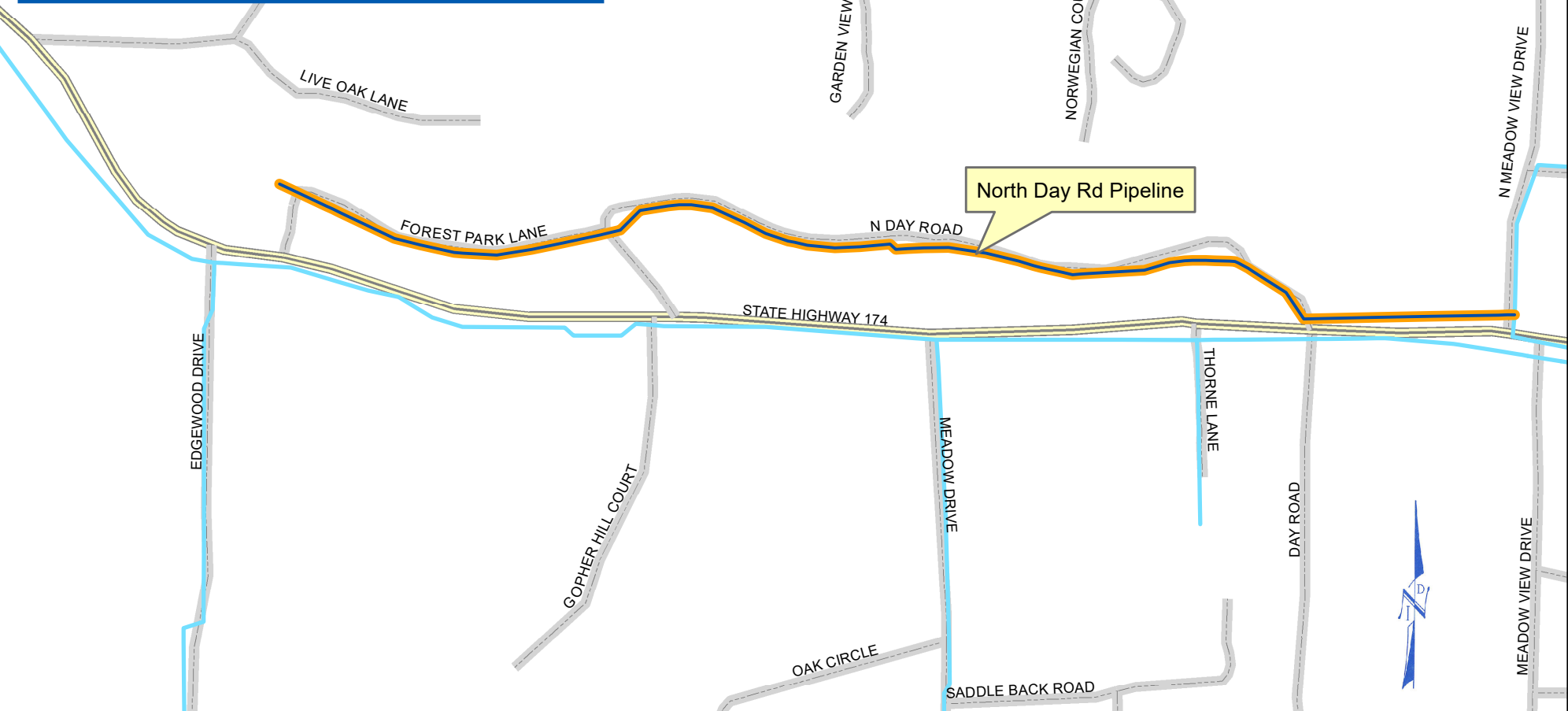
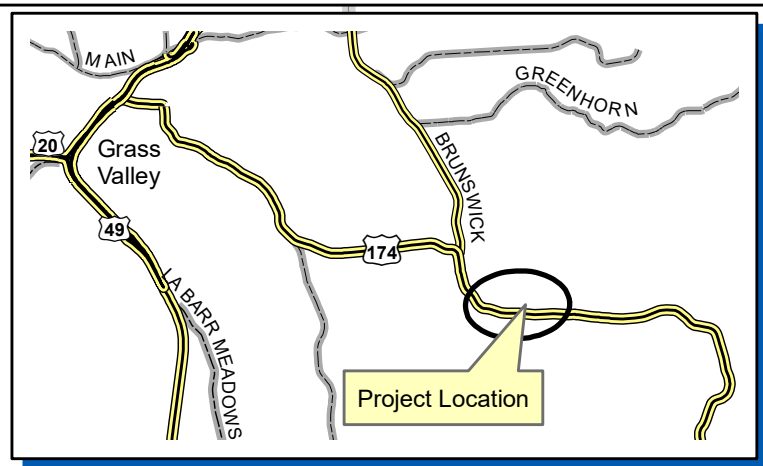
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: North Day Road Pipeline Project No.: 2182

Criteria #	Scoring	Project
<b>1. Capital Costs</b>	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	5
<b>2. Annual Operation and Maintenance Costs</b>	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	6
<b>3. Increased Revenue Potential</b>	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
<b>4. Health and Safety</b>	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	7
<b>5. Environmental</b>	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
<b>6. Distributional or Hydro Generation Effects</b>	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
<b>7. Critical Infrastructure and Risk to Service Disruption</b>	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	4
<b>8. Board Strategic Plan/Goals</b>	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
<b>9. Certainty of Project Funding</b>	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
<b>10. New Capital Asset will have associated revenue that offsets maintenance costs</b>	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
<b>11. Improves and/or increases level of service</b>	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	6
Max Score: 100		Total Prioritization Score
		55

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**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

**NORTH DAY ROAD PIPELINE**

31

Drawn By: D. HUNT

Date: 9/10/2021

Scale: NO SCALE

Sheet: 1 of 1









## 2022 Annual Budget

**Project Name:** Pet Hill Extension **Project No.:** 2373

Dept. 10151-Engineering Program: 52910-Raw Water Priority Ranking: 52

Facility: Pet Hill Facility #: 10373 Division #: Div 5

Project Manager: Tonia Tabucchi Herrera Constructed by: To be determined

New Construction: Replacement:  Upgrades:  Multiple Phases:

CEQA: Exemption Permits: \_\_\_\_\_ ROW: \_\_\_\_\_

**Project Purpose:** (Problem Statement)

4" pipe maxed out at head (Moratorium) -- culvert and rubber lined sections limit flow as well potential overtopping. Section of canal from head of canal to Indian Springs Road.

**Project Description:** (Proposed Solution)

Replace undersized head gate and pipe. Improve section of the canal most likely with encasement, to be determined. Overall section of canal approximately 800 ft. If full encasement is warranted, then an IS/MND would most likely be required.

**Basis for Priority:**

**Project Financial Summary:**

Project Estimate: 120,000 Total Spent to Date: \_\_\_\_\_ Current Year Budget: \_\_\_\_\_

Anticipated Expenses to End of Year: \_\_\_\_\_ Amount Remaining in Current Year Budget: \_\_\_\_\_

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			120,000					120,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	120,000	0	0	0	0	120,000

**Funding Sources**

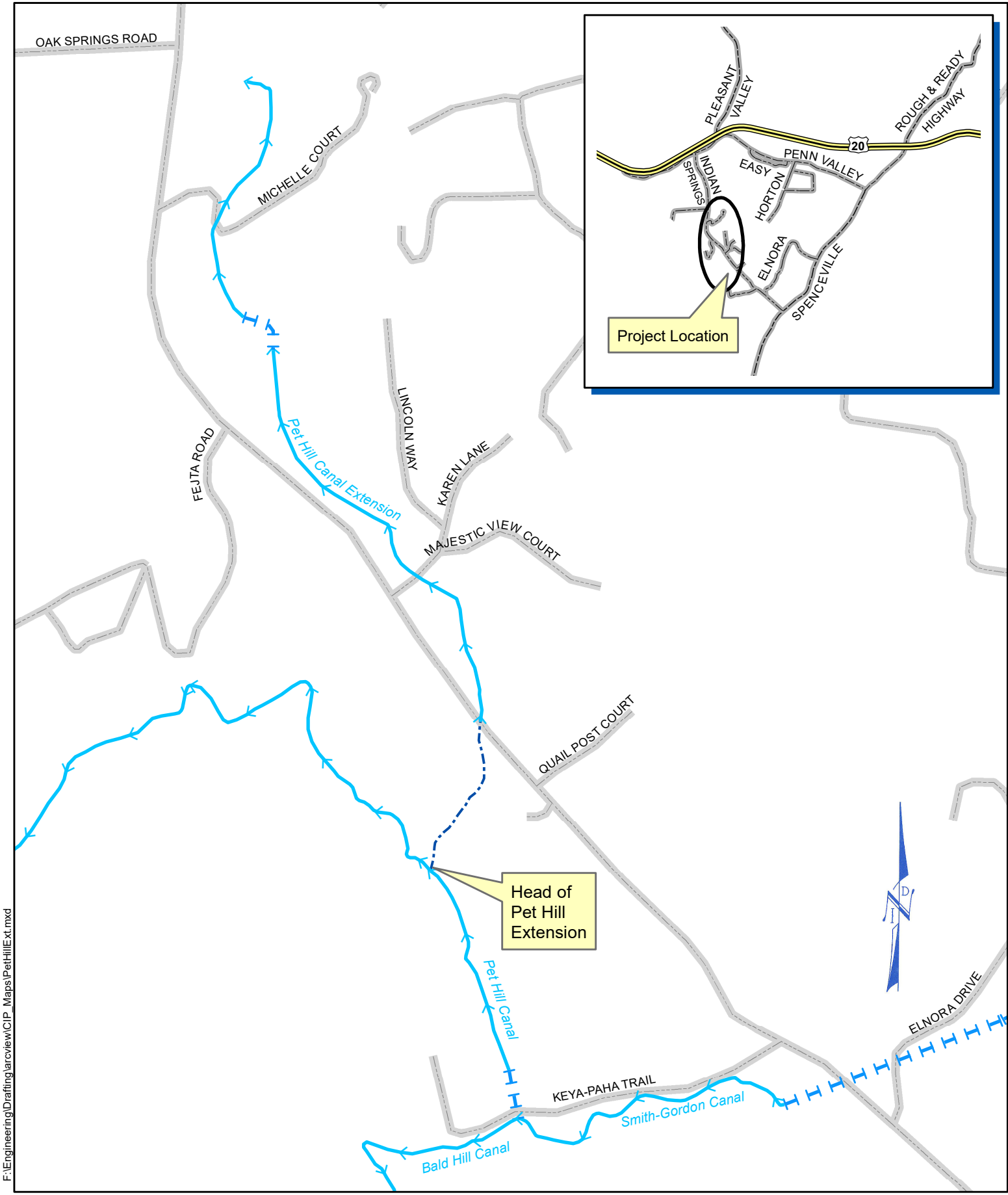
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			120,000					120,000
								0
								0
<b>Total:</b>	0	0	120,000	0	0	0	0	120,000

**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project:                     Pet Hill Extension                     Project No.:           2373          

Criteria #	Scoring	Project
<b>1. Capital Costs</b>	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	5
<b>2. Annual Operation and Maintenance Costs</b>	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	5
<b>3. Increased Revenue Potential</b>	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	7
<b>4. Health and Safety</b>	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
<b>5. Environmental</b>	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
<b>6. Distributional or Hydro Generation Effects</b>	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
<b>7. Critical Infrastructure and Risk to Service Disruption</b>	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	1
<b>8. Board Strategic Plan/Goals</b>	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	5
<b>9. Certainty of Project Funding</b>	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
<b>10. New Capital Asset will have associated revenue that offsets maintenance costs</b>	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	3
<b>11. Improves and/or increases level of service</b>	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	6
Max Score: 100	Total Prioritization Score	52



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# PET HILL EXTENSION



Date: 9/10/2021  
 Drawn By: D. HUNT

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY -- PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1





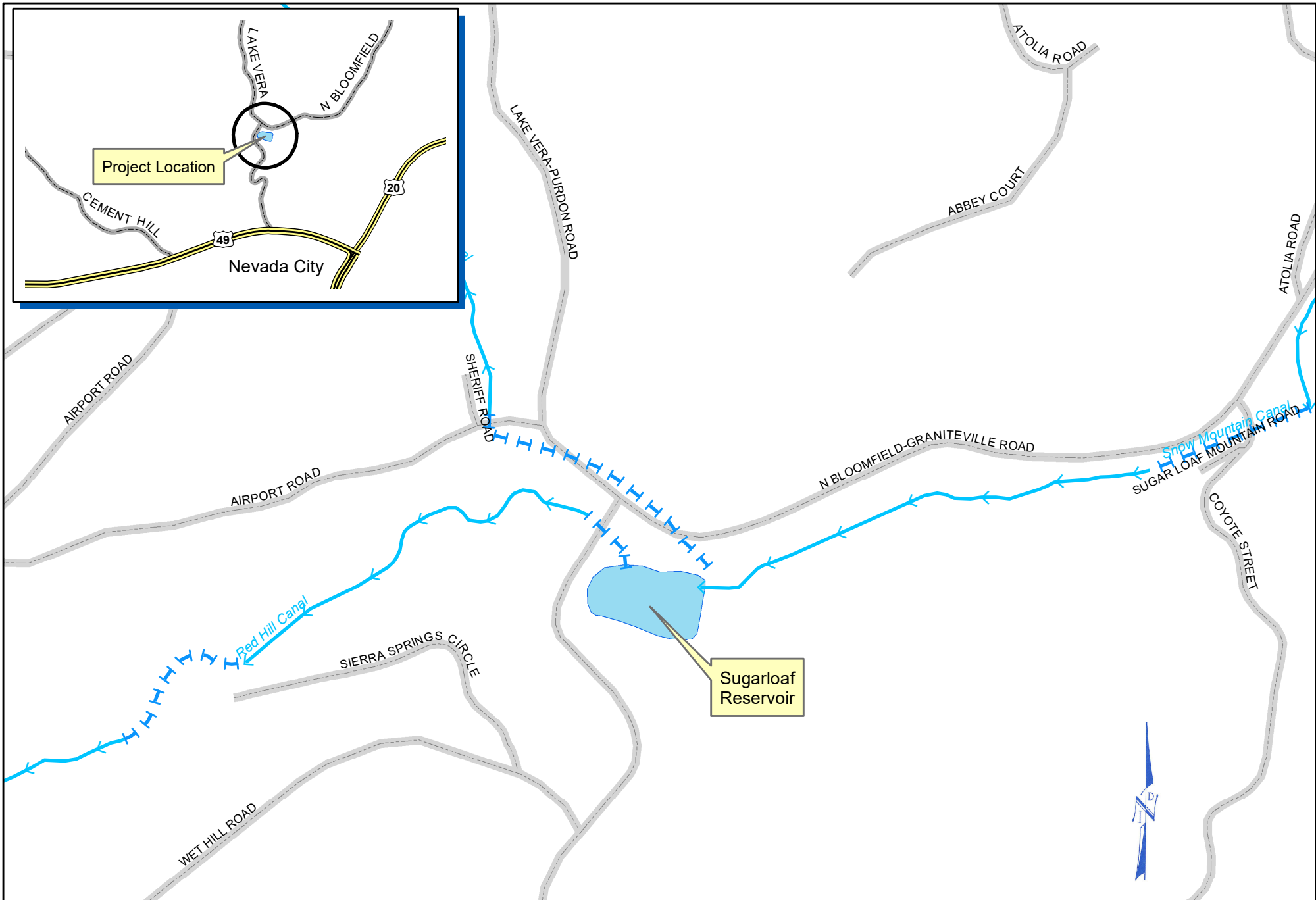




## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project:                     Sugarloaf Reservoir                     Project No.:           2550          

Criteria #	Scoring	Project
<b>1. Capital Costs</b>	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8
<b>2. Annual Operation and Maintenance Costs</b>	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	8
<b>3. Increased Revenue Potential</b>	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
<b>4. Health and Safety</b>	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	8
<b>5. Environmental</b>	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	3
<b>6. Distributional or Hydro Generation Effects</b>	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	0
<b>7. Critical Infrastructure and Risk to Service Disruption</b>	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	1
<b>8. Board Strategic Plan/Goals</b>	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
<b>9. Certainty of Project Funding</b>	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
<b>10. New Capital Asset will have associated revenue that offsets maintenance costs</b>	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
<b>11. Improves and/or increases level of service</b>	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100	Total Prioritization Score	50



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**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

**SUGARLOAF RESERVOIR**

39

Drawn By: D. HUNT

Date: 9/10/2021

Scale: NO SCALE

Sheet: 1 of 1



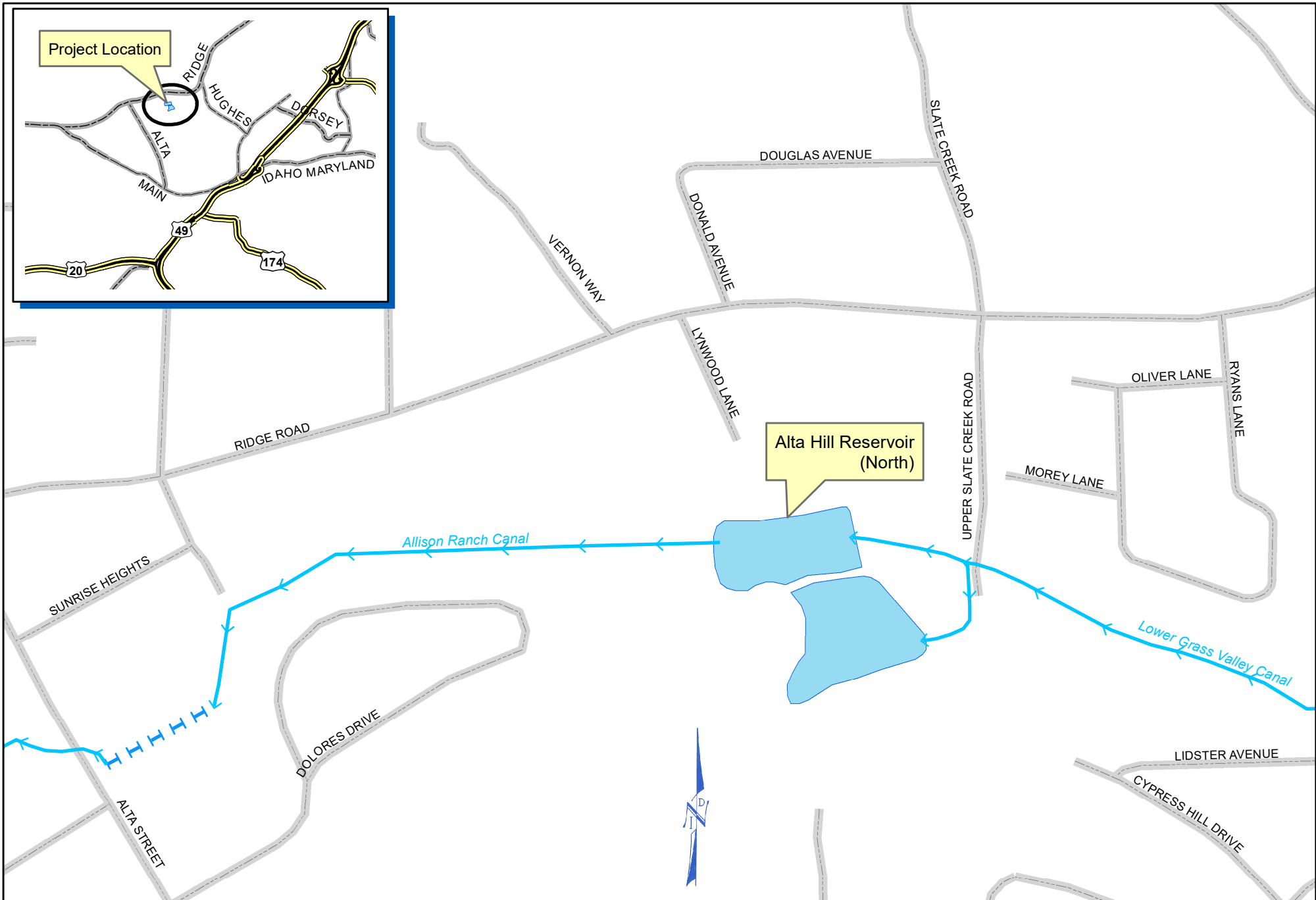




## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Alta Hill Reservoir Project No.: 2604

Criteria #	Scoring	Project
<b>1. Capital Costs</b>	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	8
<b>2. Annual Operation and Maintenance Costs</b>	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	8
<b>3. Increased Revenue Potential</b>	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
<b>4. Health and Safety</b>	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
<b>5. Environmental</b>	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	4
<b>6. Distributional or Hydro Generation Effects</b>	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	1
<b>7. Critical Infrastructure and Risk to Service Disruption</b>	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	1
<b>8. Board Strategic Plan/Goals</b>	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
<b>9. Certainty of Project Funding</b>	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
<b>10. New Capital Asset will have associated revenue that offsets maintenance costs</b>	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
<b>11. Improves and/or increases level of service</b>	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100	Total Prioritization Score	49



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**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

**ALTA HILL RESERVOIR (North)**

43

Drawn By: D. HUNT

Date: 9/10/2021

Scale: NO SCALE

Sheet: 1 of 1









## 2022 Annual Budget

**Project Name:** 5 Yard Dump Truck **Project No.:** \_\_\_\_\_

Dept. 10191-Maintenance Program: 52902 Vehicle Purchase On Rd Priority Ranking: 53

Facility: \_\_\_\_\_ Facility #: \_\_\_\_\_ Division #: \_\_\_\_\_

Project Manager: Chip Close Constructed by: Contractor

New Construction: \_\_\_\_\_ Replacement:  Upgrades: \_\_\_\_\_ Multiple Phases: \_\_\_\_\_

CEQA: Exemption Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)

California Air Resources Control Board (CARB) has mandated that NID meet the updated pollution standards for its on road diesel equipment. The two existing 5 yard dump trucks do not meet the CARB Standards.

**Project Description:** (Proposed Solution)

This expenditure proposes a replacement of both dump trucks.

**Basis for Priority:**

The 5 yard dump truck is an necessary asset for the ongoing maintenance of the districts canal and treated water system. Its smaller size allows access in areas the larger trucks cannot fit.

**Project Financial Summary:**

Project Estimate: 320,000 Total Spent to Date: 0 Current Year Budget: 0

Anticipated Expenses to End of Year: 0 Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction								0
Right of Way								0
Other:			320,000					320,000
<b>Total:</b>	0	0	320,000	0	0	0	0	320,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
52902			320,000					320,000
								0
								0
<b>Total:</b>	0	0	320,000	0	0	0	0	320,000

**Notes:**



## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: 5 Yard Dump Truck Project No.:                     

Criteria #	Scoring	Project
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	5
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	5
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	10
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	0
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	8
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associated revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100		Total Prioritization Score  53



## 2022 Annual Budget

**Project Name: Loader Replacement Project No.: \_\_\_\_\_**

Dept. 10191-Maintenance Program: 52904 Equipment Purchase Priority Ranking: 52

Facility: \_\_\_\_\_ Facility #: \_\_\_\_\_ Division #: \_\_\_\_\_

Project Manager: Chip Close Constructed by: Contractor

New Construction: \_\_\_\_\_ Replacement:  Upgrades: \_\_\_\_\_ Multiple Phases: \_\_\_\_\_

CEQA: Exemption Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)

California Air Resources Control Board (CARB) has mandated that NID meet the updated pollution standards for off-road diesel equipment. The existing loader is 30 + years old and utilizes much of the Districts discharge credits.

**Project Description:** (Proposed Solution)

This expenditure proposes a replacement of the loader with a new CARB compliant unit and keep the NID under the off-road pollution threshold.

**Basis for Priority:**

The loader is high priority piece of equipment utilized at NID headquarters and large job sites for loading materials moving debris.

**Project Financial Summary:**

Project Estimate: 250,000 Total Spent to Date: 0 Current Year Budget: 0

Anticipated Expenses to End of Year: 0 Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction								0
Right of Way								0
Other:			250,000					250,000
<b>Total:</b>	0	0	250,000	0	0	0	0	250,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
52904			250,000					250,000
								0
								0
<b>Total:</b>	0	0	250,000	0	0	0	0	250,000

**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Loader Replacement Project No.: \_\_\_\_\_

Criteria #	Scoring	Project
1. Capital Costs	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	5
2. Annual Operation and Maintenance Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	6
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	6
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	10
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	0
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	5
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associated revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100		Total Prioritization Score  52



## 2022 Annual Budget

**Project Name:** Water Storage Tank Restoration **Project No.:** \_\_\_\_\_

Dept. 10191-Maintenance Program: 52940 Tank Restoration Priority Ranking: 71

Facility: \_\_\_\_\_ Facility #: \_\_\_\_\_ Division #: \_\_\_\_\_

Project Manager: Chip Close Constructed by: Contractor

New Construction: \_\_\_\_\_ Replacement:  Upgrades: \_\_\_\_\_ Multiple Phases: \_\_\_\_\_

CEQA: Exemption Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)

NID owns and operates 44 treated water storage tanks. The tanks are inspected every 5 years and re-coated as necessary. This normally leads to 2 tank paintings a year. Failure to re-coat tanks in a timely fashion will lead to rust, and a potential for a loss of structural integrity.

**Project Description:** (Proposed Solution)

The capital funding available in 52940 will support the sand blasting and re-coating of two medium sized tanks.

**Basis for Priority:**

Treated water supply with public health and safety affects

**Project Financial Summary:**

Project Estimate: 400,000 Total Spent to Date: \_\_\_\_\_ Current Year Budget: \_\_\_\_\_

Anticipated Expenses to End of Year: \_\_\_\_\_ Amount Remaining in Current Year Budget: \_\_\_\_\_

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			400,000					400,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	400,000	0	0	0	0	400,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
52940			400,000					400,000
								0
								0
<b>Total:</b>	0	0	400,000	0	0	0	0	400,000

**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Water Storage Tank Restoration Project No.: \_\_\_\_\_

Criteria #	Scoring	Project
<b>1. Capital Costs</b>	10 Points - Lower Future Capital Costs 5 Points - No Impact 0 Points - Higher Future Capital Costs	10
<b>2. Annual Operation and Maintenance Costs</b>	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	5
<b>3. Increased Revenue Potential</b>	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
<b>4. Health and Safety</b>	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	10
<b>5. Environmental</b>	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
<b>6. Distributional or Hydro Generation Effects</b>	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	10
<b>7. Critical Infrastructure and Risk to Service Disruption</b>	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	9
<b>8. Board Strategic Plan/Goals</b>	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
<b>9. Certainty of Project Funding</b>	5 Points - Funded by Existing Revenue Source  2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
<b>10. New Capital Asset will have associated revenue that offsets maintenance costs</b>	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
<b>11. Improves and/or increases level of service</b>	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score: 100		Total Prioritization Score 71













## 2022 Annual Budget

**Project Name:** Cascade Pipe Intake Screen **Project No.:** \_\_\_\_\_

Dept. 10171-Operations Program: 52904 Equipment Purchase Priority Ranking: 68

Facility: Cascade Pipeline Facility #: \_\_\_\_\_ Division #: Div 1

Project Manager: Chip Close Constructed by: Contractor

New Construction: \_\_\_\_\_ Replacement:  Upgrades: \_\_\_\_\_ Multiple Phases: \_\_\_\_\_

CEQA: Exemption Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)

The Cascade Pipeline intake screen has worn through the wear plates and is at risk of breaking. Failure of this screen will allow debris to enter the pipe and plug the sleeve valves at the Loma Rica Reservoir.

**Project Description:** (Proposed Solution)

The project entails a full replacement of both screens and guides.

**Basis for Priority:**

This is the main water supply infrastructure for much of the treated and raw water for Nevada County

**Project Financial Summary:**

Project Estimate: 120,000 Total Spent to Date: 0 Current Year Budget: \_\_\_\_\_

Anticipated Expenses to End of Year: 0 Amount Remaining in Current Year Budget: \_\_\_\_\_

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction		60,000	60,000					120,000
Right of Way								0
Other:								0
<b>Total:</b>	0	60,000	60,000	0	0	0	0	120,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
52904		60,000	60,000					120,000
								0
								0
<b>Total:</b>	0	60,000	60,000	0	0	0	0	120,000

**Notes:**





## 2022 Annual Budget

**Project Name:** Chemical Storage Tanks **Project No.:** \_\_\_\_\_

Dept. 10171-Operations Program: 52930 Chemical Tanks Priority Ranking: 64

Facility: \_\_\_\_\_ Facility #: \_\_\_\_\_ Division #: \_\_\_\_\_

Project Manager: Chip Close Constructed by: Contractor

New Construction:  Replacement: \_\_\_\_\_ Upgrades: \_\_\_\_\_ Multiple Phases: N/A

CEQA: Exemption Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)

The chemical storage tanks at the water treatment plants have a short life expectancy of rough 10 to 15 years. As such, redundancy is needed to allow for repairs and replacement when a tank leaks. This project would allow for the acquisition of a back up tank.

**Project Description:** (Proposed Solution)

Purchase of a redundant chemical storage tank in the event of a failure of one of the 20+ online tanks.

**Basis for Priority:**

A lack of redundant chemical storage tanks could lead to drinking water supply interruptions to District customers and is a public health and safety concern.

**Project Financial Summary:**

Project Estimate: 48,000 Total Spent to Date: 0 Current Year Budget: 0

Anticipated Expenses to End of Year: 0 Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			48,000					48,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	48,000	0	0	0	0	48,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
52930			48,000					48,000
								0
								0
<b>Total:</b>	0	0	48,000	0	0	0	0	48,000

**Notes:**







## 2022 Annual Budget

**Project Name: Recreation: Store and Marina Roof Replacement**      **Project No.: N/A**

Dept. 30250-REC      Program: 52915 – Non-Programmatic      Priority Ranking: 49

Facility: SF, LV, Peninsular Campgrounds      Facility #: 30256/57/53      Division #: N/A  
 Project Manager: Monica Reyes      Constructed by: NID

New Construction:      Replacement:       Upgrades:      Multiple Phases:

CEQA: N/A      Permits: N/A      ROW: N/A

**Project Purpose:** (Problem Statement)

Replace the old and damaged roofs to the campground stores/marinas that are currently leaking and missing shingles from past winter events.

**Project Description:** (Proposed Solution)

Purchase and install proper roofing at the campground stores and marinas.

**Basis for Priority:**

Health and safety. Operational efficiency.

**Project Financial Summary:**

Project Estimate: \$60,000      Total Spent to Date: 0      Current Year Budget: 0

Anticipated Expenses to End of Year: 0      Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			\$60,000					\$60,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$60,000	0	0	0	0	\$60,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
30250-52915			\$60,000					\$60,000
								0
								0
<b>Total:</b>	0	0	\$60,000	0	0	0	0	\$0

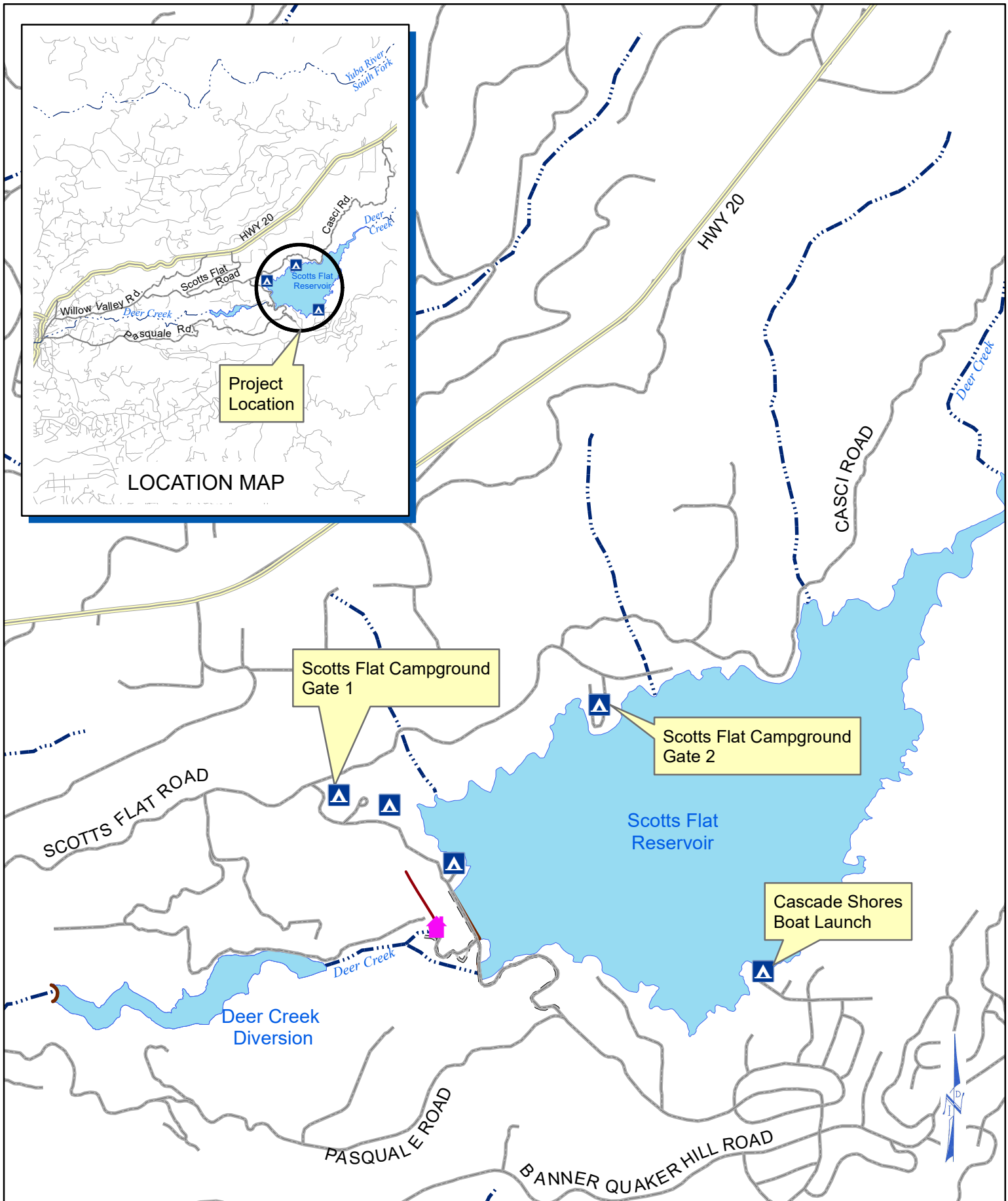
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Recreation: Store and Marina Roof Replacement

Project No.: N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	5
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	7
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	6
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	0
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	0
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	6
Max Score:100		Total Prioritization Score:49



## SCOTTS FLAT CAMPGROUNDS



Date: 9/28/2021

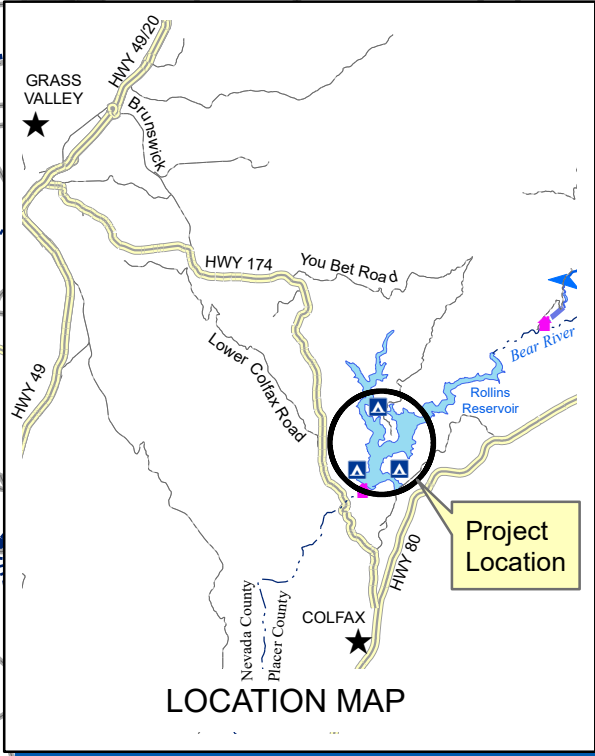
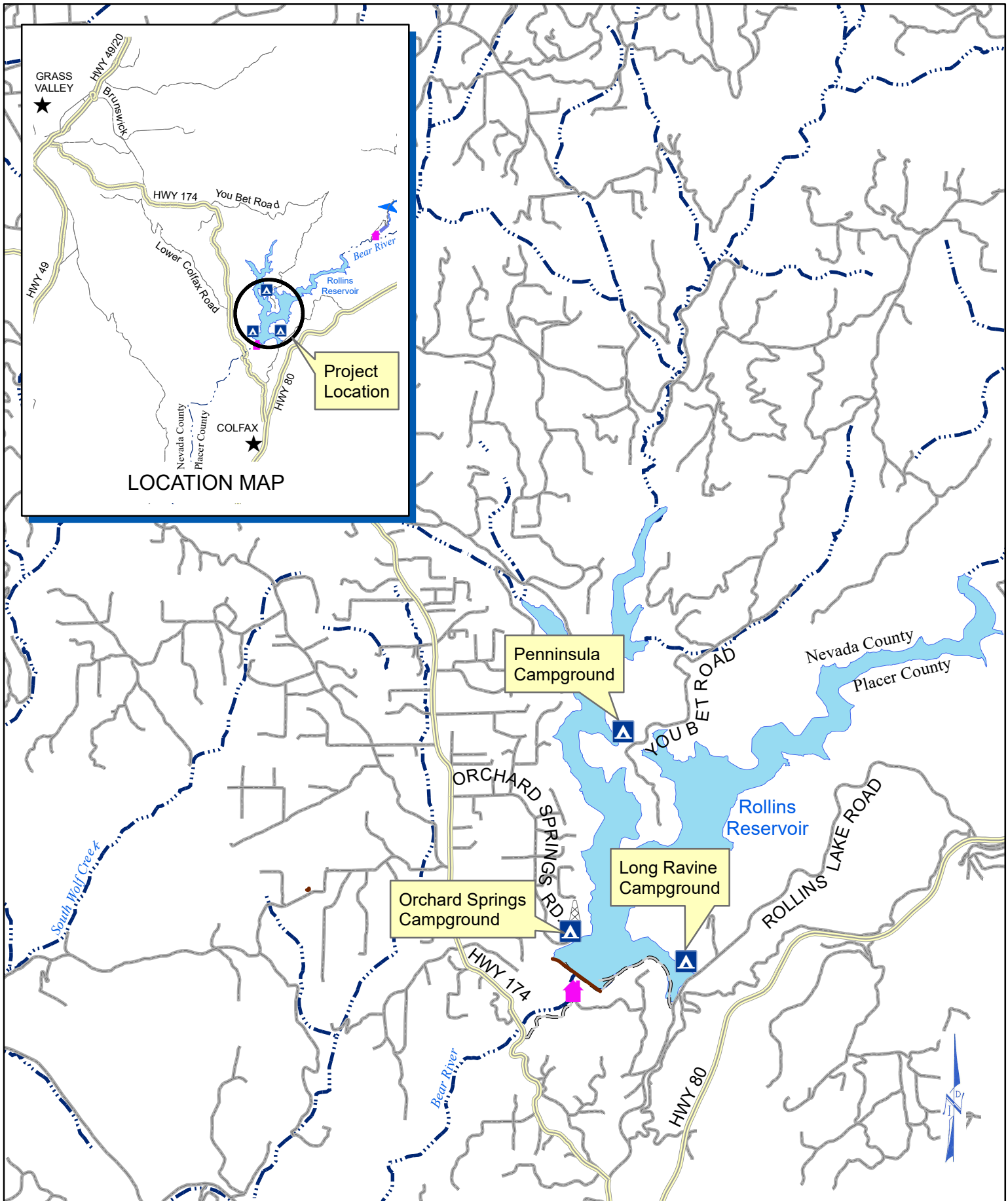
Drawn By: NID

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1



## ROLLINS CAMPGROUNDS



Date: 9/28/2021

Drawn By: NID

**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1







## 2022 Annual Budget

**Project Name: Recreation: Road and Campsite Pad Restoration**

**Project No.: N/A**

Dept. 30250-REC

Program: 52915

Priority Ranking: 41

Facility: Rollins and Scotts Flat Campgrounds Facility #: 30252/53/56/57

Division #: N/A

Project Manager: Monica Reyes

Constructed by: NID

New Construction:

Replacement:

Upgrades:

Multiple Phases:

CEQA: N/A

Permits: N/A

ROW: N/A

**Project Purpose:** (Problem Statement)

Asphalt needs repair due to old age causing cracking and breaking. Site pads need serious attention as the asphalt is completely gone and/or uneven throughout the entire campground.

**Project Description:** (Proposed Solution)

Improve the campground roads and site pads that are old and deteriorating.

**Basis for Priority:**

Public safety. Facility access.

**Project Financial Summary:**

Project Estimate:200,000

Total Spent to Date:0

Current Year Budget:0

Anticipated Expenses to End of Year:0

Amount Remaining in Current Year Budget:0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$50,000	\$50,000	\$50,000	\$50,000	0	\$200,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
30250-52915			\$50,000	\$50,000	\$50,000	\$50,000		\$200,000
								0
								0
<b>Total:</b>	0	0	\$50,000	\$50,000	\$50,000	\$50,000	0	\$200,000

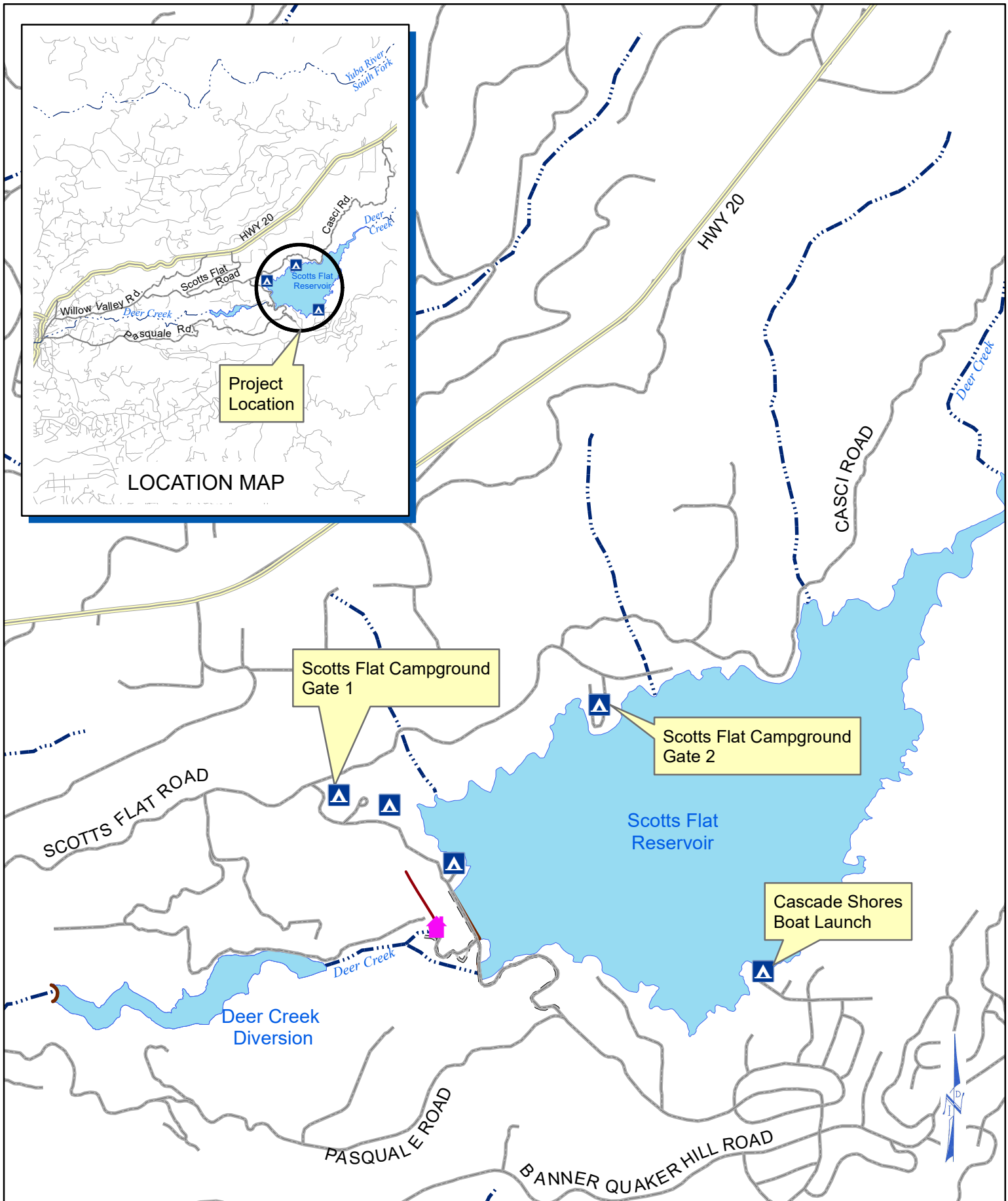
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Recreation: Road and Campsite Pad Restoration

Project No.: N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	5
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	5
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	6
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	0
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	0
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	0
Max Score:100		Total Prioritization Score:41



## SCOTTS FLAT CAMPGROUNDS



Date: 9/28/2021

Drawn By: NID

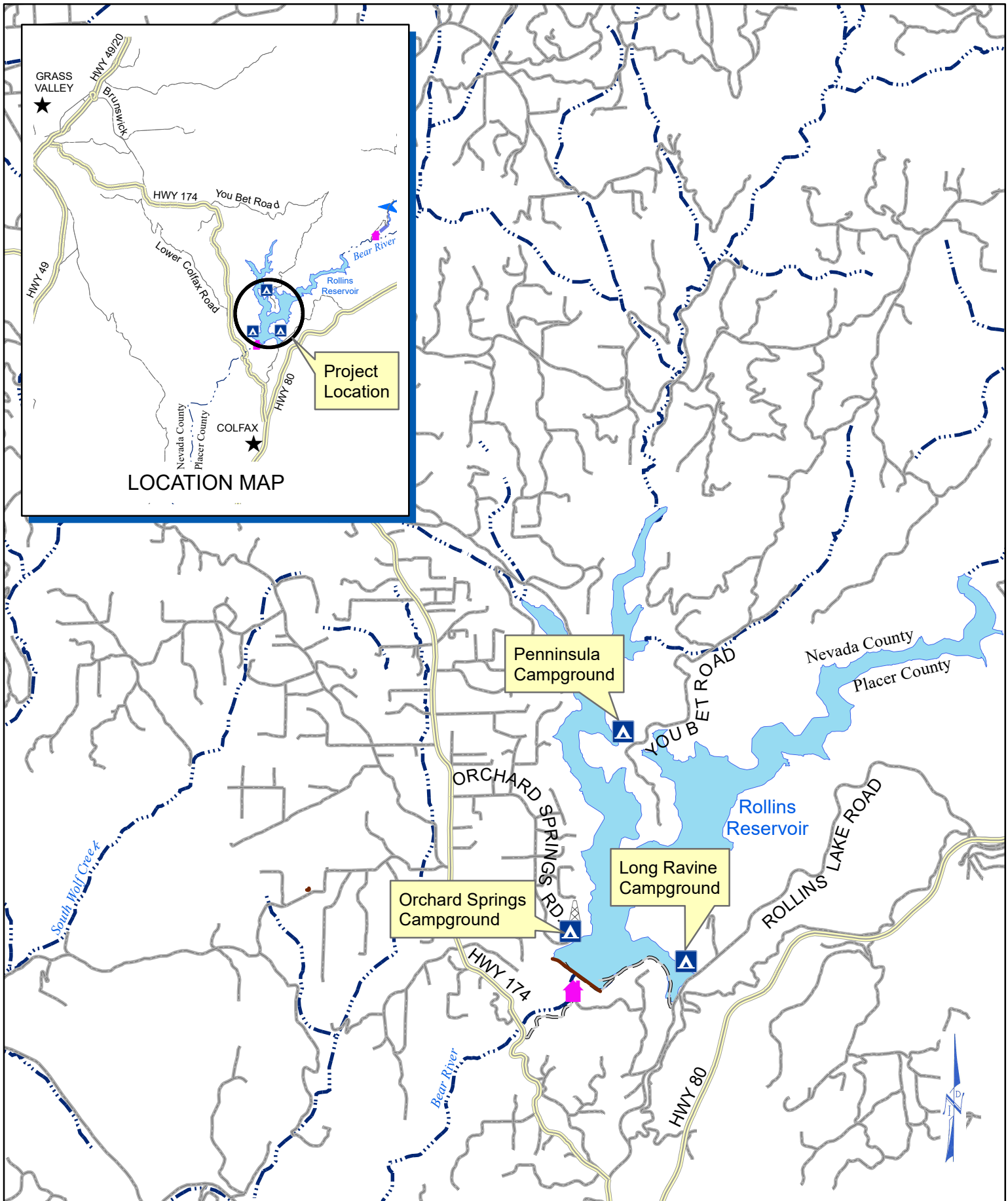
NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1





## ROLLINS CAMPGROUNDS



Date: 9/28/2021

Drawn By: NID

**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1







## 2022 Annual Budget

**Project Name: Recreation: Long Ravine Boat Ramp Upgrade**

**Project No.: N/A**

Dept. 30250-REC Program: 52915 – Non-Programmatic

Priority Ranking: 51

Facility: Long Ravine - Rollins Facility #: 30256

Division #: N/A

Project Manager: Monica Reyes Constructed by: NID

New Construction:                  Replacement:                  Upgrades:                   Multiple Phases:

CEQA: N/A                                  Permits: N/A                                  ROW: N/A

**Project Purpose:** (Problem Statement)

Upgrade an old and hazardous boat slip entry ramp that poses serious safety concerns for staff and boat slip renters as lake levels drop and the ramp becomes dangerously steep.

**Project Description:** (Proposed Solution)

Extending the boat slip ramp to decrease the steepness for a more level and safe entryway, especially during times of drought as the lake levels drop very low.

**Basis for Priority:**

Public safety. Facility access.

**Project Financial Summary:**

Project Estimate:\$40,000                  Total Spent to Date:0                  Current Year Budget:0

Anticipated Expenses to End of Year:0                  Amount Remaining in Current Year Budget:0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			\$40,000					\$40,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$40,000	0	0	0	0	\$40,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
30250-52915			\$40,000					\$40,000
								0
								0
<b>Total:</b>	0	0	\$40,000	0	0	0	0	\$40,000

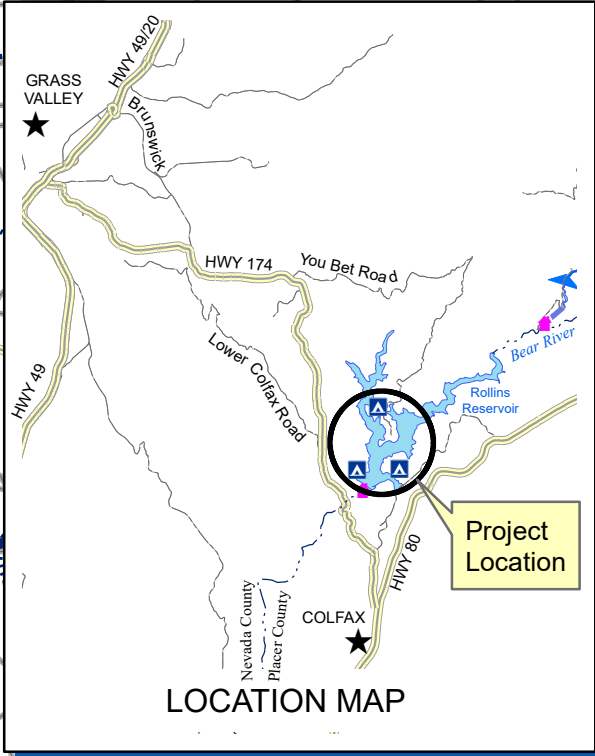
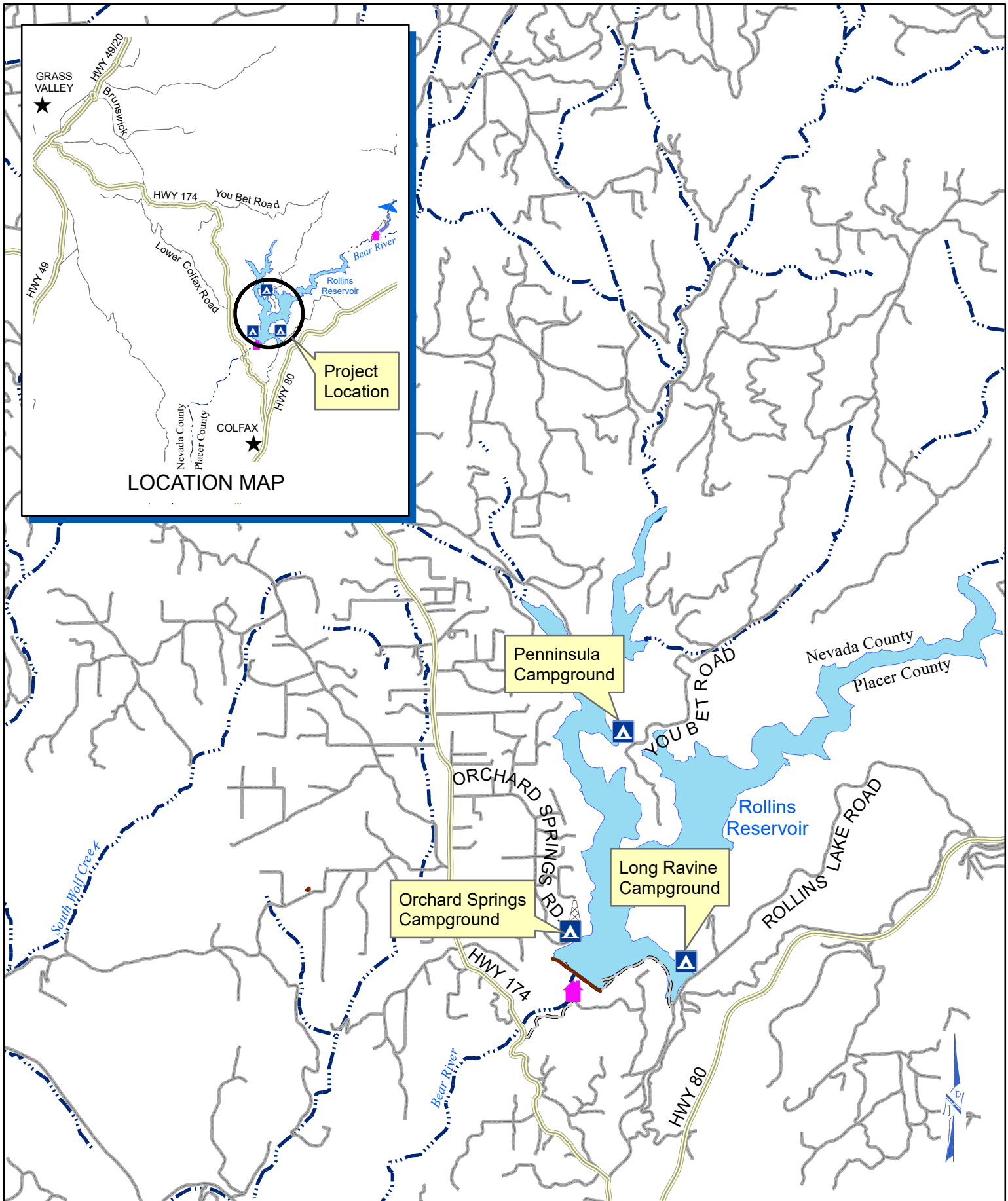
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Recreation: Long Ravine Boat Ramp Upgrade

Project No.: N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	6
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	6
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	9
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	0
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	0
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	10
Max Score:100		Total Prioritization Score:51



## ROLLINS CAMPGROUNDS



Date: 9/28/2021

Drawn By: NID

**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1









## 2022 Annual Budget

**Project Name: Chicago Park Powerhouse CAISO Meter**

**Project No.: N/A**

Dept. 50112 - Hydro Admin Program: 52904 – Equipment Purchase

Priority Ranking: 59

Facility: Chicago Park Powerhouse Facility #: 57300

Division #: N/A

Project Manager: Tina Konkle

Constructed by: CAISO Approved Contractor

New Construction:                      Replacement :                       Upgrades:                      Multiple Phases:

CEQA: N/A                                      Permits: N/A                                      ROW: N/A

**Project Purpose:** (Problem Statement)

Backup and Auxiliary revenue meters are reaching the end of their life cycle, no longer able to repair or update, and need replacement before they fail. (Main meter failed end of 2020 and was already replaced).

**Project Description:** (Proposed Solution)

Replace two existing CAISO revenue meters with new models.

**Basis for Priority:**

**These meters are required by CAISO and must be operable to avoid non-compliance and tariff penalties.**

**Project Financial Summary:**

Project Estimate: \$42,000                      Total Spent to Date: 0                      Current Year Budget: 0

Anticipated Expenses to End of Year:0                      Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies			\$30,000					\$30,000
Design/Engineering								0
Permitting/CEQA								0
Construction			\$12,000					\$12,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$42,000 0		0	0	0	\$42,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52904			\$42,000					\$42,000
								0
								0
<b>Total:</b>	0	0	\$42,000 0		0	0	0	\$42,000

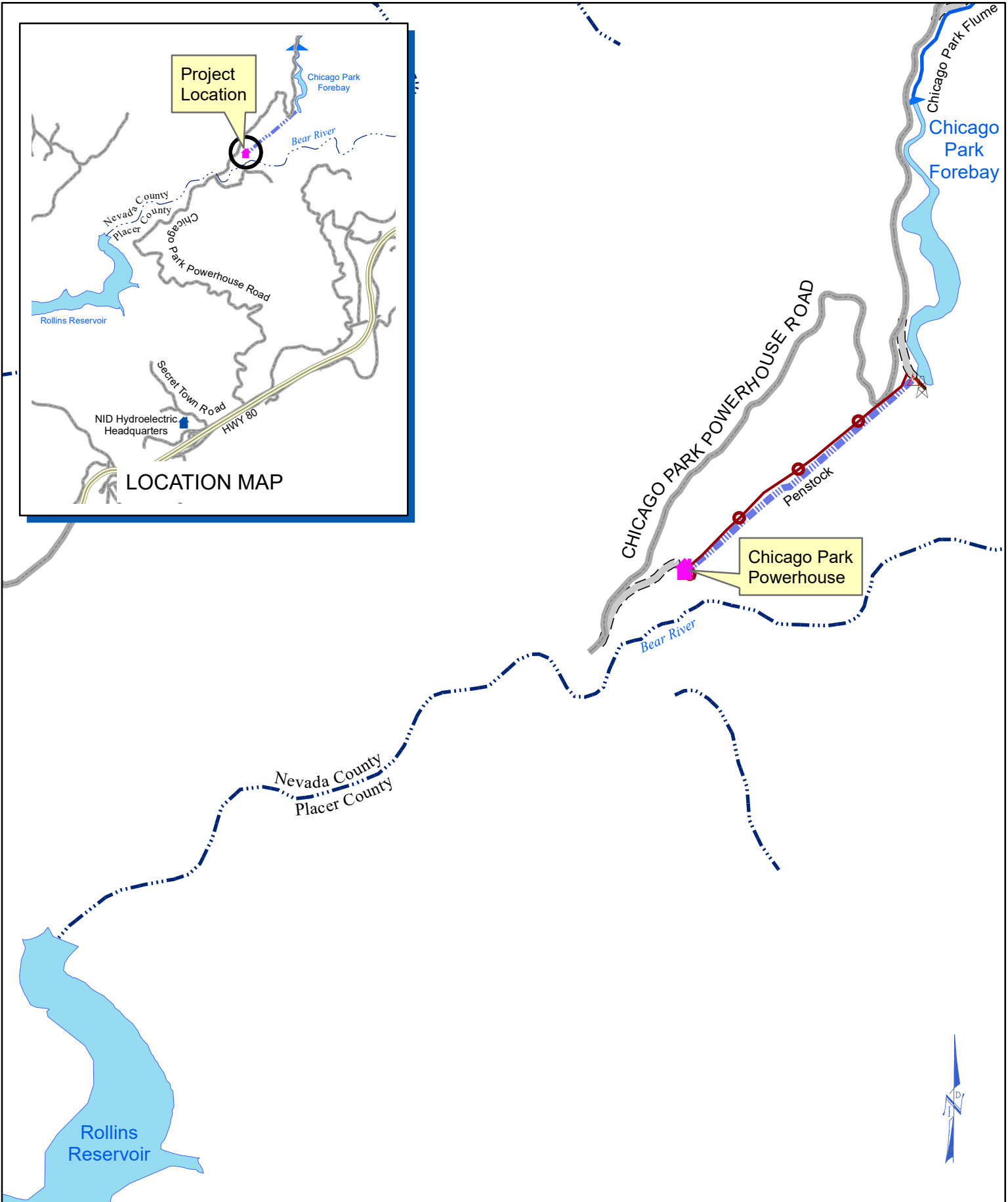
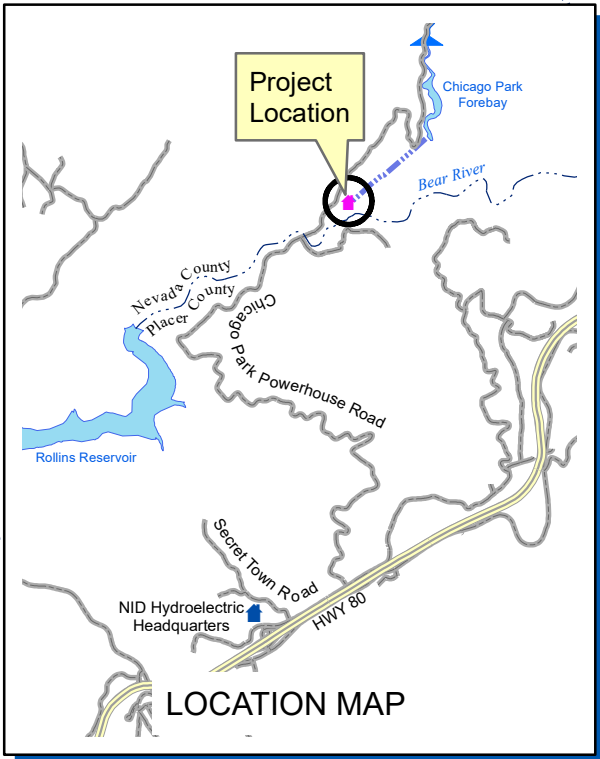
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Chicago Park Powerhouse CAISO Meter

Project No.:N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	6
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	6
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	7
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score: 59



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Date: 9/14/2021  
 Drawn By: NID

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY -- PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Fuller Lake - BSC 15KW Generator**

**Project No.: N/A**

Dept. 50167- Maintenance Program: 52904 – Equipment Purchase

Priority Ranking: 59

Facility: B-S Canal/Fuller Lake Facility #: 57202

Division #: N/A

Project Manager: Phil Nedved

Constructed by: Hydro Maintenance

New Construction:

Replacement:

Upgrades:

Multiple Phases:

CEQA: N/A

Permits: N/A

ROW: N/A

**Project Purpose:** (Problem Statement)

To replace the obsolete 20 year old generator for the Bowman-Spaulling Canal and traveling trash screen at Fuller Lake. The current generator has over 4,000 hours and has reached its expected life duty. Many replacement parts have become obsolete.

**Project Description:** (Proposed Solution)

Purchase and install a new 15 KW propane generator to supply a reliable source of power.

**Basis for Priority:**

Maintaining reliability for this generator and the only source of electricity is a priority to keep the traveling trash screen at the outlet of Fuller Lake clear of debris. This facility is in a remote mountain area with times of extreme snowfall and limited access. Maintaining outlet flows to the Bowman-Spaulling Canal during heavy rain on snow events is critical to minimize spillway flows at Fuller Lake.

**Project Financial Summary:**

Project Estimate:\$20,000

Total Spent to Date: 0

Current Year Budget: 0

Anticipated Expenses to End of Year:0

Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction								0
Right of Way								0
Other:			\$20,000					\$20,000
<b>Total:</b>	0	0	\$20,000	0	0	0	0	\$20,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50167-52904			\$20,000					\$20,000
								0
								0
<b>Total:</b>	0	0	\$20,000	0	0	0	0	\$20,000

**Notes:**

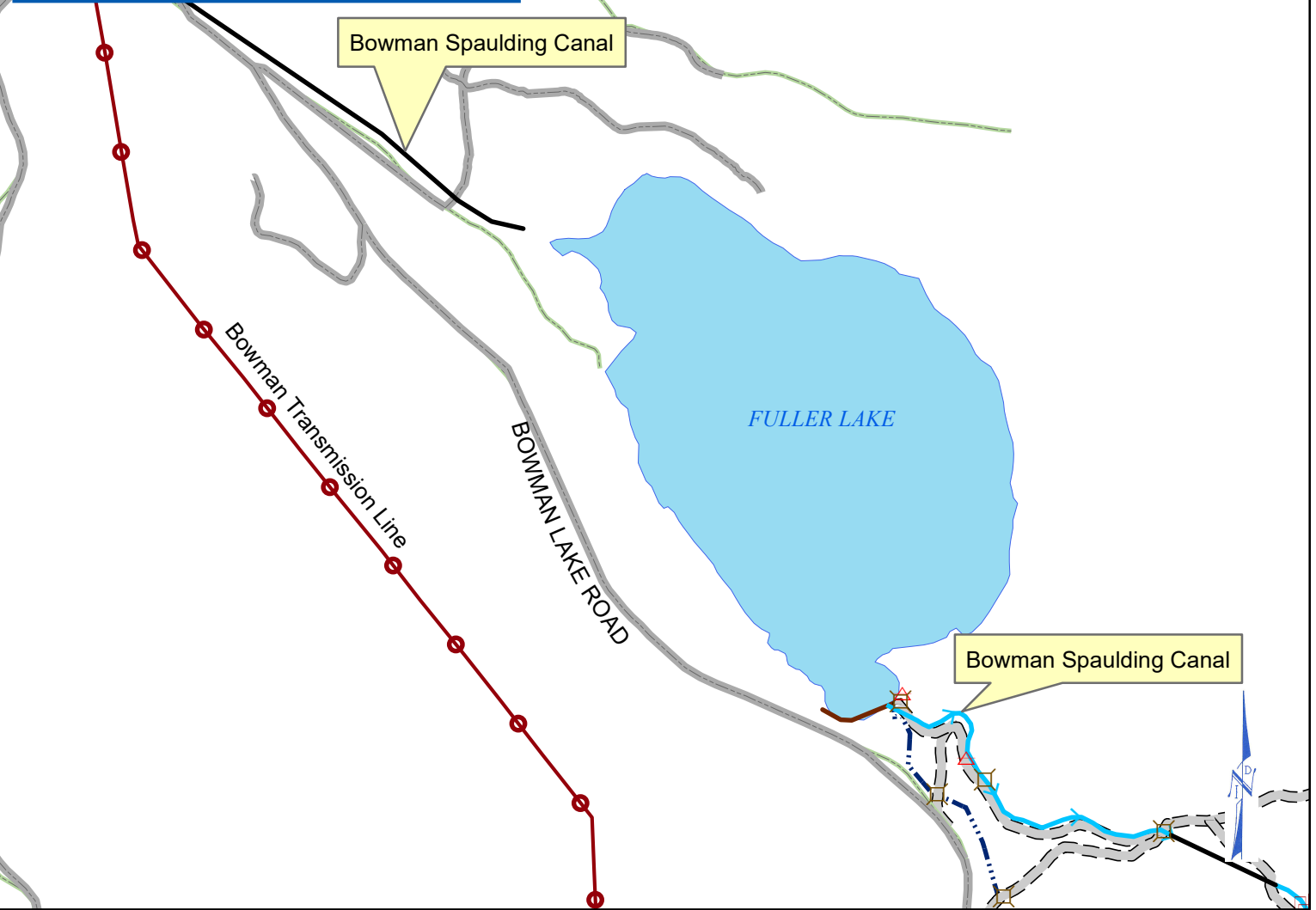
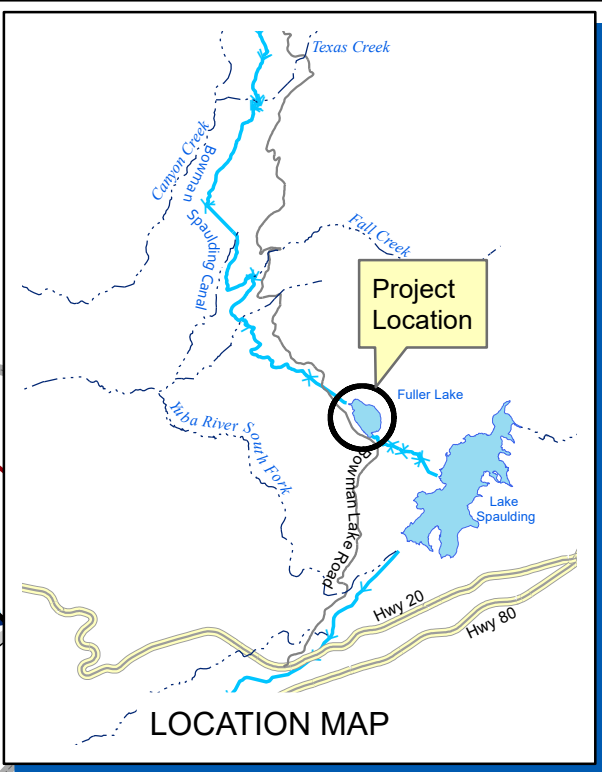


## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Fuller Lake - BSC 15KW Generator

Project No.: N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	7
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:59



FOREST SERVICE ROUTE 0018-006

**FULLER LAKE/BS CANAL**



Date: 9/28/2021  
 Drawn By: NID

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY -- PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: OTDR (Optical Time Domain Reflectometer)**

**Project No.: N/A**

Dept. 50167- Maintenance Program: 52904 – Equipment Purchase

Priority Ranking: 53

Facility: Hydro Headquarters Facility #: 57010

Division #: N/A

Project Manager: Phil Nedved

Constructed by: Hydro Maintenance

New Construction:

Replacement:

Upgrades:

Multiple Phases:

CEQA: N/A

Permits: N/A

ROW: N/A

**Project Purpose: (Problem Statement)**

Many recent upgrades have included communication through fiber links and more are planned for future communication projects. Staff does not have the equipment to certify fiber optic links and would need to rely on contractors to perform the work. Having the proper equipment would expedite repairs in emergency situations and also save costs from not having to use contractors with specialized equipment.

**Project Description: (Proposed Solution)**

Purchase the necessary equipment to have the ability to certify the performance of new fiber optic links and detect problems with existing links.

**Basis for Priority:**

Maintenance and operational efficiency

**Project Financial Summary:**

Project Estimate: \$20,000

Total Spent to Date: 0

Current Year Budget: 0

Anticipated Expenses to End of Year: 0

Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction								0
Right of Way								0
Other:			\$20,000					\$20,000
<b>Total:</b>	0	0	\$20,000	0	0	0	0	\$20,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50167-52904			\$20,000					\$20,000
								0
								0
<b>Total:</b>	0	0	\$20,000	0	0	0	0	\$20,000

**Notes:**

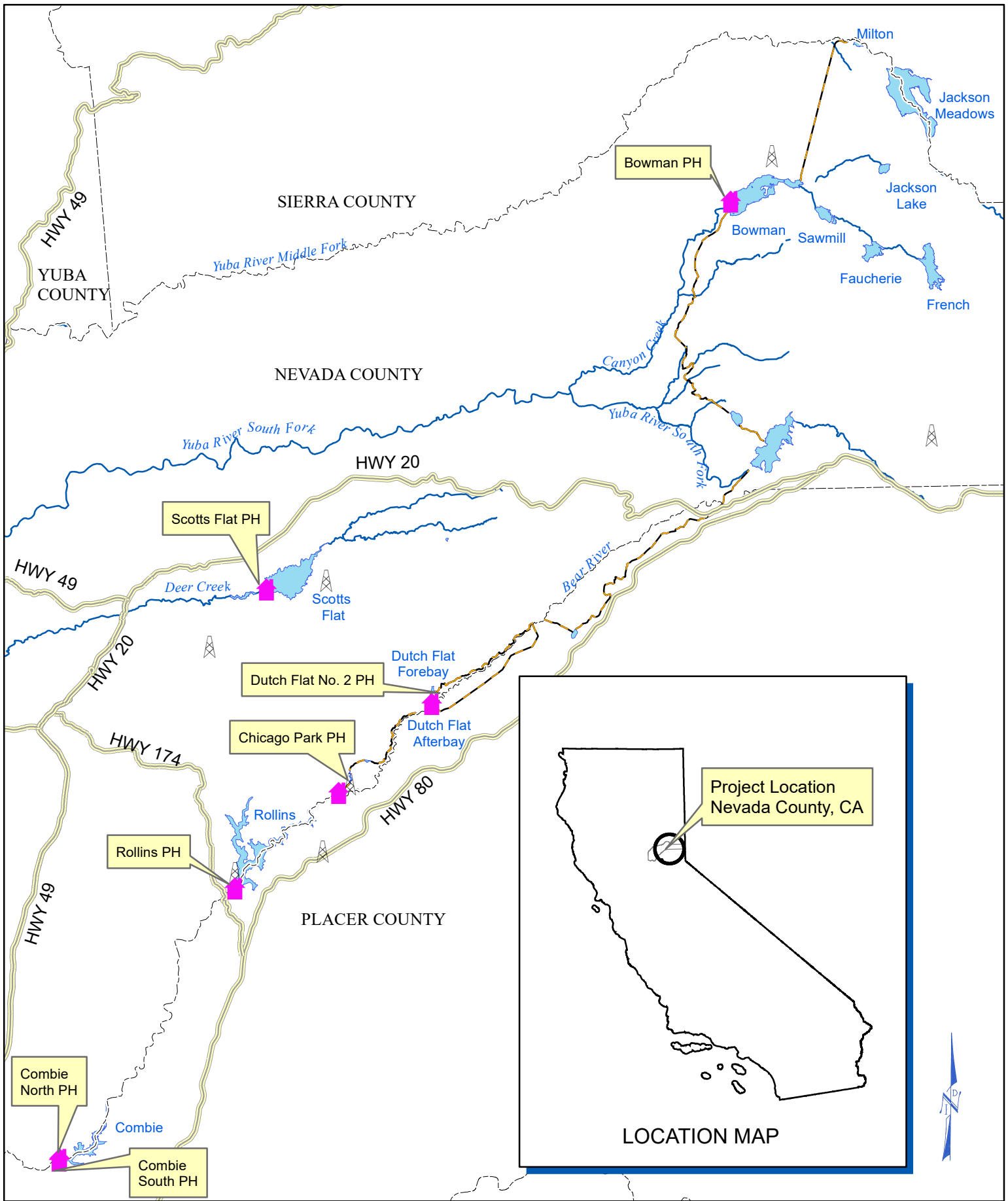
## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: OTDR (Optical Time Domain Reflectometer)

Project No.: N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	5
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	0
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	0
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	5
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:53





# SCADA SYSTEM UPGRADES



Date: 9/16/2021

Drawn By: NID

**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Spare Data Concentrator**

**Project No.: N/A**

Dept. 50167 - Maintenance Program: 52904 – Equipment Purchase

Priority Ranking: 55

Facility: Hydro Headquarters Facility #: 57010

Division #: N/A

Project Manager: Phil Nedved

Constructed by: Hydro Maintenance

New Construction:                  Replacement:                   Upgrades:                   Multiple Phases:

CEQA: N/A                                  Permits: N/A                                  ROW: N/A

**Project Purpose:** (Problem Statement)

NID has standardized on a data concentrators at Hydro Facilities and there are currently no spares in inventory in case of a failure. These concentrators are used for SCADA communications, remote terminal units, and critical monitoring functions of facilities.

**Project Description:** (Proposed Solution)

Purchase one spare data concentrator that will be utilized as a spare for multiple facilities and can also be used as a testing and training tool.

**Basis for Priority:**

If there was a failure of this component, there would not be a spare available for operation and monitoring of Hydro Generators. Lead time on a new component is several weeks and would extend down time while waiting for delivery of a spare.

**Project Financial Summary:**

Project Estimate: \$13,000                          Total Spent to Date: 0                          Current Year Budget: 0

Anticipated Expenses to End of Year: 0                          Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction								0
Right of Way								0
Other:			\$13,000					\$13,000
<b>Total:</b>	0		\$13,000 0	0	0	0	0	\$13,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50167-52904			\$13,000					\$13,000
								0
								0
<b>Total:</b>	0		\$13,000 0	0	0	0	0	\$13,000

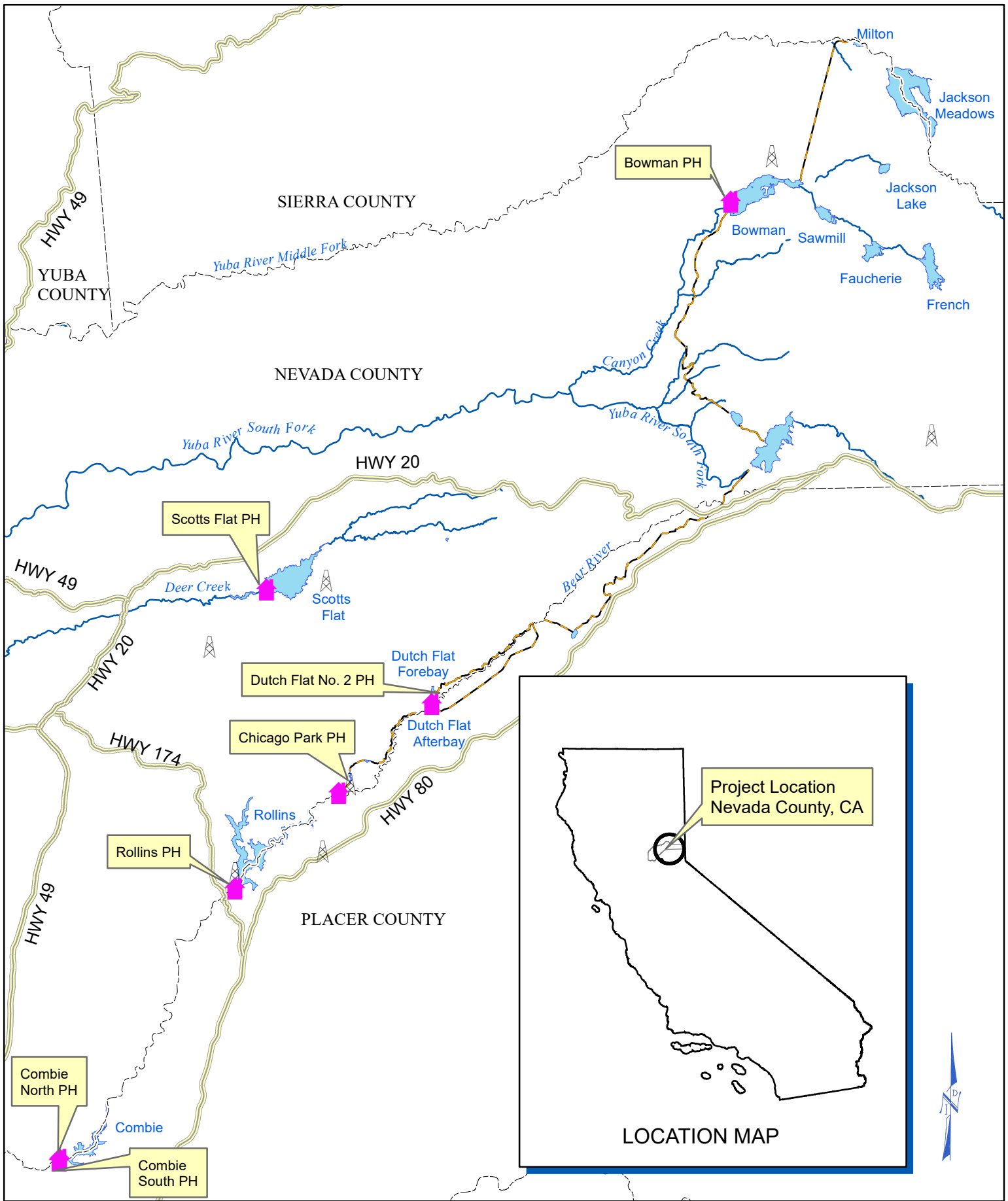
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Spare Data Concentrator

Project No.: N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	5
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	6
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	2
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:55



# SCADA SYSTEM UPGRADES



Date: 9/16/2021

Drawn By: NID

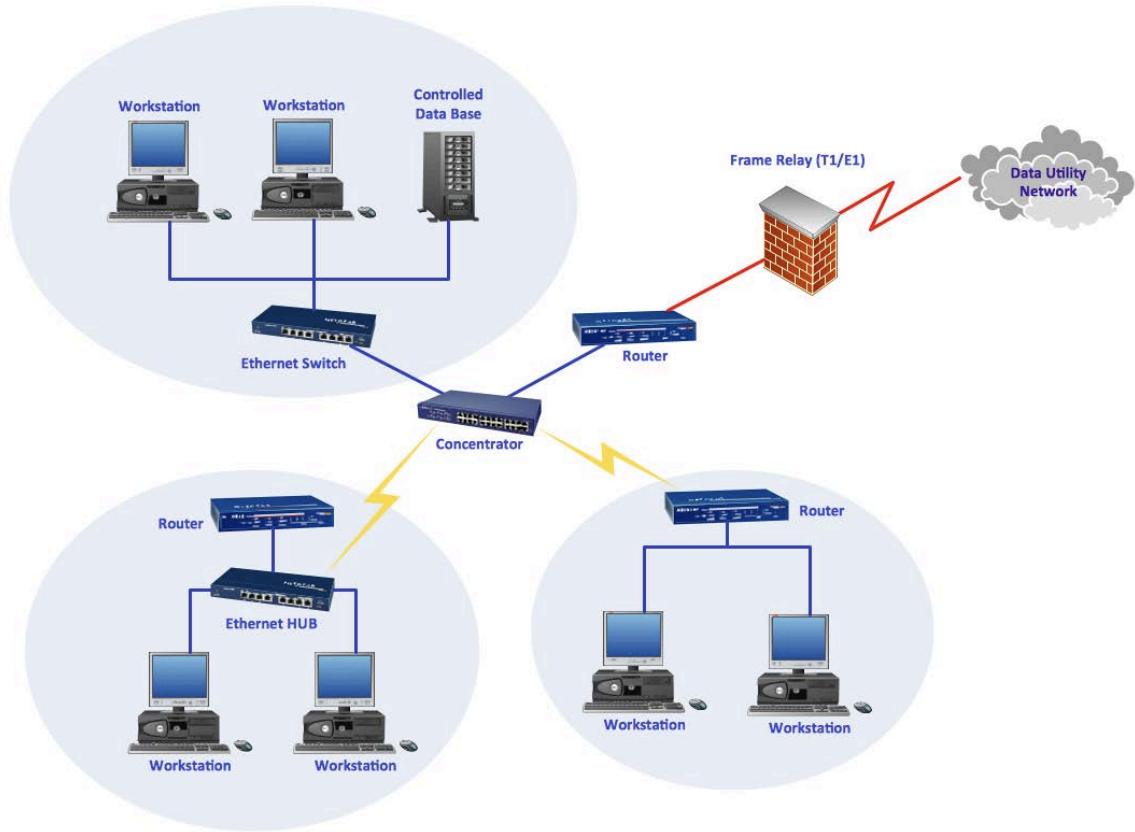
**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1







## 2022 Annual Budget

**Project Name: Station Battery Chargers**

**Project No.: N/A**

Dept. 50167 - Maintenance Program: 52920 – Powerhouse Improvements Priority Ranking: 60

Facility: CPPH and DFPH Facility #: 57200,57300 Division #: N/A

Project Manager: Phil Nedved

Constructed by: Hydro Maintenance

New Construction:                      Replacement:                       Upgrades:                      Multiple Phases:

CEQA: N/A                                      Permits: N/A                                      ROW: N/A

**Project Purpose:** (Problem Statement)

Battery chargers at both NERC regulated hydro plants are more than 30 years old and are at the end of their useful life. Purpose is to replace chargers with modern equipment.

**Project Description:** (Proposed Solution)

Purchase and install new, redundant 50 amp battery chargers at Chicago Park and Dutch Flat Powerhouses.

**Basis for Priority:**

Station battery chargers have exceeded their useful life and maintaining a reliable DC electric source is essential for protective relays and NERC compliance.

**Project Financial Summary:**

Project Estimate: \$50,000                      Total Spent to Date: 0                      Current Year Budget: 0

Anticipated Expenses to End of Year: 0                      Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction								0
Right of Way								0
Other:			\$50,000					\$50,000
<b>Total:</b>	0	0	\$50,000	0	0	0	0	\$50,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50167-52920			\$50,000					\$50,000
								0
								0
<b>Total:</b>	0	0	\$50,000	0	0	0	0	\$50,000

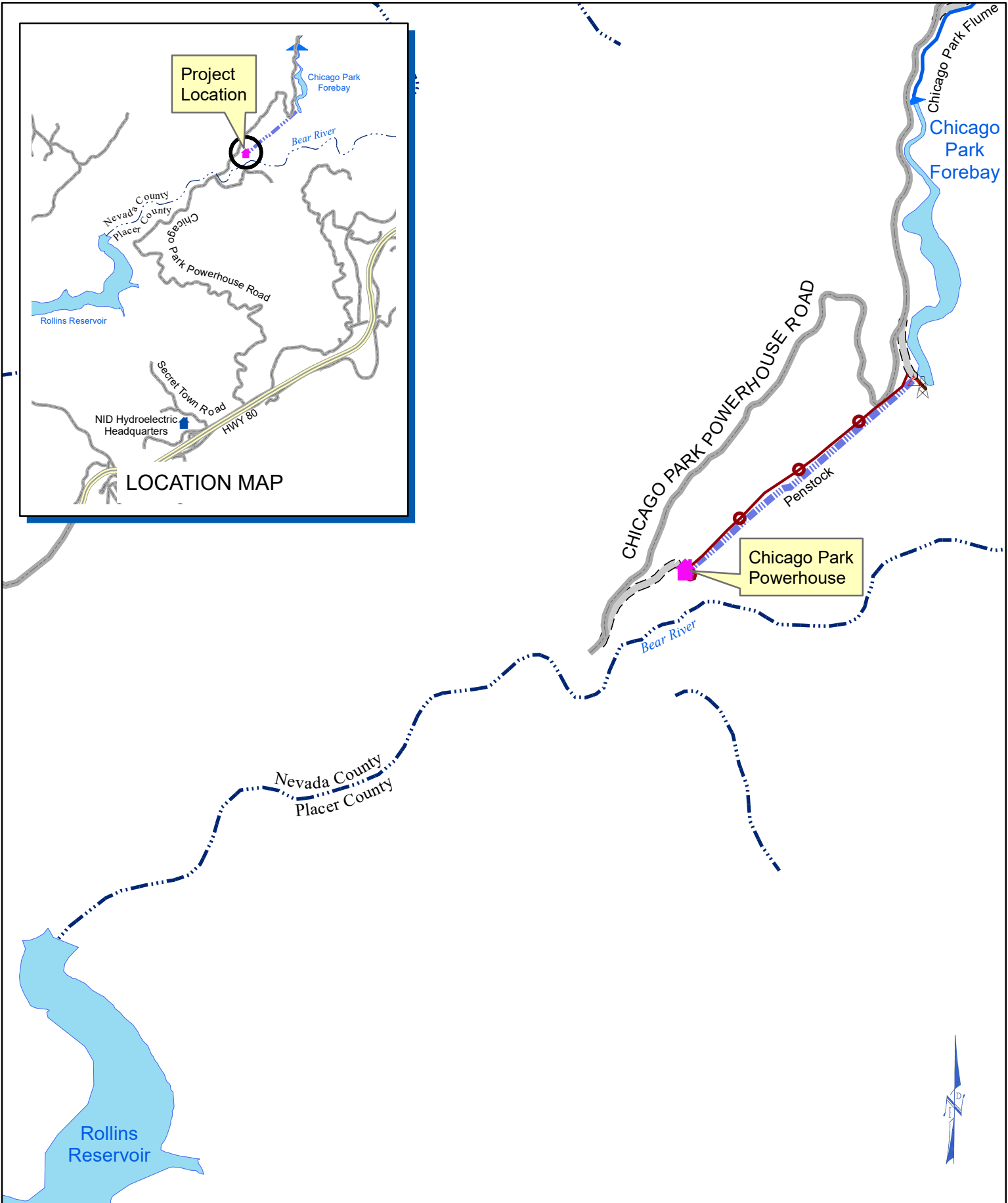
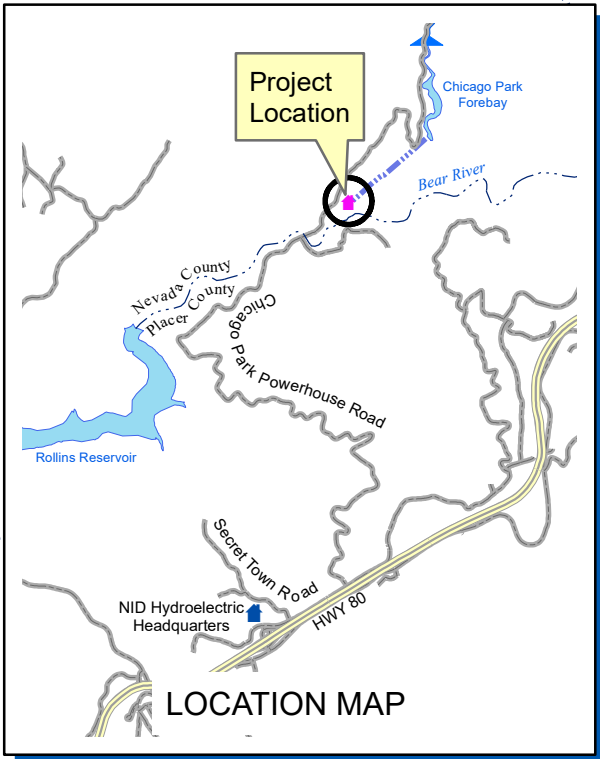
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Station Battery Chargers

Project No.: N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	5
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	7
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	6
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:60



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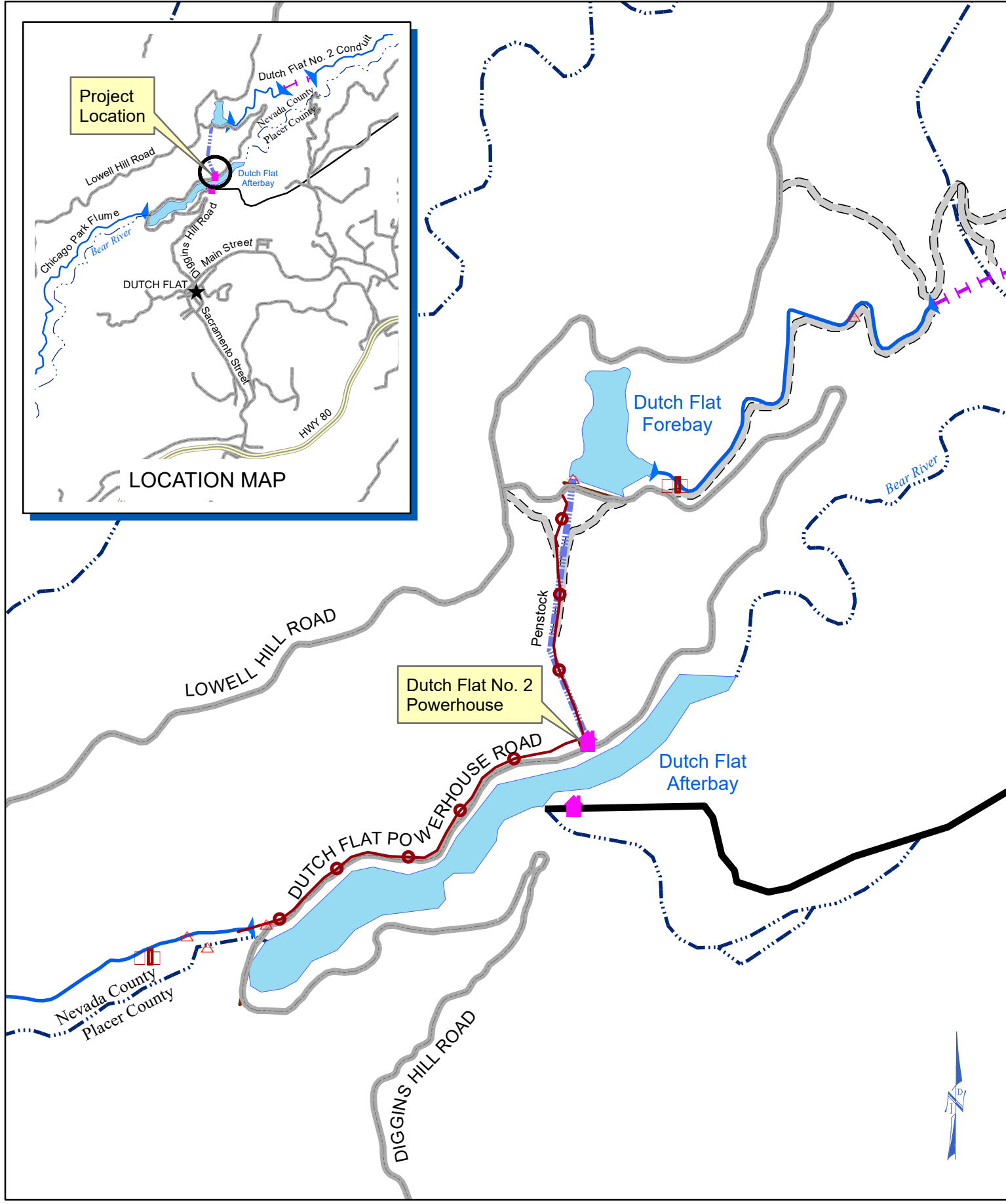
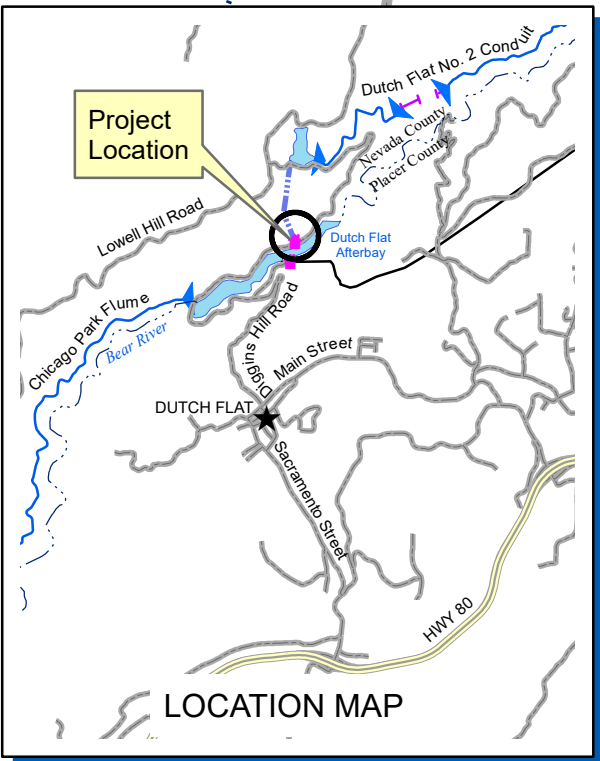


Date: 9/14/2021  
 Drawn By: NID

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY -- PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1

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# DUTCH FLAT NO. 2 POWERHOUSE



Date: 9/14/2021  
Drawn By: NID

**NEVADA IRRIGATION DISTRICT**  
NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
Sheet: 1 of 1







## 2022 Annual Budget

**Project Name: Station Battery Replacement**

**Project No.: N/A**

Dept. 50167 - Maintenance Program: 52920 –Powerhouse Improvements Priority Ranking: 55

Facility: CPPH and DFPH Facility #: 57300, 57200 Division #: N/A

Project Manager: Phil Nedved

Constructed by: Hydro Maintenance

New Construction:                      Replacement:                       Upgrades:                      Multiple Phases:

CEQA: N/A                                      Permits: N/A                                      ROW: N/A

**Project Purpose:** (Problem Statement)

PG&E Interconnection Requirements (Appendix T) only allow flooded lead acid or NiCd batteries for connection to PG&E transmission system. Current batteries are no longer approved and were installed before the new requirements. The systems are also approaching end of life.

**Project Description:** (Proposed Solution)

Purchase and install new 125VDC flooded lead acid battery banks and dispose of old banks at Chicago Park and Dutch Flat Powerhouses.

**Basis for Priority:**

All hydro plant protective relays and other critical functions are powered using the DC battery systems. The current systems are no longer approved by PG&E for transmission interconnection and the old system must be replaced.

**Project Financial Summary:**

Project Estimate:\$100,000                      Total Spent to Date: 0                      Current Year Budget: 0

Anticipated Expenses to End of Year:0                      Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction								0
Right of Way								0
Other:			\$100,000					\$100,000
<b>Total:</b>	0	0	\$100,000	0	0	0	0	\$100,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50167-52920			\$100,000					\$100,000
								0
								0
<b>Total:</b>	0	0	\$100,000	0	0	0	0	\$100,000

**Notes:**

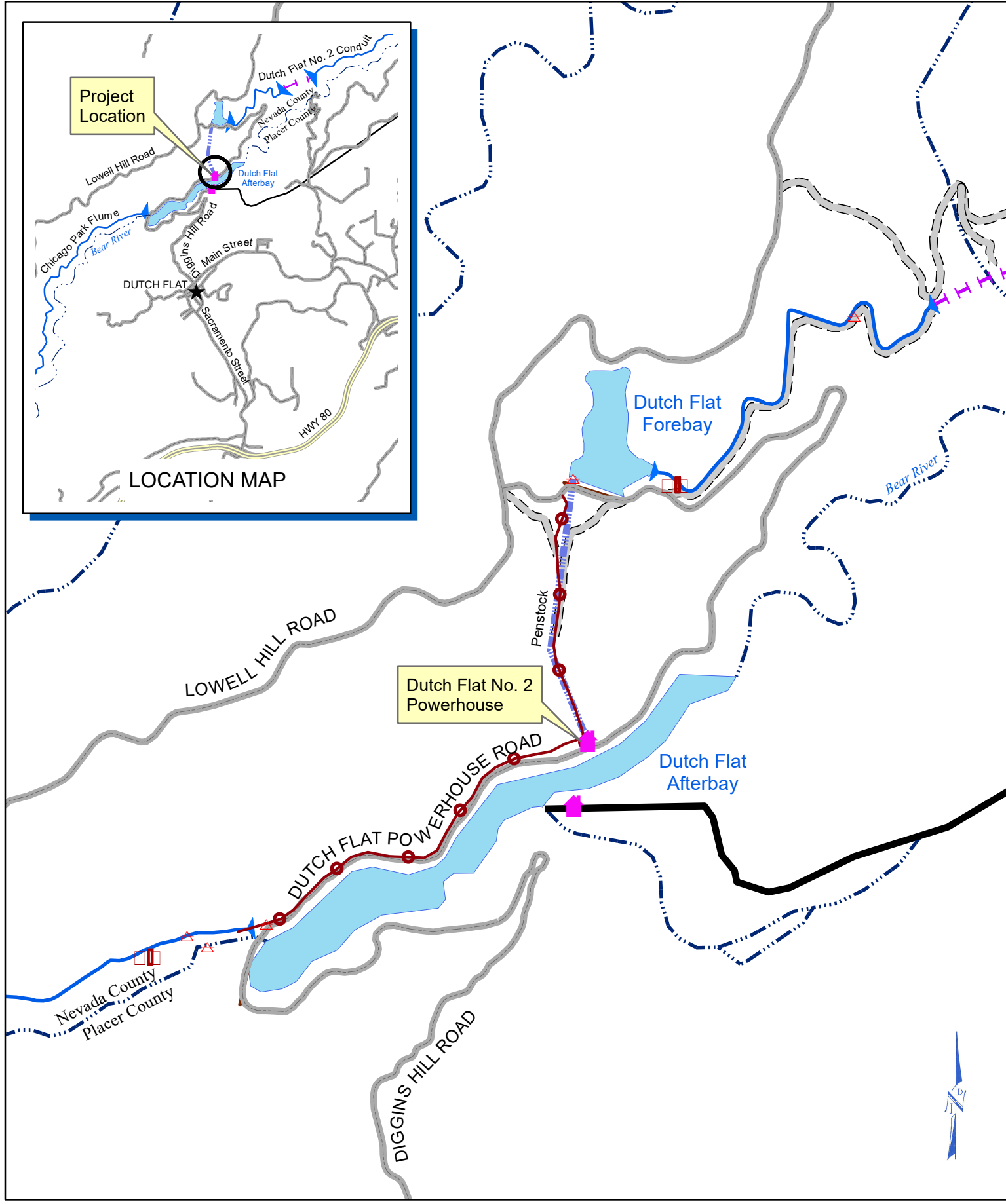
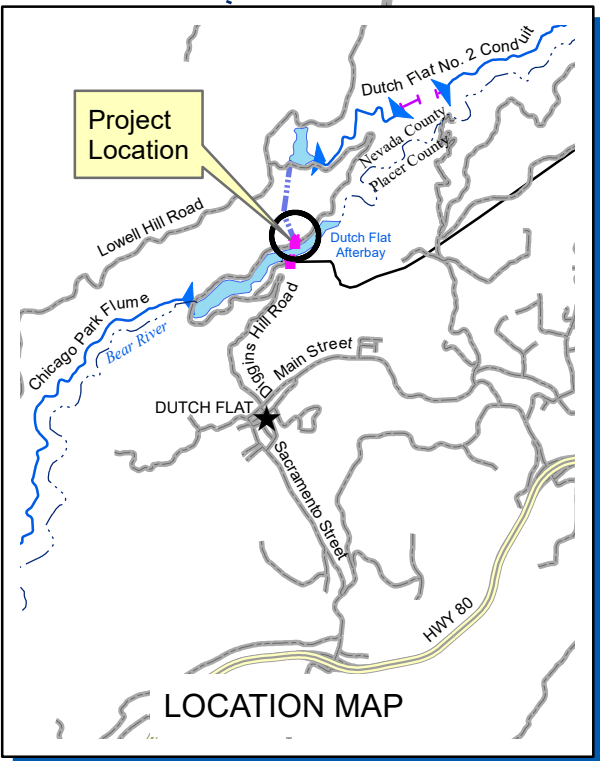
## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Station Battery Replacement

Project No.: N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	5
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	0
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	8
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:55

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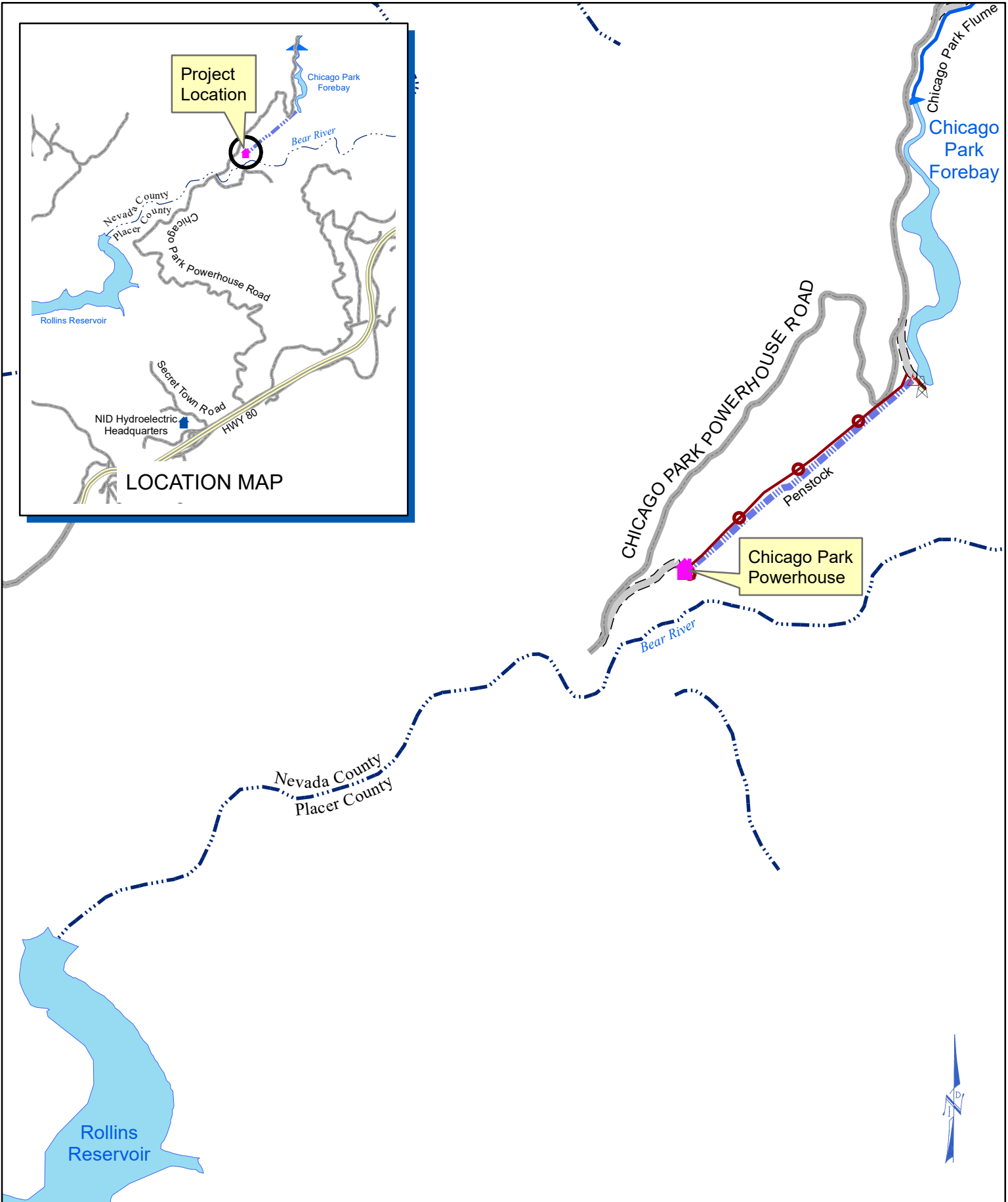
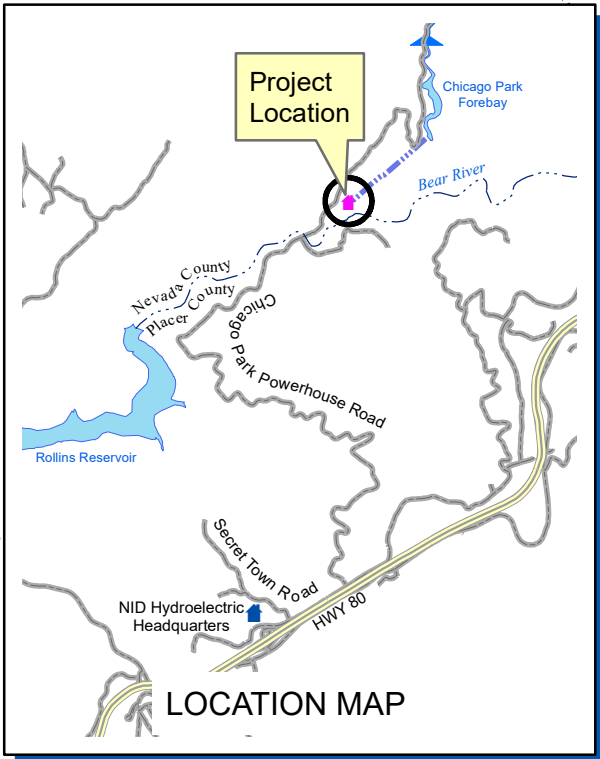
# DUTCH FLAT NO. 2 POWERHOUSE



Date: 9/14/2021  
 Drawn By: NID

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY -- PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1



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Date: 9/14/2021  
 Drawn By: NID

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY -- PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1







## 2022 Annual Budget

**Project Name: ADCP Purchase**

**Project No.: N/A**

Dept. 50161 - Operations    Program: 52904 – Equipment Purchase    Priority Ranking: 61

Facility: Hydro Headquarters    Facility #: 57010    Division #: N/A

Project Manager: Ashley Vander Meer    Constructed by: Hydro Operations

New Construction:                  Replacement:                   Upgrades:                  Multiple Phases:

CEQA: N/A                          Permits: N/A                          ROW: N/A

**Project Purpose:** (Problem Statement)

The existing streamflow measuring device is not compatible with all of the District's streams or canals.

**Project Description:** (Proposed Solution)

Purchase the necessary and appropriate Acoustic Doppler Current Profiler (ADCP) to get more accurate streamflow measurements, saving time and money.

**Basis for Priority:**

The appropriate equipment will allow for more accurate measurements of the Bowman-Spaulding Canal and can verify that the District is releasing the correct amount of water.

**Project Financial Summary:**

Project Estimate: \$35,000                  Total Spent to Date: 0                  Current Year Budget: 0

Anticipated Expenses to End of Year: 0                  Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction								0
Right of Way								0
Other:			\$35,000					\$35,000
<b>Total:</b>	0	0	\$35,000	0	0	0	0	\$35,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50161-52904			\$35,000					\$35,000
								0
								0
<b>Total:</b>	0	0	\$35,000	0	0	0	0	\$35,000

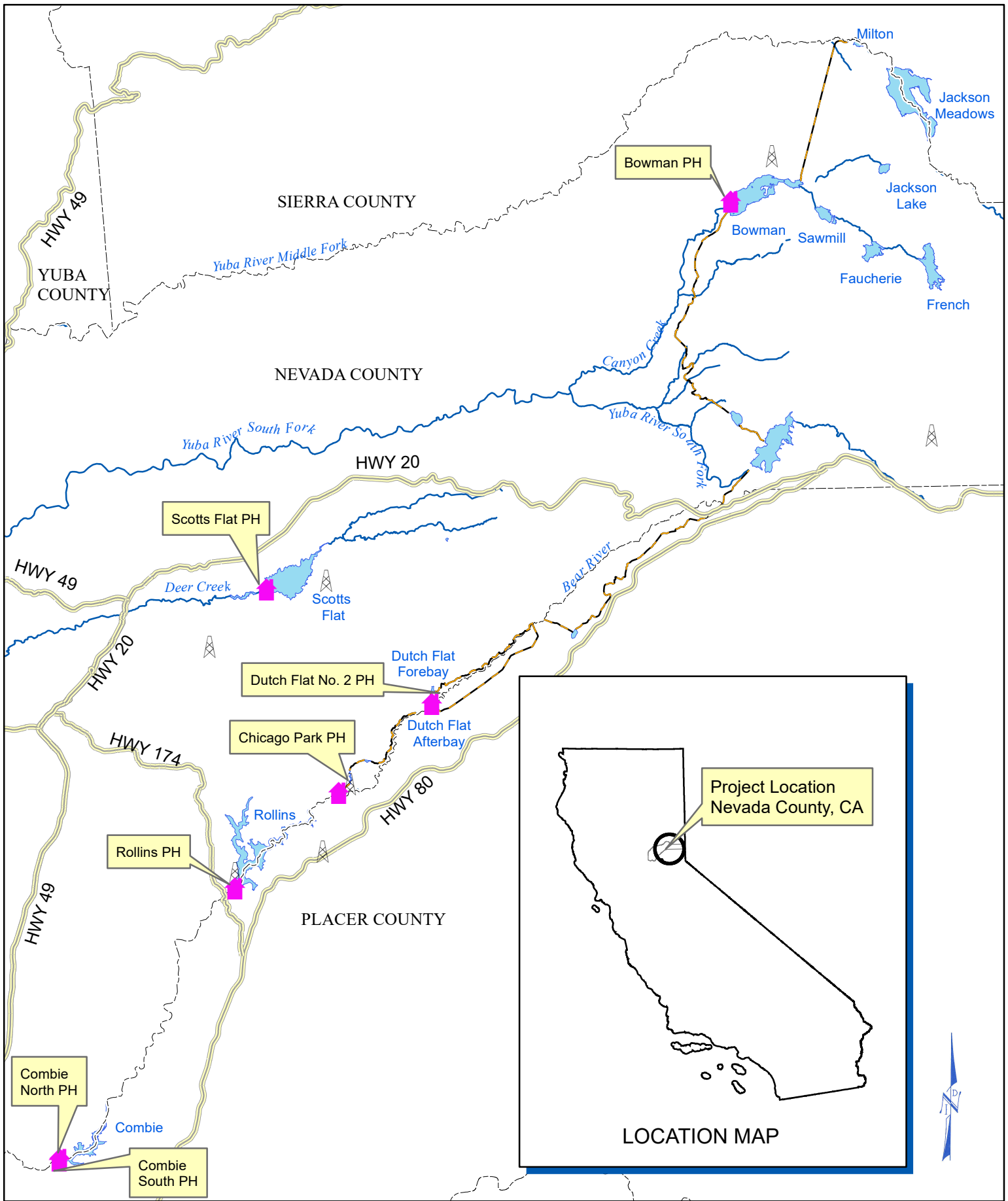
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: ADCP Purchase

Project No.: N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	6
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	6
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	6
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	6
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	3
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	2
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	7
Max Score:100		Total Prioritization Score:61



# SCADA SYSTEM UPGRADES



Date: 9/16/2021

Drawn By: NID

**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1







## 2022 Annual Budget

**Project Name: Replace Side by Side**

**Project No.: N/A**

Dept. 50161 - Operatons Program: 52904 – Equipment Purchase

Priority Ranking: 37

Facility: Hydro Headquarters Facility #: 57010

Division #: N/A

Project Manager: Jerry Green

Constructed by: Hydro Operations

New Construction:

Replacement:

Upgrades:

Multiple Phases:

CEQA: N/A

Permits: N/A

ROW: N/A

**Project Purpose:** (Problem Statement)

The current side by side has 15,000 miles and the motor requires repair. The cost to rebuild/replace the motor exceeds the end value of the equipment.

**Project Description:** (Proposed Solution)

Replace old side by side with a new side by side.

**Basis for Priority:**

Annual operation and maintenance costs. Safety and operational efficiency.

**Project Financial Summary:**

Project Estimate: \$25,000

Total Spent to Date: 0

Current Year Budget: 0

Anticipated Expenses to End of Year: 0

Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction								0
Right of Way								0
Other:			\$25,000					\$25,000
<b>Total:</b>	0	0	\$25,000	0	0	0	0	\$25,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50161-52904			\$25,000					\$25,000
								0
								0
<b>Total:</b>	0	0	\$25,000	0	0	0	0	\$25,000

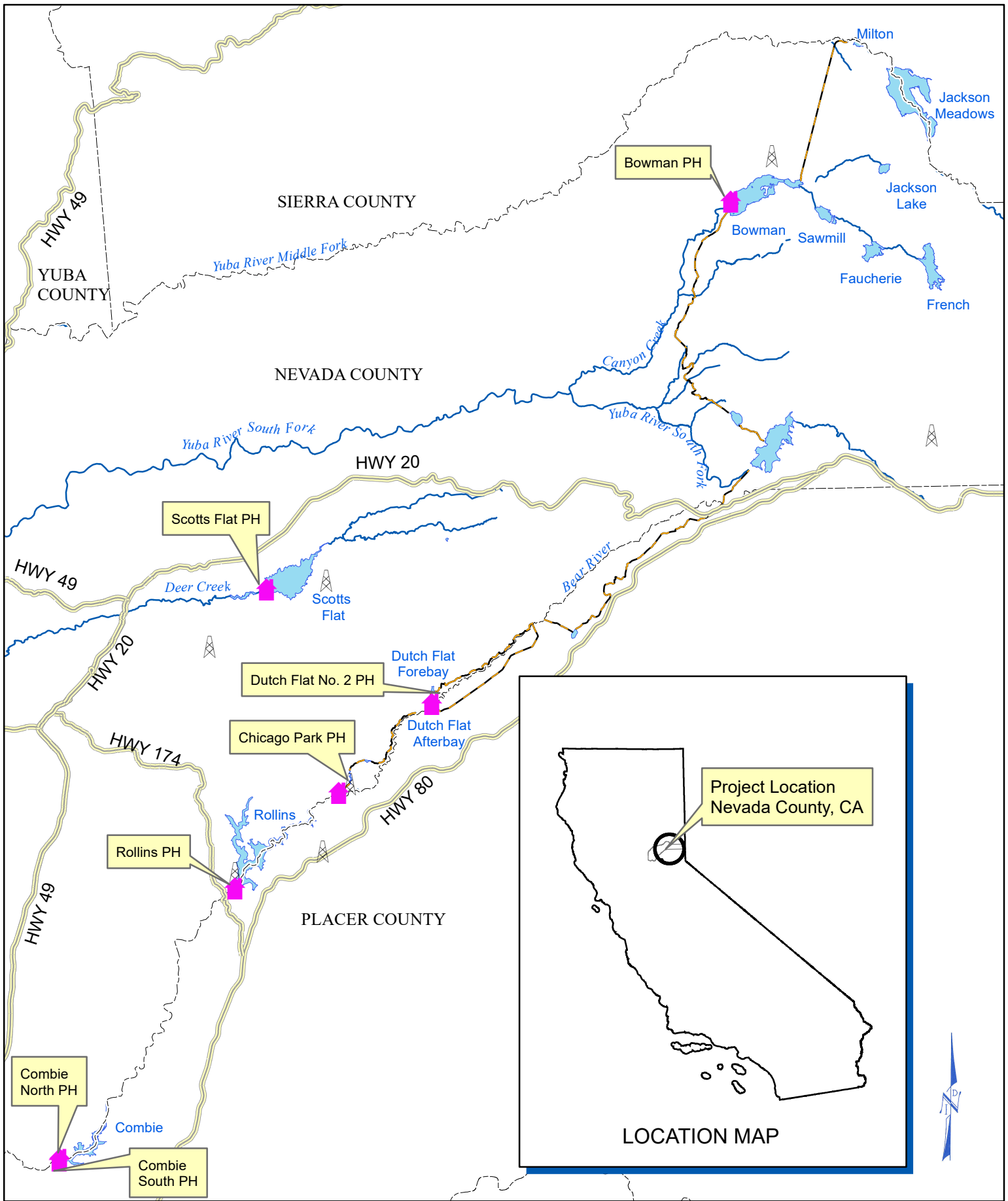
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Replace Side by Side

Project No.: N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	5
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	5
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	0
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	0
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	2
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	5
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 1 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:37



# SCADA SYSTEM UPGRADES



Date: 9/16/2021

Drawn By: NID

**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Replace 4-Wheel Drive Truck**

**Project No.: N/A**

Dept. 50161 - Operations    Program: 52902 – Vehicle Purchase    Priority Ranking: 41

Facility: Hydro Headquarters    Facility #: 57010    Division #: N/A

Project Manager: Jerry Green    Constructed by: Hydro Operations

New Construction:                  Replacement:     Upgrades:                  Multiple Phases:

CEQA: N/A                          Permits: N/A                          ROW: N/A

**Project Purpose:** (Problem Statement)

Purchase a new truck to replace truck H5373, a 2014 Ford F-150 with a current mileage of more than 147,000.

**Project Description:** (Proposed Solution)

Replace old truck with a safer and more reliable 4-wheel drive truck.

**Basis for Priority:**

Annual operation and maintenance costs. Safety and operational efficiency.

**Project Financial Summary:**

Project Estimate: \$45,000                  Total Spent to Date: 0                  Current Year Budget: 0

Anticipated Expenses to End of Year: 0                  Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction								0
Right of Way								0
Other:			\$45,000					\$45,000
<b>Total:</b>	0	0	\$45,000	0	0	0	0	\$45,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50161-52902			\$45,000					\$45,000
								0
								0
<b>Total:</b>	0	0	\$45,000	0	0	0	0	\$45,000

**Notes:**

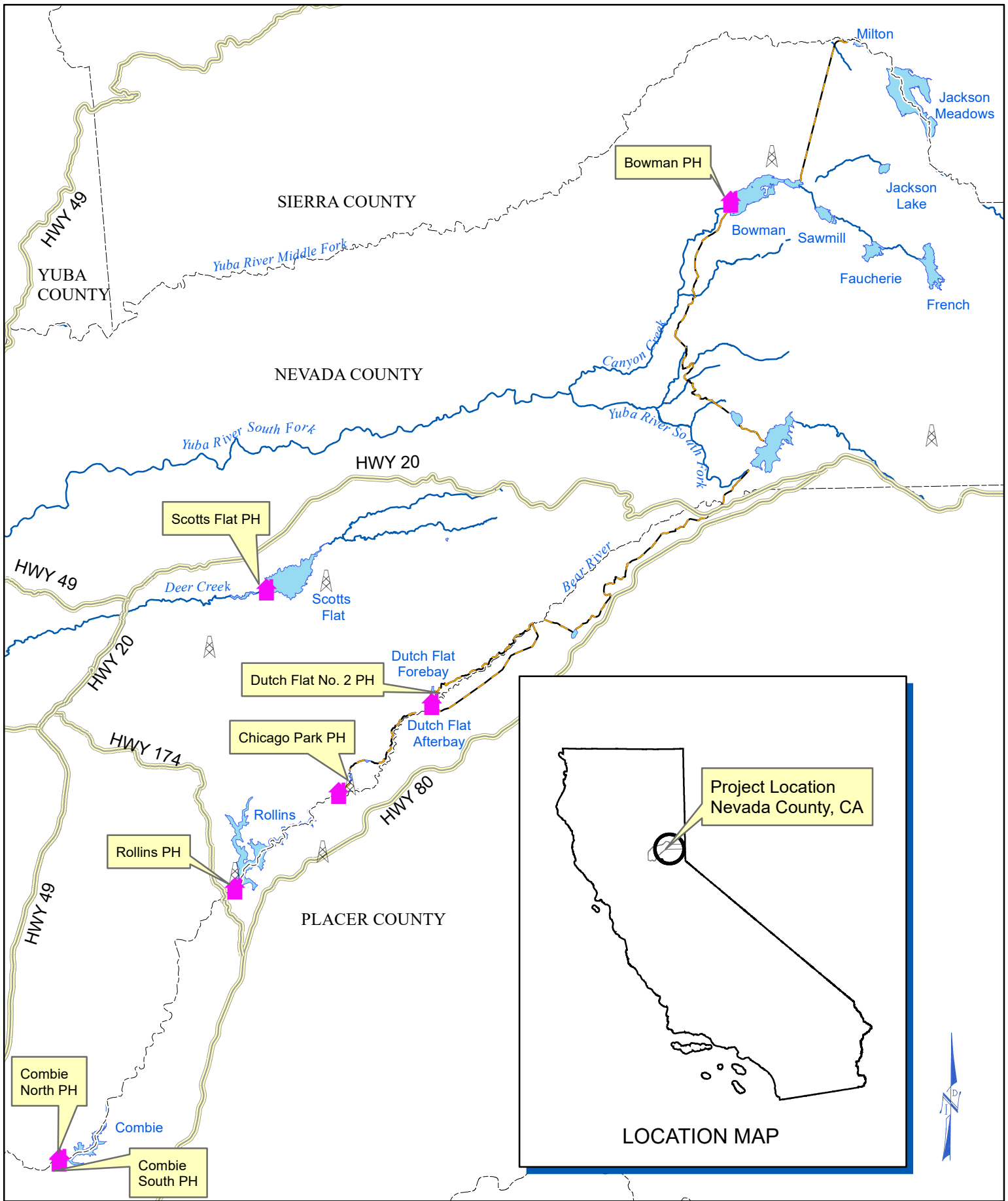


## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Replace 4-Wheel Drive Truck

Project No.: N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	5
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	5
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	6
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	0
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	0
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	5
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:41



# SCADA SYSTEM UPGRADES



Date: 9/16/2021

Drawn By: NID

**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Snowfox Purchase**

**Project No.: N/A**

Dept. 50161 - Operations Program: 52904 – Equipment Purchase Priority Ranking: 64

Facility: Jackson Meadows Facility #: 57101 Division #: N/A

Project Manager: Ashley Vander Meer Constructed by: Hydro Operations

New Construction:  Replacement:  Upgrades:  Multiple Phases:

CEQA:  Permits:  ROW: N/A

**Project Purpose: (Problem Statement)**

Currently, the District does not have an efficient way to collect snow water equivalent data that aids in forecasting and water management. In the winter, staff is sent to the high country to manually take measurements which is a time consuming process that poses safety concerns.

**Project Description: (Proposed Solution)**

Purchase the SnowFox that will continuously monitor snow water equivalence, improve staff safety, and reduce the time spent to manually record data.

**Basis for Priority:**

This data provides District staff a better understanding of our watershed and allows for more informed decisions, especially in times of drought, regarding water storage and management.

**Project Financial Summary:**

Project Estimate: \$25,000 Total Spent to Date: 0 Current Year Budget: 0

Anticipated Expenses to End of Year: 0 Amount Remaining in Current Year Budget:

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			\$5,000					\$5,000
Right of Way								0
Other:			\$20,000					\$20,000
<b>Total:</b>	0	0	\$25,000	0	0	0	0	\$25,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50161-52904			\$25,000					\$25,000
								0
								0
<b>Total:</b>	0	0	\$25,000	0	0	0	0	\$25,000

**Notes:**

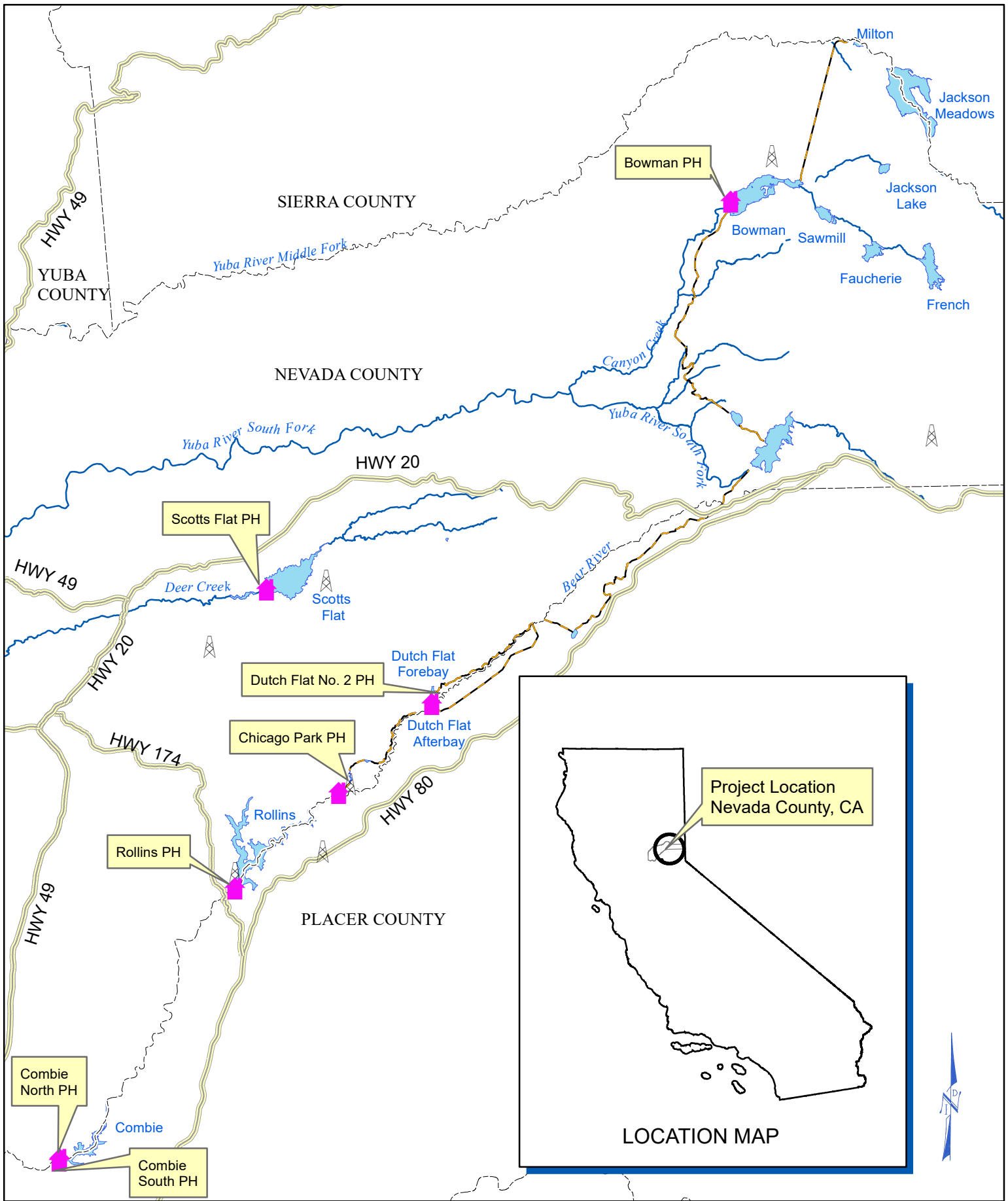
## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Snowfox Purchase

Project No.: N/A

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	7
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	6
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	7
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	3
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	3
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	6
Max Score:100		Total Prioritization Score:64





# SCADA SYSTEM UPGRADES



Date: 9/16/2021

Drawn By: NID

**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Scotts Flat Spillway Repair and Upgrades**

**Project No.: 2094**

Dept. 50112-HYDRO Program: 52921-Reservoirs, Dams & Waterways Priority Ranking: 84

Facility: Scotts Flat Spillway Facility #: 57901 Division #: N/A

Project Manager: Dar Chen

Constructed by: Contractors

New Construction: Replacement:  Upgrades:  Multiple Phases:

CEQA:  Permits:  ROW: N/A

**Project Purpose:** (Problem Statement)

Upgrade the Scotts Flat Spillway as necessary to safely pass the probable maximum flood as required by DSOD and FERC.

**Project Description:** (Proposed Solution)

Studies and hydraulic modeling of favorite alternatives; design of modifications of spillway chute, chute walls, and the terminal energy dissipation structure; construction of the design.

**Basis for Priority:**

Public safety, critical infrastructure, Regulator required

**Project Financial Summary:**

Project Estimate: 16,000,000 Total Spent to Date: 678,700 Current Year Budget: 500,000

Anticipated Expenses to End of Year: 500,000 Amount Remaining in Current Year Budget: 500,000

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies			\$100,000					\$100,000
Design/Engineering			\$800,000					\$900,000
Permitting/CEQA			\$100,000					0
Construction				\$15,000,000				\$15,000,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$1,000,000	\$15,000,000	0	0	0	\$16,000,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52921			\$1,000,000	\$15,000,000				\$16,000,000
								0
								0
<b>Total:</b>	0	0	\$1,000,000	\$15,000,000	0	0	0	\$16,000,000

**Notes:** Required by FERC

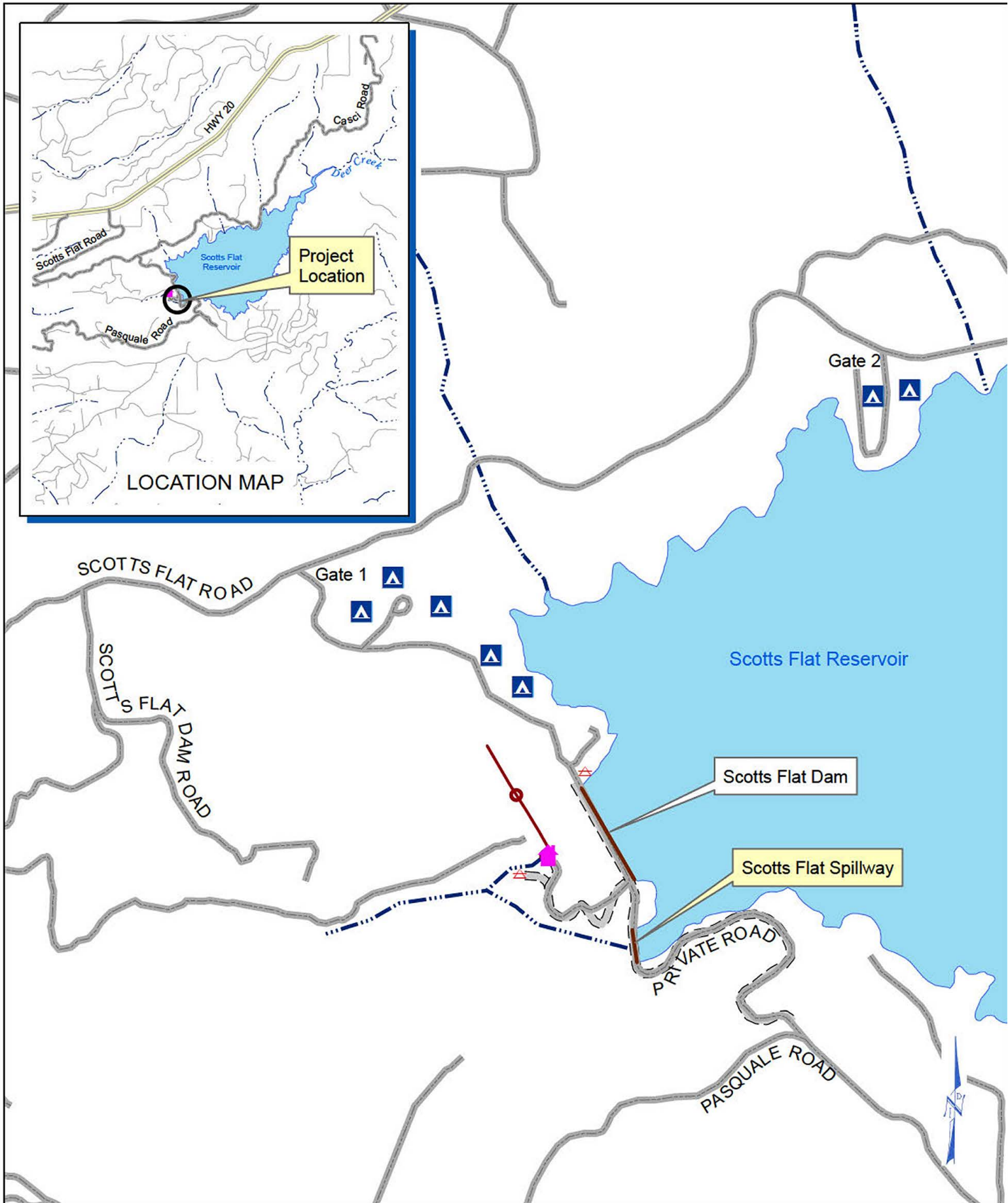
## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Scotts Flat Spillway Repair and Upgrades

Project No.:2094

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	10
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	10
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	10
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	9
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	9
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	10
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	3
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	8
Max Score:100		Total Prioritization Score:75





# SCOTTS FLAT SPILLWAY

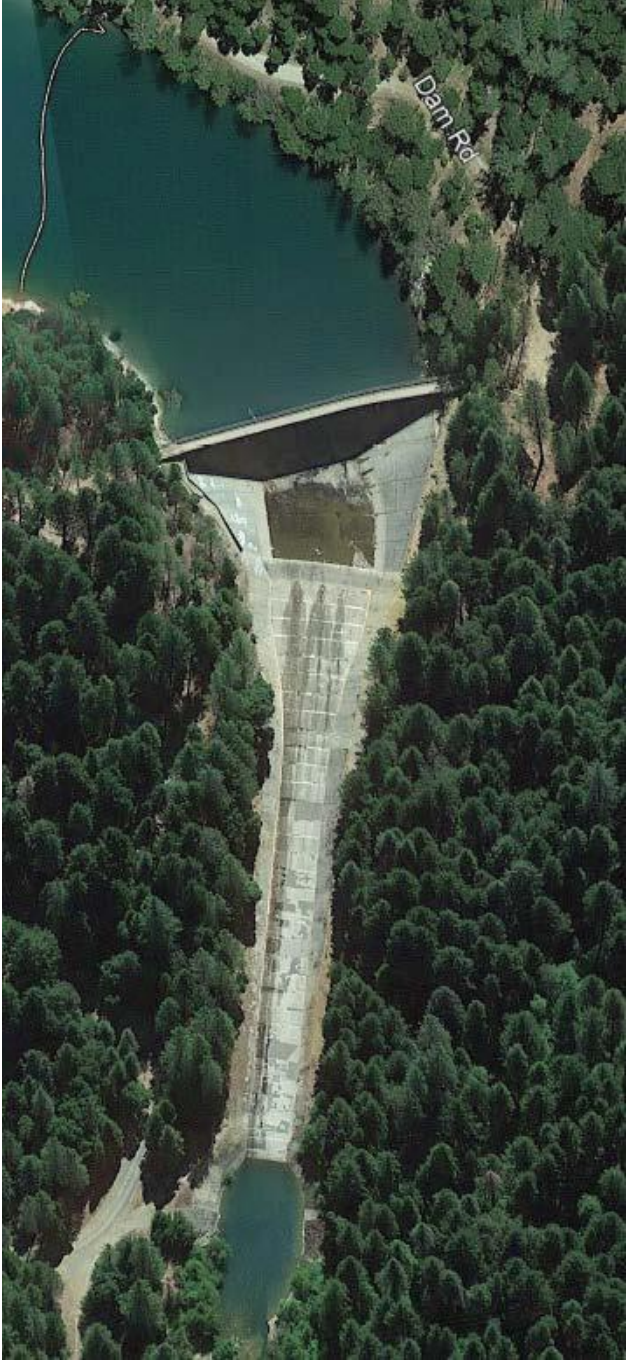


Date: 9/15/2021  
 Drawn By: NID

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY -- PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1







## 2022 Annual Budget

**Project Name: Dutch Flat #2 Powerhouse Fire Suppression System Upgrade      Project No.: 2240**

Dept. 50112-HYDRO      Program: 52920-Powerhouse Improvements      Priority Ranking: 62

Facility: Dutch Flat #2 Powerhouse      Facility #: 57200      Division #: N/A

Project Manager: Nathan Droivold      Constructed by: NID & Contractors

New Construction:       Replacement:       Upgrades:       Multiple Phases:

CEQA: Exempt      Permits: N/A      ROW: N/A

**Project Purpose:** (Problem Statement)

Provide fire detection and suppression systems at Dutch Flat #2 Powerhouse to enhance onsite safety and mitigate potential damage to the facility in the event of a fire.

**Project Description:** (Proposed Solution)

Upgrade the existing CO2 fire suppression system to protect the generator and meet current NFPA codes. Design and install a new clean agent suppression system in the control room. Provide fire detection throughout the facility for early detection.

**Basis for Priority:**

Health and safety, equipment protection

**Project Financial Summary:**

Project Estimate:300,000      Total Spent to Date:32,400      Current Year Budget:250,000

Anticipated Expenses to End of Year:0      Amount Remaining in Current Year Budget:217,600

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies	\$32,400		\$125,000					\$175,000
Design/Engineering								0
Permitting/CEQA								0
Construction			\$125,000					\$125,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$250,000	0	0	0	0	\$300,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52920	\$32,400		\$250,000					\$300,000
								0
								0
<b>Total:</b>	\$32,400	0	\$250,000	0	0	0	0	\$300,000

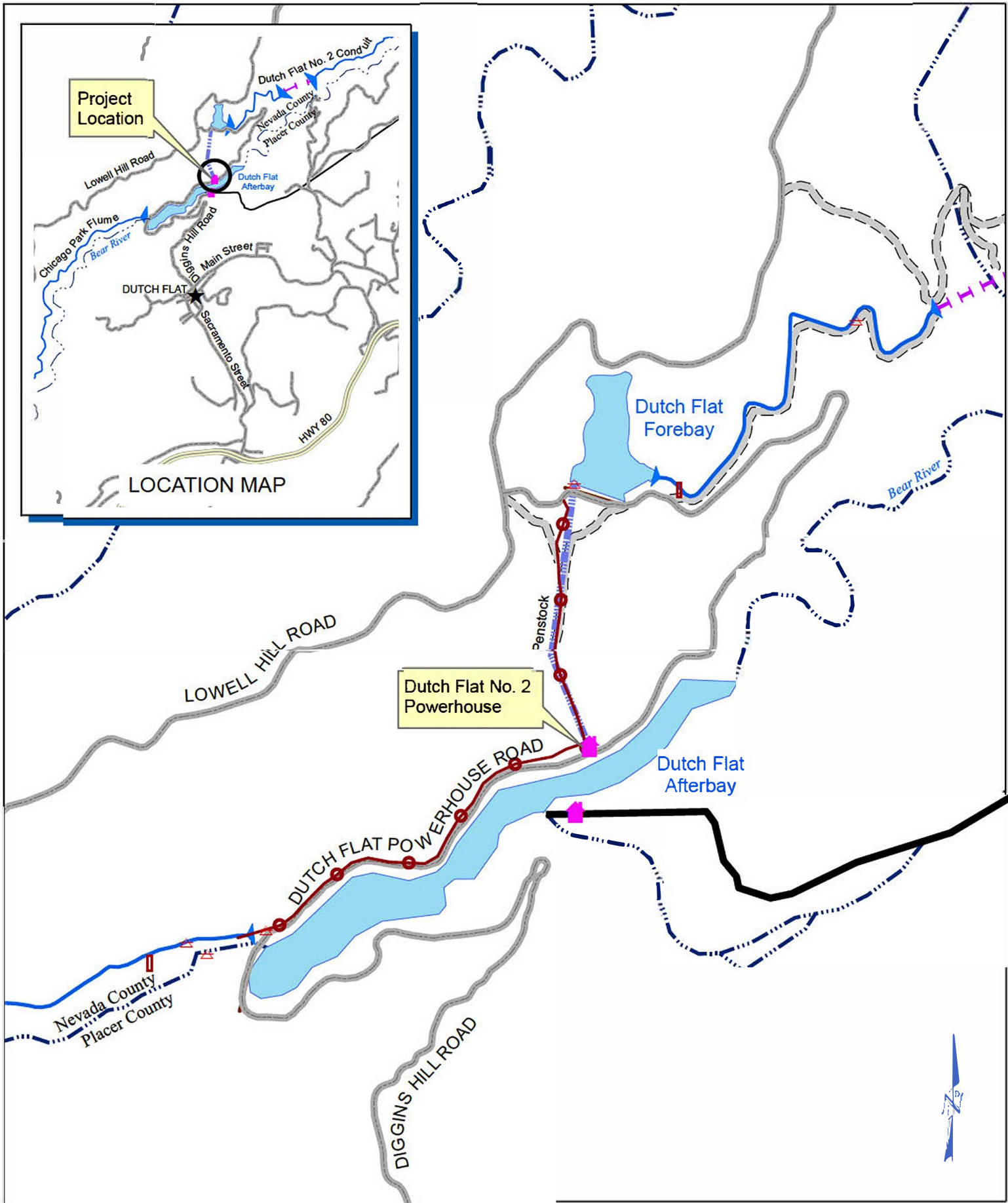
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Dutch Flat #2 Powerhouse Fire Suppression System Upgrade

Project No.: 2240

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	5
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	0
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	10
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	7
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	8
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	7
Max Score:100		Total Prioritization Score:62



## DUTCH FLAT NO. 2 POWERHOUSE



Date: 9/14/2021

Drawn By: NID

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY – PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1









## 2022 Annual Budget

**Project Name: Rucker Creek Spillgate Replacement**

**Project No.: 2339**

Dept. 50112-HYDRO Program: 52923-Upper Division Waterway Priority Ranking: 73

Facility: Rucker Creek Spill Facility #: 57207 Division #: N/A

Project Manager: Doug Roderick Constructed by: NID

New Construction: Replacement:  Upgrades:  Multiple Phases:

CEQA: Exempt Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)

Improve canal operational efficiency and reduce safety hazards related to operator callouts during storm events.

**Project Description:** (Proposed Solution)

Replace existing radial gate at Rucker Creek Diversion with an overshot gate to improve personnel safety and operational performance.

**Basis for Priority:**

Health and safety, operational efficiency

**Project Financial Summary:**

Project Estimate:300,000 Total Spent to Date:50,000 Current Year Budget:250,000

Anticipated Expenses to End of Year:0 Amount Remaining in Current Year Budget:250,000

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering	\$50,000							\$50,000
Permitting/CEQA								0
Construction			\$250,000					\$250,000
Right of Way								0
Other:								0
<b>Total:</b>	\$50,000	0	\$250,000	0	0	0	0	\$300,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52923	\$50,000		\$250,000					\$300,000
								0
								0
<b>Total:</b>	\$50,000	0	\$250,000	0	0	0	0	\$300,000

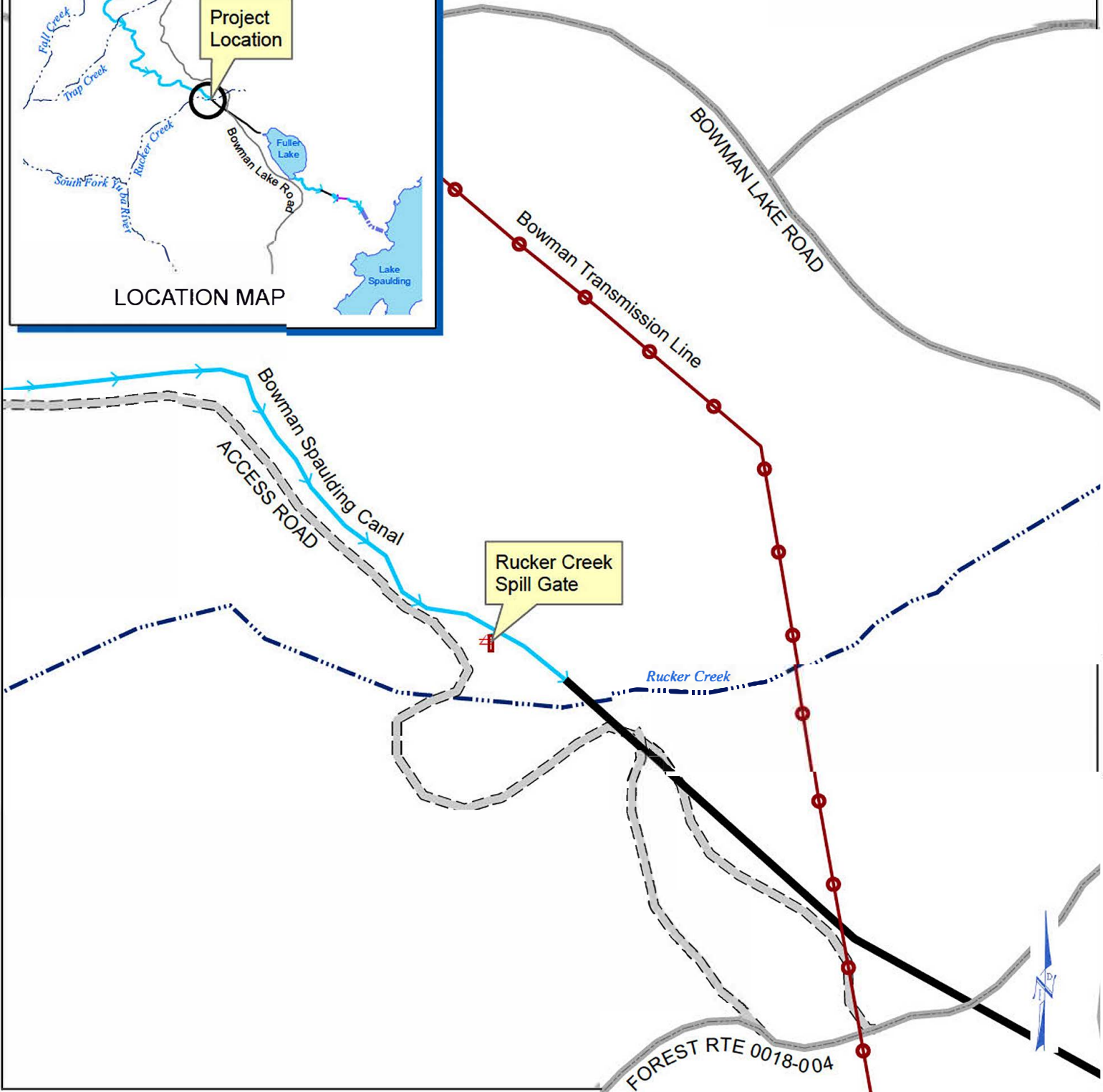
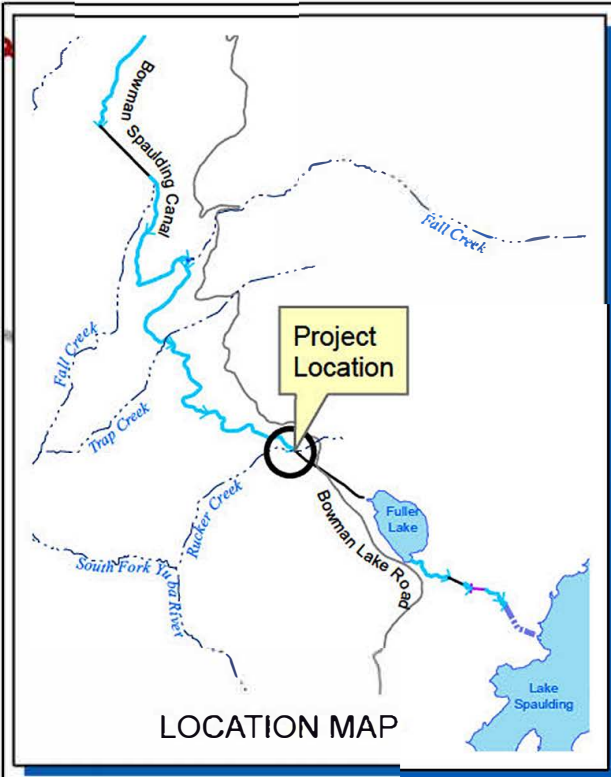
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Rucker Creek Spillgate Replacement

Project No.:2339

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	7
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	10
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	8
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	10
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	4
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	1
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	6
Max Score:100		Total Prioritization Score:73



# RUCKER CREEK SPILL GATE



Date: 9/14/2021  
 Drawn By: NID

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY – PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Chicago Park Powerhouse Turbine Overhaul**

**Project No.: 2353**

Dept. 50112-HYDRO Program: 52920-Powerhouse Improvements

Priority Ranking: 75

Facility: Chicago Park Powerhouse Facility #: 57300

Division #: N/A

Project Manager: Nathan Droivold

Constructed by: NID & Contractors

New Construction: Replacement:  Upgrades:  Multiple Phases:

CEQA: Exempt Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)

Improve facility efficiency and performance by replacing or upgrading the existing turbine (original 1960's vintage) at Chicago Park Powerhouse.

**Project Description:** (Proposed Solution)

Replace or upgrade the existing turbine and appurtenances.

**Basis for Priority:**

Operational efficiency, critical powerhouse system

**Project Financial Summary:**

Project Estimate: 2,650,000 Total Spent to Date: 12,348 Current Year Budget: 100,000

Anticipated Expenses to End of Year: 0 Amount Remaining in Current Year Budget: 87,652

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies	\$12,300							\$12,300
Design/Engineering			\$150,000					\$150,000
Permitting/CEQA								0
Construction				\$1,250,000	\$1,250,000			\$2,500,000
Right of Way								0
Other:								0
<b>Total:</b>	\$12,300	0	\$150,000	\$1,250,000	\$1,250,000	0	0	\$2,662,300

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52920	\$12,300		\$150,000	\$1,250,000	\$1,250,000			\$2,662,300
								0
								0
<b>Total:</b>	\$12,300	0	\$150,000	\$1,250,000	\$1,250,000	0	0	\$2,662,300

**Notes:**

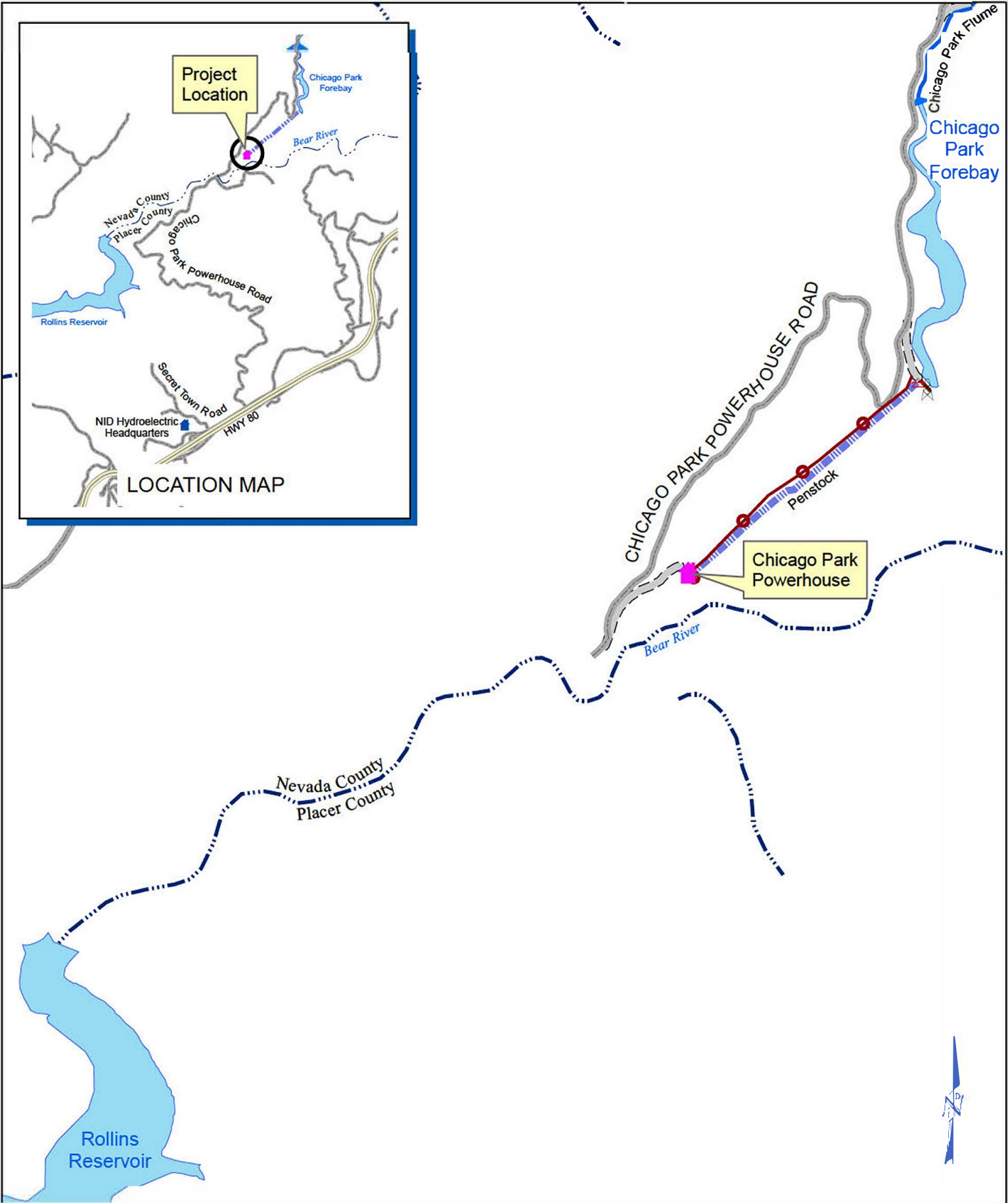


## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Chicago Park Powerhouse Turbine Overhaul

Project No.: 2353

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	9
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	6
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	8
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	8
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	7
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	2
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	7
Max Score:100		Total Prioritization Score:75



# CHICAGO PARK POWERHOUSE



Date: 9/14/2021

Drawn By: NID

*NEVADA IRRIGATION DISTRICT*

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Bowman North Dam Upstream Lining Repairs**

**Project No.: 2359**

Dept. 50112-HYDRO Program: 52921-Reservoirs, Dams & Waterways Priority Ranking: 71

Facility: Bowman North Dam Facility #: 57109 Division #: N/A

Project Manager: Dar Chen Constructed by: NID

New Construction: Replacement: Upgrades:  Multiple Phases:

CEQA: TBD Permits: TBD ROW: N/A

**Project Purpose:** (Problem Statement)

Repair and/or replace damaged lining on the upstream face of Bowman North Dam to minimize its leakage.

**Project Description:** (Proposed Solution)

Design and construction of repair and replacement of damaged concrete lining panels and joints.

**Basis for Priority:**

Public safety, critical infrastructure

**Project Financial Summary:**

Project Estimate:400,000 Total Spent to Date:0 Current Year Budget:0

Anticipated Expenses to End of Year:0 Amount Remaining in Current Year Budget:0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering			\$100,000					\$100,000
Permitting/CEQA								0
Construction				\$150,000	\$150,000			\$300,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$100,000	\$150,000	\$150,000	0	0	\$400,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52921			\$100,000	\$150,000	\$150,000			\$400,000
								0
								0
<b>Total:</b>	0	0	\$100,000	\$150,000	\$150,000	0	0	\$400,000

**Notes:** Required by FERC

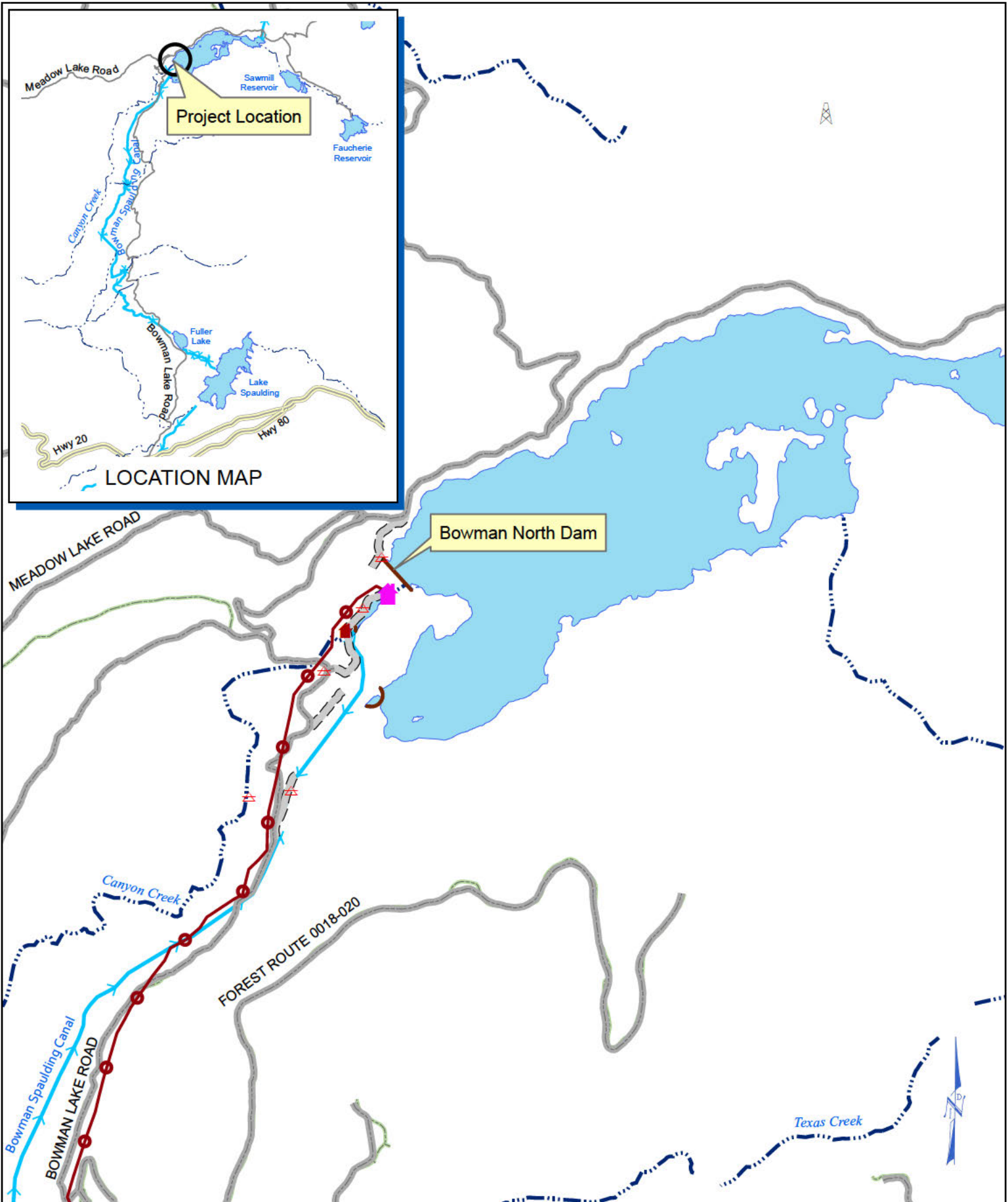
## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Bowman North Dam Upstream Lining Repairs

Project No.: 2359

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	8
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	9
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	9
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:71





## BOWMAN NORTH DAM



Date: 9/13/2021

Drawn By: NID

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY – PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1







## 2022 Annual Budget

**Project Name:** Chicago Park Powerhouse Transformer Replacement **Project No.:** 2362  


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 Dept. 50112-HYDRO Program: 52920-Powerhouse Improvements Priority Ranking: 75  
 Facility: Chicago Park Powerhouse Facility #: 57300 Division #: N/A  
 Project Manager: Nathan Droivold Constructed by: NID & Contractors  
 New Construction: Replacement:  Upgrades:  Multiple Phases:  
 CEQA: Exempt Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)  
 Improve facility efficiency and performance by replacing or upgrading the existing main transformer (original 1960's vintage) at Chicago Park Powerhouse.

**Project Description:** (Proposed Solution)  
 Replace or upgrade the existing main transformer and appurtenances.

**Basis for Priority:**  
 Health and safety, critical powerhouse system

**Project Financial Summary:**

Project Estimate: 2,400,000 Total Spent to Date: 12,300 Current Year Budget: 50,000  
 Anticipated Expenses to End of Year: 0 Amount Remaining in Current Year Budget: 37,600

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies	\$12,300							\$12,300
Design/Engineering			\$150,000					\$150,000
Permitting/CEQA								0
Construction				\$1,500,000	\$750,000			\$2,250,000
Right of Way								0
Other:								0
<b>Total:</b>	\$12,300	0	\$150,000	\$1,500,000	\$750,000	0	0	\$2,400,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52920	\$12,300		\$150,000	\$1,500,000	\$750,000			\$2,400,000
								0
								0
<b>Total:</b>	\$12,300	0	\$150,000	\$1,500,000	\$750,000	0	0	\$2,400,000

**Notes:**

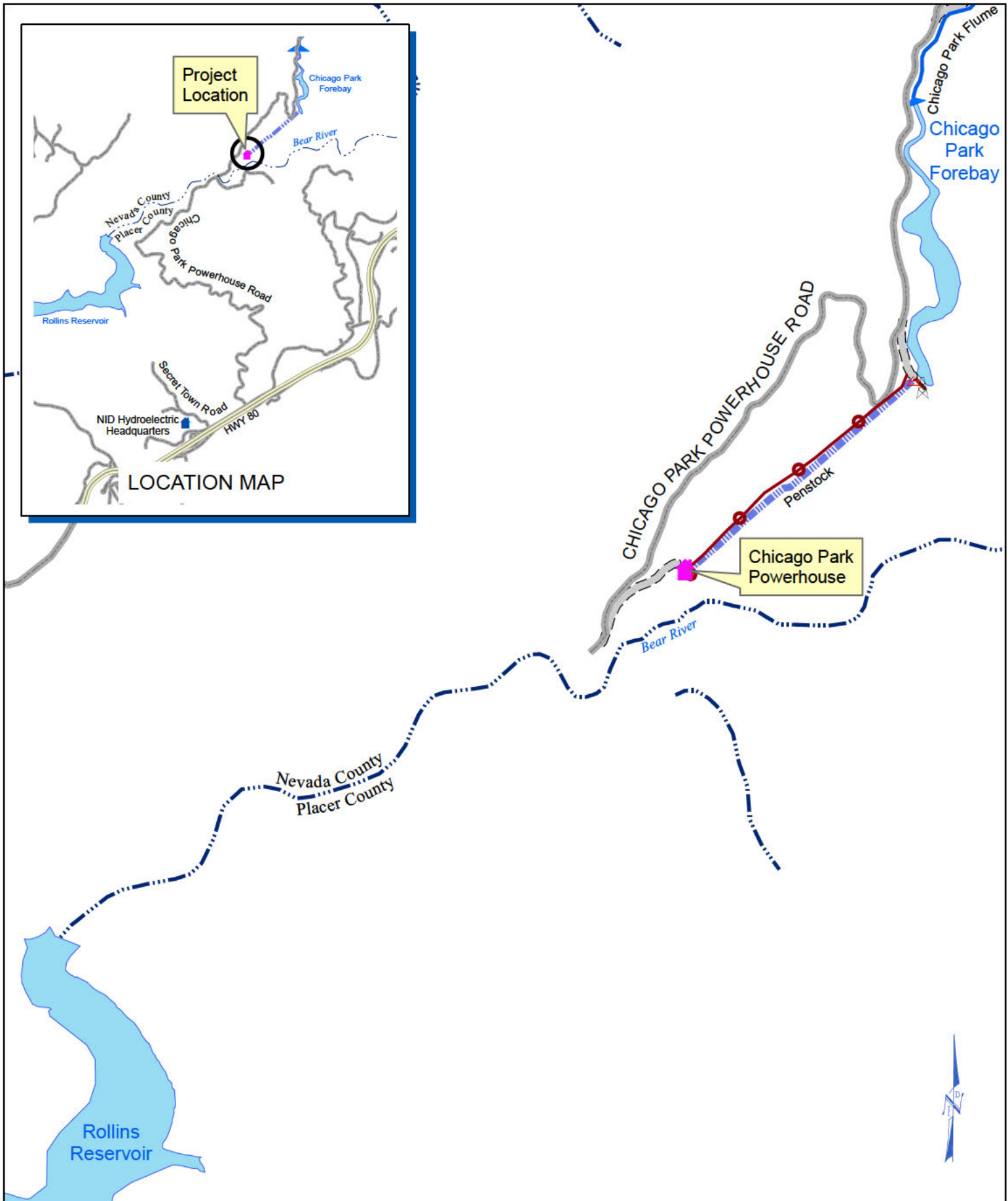
## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Chicago Park Powerhouse Transformer Replacement

Project No.: 2362

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	8
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	6
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	10
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	8
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	10
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	2
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	6
Max Score:100		Total Prioritization Score:75





# CHICAGO PARK POWERHOUSE



Date: 9/14/2021

Drawn By: NID

*NEVADA IRRIGATION DISTRICT*

NEVADA COUNTY – PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1







## 2022 Annual Budget

**Project Name: Chicago Park Powerhouse Rewind**

**Project No.: 2383**

Dept. 50112-HYDRO Program: 52920-Powerhouse Improvements Priority Ranking: 73

Facility: Chicago Park Powerhouse Facility #: 57300 Division #: N/A

Project Manager: Nathan Droivold Constructed by: NID & Contractors

New Construction: Replacement:  Upgrades:  Multiple Phases:

CEQA: Exempt Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)

Improve generator efficiency and ensure safe plant operation by disassembling, cleaning, and rebuilding the onsite generator.

**Project Description:** (Proposed Solution)

Replace deteriorated generator windings, insulation, poles, and other generator appertences. The last rewind was completed in 1991, and test results are showing signs of needing to complete another.

**Basis for Priority:**

Operational efficiency, critical powerhouse system

**Project Financial Summary:**

Project Estimate: 8,150,000 Total Spent to Date: 0 Current Year Budget: 0

Anticipated Expenses to End of Year: 0 Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering			\$150,000					\$150,000
Permitting/CEQA								0
Construction				\$8,000,000				\$8,000,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$150,000	\$8,000,000	0	0	0	\$8,150,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52920			\$150,000	\$8,000,000				\$8,150,000
								0
								0
<b>Total:</b>	0	0	\$150,000	\$8,000,000	0	0	0	\$8,150,000

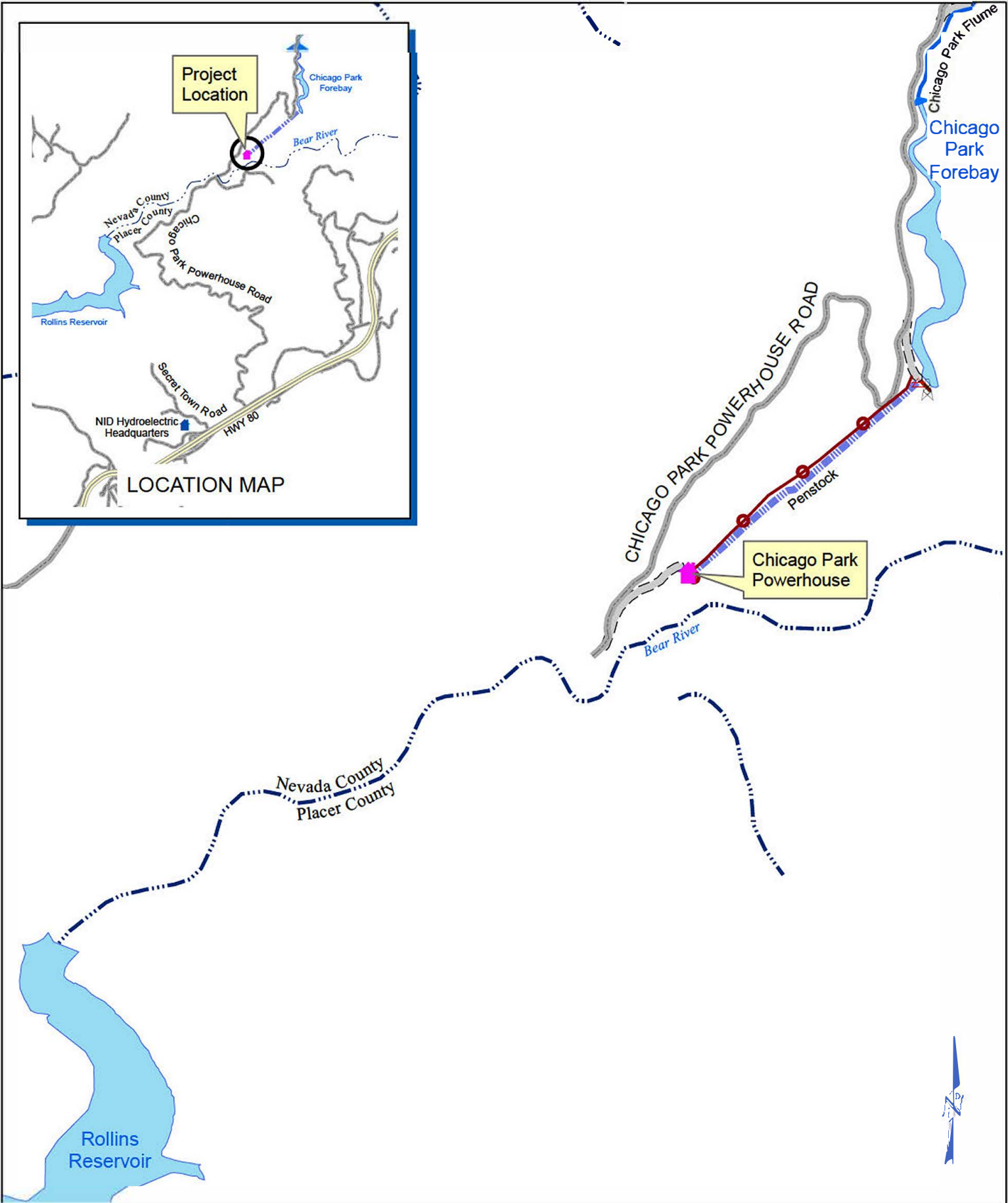
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Chicago Park Powerhouse Rewind

Project No.:2383

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	9
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	6
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	7
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	8
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	9
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	2
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	7
Max Score:100		Total Prioritization Score:73



# CHICAGO PARK POWERHOUSE



Date: 9/14/2021

Drawn By: NID

*NEVADA IRRIGATION DISTRICT*

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1









## 2022 Annual Budget

**Project Name: Rollins Powerhouse Governor Replacement**

**Project No.: 2392**

Dept. 50112-HYDRO Program: 52920-Powerhouse Improvements

Priority Ranking: 73

Facility: Rollins Powerhouse Facility #: 57400

Division #: N/A

Project Manager: Nathan Droivold

Constructed by: NID & Contractors

New Construction: Replacement:  Upgrades:  Multiple Phases:

CEQA: Exempt Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)

Improve facility efficiency and performance by replacing or upgrading the existing mechanical governor (original 1980's vintage) at Rollins Powerhouse.

**Project Description:** (Proposed Solution)

Replace or upgrade the existing governor and appurtenances.

**Basis for Priority:**

Operational efficiency

**Project Financial Summary:**

Project Estimate:550,000 Total Spent to Date:0 Current Year Budget:50,000

Anticipated Expenses to End of Year:0 Amount Remaining in Current Year Budget:50,000

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies			\$150,000					\$150,000
Design/Engineering								0
Permitting/CEQA								0
Construction				\$400,000				\$400,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$150,000	\$400,000	0	0	0	\$550,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52920			\$150,000	\$400,000				\$550,000
								0
								0
<b>Total:</b>	0	0	\$150,000	\$400,000	0	0	0	\$550,000

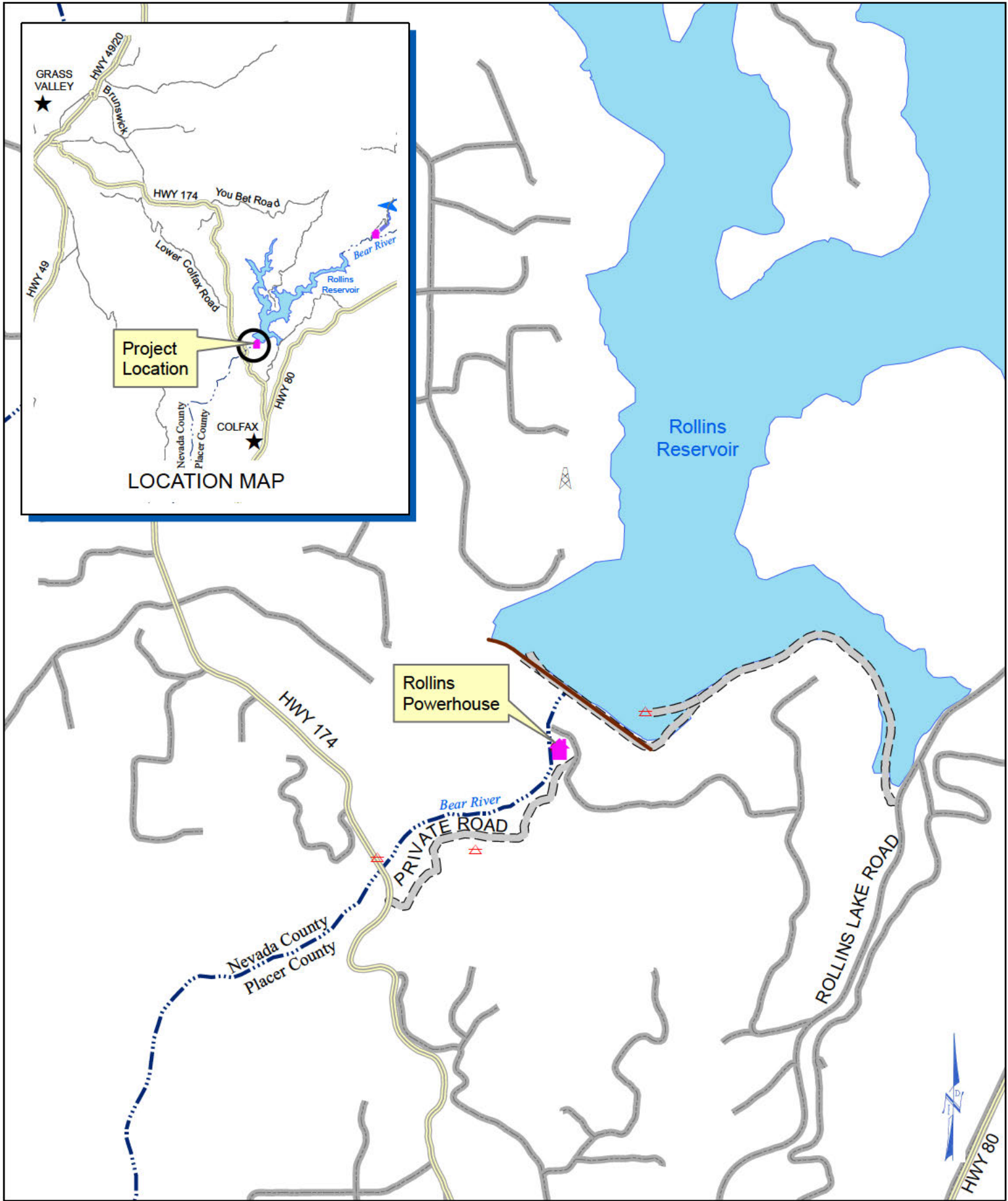
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Rollins Powerhouse Governor Replacement

Project No.: 2392

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	7
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	7
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	8
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	7
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	2
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	7
Max Score:100		Total Prioritization Score:73



## ROLLINS POWERHOUSE



Date: 9/15/2021  
 Drawn By: NID

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY – PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Rollins Powerhouse Relay Protection Upgrade**

**Project No.: 2394**

Dept. 50112-HYDRO Program: 52920-Powerhouse Improvements

Priority Ranking: 70

Facility: Rollins Powerhouse Facility #: 57400

Division #: N/A

Project Manager: Nathan Droivold

Constructed by: NID

New Construction:  Replacement:  Upgrades:  Multiple Phases:

CEQA: Exempt Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)

Provide improved high voltage protection for RPH by upgrading the relay system. This will improve plant efficiency and better protect onsite equipment.

**Project Description:** (Proposed Solution)

Upgrade protective relay system by removing original (1980's vintage) electro-mechanical relays and installing new programmable, multi-function relays and annunciators.

**Basis for Priority:**

Equipment protection, critical powerhouse system

**Project Financial Summary:**

Project Estimate:450,000 Total Spent to Date:25,000 Current Year Budget:150,000

Anticipated Expenses to End of Year:125,000 Amount Remaining in Current Year Budget:125,000

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies	\$200,000							\$200,000
Design/Engineering								0
Permitting/CEQA								0
Construction			\$250,000					\$250,000
Right of Way								0
Other:								0
<b>Total:</b>	\$200,000	0	\$250,000	0	0	0	0	\$450,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52920	\$200,000		\$250,000					\$450,000
								0
								0
<b>Total:</b>	\$200,000	0	\$250,000	0	0	0	0	\$450,000

**Notes:**

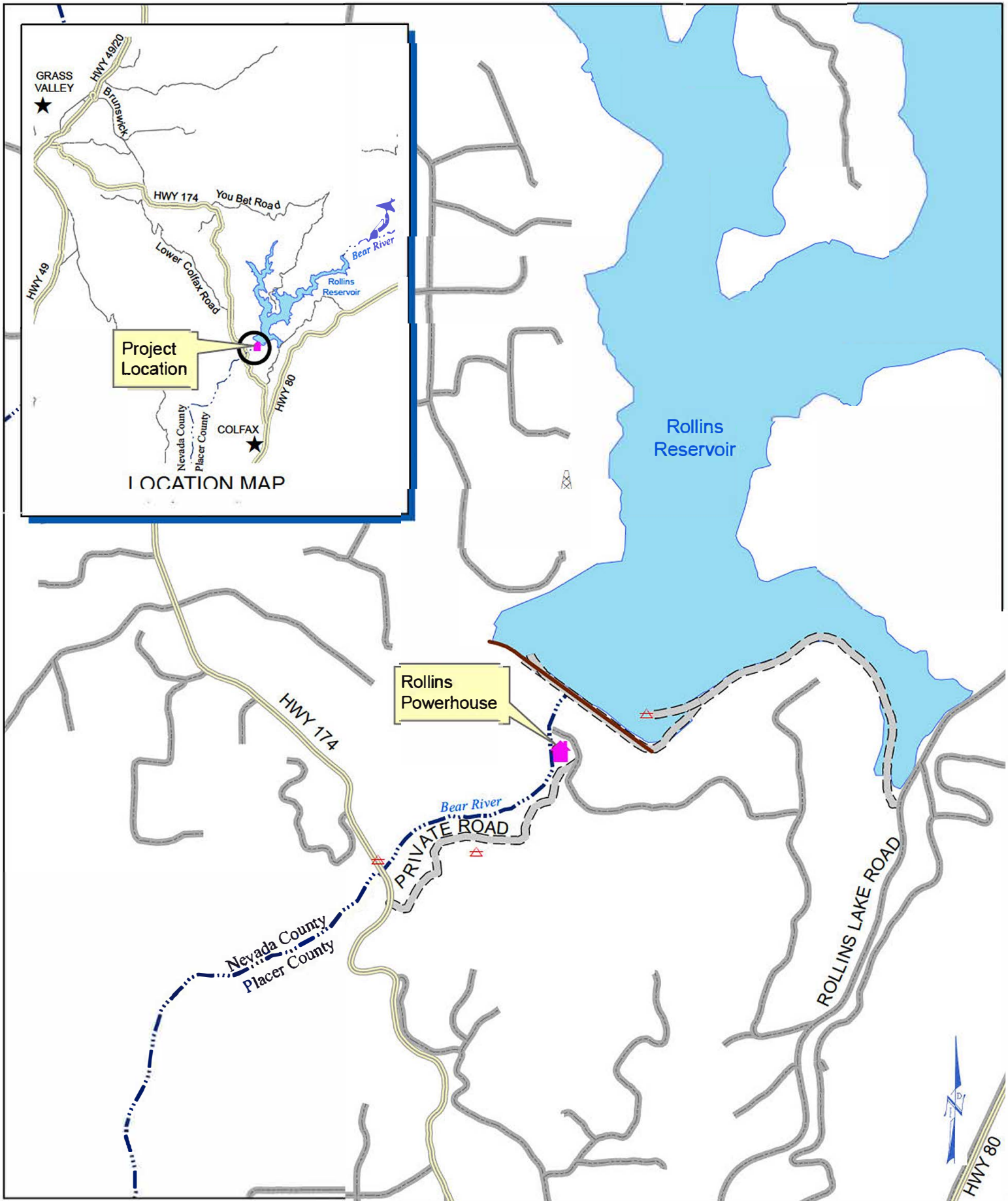


## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Rollins Powerhouse Relay Protection Upgrade

Project No.:2394

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	6
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	7
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	8
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	7
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	7
Max Score:100		Total Prioritization Score:70



# ROLLINS POWERHOUSE



Date: 9/15/2021  
 Drawn By: NID

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY -- PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Fall Creek Flume Improvements**

**Project No.: 2404**

Dept. 50112-HYDRO Program: 52923-Upper Division Waterway Priority Ranking: 68

Facility: Bowman-Spaulling Canal Facility #: 57202 Division #: N/A

Project Manager: Phil Nedved Constructed by: NID

New Construction: Replacement:  Upgrades: Multiple Phases:

CEQA: TBD Permits: TBD ROW: N/A

**Project Purpose:** (Problem Statement)

Make structural enhancements to improve the reliability of the Fall Creek Flume on the BS Canal.

**Project Description:** (Proposed Solution)

Replace flume sheets and associated hardware.

**Basis for Priority:**

Public safety, critical infrastructure

**Project Financial Summary:**

Project Estimate:200,000 Total Spent to Date:0 Current Year Budget:50,000  
 Anticipated Expenses to End of Year:50,000 Amount Remaining in Current Year Budget:50,000

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction	\$50,000		\$150,000					\$200,000
Right of Way								0
Other:								0
<b>Total:</b>	\$50,000	0	\$150,000	0	0	0	0	\$200,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52923	\$50,000		\$150,000					\$200,000
								0
								0
<b>Total:</b>	\$500,000	0	\$150,000	0	0	0	0	\$200,000

**Notes:**

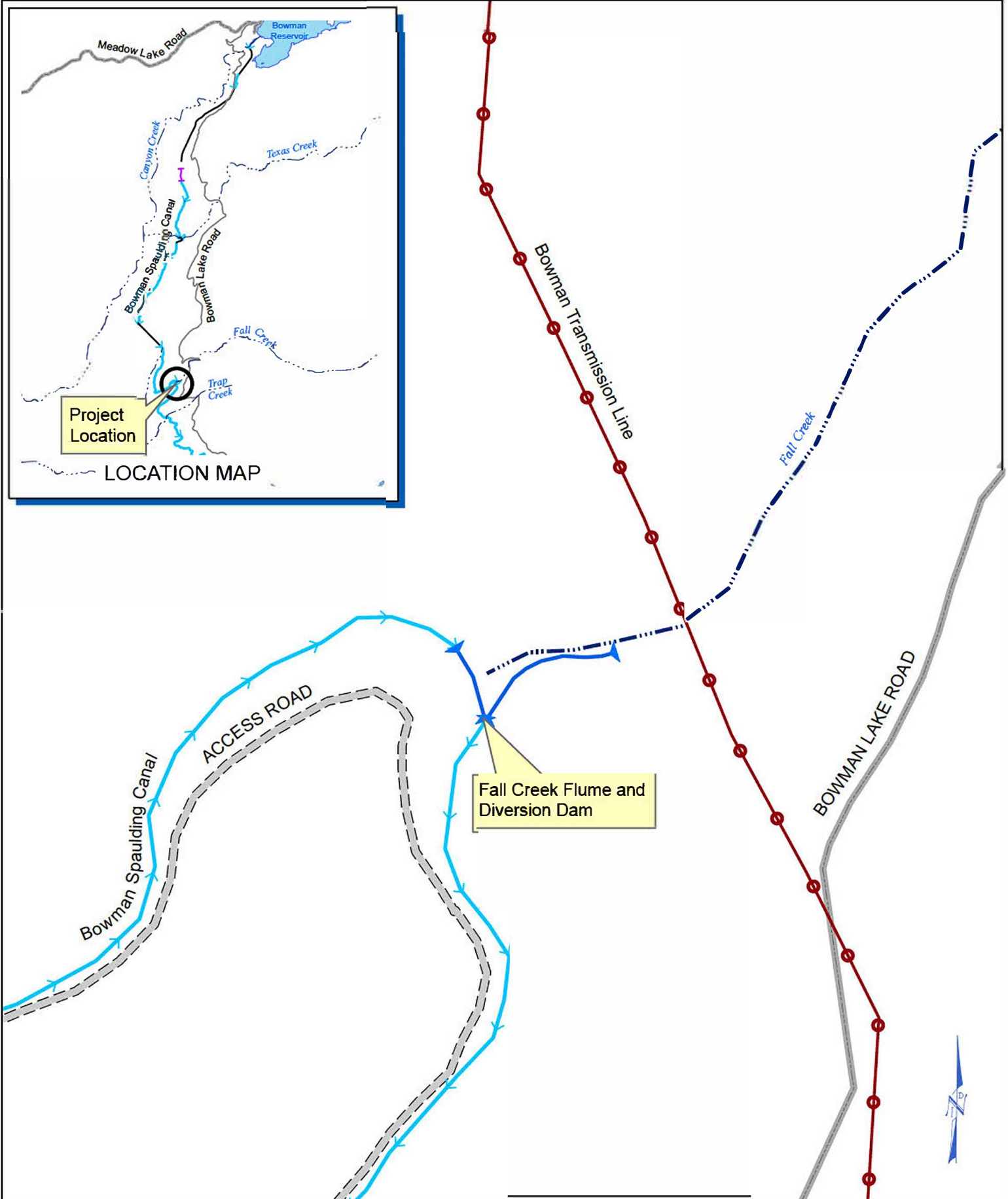
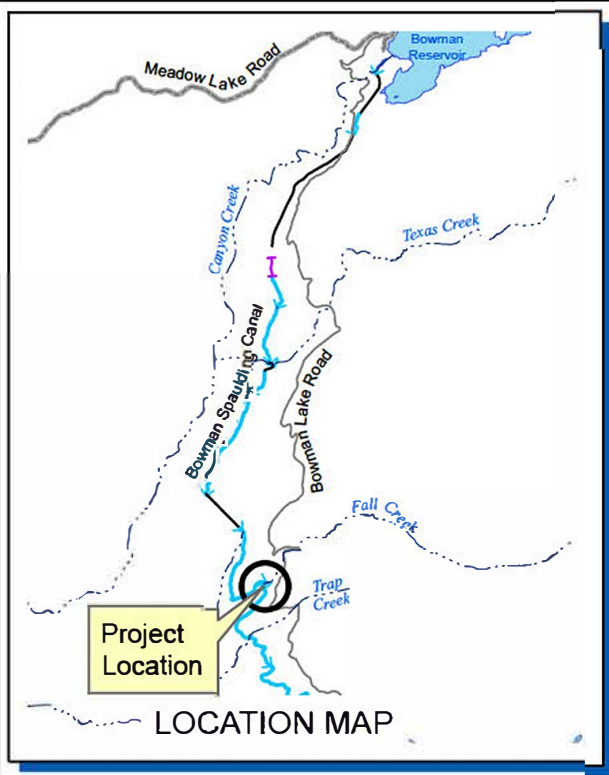
## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Fall Creek Flume Improvements

Project No.:2404

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	7
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	6
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	10
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:68





### FALL CREEK FLUME/DIVERSION



Date: 9/14/2021

Drawn By: NID

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1



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## 2022 Annual Budget

**Project Name:** New Hydroelectric Field Office 2 Radio Tower

**Project No.:** 2405

Dept. 50112-HYDRO Program: 52924-SCADA Communication

Priority Ranking: 63

Facility: Hydro Headquarters Facility #: 57010

Division #: N/A

Project Manager: Nathan Droivold

Constructed by: Contractors

New Construction:

Replacement:

Upgrades:

Multiple Phases:

CEQA:

Permits:

ROW:

**Project Purpose:** (Problem Statement)

Provide a communication link for remote NID facilities to bring SCADA data to Hydro HQ.

**Project Description:** (Proposed Solution)

Construct a new microwave radio tower at the site of NID Hydro's future field office. Includes design, permitting, earthworks, tower build, and equipment installation.

**Basis for Priority:**

Operational efficiency

**Project Financial Summary:**

Project Estimate: 1,410,000

Total Spent to Date: 57,800

Current Year Budget: 0

Anticipated Expenses to End of Year: 0

Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies	\$57,800							\$57,800
Design/Engineering			\$100,000					\$100,000
Permitting/CEQA			\$50,000					\$50,000
Construction			\$200,000	\$1,000,000				\$1,200,000
Right of Way								0
Other:								0
<b>Total:</b>	\$57,800	0	\$350,000	\$1,000,000	0	0	0	\$1,410,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52924	\$57,800		\$350,000	\$1,000,000				\$1,410,000
								0
								0
<b>Total:</b>	\$57,800	0	\$350,000	\$1,000,000	0	0	0	\$1,410,000

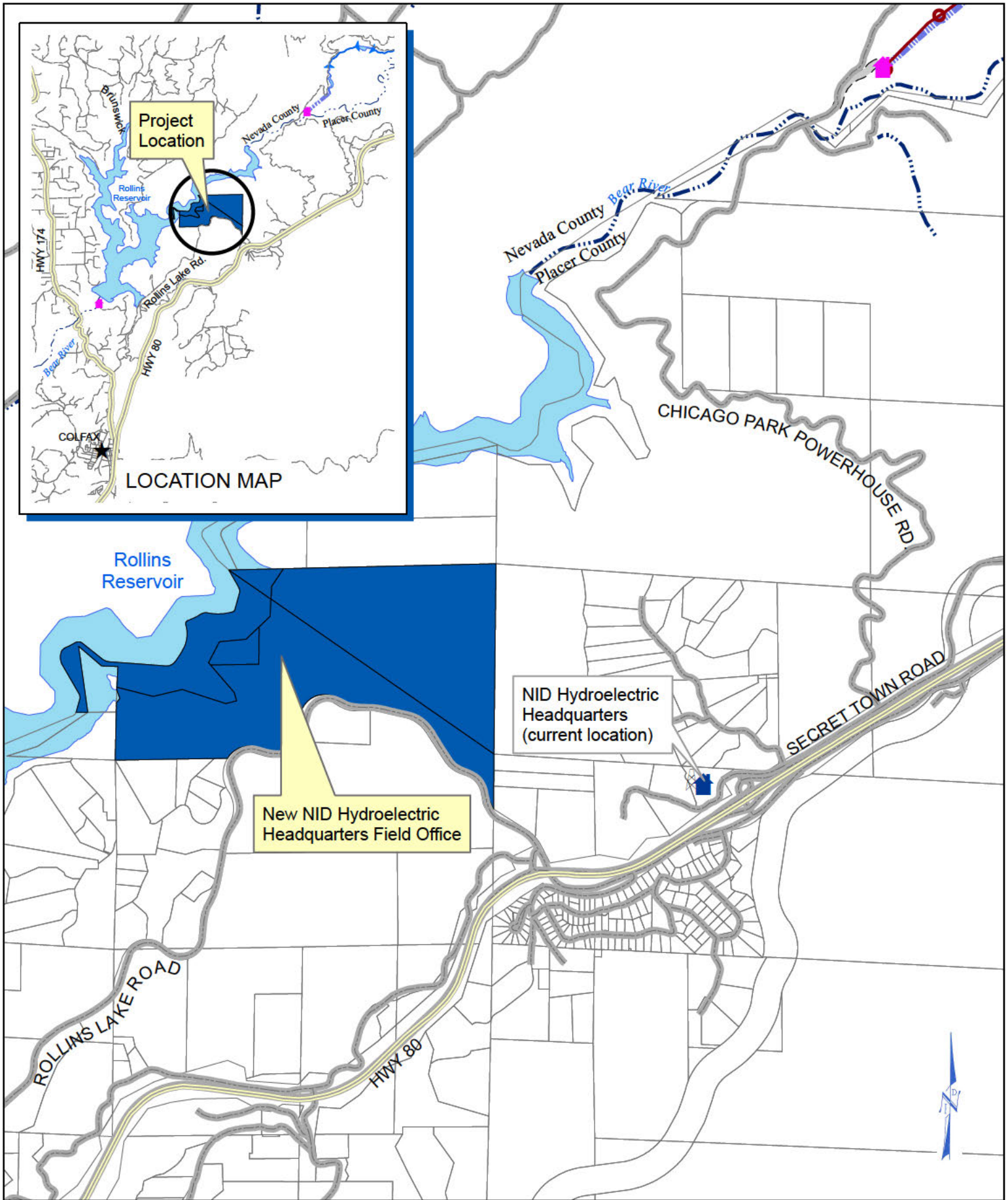
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: New Hydroelectric Field Office 2 Radio Tower

Project No.:2405

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	6
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	7
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	7
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	0
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	3
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	7
Max Score:100		Total Prioritization Score:63



## NEW HYDROELECTRIC FIELD OFFICE



Date: 9/15/2021

Drawn By: NID

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY – PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1





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## 2022 Annual Budget

**Project Name: New Hydroelectric Office Design & Construction**      **Project No.: 2432**

Dept. 50112-HYDRO      Program: 52915-Non-Programmatic      Priority Ranking: 48

Facility: Hydro Headquarters      Facility #: 57010      Division #: N/A

Project Manager: Keane Sommers      Constructed by: Contractors

New Construction:       Replacement:      Upgrades:      Multiple Phases:

CEQA:       Permits:       ROW:

**Project Purpose: (Problem Statement)**

Provide a new office building for the Hydroelectric Department to meet the needs of anticipated future growth required by NID's new FERC license. The new office space should provide additional parking, improved office spaces, and expanded shop and warehouse spaces to adequately store and maintain equipment.

**Project Description: (Proposed Solution)**

Design and construct a new office building on property owned by NID on Rollins Lake Road to meet the growing needs of the Hydroelectric Department.

**Basis for Priority:**

Spatial needs, efficiency

**Project Financial Summary:**

Project Estimate:500,000      Total Spent to Date:250,000      Current Year Budget:250,000

Anticipated Expenses to End of Year:0      Amount Remaining in Current Year Budget:250,000

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering	250,000		250,000					500,000
Permitting/CEQA								0
Construction								0
Right of Way								0
Other:								0
<b>Total:</b>	250,000	0	250,000	0	0	0	0	500,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52915	250,000		250,000					500,000
								0
								0
<b>Total:</b>	250,000	0	250,000	0	0	0	0	500,000

**Notes:**

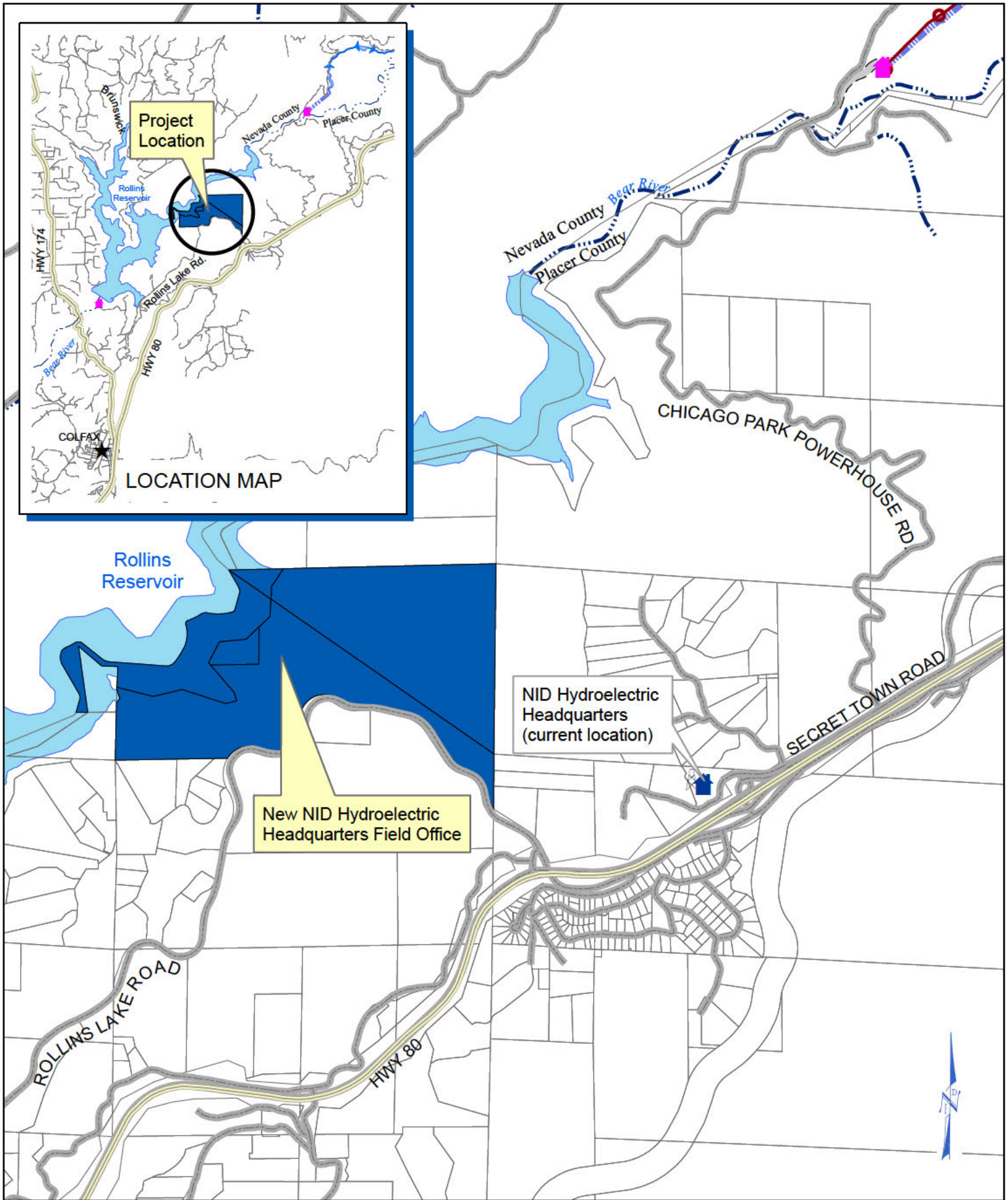


## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: New Hydroelectric Office Design & Construction

Project No.: 2432

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	6
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	7
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	4
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	2
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	2
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score: 48



## NEW HYDROELECTRIC FIELD OFFICE



Date: 9/15/2021

Drawn By: NID

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY – PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1







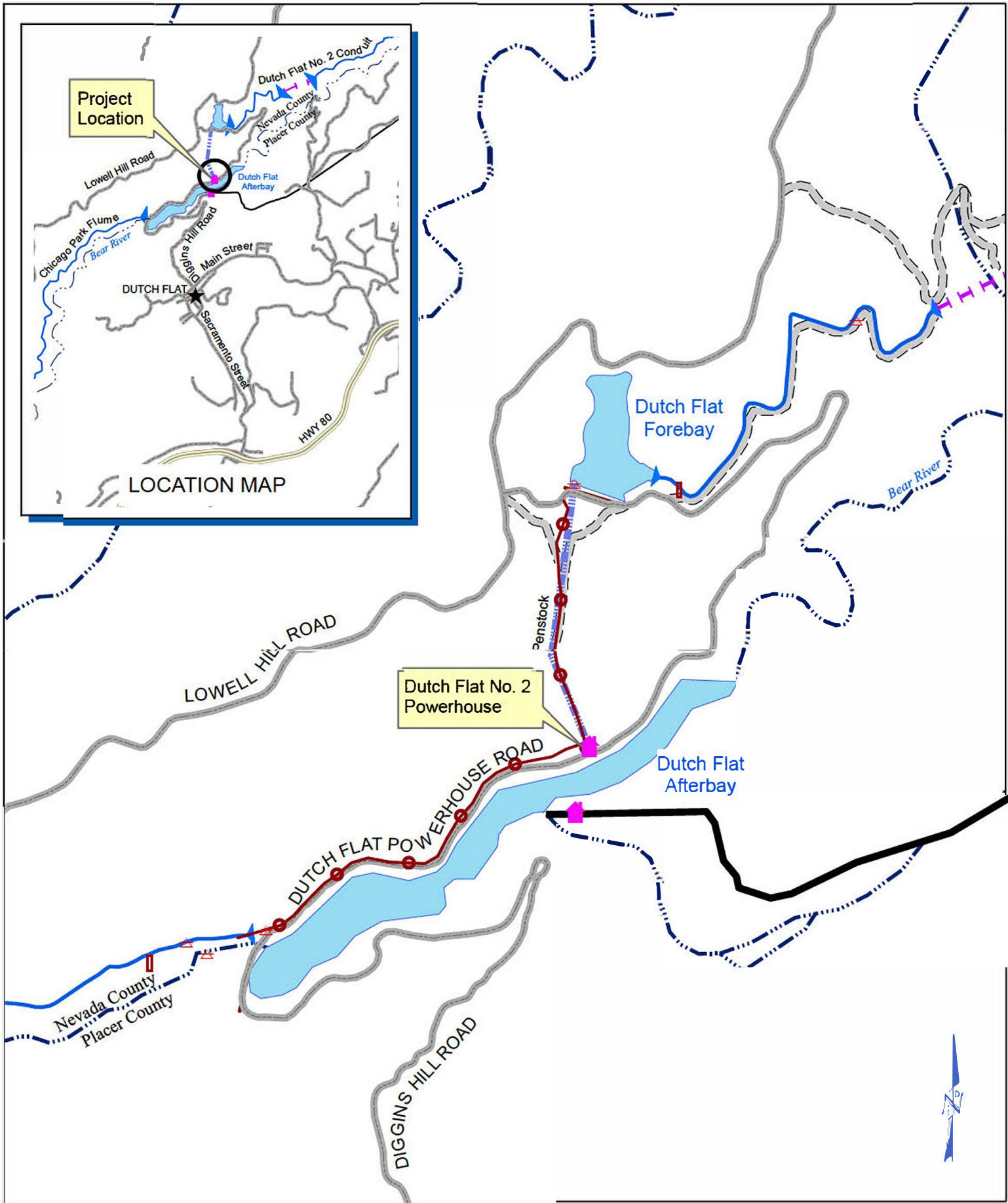


## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Dutch Flat #2 Powerhouse Cooling Water Upgrade

Project No.: 2544

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	8
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	9
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	7
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	4
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	1
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	7
Max Score:100		Total Prioritization Score:66



## DUTCH FLAT NO. 2 POWERHOUSE



Date: 9/14/2021

Drawn By: NID

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY - PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Fall Creek Diversion Flume Improvements**

**Project No.: 2576**

Dept. 50112-HYDRO Program: 52923-Upper Division Waterway Priority Ranking: 65

Facility: Fall Creek Flume Facility #: 57205 Division #: N/A

Project Manager: Phil Nedved Constructed by: NID

New Construction: Replacement:  Upgrades: Multiple Phases:

CEQA: Exempt Permits: TBD ROW: N/A

**Project Purpose:** (Problem Statement)

Make structural enhancements to improve the reliability of the Fall Creek Diversion Flume.

**Project Description:** (Proposed Solution)

Replace flume sheets and associated hardware.

**Basis for Priority:**

Public safety, critical infrastructure

**Project Financial Summary:**

Project Estimate: 100,000 Total Spent to Date: 0 Current Year Budget: 0

Anticipated Expenses to End of Year: 0 Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			\$100,000					\$100,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$100,000	0	0	0	0	\$100,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52923			\$100,000					\$100,000
								0
								0
<b>Total:</b>	0	0	\$100,000	0	0	0	0	\$100,000

**Notes:**

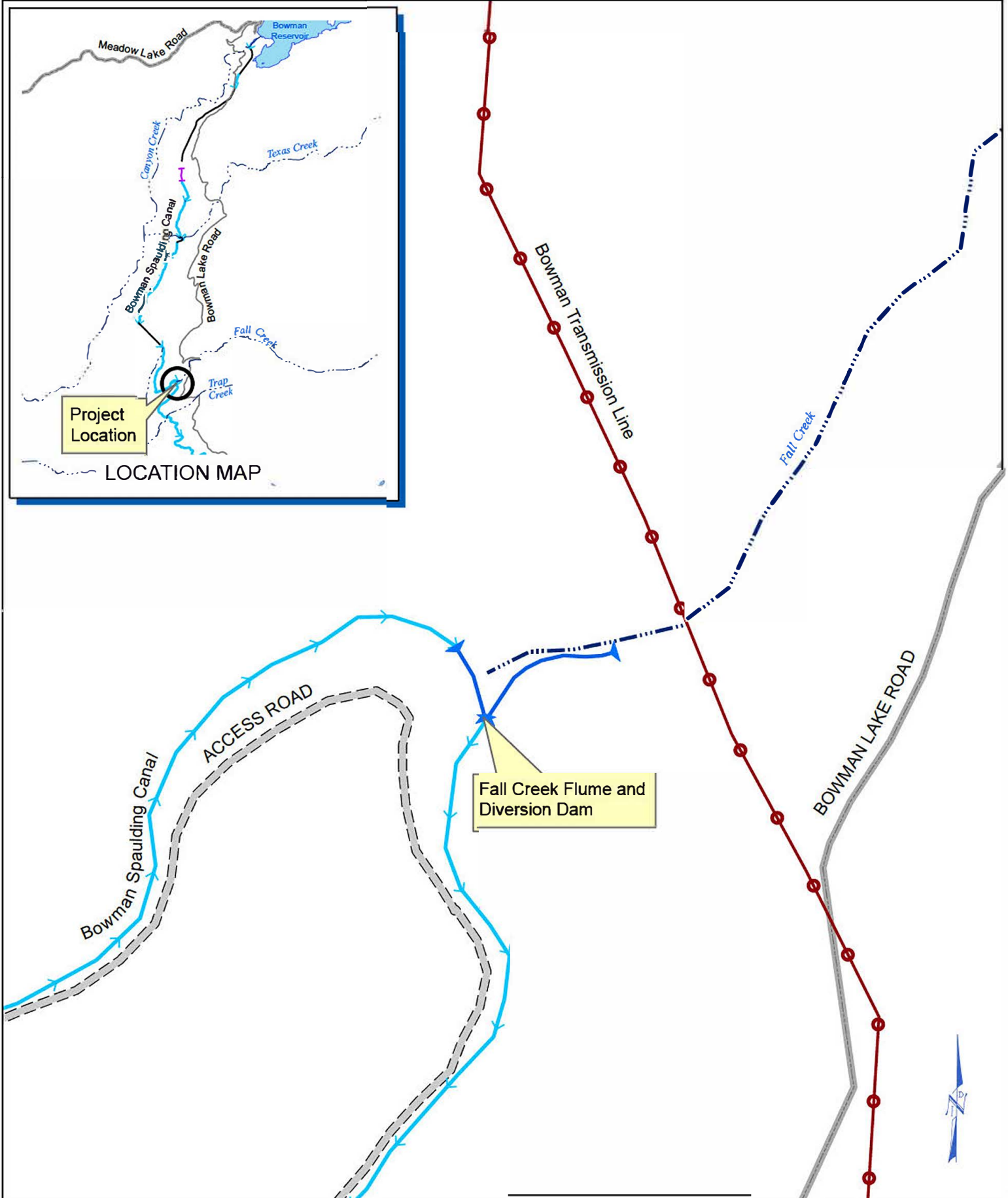
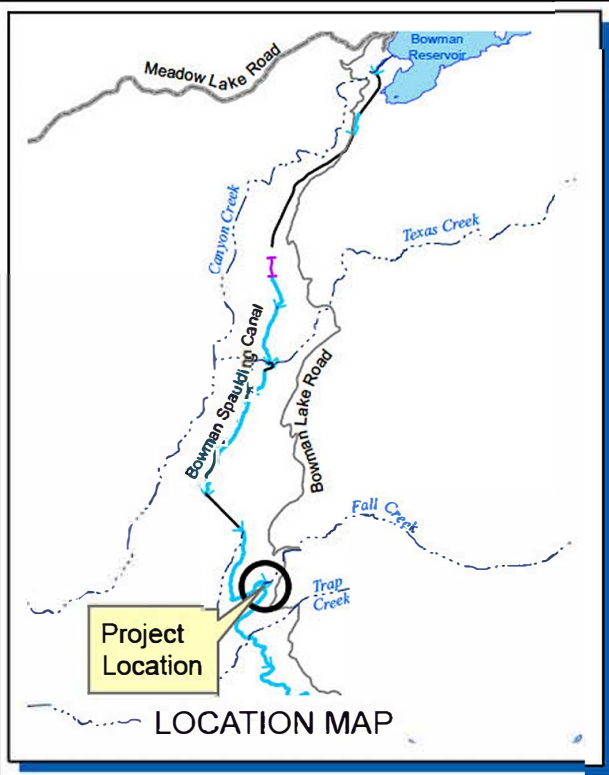


## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Fall Creek Diversion Flume Improvements

Project No.: 2576

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	7
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	6
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	7
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:65



### FALL CREEK FLUME/DIVERSION



Date: 9/14/2021

Drawn By: NID

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1









## 2022 Annual Budget

**Project Name: Combie North Capacitor Bank Upgrade**

**Project No.: 2581**

Dept. 50112-HYDRO Program: 52920-Powerhouse Improvements

Priority Ranking: 67

Facility: Combie North Powerhouse Facility #: 57600

Division #: N/A

Project Manager: Thomas Kluge

Constructed by: NID

New Construction: Replacement:  Upgrades:  Multiple Phases:

CEQA: Exempt Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)

Replace existing capacitor bank at Combie North Powerhouse to improve the reliability and efficiency of power generation of the facility for variable flow conditions through CNPH. The existing arrangement limits generation to specific flow condition which, when not met, caused flow to be bypassed.

**Project Description:** (Proposed Solution)

Design and support the installation of a new capacitor bank for Combie North Powerhouse.

**Basis for Priority:**

Operational efficiency, critical powerhouse system

**Project Financial Summary:**

Project Estimate: 325,000 Total Spent to Date: 0 Current Year Budget: 0

Anticipated Expenses to End of Year: 0 Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering			\$75,000					\$75,000
Permitting/CEQA								0
Construction				\$250,000				\$250,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$75,000	\$250,000	0	0	0	\$325,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52920			\$75,000	\$250,000				\$325,000
								0
								0
<b>Total:</b>	0	0	\$75,000	\$250,000	0	0	0	\$325,000

**Notes:**

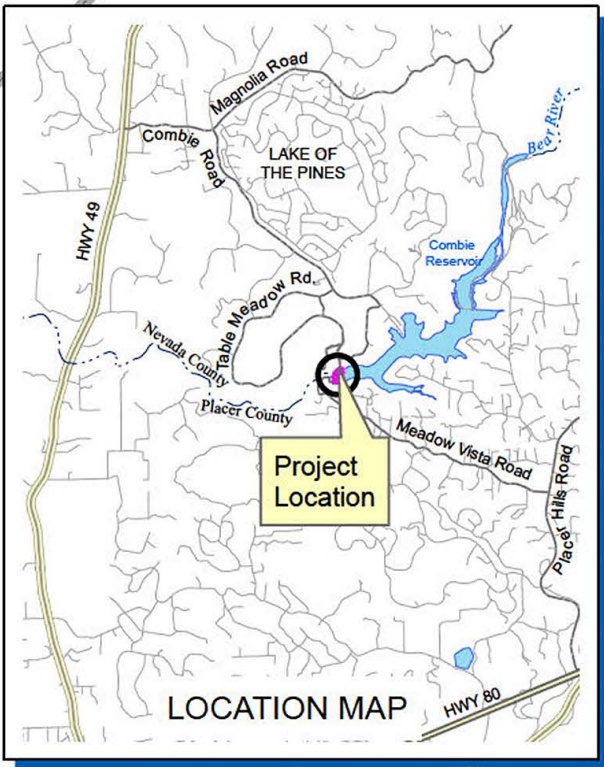
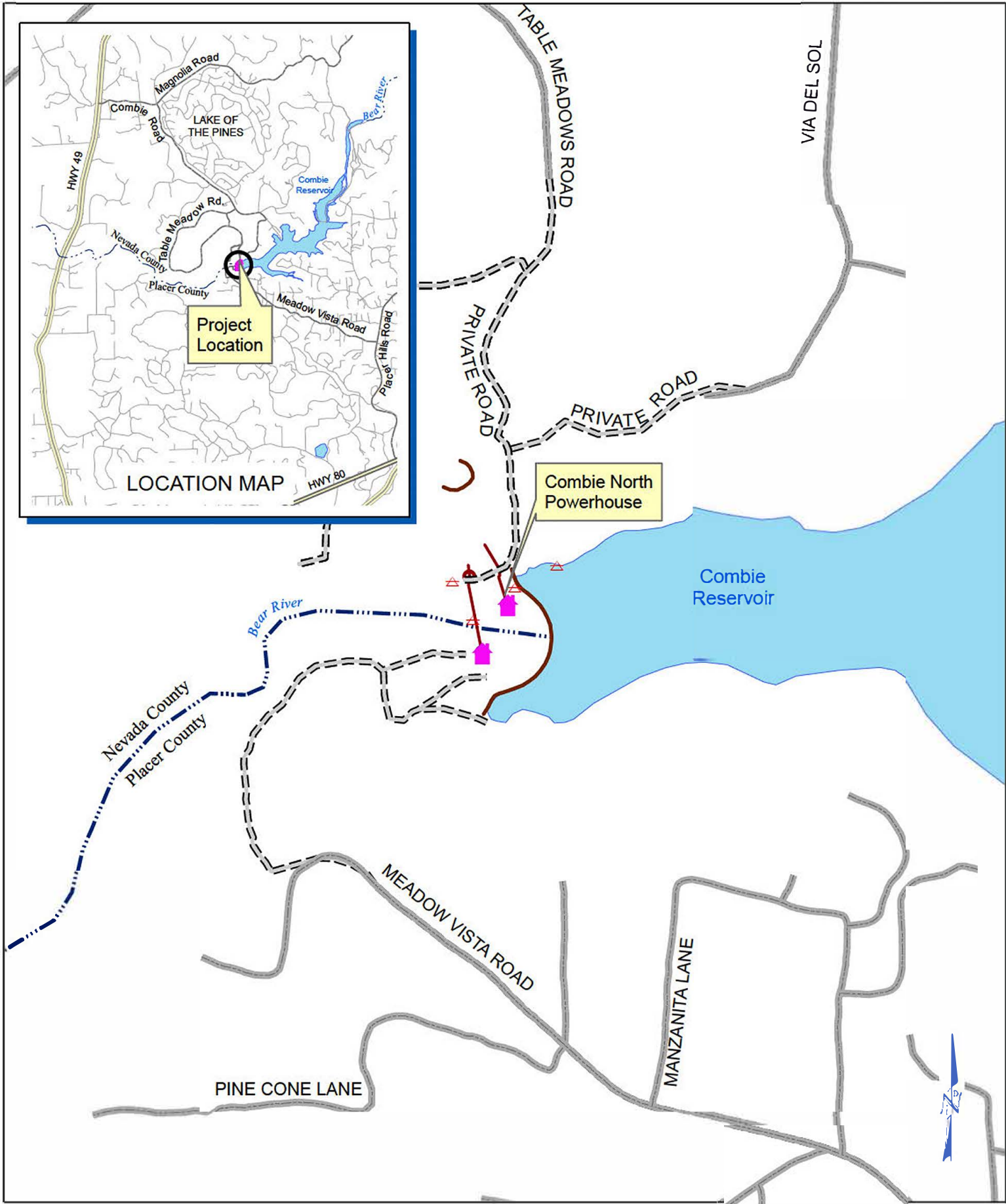
## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Combie North Capacitor Bank Upgrade

Project No.:2581

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	5
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	9
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	9
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	4
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:67





# COMBIE NORTH POWERHOUSE



Date: 9/15/2021

Drawn By: NID

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Scotts Flat Dam Wave Erosion Protection**

**Project No.: 2595**

Dept. 50112-HYDRO Program: 52921-Reservoirs, Dams & Waterways Priority Ranking: 74

Facility: Scotts Flat Dam Facility #: 57901 Division #: N/A

Project Manager: Dar Chen Constructed by: NID

New Construction: Replacement: Upgrades:  Multiple Phases:

CEQA: TBD Permits: TBD ROW: N/A

**Project Purpose:** (Problem Statement)

Protect the Scotts Flat Dam from erosive wave action during a probable maximum flood (PMF) event.

**Project Description:** (Proposed Solution)

Design and install new erosion protection at/near the crest of the upstream face of Scotts Flat Dam to protect the dam from wave action during a PMF event.

**Basis for Priority:**

Public safety, critical infrastructure, Regulator required

**Project Financial Summary:**

Project Estimate:525,000 Total Spent to Date:0 Current Year Budget:0

Anticipated Expenses to End of Year:0 Amount Remaining in Current Year Budget:0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies			\$75,000					\$75,000
Design/Engineering								0
Permitting/CEQA								0
Construction				\$450,000				\$450,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$75,000	\$450,000	0	0	0	\$525,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52921			\$75,000	\$450,000				\$525,000
								0
								0
<b>Total:</b>	0	0	\$75,000	\$450,000	0	0	0	\$525,000

**Notes:** Required by FERC

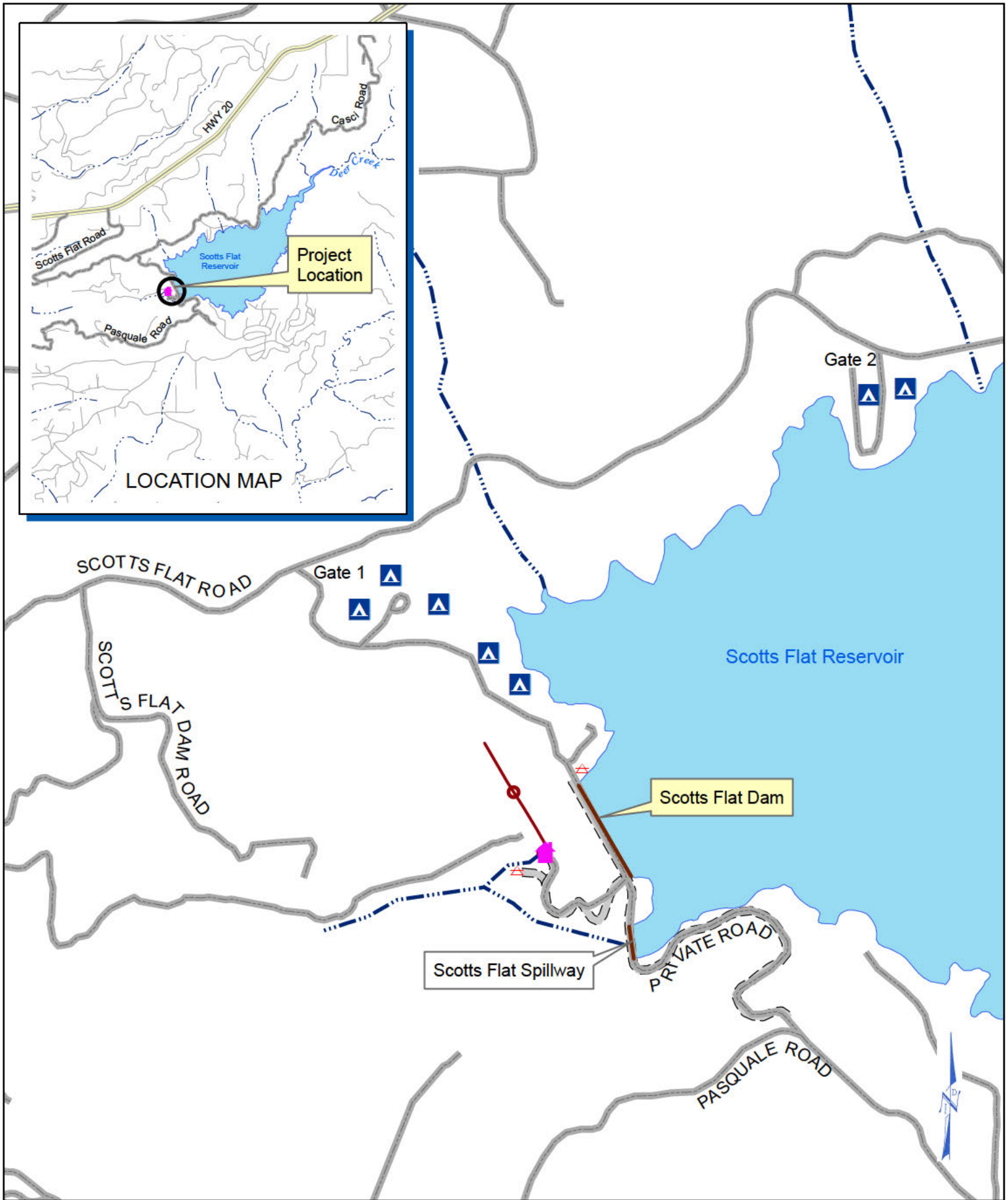
## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Scotts Flat Dam Wave Erosion Protection

Project No.:2595

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	6
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	5
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	9
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	7
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	9
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	10
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	8
Max Score:100		Total Prioritization Score:74





# SCOTTS FLAT DAM



Date: 9/15/2021  
 Drawn By: NID

NEVADA IRRIGATION DISTRICT  
 NEVADA COUNTY – PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1







## 2022 Annual Budget

**Project Name: Sawmill Dam Outlet Pipe Rehabilitation**

**Project No.: 2596**

Dept. 50112-HYDRO Program: 52921-Reservoirs, Dams & Waterways Priority Ranking: 69

Facility: Sawmill Dam Facility #: 57108 Division #: N/A

Project Manager: Dar Chen Constructed by: Contractors

New Construction: Replacement:  Upgrades:  Multiple Phases:

CEQA: TBD Permits: TBD ROW: N/A

**Project Purpose:** (Problem Statement)

Improve integrity and soundness of the outlet pipe to ensure safe performance of Sawmill Dam.

**Project Description:** (Proposed Solution)

Investigate and survey the conditions of the outlet pipe of Sawmill Dam. Design the repair, modification, and/or replacement of the existing pipe, and complete the construction.

**Basis for Priority:**

Public safety, critical infrastructure, Regulator required

**Project Financial Summary:**

Project Estimate:500,000 Total Spent to Date:0 Current Year Budget:0

Anticipated Expenses to End of Year:0 Amount Remaining in Current Year Budget:0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies			\$100,000					\$100,000
Design/Engineering								0
Permitting/CEQA								0
Construction				\$400,000				\$400,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$100,000	\$400,000	0	0	0	\$500,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52921			\$100,000	\$400,000				\$500,000
								0
								0
<b>Total:</b>	0	0	\$100,000	\$400,000	0	0	0	\$500,000

**Notes:** Required by FERC

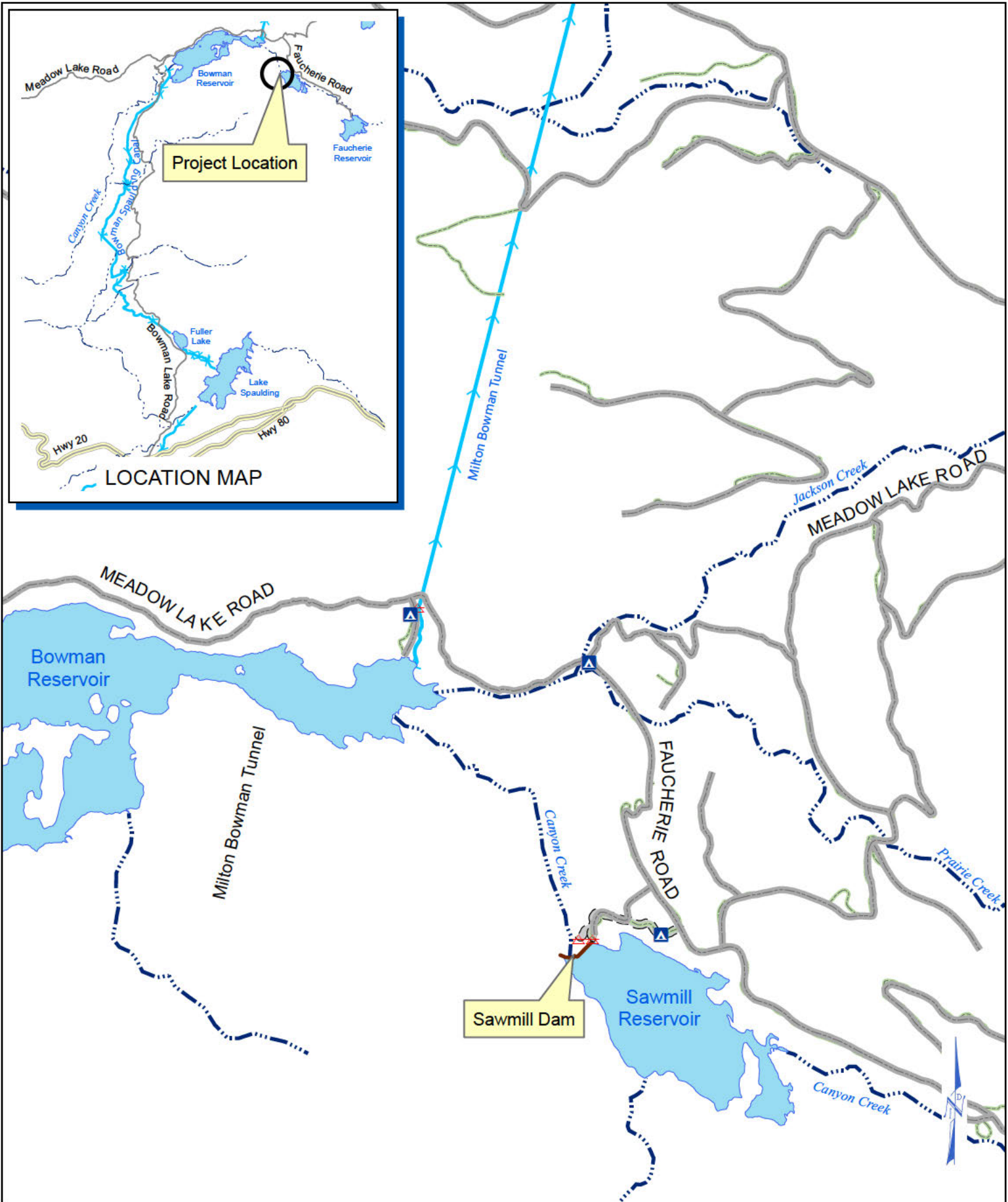
## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Sawmill Dam Outlet Pipe Rehabilitation

Project No.: 2596

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	5
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	9
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	7
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	7
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	9
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:69





# SAWMILL DAM



Date: 9/13/2021

Drawn By: NID

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY – PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1









## 2022 Annual Budget

**Project Name: Jackson Lake Dam Toe Slope Protection**

**Project No.: 2597**

Dept. 50112-HYDRO Program: 52921-Reservoirs, Dams & Waterways Priority Ranking: 66

Facility: Jackson Lake Dam Facility #: 57105 Division #: N/A

Project Manager: Dar Chen Constructed by: NID

New Construction: Replacement: Upgrades:  Multiple Phases:

CEQA: TBD Permits: TBD ROW: N/A

**Project Purpose:** (Problem Statement)

Stabilize the slopes near the downstream outlet end of Jackson Lake Dam.

**Project Description:** (Proposed Solution)

Design and construct stabilization measures to ensure the long-term stability of the toe slopes near the downstream outlet end.

**Basis for Priority:**

Public safety, critical infrastructure, Regulator required

**Project Financial Summary:**

Project Estimate:120,000 Total Spent to Date:0 Current Year Budget:0

Anticipated Expenses to End of Year:0 Amount Remaining in Current Year Budget:0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering			\$20,000					\$20,000
Permitting/CEQA								0
Construction				\$100,000				\$100,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$20,000	\$100,000	0	0	0	\$120,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52921			\$20,000	\$100,000				\$120,000
								0
								0
<b>Total:</b>	0	0	\$20,000	\$100,000	0	0	0	\$120,000

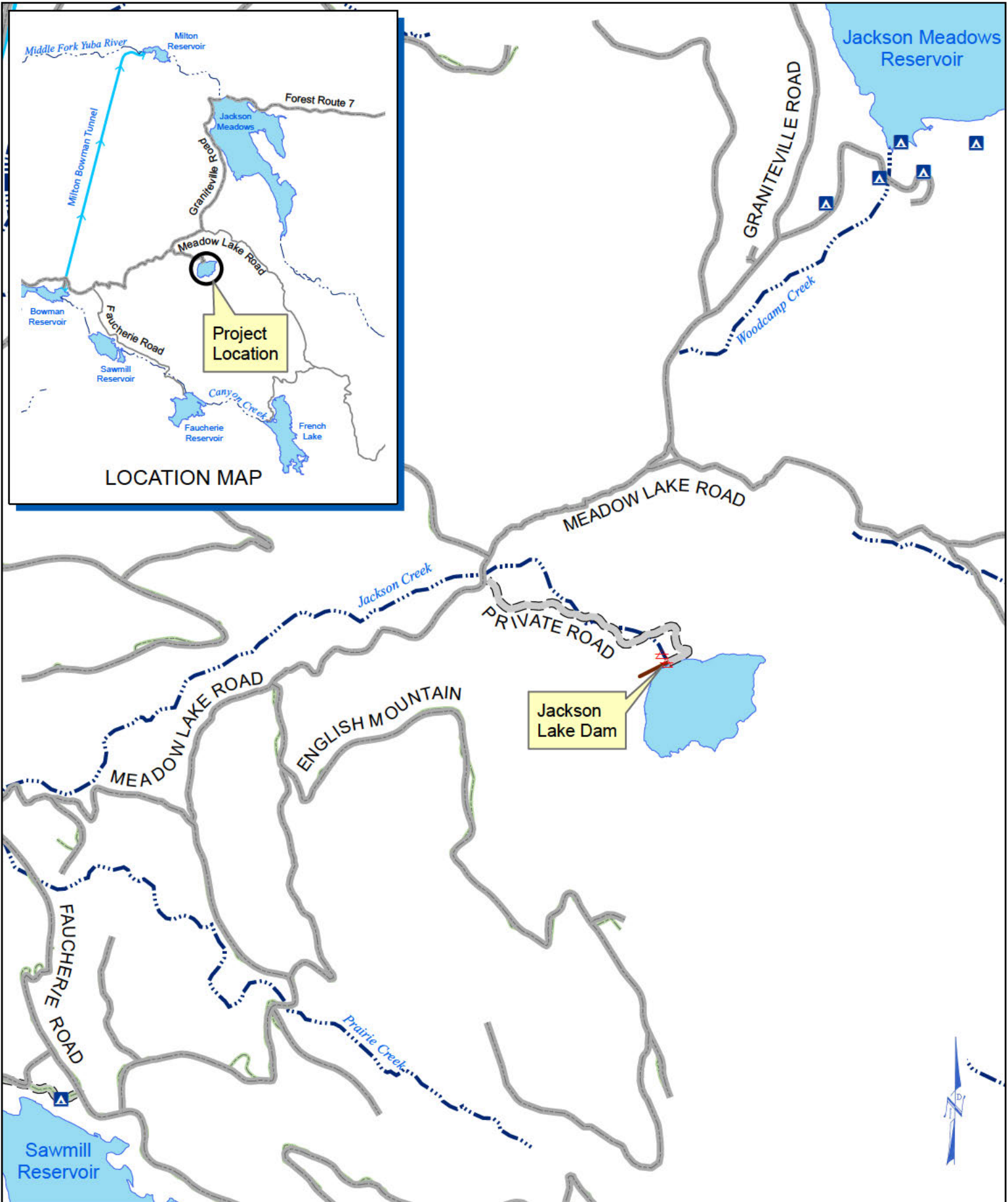
**Notes:** Required by FERC

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Jackson Lake Dam Toe Slope Protection

Project No.:2597

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	5
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	9
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	7
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	8
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:66



# JACKSON LAKE DAM



Date: 9/13/2021

Drawn By: NID

**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY – PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1







## 2022 Annual Budget

**Project Name: Chicago Park Powerhouse RTU Replacement**

**Project No.: 2598**

Dept. 50112-HYDRO Program: 52920-Powerhouse Improvements

Priority Ranking: 67

Facility: Chicago Park Powerhouse Facility #: 57300

Division #: N/A

Project Manager: Nathan Droivold

Constructed by: NID

New Construction: Replacement:  Upgrades: Multiple Phases:

CEQA: Exempt Permits: N/A ROW: N/A

**Project Purpose:** (Problem Statement)

Replace obsolete hardware for critical SCADA systems.

**Project Description:** (Proposed Solution)

Specify, procure, and install new remote terminal unit (RTU) for Chicago Park Powerhouse to provide modern, onsite SCADA alarming.

**Basis for Priority:**

Operational efficiency, critical powerhouse system, replacing obsolete equipment

**Project Financial Summary:**

Project Estimate:200,000 Total Spent to Date:0 Current Year Budget:0

Anticipated Expenses to End of Year:0 Amount Remaining in Current Year Budget:0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering			\$50,000					\$50,000
Permitting/CEQA								0
Construction			\$150,000					\$150,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$200,000	0	0	0	0	\$200,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52920			\$200,000					\$200,000
								0
								0
<b>Total:</b>	0	0	\$200,000	0	0	0	0	\$200,000

**Notes:**

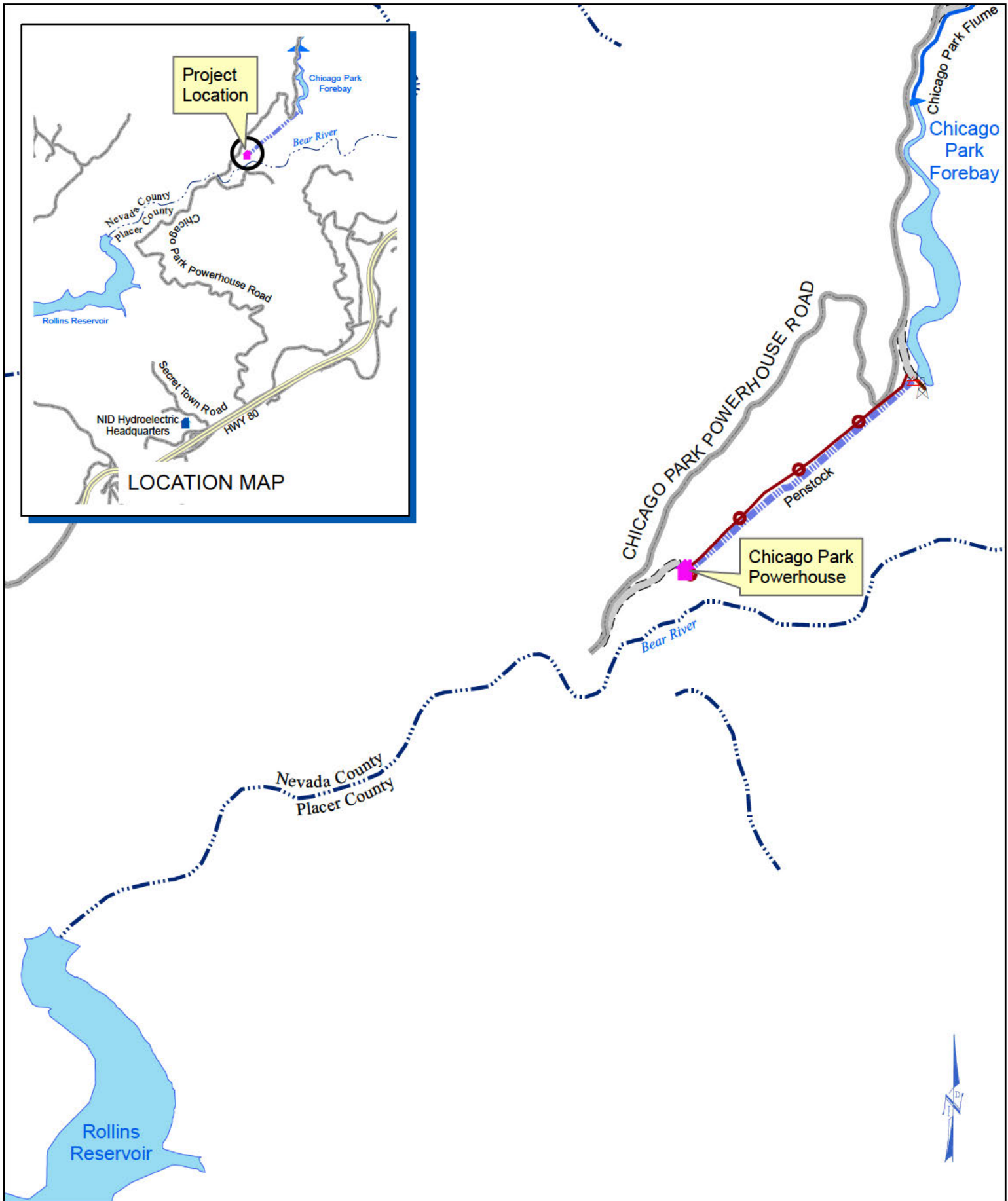


## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Chicago Park Powerhouse RTU Replacement

Project No.: 2598

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	8
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	5
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	8
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	7
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	2
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:67



# CHICAGO PARK POWERHOUSE



Date: 9/14/2021

Drawn By: NID

*NEVADA IRRIGATION DISTRICT*

NEVADA COUNTY – PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Christmas Tree Spill Gate Replacement**

**Project No.: 2599**

Dept. 50112-HYDRO Program: 52923-Upper Division Waterway

Priority Ranking: 73

Facility: Bowman-Spaulding Canal Facility #: 57202

Division #: N/A

Project Manager: Nathan Droivold

Constructed by: NID

New Construction:            Replacement:             Upgrades:             Multiple Phases:

CEQA: Exempt                            Permits: N/A                            ROW: N/A

**Project Purpose:** (Problem Statement)

Improve canal operational efficiency and reduce safety hazards related to operator callouts during storm events.

**Project Description:** (Proposed Solution)

Replace existing radial gate at Christmas Tree Spill with an overshot gate to improve personnel safety and operational performance.

**Basis for Priority:**

Health and safety, operational efficiency

**Project Financial Summary:**

Project Estimate: 300,000                            Total Spent to Date: 0                            Current Year Budget: 0

Anticipated Expenses to End of Year: 0                            Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering			\$50,000					\$50,000
Permitting/CEQA								0
Construction				\$250,000				\$250,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$50,000	\$250,000	0	0	0	\$300,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52920			\$50,000	\$250,000				\$300,000
								0
								0
<b>Total:</b>	0	0	\$50,000	\$250,000	0	0	0	\$300,000

**Notes:**

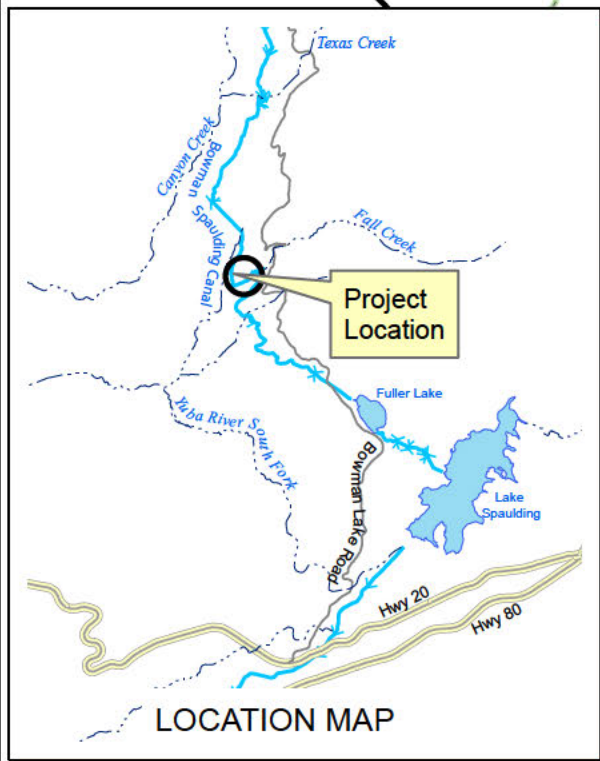
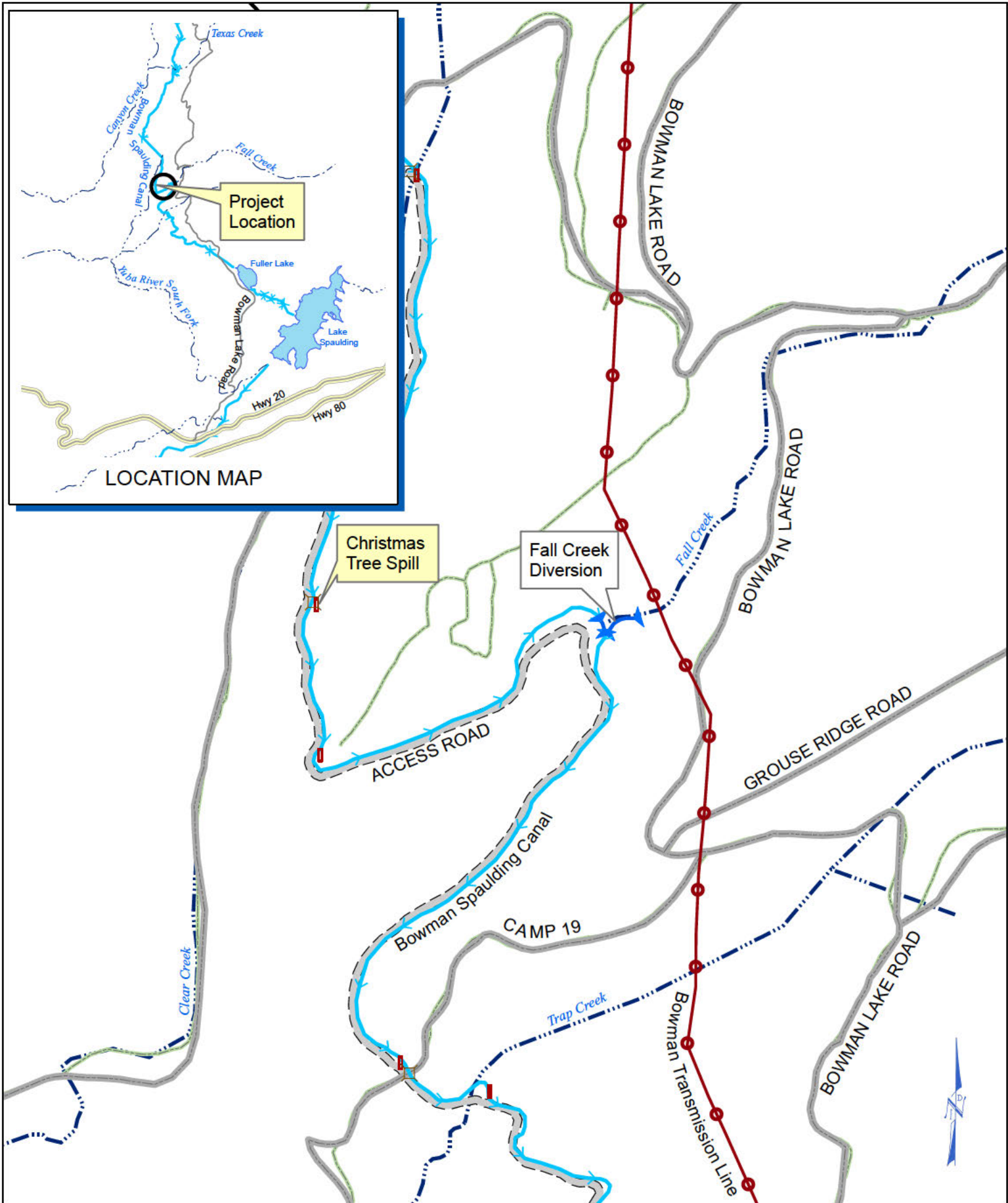
## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Christmas Tree Spill Gate Replacement

Project No.:2599

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	7
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	7
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	10
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	8
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	10
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	4
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	1
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	6
Max Score:100		Total Prioritization Score:73





LOCATION MAP

### CHRISTMAS TREE SPILL



Date: 9/16/2021

Drawn By: NID

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY – PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1





## 2022 Annual Budget

**Project Name: Bowman-Spaulding Canal Lining Repair at Boxcar Spill**      **Project No.: 2600**

Dept. 50112-HYDRO      Program: 52923-Upper Division Waterway      Priority Ranking: 65

Facility: Bowman-Spaulding Canal      Facility #: 57202      Division #: N/A

Project Manager: Nathan Droivold      Constructed by: NID

New Construction:      Replacement:       Upgrades:      Multiple Phases:

CEQA: Exempt      Permits: N/A      ROW: N/A

**Project Purpose:** (Problem Statement)

Prevent further erosive damage by repairing the damaged shotcrete liner.

**Project Description:** (Proposed Solution)

Repair deteriorated shotcrete liner of the Bowman-Spaulding Canal.

**Basis for Priority:**

Public safety, critical infrastructure

**Project Financial Summary:**

Project Estimate: 400,000      Total Spent to Date: 0      Current Year Budget: 0

Anticipated Expenses to End of Year: 0      Amount Remaining in Current Year Budget: 0

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								0
Construction			\$400,000					\$400,000
Right of Way								0
Other:								0
<b>Total:</b>	0	0	\$400,000	0	0	0	0	\$400,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52923			\$400,000					\$400,000
								0
								0
<b>Total:</b>	0	0	\$400,000	0	0	0	0	\$400,000

**Notes:**

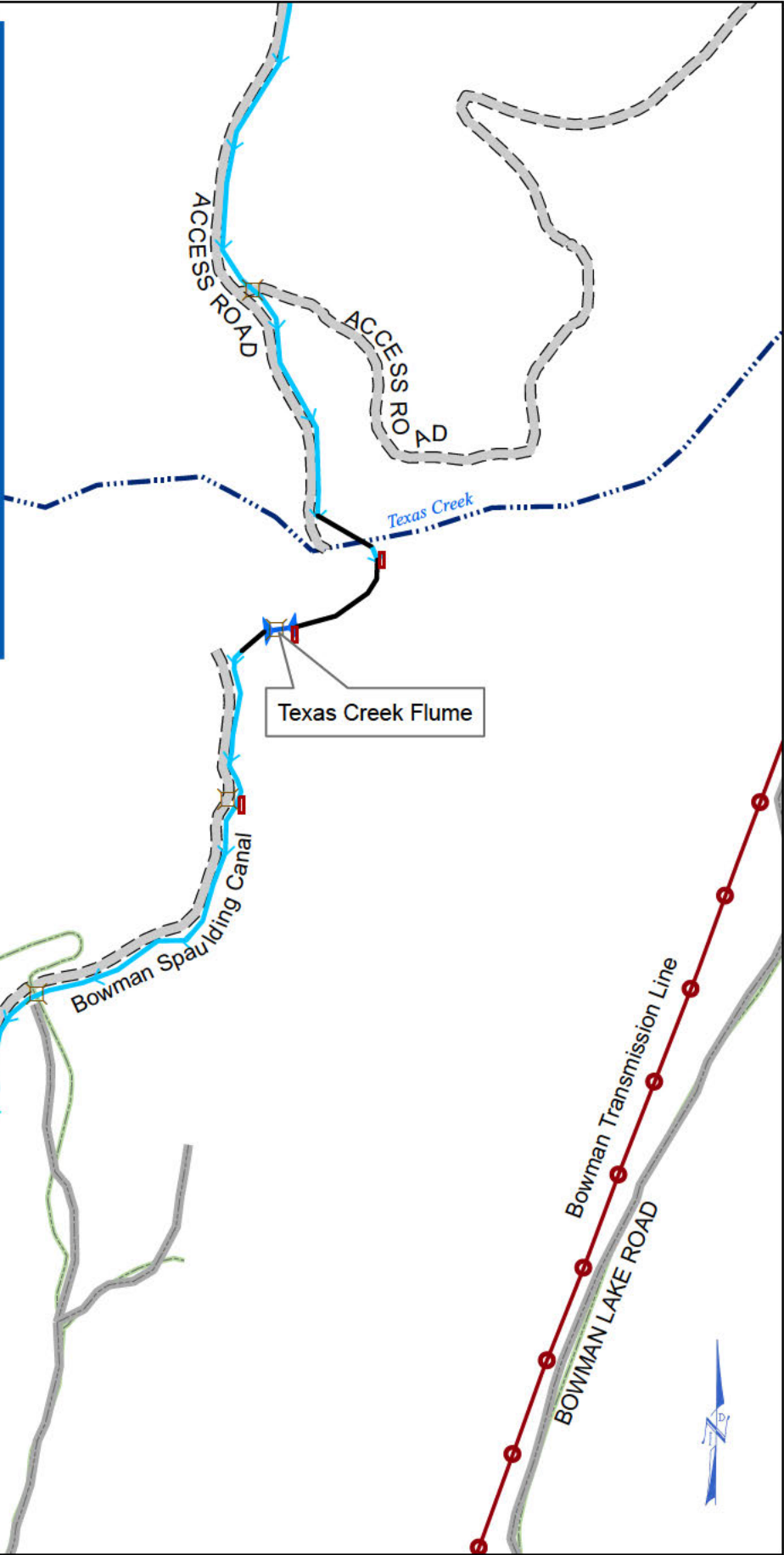
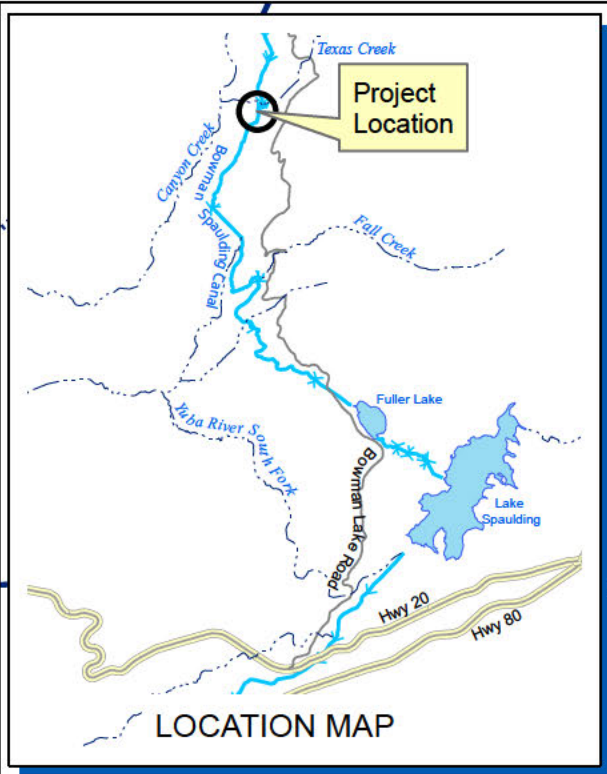
## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Bowman-Spaulling Canal Lining Repair at Boxcar Spill

Project No.:2600

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	6
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	6
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	7
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	6
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	10
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	5
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	10
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:65





### BS CANAL BOXCAR SPILL



Date: 9/16/2021  
 Drawn By: NID

**NEVADA IRRIGATION DISTRICT**  
 NEVADA COUNTY – PLACER COUNTY  
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE  
 Sheet: 1 of 1







## 2022 Annual Budget

**Project Name: Combie South Access Road**

**Project No.: 6943**

Dept. 50112-HYDRO Program: 52920-Powerhouse Improvements Priority Ranking: 56

Facility: Combie South Powerhouse Facility #: 57700 Division #: N/A

Project Manager: Adrian Schneider Constructed by: Contractors

New Construction:  Replacement:  Upgrades:  Multiple Phases:

CEQA:  Permits:  ROW:

**Project Purpose:** (Problem Statement)

Provide adequate access to the Combie South Powerhouse from Meadow Vista.

**Project Description:** (Proposed Solution)

Plan and design a new access road to the Combie South Powerhouse. Includes identifying necessary land acquisitions, completing survey and design work, and construction. Access road shall meet fire safe standards and will be secured with a new gate.

**Basis for Priority:**

Facility access, public safety, security

**Project Financial Summary:**

Project Estimate:300,000 Total Spent to Date:100,000 Current Year Budget:200,000

Anticipated Expenses to End of Year:200,000 Amount Remaining in Current Year Budget:200,000

**Expenditures:**

Expense	Prior Years Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Consulting/Studies								0
Design/Engineering	\$100,000							\$100,000
Permitting/CEQA								0
Construction			\$200,000					\$200,000
Right of Way								0
Other:								0
<b>Total:</b>	\$100,000	0	\$200,000	0	0	0	0	\$300,000

**Funding Sources**

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52920	\$100,000		\$200,000					\$300,000
								0
								0
<b>Total:</b>	\$100,000	0	\$200,000	0	0	0	0	\$300,000

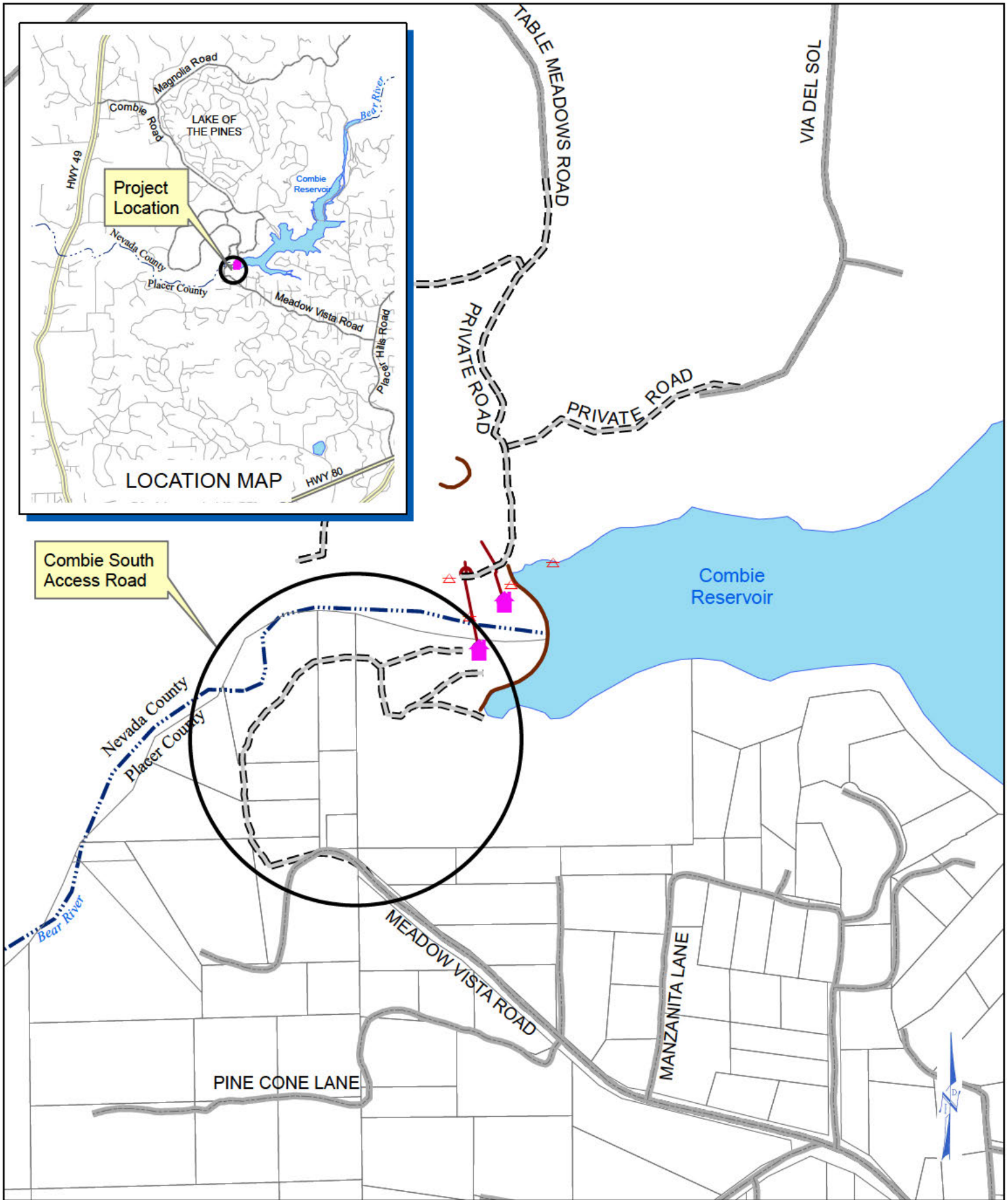
**Notes:**

## CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project Name: Combie South Access Road

Project No.:6943

Criteria #	Scoring	Project
1. Capital Costs	10 Points – Lower Future Capital Costs 5 Points – No Impact 0 Points – Higher Future Capital Costs	5
2. Annual Operation and Maintenance Cost	10 Points – Lower Operating Costs 5 Points – No Impact 0 Points – Higher Operating Costs	7
3. Increased Revenue Potential	10 Points - Higher Revenues 5 Points - No Impact 0 Points - Lower Revenues	5
4. Health and Safety	10 Points - Reduces Threat/Impact to Health and Safety 5 Points - No Impact 0 Points - Increases Threat/Impact to Health and Safety	9
5. Environment	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	5
6. Distributional or Hydro Generation Effects	10 Points - Project has Regional Benefit or improves generation 5 Points - Project has Limited Benefit (Neighborhood) or improved generation 0 Points - No Impact	5
7. Critical Infrastructure and Risk to Service Disruption	10 Points - Deferral will Significantly Impact Disruption to Service 5 Points - Deferral will Moderately Impact Disruption to Service 0 Points - No Additional Impacts to Disruption to Service if Deferred	3
8. Board Strategic Plan/Goals	10 Points - Meets Strategic Plan/Goals Set by the Board 5 Points - Important Project but not Critical 0 Points - Does not Meet Strategic Plan/Goals of the Board	7
9. Certainty of Project Funding	5 Points - Funded by Existing Revenue Source 2-3 Points - Requires Outside Funding with High Probability of Obtaining 0 Points - Requires Outside Funding with Low Probability of Obtaining	5
10. New Capital Asset will have associate revenue that offsets maintenance costs	5 Points - Asset will have Associated Revenue to Offset Depreciation and Maintenance Costs 2-3 Points - Asset will have Associated Revenue to Offset Some Depreciation and Maintenance Costs 0 Points - Asset will have no change to Associated Revenue	0
11. Improves and/or increases level of service	10 Points - Project Improves Level of Service 5 Points - Project Maintains Existing Level of Service 0 Points - Project Impacts Existing Level of Service	5
Max Score:100		Total Prioritization Score:56



# COMBIE SOUTH ACCESS ROAD



Date: 9/15/2021

Drawn By: NID

**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY – PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1



