



Staff Report

TO: Board of Directors
FROM: Jennifer Hanson, General Manager
DATE: December 15, 2021
SUBJECT: **2022 Annual Budget**

FINANCE

RECOMMENDATION

Adopt Resolution 2021-47 (Adopting the 2022 Budget and Capital Improvement Plan), as recommended by Staff.

BACKGROUND

The purpose of this staff report is to present the 2022 Annual Budget (Operating and Capital) to the Board for consideration. Each year, prior to January 1st, the Board is required to adopt the Annual Budget for the following calendar year. The approval of the Annual Budget provides for appropriations for the following year. The Annual Budget has two primary components: the operational budget and the capital improvement budget. The operational budget includes projected expenditures and revenues that are required to complete day-to-day operational activities for the District. The capital improvement Budget is intended to fund needed capital projects for the year. Capital projects can be constructed improvements, new facility construction, facility rehabilitation, or restoration, or the purchase of vehicles and equipment.

Budget Development

The District's budgeting cycle spans from June to November, culminating in the adoption of the Budget prior to January 1. Staff performs a rigorous revenue projection, expenditure analysis, and development of the proposed capital program to support the development of the budget.

Two Budget Workshops were held to obtain input from the Board and the Public. The first workshop was held on September 23, 2021 and reviewed the proposed capital program for 2022. The second workshop was held on December 8, 2021 and was focused on the proposed operational budget.

Budget Principles

Typically, the Annual Budget is based on the Board's stated strategic priorities. Due to the fact that the Board is initiating a new strategic planning process in the first quarter of 2022, the proposed budget for 2022 is conservative in terms of proposed expenditures and projected revenue. This will allow flexibility for the Board to make modifications to the budget in order to align with new strategic priorities that will be adopted early in the upcoming budget year. The primary principles that were used as a basis for budget development are summarized below:

- Conservative Revenue Projections: Revenue projections included in the proposed budget are relatively flat with no major increases projected.
- Reduced Staffing: Proposed staffing is decreased when compared to 2021.
- Employee Contract Increases: Increases associated with recently adopted employee contracts are included in the salary expenditure projections for each department.
- Capital Projects: The proposed capital programs for each department were limited until such time the Plan for Water Process is completed, which will serve as the basis for future capital expenditures.

Budget Format

The format of the Annual Budget was modified to be easy to understand, to more clearly identify reserves, and to provide a more clear and concise capital program. Major modifications to the budget format are summarized below:

- Capital Funds: Sub-funds were added to each of the major operational funds that include capital expenditures. This modification will aid with capitalization of assets and will allow for the District's financials to be more straightforward and easier to understand.
- Internal Services Fund: An internal services fund was created to account for overhead expenditures. All overhead expenditures will be included in the internal services fund, and then will be allocated to the three operational funds (Water, Recreation, and Hydroelectric) based on a cost allocation formula.
- Investment Revenue: Investment revenue is allocated to each fund based on each fund's proportional share of the District's pooled cash that is invested. This modification will require a future policy amendment.
- Fund Balances: Projected beginning and ending fiscal year fund balances are provided for each fund.
- Reserves: Reserves for each fund are more clearly stated as part of each fund summary.

Fund Overview

The District has ten funds that are summarized below:

- Fund 10 Water Operations: Includes expenditures and revenues associated with general water operations that provide for both the raw and treated water systems. Water operations includes the following divisions: Cashiering, Customer Service, Engineering, Water Operations, Maintenance and Vegetation.
- Fund 12 Capacity Fees: Includes revenue and expenditures associated with capacity fees paid for new connections. Fund 12 is a sub-fund of Fund 10.
- Fund 15 Water Capital: Includes expenditures for capital improvements associated with water operations. Fund 15 is a sub-fund of Fund 10.
- Fund 21 Cement Hill: This fund is an assessment district that was formed to fund infrastructure improvements. The revenue associated with this fund is collected from annual assessments collected from the parcels located within the Cement Hill District. Fund 21 is a sub-fund of Fund 10 for the purpose of the financial audit.
- Fund 22 Rodeo Flat: This fund is an assessment district that was formed to fund infrastructure improvements. The revenue associated with this fund is collected from annual assessments collected from the parcels located within the Rodeo Flat District. Fund 22 is a sub-fund of Fund 10 for the purpose of the financial audit.
- Fund 30 Recreation Operations: Includes expenditures and revenue associated with general recreation operations. The proposed budget only includes one division. In previous annual budgets there were two divisions. One for District owned campgrounds and one for United State Forest Service (USFS) owned campgrounds. The division associated with USFS has been removed from the 2022 Annual Budget because the District will no longer operate the campgrounds.
- Fund 35 Recreation Capital: Includes expenditures for capital improvements associated with recreation operations. Fund 35 is a sub-fund of Fund 30.
- Fund 50 Hydroelectric Operations: Includes expenditures and revenue associated with general hydroelectric operations. Fund 50 includes expenditures associated with three divisions: Hydro Administration, Hydro Operations, and Hydro Maintenance.
- Fund 55 Hydroelectric Capital: Includes expenditures associated with capital improvements for the hydroelectric division. Fund 55 is a sub-fund of Fund 50.
- Fund 70 Internal Services: This is a new fund that was formed to include expenditures associated with overhead functions. Fund 70 includes the following divisions: Board of Directors, Management, Watershed, Human Resources, Information Technology, Safety, Communications, Accounting, Purchasing, and Shop Operations.

FINDINGS AND ANALYSIS

Overall:

The proposed budget for 2022 includes operational (Fund 10 Water Operations, Fund 30 Recreation, and Fund 50 Hydroelectric Operations) revenue of \$74,661,119 and an additional revenue of \$1,902,500 that is associated with restricted funds (Fund 21 Cement Hill, Fund 22 Rodeo Flat, and Fund 12 Capacity Fees). For a total projected annual revenue of \$76,563,619. Total projected expenditures for all funds is \$61,033,910. Projected annual revenue outpaces expenditures by \$15,529,709. As previously noted, expenditures were intentionally reduced to allow for budget flexibility during 2022. Additionally, there are several anticipated large expenditures that are not yet fully defined, such as the costs associated with the operation and maintenance of the South Yuba Canal and retiree benefits. Capital expenditures were also decreased and will be adjusted upon the completion of the Plan for Water Process.

The other major contributing factor to the decrease in expenditures is the reduction of full time equivalent (FTE) staffing levels. The proposed budget includes a decrease of 15 positions when compared to 2021. Below are the proposed staffing levels:

Staffing		
Department	2021 FTE	2022 FTE
Management	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
Total	220	205

Proposed staffing includes moving the Information Technology (IT) Division to Management from Finance, one new position in finance (accounting), and one new position in IT.

Fund 10 Water Operations and Fund 15 Water Capital

General Overview: The major changes proposed for Fund 10 Water Operations include the removal of the capital program from the operations budget, removal of overhead expenditures that were moved to the new internal services fund, and the decrease of investment revenue per the new investment revenue allocation methodology that is based on each fund's proportional share of the pooled cash invested.

Revenue: Fund 10 Water Operations is projected to receive total revenue of \$47,620,100. This reflects a very minor increase in revenue when compared to the 2021 Annual Budget.

Fund 10 Water Operations Revenue				
Revenue Source	2020	2021	2021	2022
	<u>Actual</u>	<u>Budget</u>	<u>Forecast</u>	<u>Budget</u>
	<u>45,079,575</u>	<u>42,786,388</u>	<u>47,515,000</u>	<u>47,620,100</u>
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 projections did not include assumed water rate increases. It is anticipated that a water rate study will be completed during 2022. However, it is unknown as to whether or not the water rate study will result in an increase for 2022.

Revenue projections also do not include any revenue associated with grants. Any grant monies received will be presented to the Board at a later date and at that time any associated revenue would be included in a budget amendment.

Property tax revenue is projected to only experience an increase of two percent from the previous year.

Revenue associated with investments will be decreased when compared to previous years. This is in small part reflection of the volatile economy and projected reduced returns, and mostly related to the change in methodology by which investment revenue is allocated between the major funds (Funds 10, 30, and 50). Current Board Policy 3040.1 - Reserves, requires all investment revenue to be credited to the water fund, in consideration of the cost of overhead activities that were historically charged to Fund 10. For 2022, overhead expenditures have been moved to the new Fund 70 Internal Services; and as such, it is proposed that the investment revenue be allocated proportional to each fund's share of the pooled cash balance. Additionally, the costs associated with overhead far exceeded investment revenues, and therefore it has been determined that it is more appropriate for each fund to pay for their fair share of the cost allocated overhead expenditures.

Fund 10 Expenditures: Operational Expenditures for 2022 include \$29,698,190. Notable items included in this amount are summarized below:

- Other Post Employee Benefit Contribution: \$450,000
- PG&E Water Purchase: \$890,000
- Cost Allocation: \$7,803,224
- Engineering: \$3,799,449, directly allocated as follows
 - Fund 10, 70% (\$2,659,614)
 - Fund 30, 10% (\$379,945)
 - Fund 50, 20% (\$759,890)
- Based on input received from the Board during the second budget workshop, the consultant fees line item for the water operations division was increased by \$50,000 to provide for as-needed grant assistance. If a grant assistance is related to a different division or department, the budget will be amended accordingly.
- Debt Service: The water fund has an annual debt service obligation of \$3,966,855 that is associated with the repayment of Bond Series 2016A, Bond Series 2020A, and a State Water Resources Control Board Loan. The debt obligation is shown as an expense in the budget, but from a financial audit perspective the repayment of the debt is shown a liability reduction.

For a detailed summary of proposed Fund 10 expenditures please refer to the attached budget tables.

Fund 10 Water Operations Reserves: Per Board Policy 3040, the following reserves are required:

- Operational Reserve equal to six months of operating expenditures. The purpose of the operational reserve is to ensure the district has sufficient cash flows throughout the year, and for unexpected expenditures. This reserve is proposed to be fully funded at \$18,725,707. The total reserved includes the fund's fair share of the operational reserve requirement for Fund 70 Internal Services.
- Water Stabilization: The water stabilization reserve may be used to provide rate stability for the District's customers. Per policy there is no set amount for the reserve. It is not proposed to fund this reserve in 2022, and it is recommended that this reserve be considered for removal when the reserve policy is revised.
- Community Investment Stabilization Reserve: Per policy the maximum amount for this reserve is \$1,500,000. This reserve is proposed to be fully funded for 2022. However, this reserve should be reviewed when the reserve policy is reviewed.
- Insurance and Catastrophic Reserve: The purpose of this reserve is to pay for any claims in excess of insurance coverage, and to provide funds in the event there is a catastrophic event. Per policy, this reserve should have a minimum of \$5 million and a maximum of \$10 million set aside. The total reserve shall also be split evenly between water operations and hydroelectric operations. For 2022, the reserve is funded at the minimum level and is split evenly between Fund 10 (\$2.5 M) and Fund 50 (\$2.5 M).
- Watershed Stewardship Reserve: This reserve is to be funding at a minimum balance of \$500,000 and is to be used for expenditures that maintain or improve the District's watersheds. During the Operational Budget Workshop on December

8, 2021, the Board directed staff to reduce the reserve by \$50,000 and increase the consultant fees line item in the operational budget by \$50,000 to be spent on grant services. Therefore the reserve has a total of \$450,000.

- Accrued Leave Reserve: Per policy the reserve should be funded at an amount equal to 50% of the fund's accrued leave liability. For 2022, it proposed that the reserve be funded in an amount equal to the cost of projected leave payouts for 2022 (\$250,000). Funding the reserve at an amount equal to 50% of the total liability is not necessary because the accrued leave liability is already reflected in the fund balance. It is recommended that this reserve be reconsidered.

Fund 10 Transfers Out: The proposed budget for 2022 includes a number of transfers to other funds. This is different from previous years due to the capital program being removed from Fund 10 and into its own fund; and due to the cost allocation. A summary of proposed transfers is provided below:

- Fund 70 Internal Services, \$7,803,224: This is Fund 10's fair share of the cost allocation.
- Fund 15 Water Capital, \$6,858,000: This is the amount of the proposed capital program for Water.
- Fund 15 Water Capital, \$22,000,000: This is the amount of the required capital reserve for 2022 per Board Policy.

Fund 10 Transfers In: Transfers in represent monies transferred from another fund to Fund 10. Transfers in are not considered new revenue, as the money already exists in a different fund. Below is a summary of the transfers in to Fund 10:

- Fund 30 Recreation: A total of \$374,945 is transferred from Fund 30 to Fund 10 as a result of the direct allocation of engineering expenses.
- Fund 50 Hydroelectric: A total of \$749,890 is transferred from Fund 50 to Fund 10 as a result of the direct allocation of engineering expenses.

Fund 10 Fiscal Year End: It is projected that the unassigned fund balance at fiscal year-end in 2022 will be \$9.37 M, and the total fund balance (with reserves) will be \$32.82 M). This indicates that Fund 10 is fiscally sound.

Fund 15 Water Capital

Fund 15 Water Capital is a new fund and houses all capital expenditures for water. Due to the fact that Fund 15 is a new fund, the beginning fund balance is zero. The attached fund tables provide the fund summary.

Fund 15 Expenditures: The programmatic portion of the previous year's capital programs has been removed, and instead include capital program has 16 capital projects and purchases of equipment proposed to be funded for a total amount of \$6,858,000. This includes fourteen projects and the purchase of three vehicles and equipment. Details of the proposed capital program can be found the attached budget tables.

Fund 15 Revenue: Fund 15 does not have a dedicated revenue source, and is instead funded from transfers in from Fund 10.

Fund 15 Reserves: Per Board Policy 3040, the reserve for water capital is set at \$22 M. This reserve is proposed to be fully funded.

Fund 15 Transfers Out: There are no transfers to other funds proposed.

Fund 15 Transfers In: There are two transfers into Fund 15 proposed:

- Fund 10 Water Operations, \$6,858,000: This is the amount of the proposed capital program for Water.
- Fund 10 Water Operations, \$22,000,000: This is the capital reserve amount.

Fund 15 Fiscal Year End: At fiscal year-end, Fund 15 is projected to have an unassigned fund balance of zero, and a total fund balance (including reserves) of \$22,000,000. If there are unexpended capital funds, the year-end fund balance would be increased.

Fund 21 Cement Hill and Fund 22 Rodeo Flat

Both funds reflect assessment districts that were established for the purpose of constructing infrastructure. Both funds have debt service associated with the construction that occurred to the benefit of the districts established. The associated debt is paid from annual assessments located within the assessment districts.

Fund 21 and 22 Expenditures: The total debt service (expenditures) for Fund 21 is \$392,622, and the total debt service (expenditures) for fund 22 is \$47,000 for 2022. Please refer to the attached budget tables for details regarding expenditures.

Fund 21 Cement Hill Revenue: The total projected revenue for Fund 21 is \$355,000.

Fund 22 Rodeo Flat Revenue: The total projected revenue for Fund 22 is \$47,000.

Fund 21 and Fund 22 Reserves: There are no reserve requirements for either fund.

Transfers Out: There are no transfers out to other funds proposed for either Fund 21 or Fund 22.

Transfers In: There are no transfers in from other funds proposed for either Fund 21 or Fund 22.

Fund 21 Fiscal Year End: At fiscal year-end, Fund 21 is projected to have a fund balance of \$161,378.

Fund 22 Fiscal Year End: At fiscal year-end, Fund 22 is projected to have a fund balance of \$121,800.

Fund 12 Capacity Fees:

Fund 12 Capacity Fees includes revenue from capacity fees collected for new connections to the water system. The beginning fund balance for Fund 12 is projected at \$9.45 M.

Fund 12 Expenditures: Proposed expenditures consist of the development of a new Capacity Fee Study that is projected to cost \$103,000. Please refer to the attached budget tables for details.

Fund 12 Revenue: It is projected that Fund 12 will have \$1,500,000 in revenue, which is predominately associated with the construction of the Loma Rica Residential Development project.

Fund 12 Reserves: There are no reserve requirements for this fund. Construction projects completed under this fund are only funded based on available funds and are not revenue dependent on an annual basis.

Fund 12 Transfers: There are no transfers in or out of this fund.

Fund 12 Fiscal Year End: At fiscal year-end, Fund 12 is projected to have a fund balance of \$10,847,000. It is recommended that construction related expenditures be delayed until such time a new Capacity Fee Study is completed.

Fund 30 Recreation Operations:

Funds 30 and 35 are intended to fund the District's recreational program. The recreation program is a regulatory obligation that is required for the District's hydroelectric facilities.

Fund 30 Expenditures: From an operational perspective, Fund 30 experiences an operational deficit each year. Total outflows (expenditures plus required transfers out) of \$3,332,133 exceed projected revenue of \$2,207,208. Please refer to the attached budget tables for an expenditure summary.

Fund 30 Revenues: The table below provides projected revenue by campground. This deficit is increased when compared to the previous year because 2022 will be the first year that recreation pays for its fair share of overhead expenses, and engineering. Proposed expenditures and revenues reflect the District no longer operating the USFS owned campgrounds. Fund 30 Recreation Operations has a projected beginning year fund balance of \$999,990.

Fund 30 Revenue				
	2020	2021	2021	2022
	<u>Actual</u>	<u>Budget</u>	<u>Forecast</u>	<u>Budget</u>
	<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

Fund 30 Reserves: Per Board Policy, Fund 30 is required to have an operational reserve equal to six months annual expenditures. For 2022 it is proposed that this reserve only be fund at three months of annual expenditures. Board Policy also requires Fund 30 to have an accrued absence reserve, which is being proposed to be funded at \$25,000. Funding of both these reserves lowered the available beginning year fund balance to \$389,350.

Fund 30 Transfer Outs: The transfers out reflect transfers from Fund 30 to other funds. The proposed transfer outs are summarized below:

- To Fund 70 Internal Services: \$609,627 will be transferred to fund 70 to pay for Fund 30's fair share of the cost allocation of the internal services fund.
- To Fund 10 Water Operations: \$379,945 will be transferred to Fund 10 to pay for Fund 30's projected allocation of engineering costs. This cost will be reconciled based on actuals at fiscal year-end.

Fund 30 Transfer Ins: The transfers in reflect transfers from other funds to Fund 30. The proposed transfer ins are summarized below:

- From Fund 50 Hydroelectric: A transfer in of \$167,577 is proposed as a subsidy of annual operational expenditures.

Fund 30 Fiscal Year End: The projected fund balance at fiscal year-end is \$42,642. This indicates that Fund 30 is not only needing to be subsidized in the amount of \$167,577 but is also using reserves to pay for annual operating expenditures. It is recommended that the Board consider a fee increase at a later date.

Fund 35 Recreation Capital

Fund 35 is a new fund that will be used for capital expenditures related to the District's recreational program. Due to the fact that it is a new fund, the beginning year fund balance is zero.

Fund 35 Expenditures: Proposed expenditures total \$150,000 and are intended to fund three capital improvement projects. Please refer to the attached budget tables for a summary of proposed expenditures.

Fund 35 Revenue: Fund 35 does not have a dedicated revenue source and receives funding from transfers in from other funds.

Fund 35 Reserves: Per Board Policy, Fund 35 has a capital reserve of \$500,000. This is proposed to be fully funded for 2022.

Fund 35 Transfers Ins: It is proposed that there are two transfers for Fund 35, as summarized below:

- From Fund 50 Hydroelectric: A transfer in of \$150,000 to fund 2022 capital expenditures.
- From Fund 50 Hydroelectric: A transfer in of \$500,000 to fund the required capital reserve.

Fund 35 Transfer Out: There are no transfers out proposed for Fund 35.

Fund 35 Fiscal Year End: At fiscal year-end, Fund 35 is projected to have a fund balance of \$500,000 which is equal to the required reserve.

Fund 50 Hydroelectric Operations

Funds 50 Hydroelectric Operations includes both expenditures and revenue for the District's hydroelectric systems. The hydroelectric system was originally developed to establish a revenue stream that was intended to be used to subsidize water rates for the District's customers.

Fund 50 Expenditures: Total outflows (expenditures plus required transfers out) of \$72,468,739 (which include \$12,486,586 in expenditures, and \$59,981,153 in transfers-out exceed projected revenue of \$24,833,811). However, the majority of the transfer-outs are related to the moving of the hydroelectric capital program to Fund 55. For details regarding projected fund outflows, please refer to the attached budget tables.

Fund 50 Revenue: The table below provides projected revenue by facility. The table below provides a summary of projected revenues for 2022 by facility.

Hydroelectric Operations Revenue				
	2020	2021	2021	2022
	<u>Actual</u>	<u>Budget</u>	<u>Forecast</u>	<u>Budget</u>
	<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

There are three major changes for projected revenue for 2022:

- **Deer Creek Powerhouse:** It is anticipated that the District will take ownership of the Deer Creek Powerhouse during 2022, as a result of the acquisition of the South Yuba Canal from PG&E. As such, revenue associated with the operation of the powerhouse has been included in the revenue projections. The revenue noted does not represent a full year of operation, as it is anticipated that the final property transfer will happen sometime in the second quarter of the year.
- **South Sutter Water District (SSWD) Operations Contract:** Revenue associated with the providing powerhouse operations services for SSWD (per the executed contract) is new for 2022. The revenue projection was set low to allow for a conservative revenue projection, until such time it is determined what level of time and material based services will be required.
- **Interest Income:** In previous years, all interest income related to the investment of the District's pooled cash was recorded as income for water operations. As previously noted, interest income will now be attributed to each fund based on each fund's proportional share of the District's pooled cash.

Fund 50 Reserves: Per Board Policy, Fund 50 is required to have several reserves as summarized below:

- **Operational Reserve** equal to six months of operating expenditures. The purpose of the operational reserve is to ensure the District has sufficient cash flows throughout the year, and for unexpected expenditures. This reserve is proposed to

be fully funded at \$8,671,870. The total reserved includes the fund's fair share of the operational reserve requirement for Fund 70 Internal Services.

- Insurance and Catastrophic Reserve: The purpose of this reserve is to pay for any claims in excess of insurance coverage, and to provide funds in the event there is a catastrophic event. Per policy, this reserve should have a minimum of \$5 million and a maximum of \$10 million set aside. The total reserve is also required to be split evenly between water operations and hydroelectric operations. For 2022, the reserve is funded at the minimum level and is split evenly between Fund 10 (\$2.5 M) and Fund 50 (\$2.5 M).
- Accrued Leave Reserve: Per policy the reserve should be funded at an amount equal to 50% of the fund's accrued leave liability. For 2022, it proposed that the reserve be funded in an amount equal to the cost of projected leave payouts for 2022 (\$50,000). Funding the reserve at an amount equal to 50% of the total liability is not necessary because the accrued leave liability is already reflected in the fund balance. It is recommended that this reserve be reconsidered.

Fund 50 Transfer Outs: The transfers out reflect transfers from Fund 50 to other funds. The proposed transfer outs are summarized below:

- To Fund 70 Internal Services: \$3,779,686 will be transferred to Fund 70 to pay for Fund 30's fair share of the cost allocation of the internal services fund.
- To Fund 10 Water Operations: \$759,890 will be transferred to Fund 10 to pay for Fund 50's projected allocation of engineering costs. This cost will be reconciled based on actuals at fiscal year-end.
- To Fund 30 Recreation Operations: \$167,577 will be transferred to Fund 30 to provide a subsidy to recreation operations.
- To Fund 35 Recreation Capital Program: \$150,000 will be transferred to Fund 35 to fund the recreation capital program.
- To Fund 35 Recreation Capital Program: \$500,000 will be transferred to Fund 35 to fully fund the required capital reserve for recreation.
- To Fund 55 Hydroelectric Capital Program: \$4,625,000 will be transferred to Fund 55 to fund hydroelectric capital expenditures for 2022.
- To Fund 55 Hydroelectric Capital Program: \$50 M will be transferred to fully fund the required capital reserves for the hydroelectric program. This includes \$15 M for general hydroelectric capital reserves and \$35 M for reserves for future obligations related to the FERC relicensing effort.

Fund 50 Transfer Ins: There are no transfers in proposed for 2022 for Hydroelectric Operations.

Fund 50 Fiscal Year End: The projected unassigned fund balance at fiscal year-end is \$5,760,400 and the projected total fund balance (including reserves) at fiscal year-end is \$16,982,270. This indicates that Fund 50 is fiscally sound; however it should be noted that financial expenditures associated with the acquisition of the South Yuba Canal are not included in proposed expenditures.

Fund 55 Hydroelectric Capital

Fund 55 Hydroelectric Capital is a new fund and houses all capital expenditures for the hydroelectric department. Due to the fact that Fund 55 is a new fund, the beginning fund balance is zero.

Fund 55 Expenditures: The capital program includes 26 capital projects and purchases of equipment proposed to be funded for a total amount of \$4,625,000. This includes 22 projects and the purchase of four vehicles and equipment. Details of the proposed capital program can be found in the attachments.

Fund 55 Revenue: Fund 55 does not have a dedicated revenue source, and is instead funded from transfers in from Fund 50.

Fund 55 Reserves: Per Board Policy 3040, the reserves for hydroelectric capital have two components: 1. A general capital reserve of \$15 M, and a FERC capital reserve set at \$35 M. It is proposed that both reserves be fully funded.

Fund 55 Transfers Out: There are no transfers to other funds proposed.

Fund 55 Transfers In: There are three transfers into Fund 15 proposed:

- Fund 50 Hydroelectric Operations, \$4,625,000: This is the amount of the proposed capital program for Hydroelectric.
- Fund 50 Hydroelectric Operations, \$15 M: This is the required general capital reserve amount.
- Fund 50 Hydroelectric Operations, \$35 M: This is the required capital reserve related to future FERC obligations.

Fund 55 Fiscal Year-End: At fiscal year-end, Fund 55 is projected to have an unassigned fund balance of zero, and a total fund balance (including reserves) of \$50 M. If there are unexpended capital funds, the year-end fund balance would be increased.

Fund 70 Internal Services:

Fund 70 Internal Services is a new fund established for 2022 that will contain all overhead related expenditures. The fund will contain expenditures related to the following divisions: Directors, Management, Watershed, Human Resources, Information Technology, Safety, Communications, Accounting, Purchasing, and Shop Operations. These divisions provide support services to the entire District, and therefore the costs associated with the fund are allocated to Fund 10 Water Operations, Fund 30 Recreations, and Fund 50 Hydroelectric. The cost of Fund 70's annual expenditures is distributed amongst the three funds by formula that is based on both the number of full-time equivalents in each department and each department's projected revenue. The percentage allocated to each fund is identified below:

- Fund 10: 64%
- Fund 30: 5%
- Fund 31: 31%

The actual amount allocated to each fund at the end of the fiscal year will be reconciled based on actual expenditures.

The beginning fund balance is zero for 2022 and should essentially zero out each year as is intended that the amounts transferred per the cost allocation will be reconciled each year to equal actual expenditures.

Fund 70 Expenditures: It is projected that total expenditures for Fund 70 will be \$12,192,537 (as detailed in the attached budget spreadsheets).

Fund 70 revenue: Fund 70 does not have a dedicated source of revenue.

Fund 70 Reserves: There are no reserve requirements for this fund. Operational reserves are accounted for in each of the contributing funds.

Fund 70 Transfers Out: There are no transfers to other funds proposed.

Fund 70 Transfer Ins: There are three transfer ins proposed for this fund:

- Fund 10 Water Operations, \$7,803,224
- Fund 30 Recreation, \$609,626.85
- Fund 50 Hydroelectric Operations, \$3,779,686

Fund 70 Fiscal Year End: At fiscal year-end, Fund 70 should have a zero fund balance, unless is determined to be necessary to roll-over unspent budget line items.

CONCLUSION

It is recommended that several areas be focused on during 2022 to continue to improve the District's financial position and processes. These areas are summarized below:

- Comprehensive improvement of financial practices: It is recommended that the District continue to implement a comprehensive overhaul of financial practices. This effort is intended to facilitate more comprehensive and understandable financial reporting, address ongoing financial audit findings, streamline accounting practices, and provide greater fiscal transparency for the Board and the public.
- Retiree Obligations: Develop a long-term strategy to all the District meet future retiree pension and benefit obligations.
- Cost Allocation: Complete a formal cost allocation study that is based on more detail.
- Capital Program: Once the Plan for Water and the associated master plans are complete, it is recommended that a five-year capital program be established.
- Water Rate Study: A new rate study for raw and treated water rates should be established.
- Reserves: The current reserve policy should be reviewed and revised as appropriate.

- Capacity Fee Study: A new capacity fee study should be completed.
- Recreation Operations: Recreation operations should be evaluated to determine ways to address the ongoing operational deficit.
- South Yuba Canal Budgetary Requirements: The operational requirements related to the acquisition of the South Yuba Canal require analysis to determine long-term budgetary impacts. Although acquisition of the facility does come with a new revenue source related to the Deer Creek Powerhouse, it is not likely that the associated revenue will offset required operational and capital expenditures.
- Budget Amendment and Authority Levels Policy 3100: This policy is recommended to be modified.

In order for the District to pay for proposed operational and capital expenditures it is necessary for the Board to adopt an annual budget to approve all appropriations. This year it is recommended that the Board adopt the Annual Budget by resolution. It should be noted that the attached resolution provides clarity on budget amendments. Per current Board Policy, the General Manager is authorized to authorize budget amendments that increase the total authorized budget by up to \$600,000 for the fiscal year. This is modified by the attached resolution to only authorize the General Manager to move money from one line item to another within the same fund, but does not allow the General Manager to increase the overall budget appropriation for any specific fund. This will provide for greater checks and balances for budgetary modifications.

Attachments: (4)

- Resolution 2021-47 – Adopting the 2022 Budget and Capital Improvement Plan
- 2022 Annual Budget Tables
- 2022 Capital Improvement Plan
- PowerPoint presentation



RESOLUTION NO. 2021-47

OF THE BOARD OF DIRECTORS OF THE NEVADA IRRIGATION DISTRICT

ADOPTING THE 2022 BUDGET AND CAPITAL IMPROVEMENT PLAN

WHEREAS, the Nevada Irrigation District (District) budget for the 2022 fiscal year reflects resources to meet the essential needs of the District and the District's customers; and

WHEREAS, the proposed Annual Budget includes total projected revenue of \$76,563,619; and

WHEREAS, the proposed Annual Budget includes total operational and capital expenditures of \$61,033,910 (as identified in the budget tables and capital improvement programs attachments); and

WHEREAS, the proposed Annual Budget includes authorization for 205 full time equivalent staff (FTE).

NOW, THEREFORE, BE IT RESOLVED

SECTION 1. The proposed budget (attached budget tables) for the Nevada Irrigation District (District) entitled "Nevada Irrigation District Annual Budget Fiscal Year 2022", a copy of which is on file with the Board Secretary, is hereby adopted.

SECTION 2. The Nevada Irrigation District Annual Budget Fiscal Year 2022 includes revenues of \$76,563,619 and expenditures of \$61,033,910 for all funds.

SECTION 3. The Capital Improvement Plan for Fiscal Year 2022 funded expenditures total \$11,633,000; which is included in the Annual Budget expenditure tables.

SECTION 4. The District's budget is controlled at the fund level. Except as otherwise provided in this resolution, no expenditures will exceed the approved budget.

SECTION 5. The expenditures shown in the department, division and fund summaries are herein and hereby appropriated to the departments for expenditure in the amounts for the purposes stated therein. Requisitions for encumbrances and

expenditures of the various appropriations described in the budget shall be made by those departments and employees designated as the requisitioning authorities.

SECTION 6. The General Manager is authorized to make transfers of fund balances to accommodate transfers and reserve requirements as shown in the attached budget tables.

SECTION 7. The General Manager or his/her designee is authorized to transfer appropriations within a fund, or within the capital improvement program budget, but not between the two budgets.

SECTION 8. It is recognized that the Annual Budget for Fiscal Year 2022 is not in compliance with Board Policy 3040, Reserves. The Board of Directors Finds that it is in the District's best interest to adopt an Annual Budget that does not meet the stated reserve levels in the policy.

SECTION 9. This resolution shall take effect immediately.

* * * * *

PASSED AND ADOPTED by the Board of Directors of the Nevada Irrigation District at a regular meeting held on the 15th day of December 2021, by the following vote:

AYES:	Directors:
NOES:	Directors:
ABSENT:	Directors:
ABSTAINS:	Directors:

President of the Board of Directors

Attest:

Secretary to the Board of Directors

Revenues						
Fund	Fund Name	Revenue Source	2020	2021	2021	2022
			Actual	Budget	Forecast	Budget
10	Water		45,079,575	42,786,388	47,515,000	47,620,100
		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
			2020	2021	2021	2022
			Actual	Budget	Forecast	Budget
30	Recreation		1,503,251	2,330,838	2,200,000	2,207,208
		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
			2020	2021	2021	2022
			Actual	Budget	Forecast	Budget
50	Hydroelectric Operations		24,149,988	23,586,962	23,518,000	24,833,811
		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	\$29,698,190	\$36,661,224	\$66,359,414	\$32,819,543
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 (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									
10	Water Operations	\$50,419,022	\$26,968,315	\$47,620,100	\$1,139,835	\$48,759,935	\$29,698,190	\$36,661,224	\$66,359,414	\$9,368,836	\$32,819,543	
	Operating Reserve	\$18,750,707										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	\$450,000										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
15	Water Capital	\$0	\$0	\$0	\$28,858,000	\$6,858,000	\$6,858,000	\$0	\$6,858,000	\$0	\$22,000,000	
	Capital Improvement/Replacement	\$0			\$22,000,000							\$22,000,000
	Annual CIP	\$0			\$6,858,000							Transfer In to Fund Capital
21	Cement Hills	\$199,000	\$199,000	\$355,000	\$0	\$355,000	\$392,622	\$0	\$392,622	\$161,378	\$161,378	No reserve required.
22	Rodeo Flats	\$121,300	\$121,300	\$47,500	\$0	\$47,500	\$47,000	\$0	\$47,000	\$121,800	\$121,800	No reserve required.

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

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
	Salary Total	\$113,197	\$565,936	\$1,865,872	\$4,259,562	\$4,161,361	\$448,323
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
	Benefits Total	\$86,102	\$377,199	\$1,174,977	\$2,892,475	\$2,831,547	\$312,619
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
	Materials and Supplies Total	\$6,500	\$111,000	\$77,700	\$1,042,550	\$1,670,000	\$305,500
52507	Water purchase	\$0	\$0	\$0	\$890,000	\$0	\$0
	Water Purchase Total	\$0	\$0	\$0	\$890,000	\$0	\$0
52603	Consultant Fees	\$0	\$7,000	\$650,000	\$195,500	\$50,000	\$5,000
52604	Legal Fees	\$0	\$0	\$3,000	\$10,000	\$2,000	\$1,000
	Consultant Fees Total	\$0	\$7,000	\$653,000	\$205,500	\$52,000	\$6,000
52608	Fed/State/Co Fees	\$0	\$0	\$0	\$430,400	\$20,000	\$3,000
	Fees Total	\$0	\$0	\$0	\$430,400	\$20,000	\$3,000
52615	Contractor Fees	\$0	\$140,000	\$2,900	\$25,250	\$60,000	\$5,000
	Contractor Fee Total	\$0	\$140,000	\$2,900	\$25,250	\$60,000	\$5,000
52703	Debt service	\$0	\$0	\$0	\$3,966,855	\$0	\$0
	Debt Service Total	\$0	\$0	\$0	\$3,966,855	\$0	\$0
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
	Other O&M Total	\$0	\$230,000	\$25,000	\$1,588,400	\$221,500	\$3,800
	Division Totals	\$205,799	\$1,431,135	\$3,799,449	\$15,300,992	\$9,016,408	\$1,084,242
	Department Total						\$29,698,190

	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

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
	Total 2022 Project Budget	\$ 6,858,000.00

* 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

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

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									
30	Recreation Operations	\$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
35	Recreation Capital	\$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	
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	\$0
Total	\$0

Fund 30 General Recreation 30250		
Acct. No.	Account Category	General Recreation
51101	Salary	\$567,179
51105	Overtime	\$4,000
51201	Temporary Salary	\$226,720
	Salary Total	\$797,899
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
	Benefits Total	\$417,862
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
	Materials and Supplies	\$314,500
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
	Other O&M	\$812,300
	Division Totals	\$2,342,561

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

Department Total	3,332,133
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Fund 35 Recreation Capital Improvement Projects

Project #	Project	2022 Budget Amount
	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
	Total Recreation 2022 CIP Budget	\$ 150,000.00

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	\$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
	Salary Total	\$811,841	\$1,204,389	\$1,534,040
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
	Benefits Total	\$1,566,314	\$638,365	\$814,148
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
	Materials and Supplies Total	\$167,000	\$270,200	\$536,870
52603	Consultant Fees	\$1,270,000	\$31,824	\$195,100
52604	Legal Fees	\$175,000		
	Consultant Fees Total	\$1,445,000	\$31,824	\$195,100
52607	Franchise Fees	\$81,024	\$0	\$0
52608	Fed/State/Co Fees	\$1,050,500	\$0	\$0
	Fees Total	\$1,131,524	\$0	\$0
52615	Contractor Fees	\$52,336	\$148,947	\$489,188
	Contractor Fees Total	\$52,336	\$148,947	\$489,188
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
	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 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.		

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
Total	12,192,537.00

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
	Salary Total	\$74,280	\$779,822	\$187,197	\$276,173	\$517,000	\$166,563	\$92,180	\$779,256	\$286,402	\$254,711
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
	Benefits Total	\$86,244	\$1,729,680	\$116,972	\$182,376	\$212,505	\$112,553	\$75,179	\$439,313	\$194,455	\$184,784
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
	Materials and Supplies Total	\$6,500	\$38,100	\$2,500	\$0	\$331,810	\$11,000	\$5,000	\$3,000	\$138,550	\$387,500
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
	Consultant Fees Total	\$20,000	\$457,500	\$248,000	\$26,500	\$125,000	\$50,000	\$50,000	\$245,000	\$0	\$0
52608	Fed/State/Co Fees	\$48,000	\$66,000	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Fees Total	\$48,000	\$66,000	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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
	Temp Labor and Contractors	\$0	\$0	\$1,832,000	\$0	\$35,000	\$0	\$0	\$175,000	\$110,000	\$1,000
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
	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										12,192,537

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
Total:	412,475	0	75,000	0	0	0	0	487,475

Funding Sources

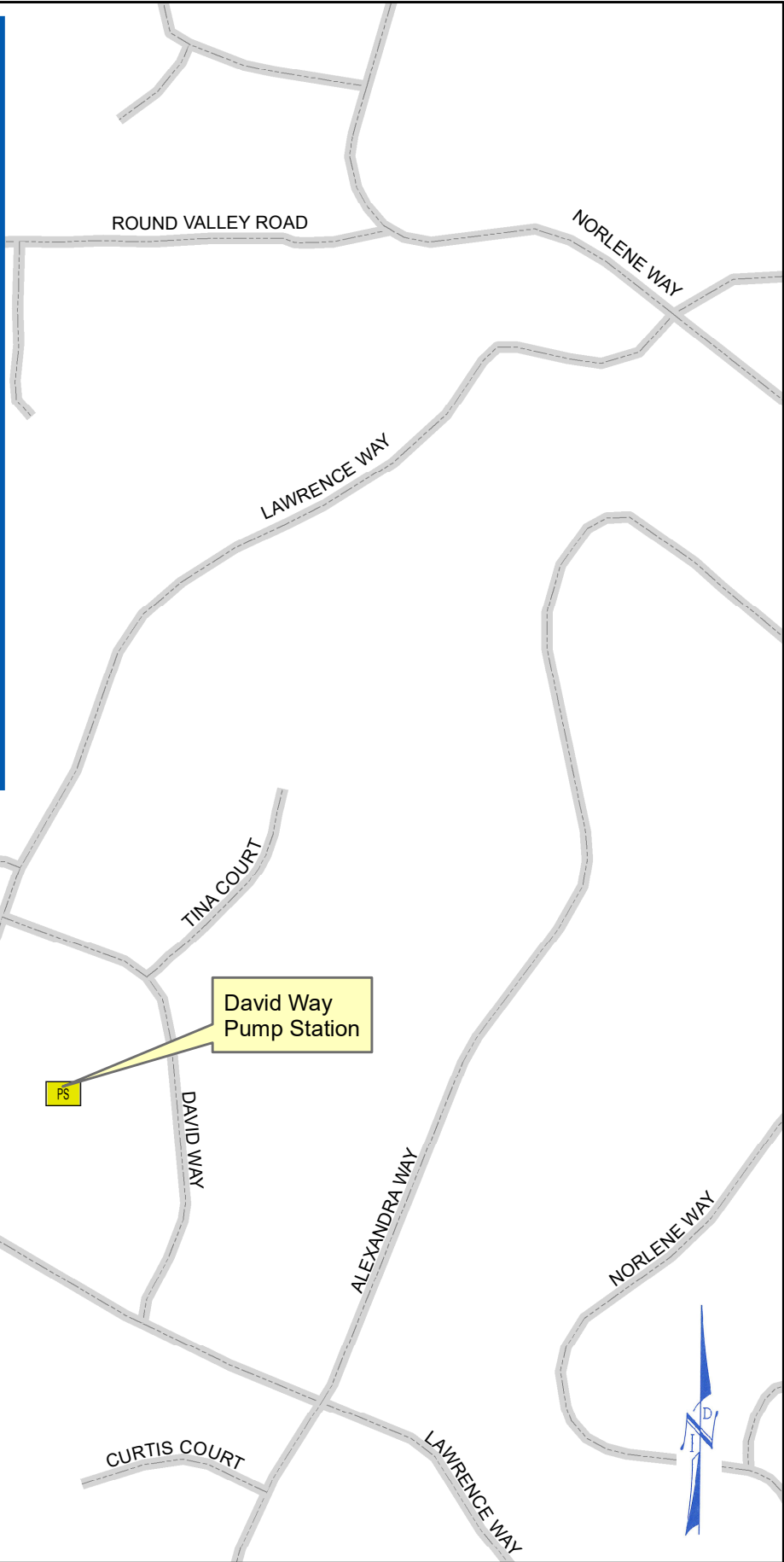
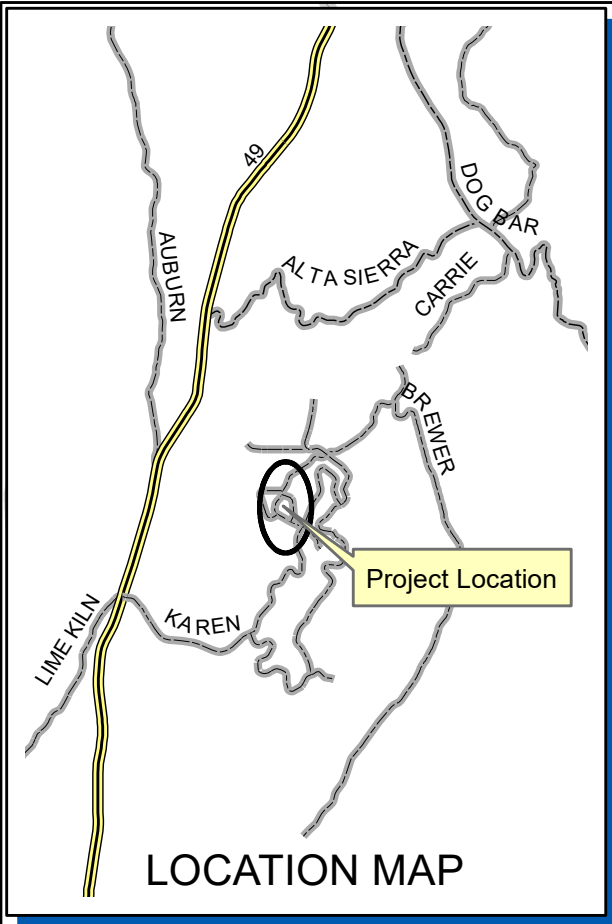
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10	412,475		75,000					487,475
								0
								0
Total:	412,475	0	75,000	0	0	0	0	487,475

Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: David Way Pump Station Project No.: 2322

Criteria #	Scoring	Project
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 Costs	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	9
5. Environmental	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	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	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 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	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	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
Total:	0	0	350,000	200,000	0	0	0	550,000

Funding Sources

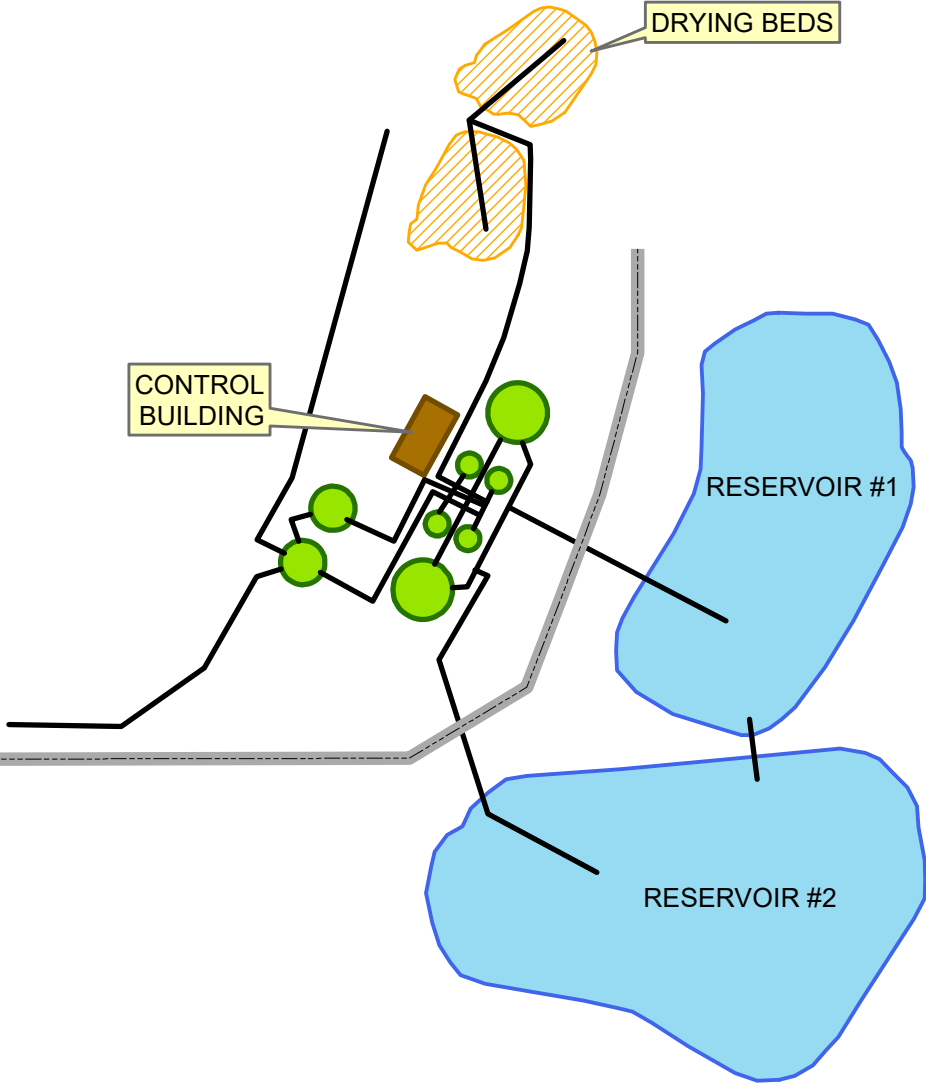
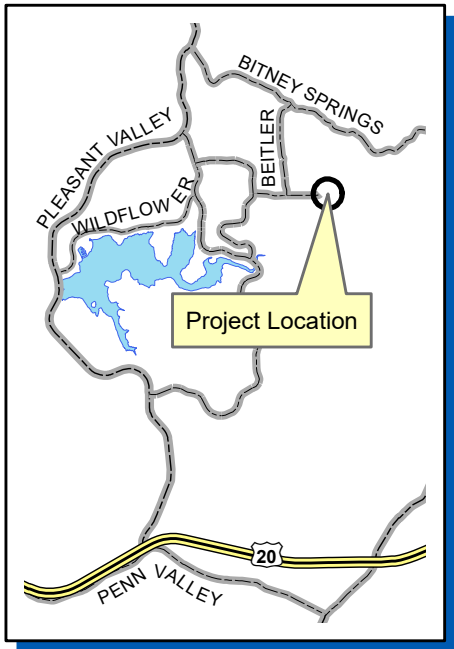
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			350,000	200,000				550,000
								0
								0
Total:	0	0	350,000	200,000	0	0	0	550,000

Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Lake Wildwood TP Upgrades Project No.: 2568

Criteria #	Scoring	Project
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 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	9
5. Environmental	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	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	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 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	67



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NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY
GRASS VALLEY, CALIFORNIA

LAKE WILDWOOD TREATMENT PLANT

8

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
Total:	870,590	17,563	4,025,000	0	0	0	0	4,913,153

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
Total:	862,235	17,564	4,025,000	0	0	0	0	4,904,799

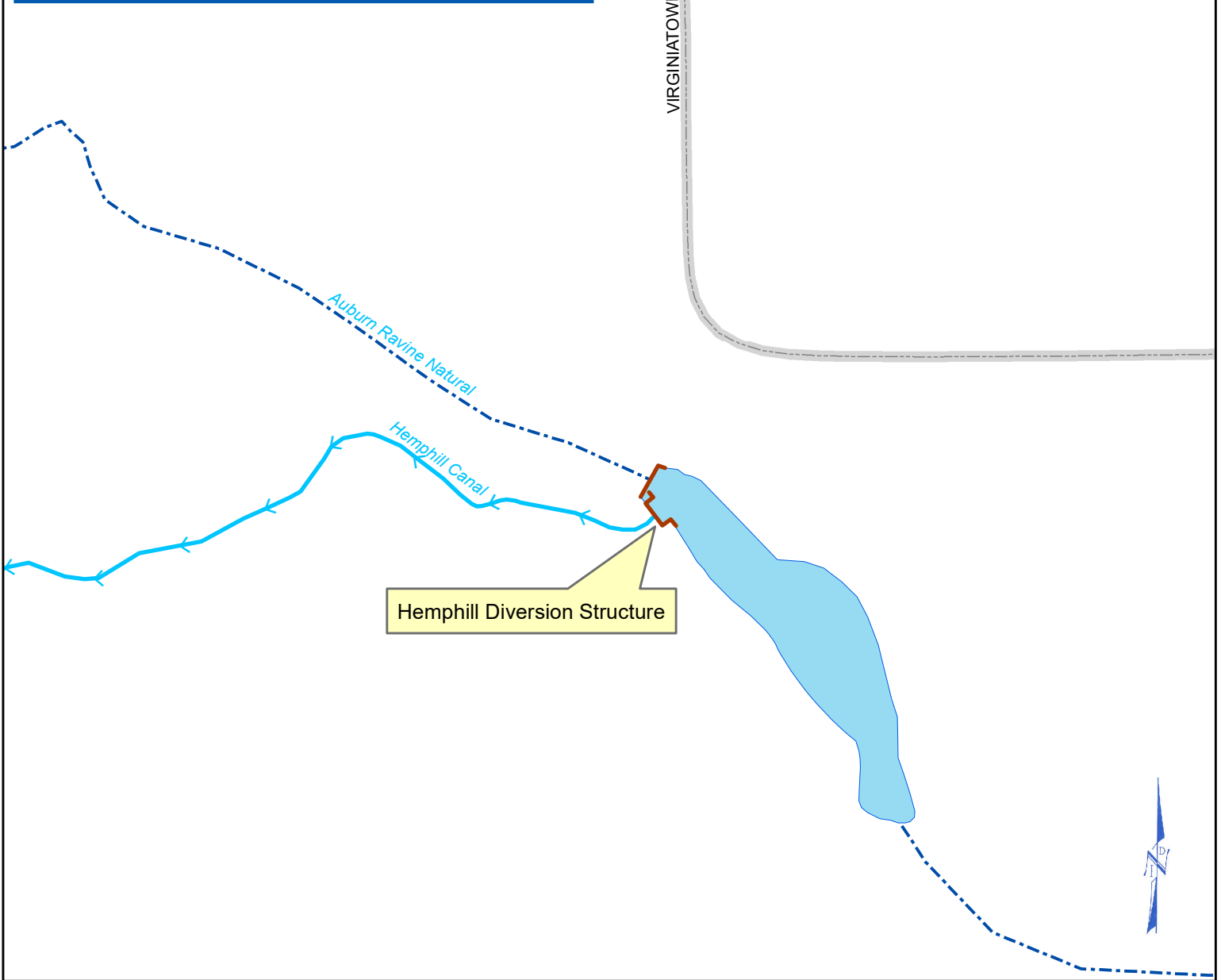
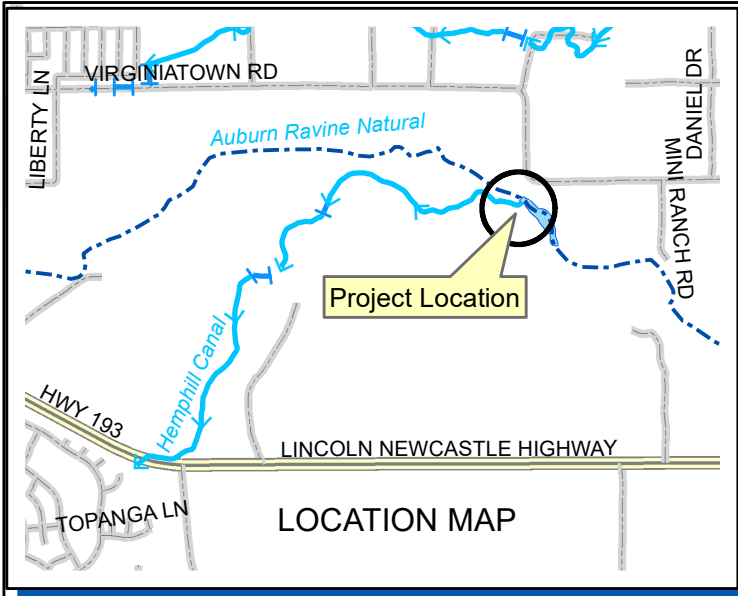
Notes:

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
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 Costs	10 Points - Lower Operating Costs 5 Points - No Impact 0 Points - Higher Operating Costs	4
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	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	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	9
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	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
Total:	0	0	60,000	0	0	0	0	60,000

Funding Sources

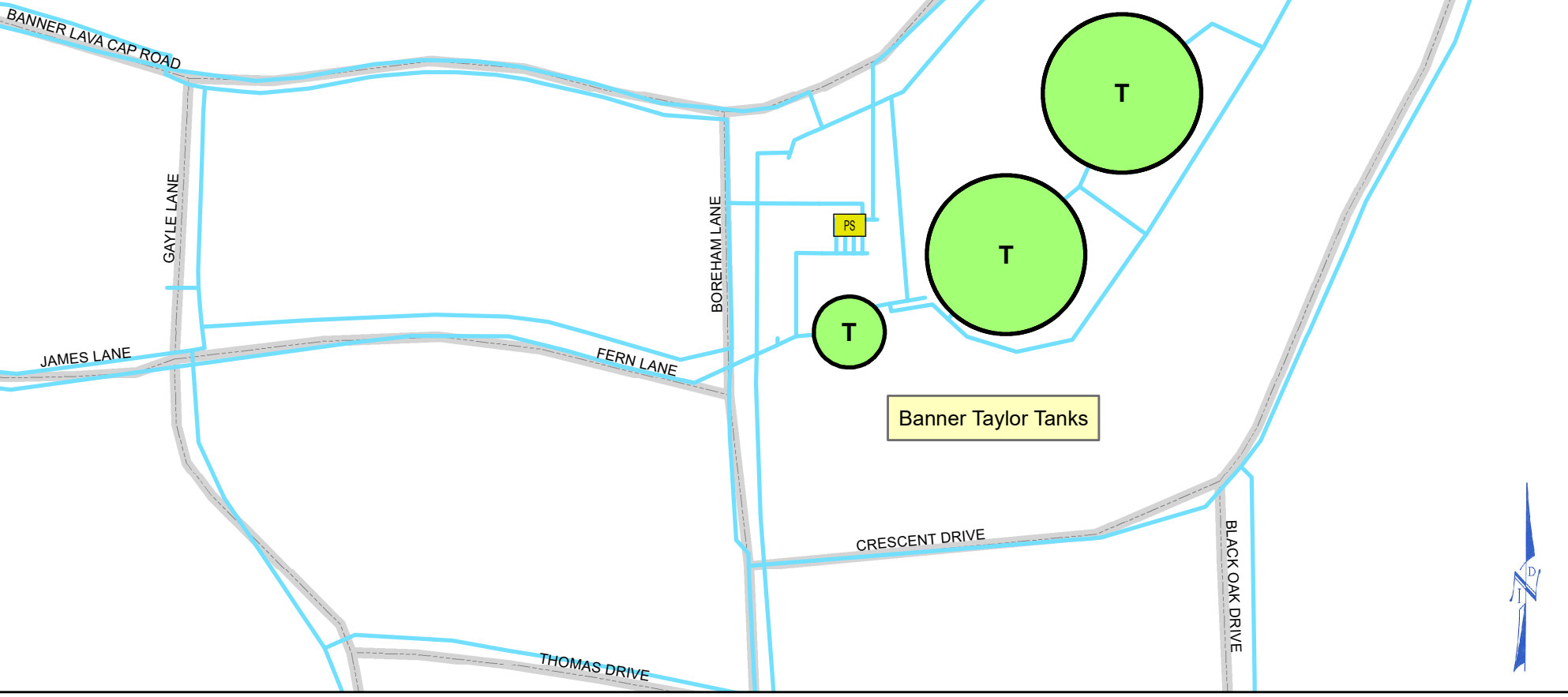
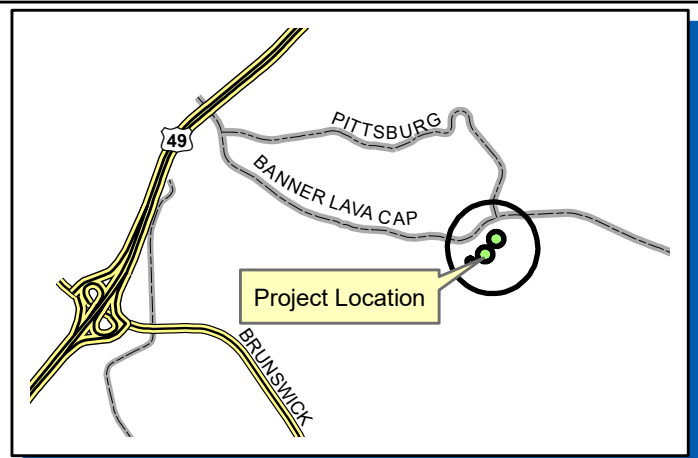
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			60,000					60,000
								0
								0
Total:	0	0	60,000	0	0	0	0	60,000

Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Banner Tank Isolation Valves Project No.: 2603

Criteria #	Scoring	Project
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	9
5. Environmental	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	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	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 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	62



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

BANNER TANK ISOLATION VALVES

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
Total:	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
Total:	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
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 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	10
5. Environmental	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	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	58





2022 Annual Budget

Project Name: Christian Life Way **Project No.:** 6962

Dept. 10151-Engineering Program: 52907-Pipeline Replacement Priority Ranking: 57

Facility: Loma Rica System Facility #: 10314 Division #: Div 5

Project Manager: Doug Hobbs Constructed by: Maintenance

New Construction: Replacement: Upgrades: Multiple Phases:

CEQA: Exemption Permits: ROW: multiple

Project Purpose: (Problem Statement)

Existing pipeline is undersized, has reached it's useful life, is difficult to access, existing ROW in inadequate and requires new route for accessibility. Potential to add service connections.

Project Description: (Proposed Solution)

Replace approximately 1500 LF of 4" pipe with 8" pipe from N. Mack Road to Durden Court.

Basis for Priority:

Mainline is leaking, 6" hydrants fed off 4" pipe

Project Financial Summary:

Project Estimate: 500,000 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			480,000					480,000
Right of Way			20,000					20,000
Other:								0
Total:	0	0	500,000	0	0	0	0	500,000

Funding Sources

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			500,000					500,000
								0
								0
Total:	0	0	500,000	0	0	0	0	500,000

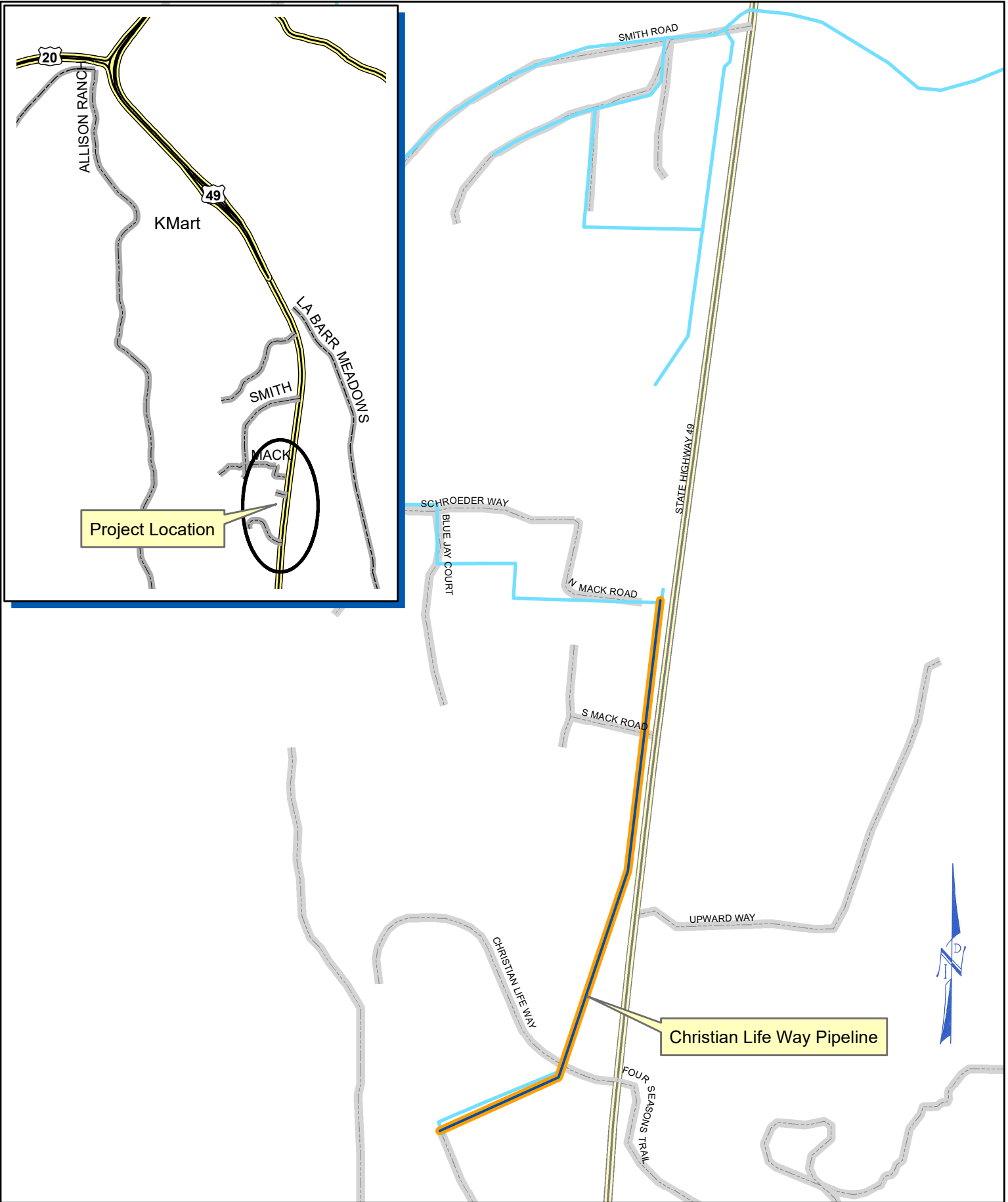
Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Christian Life Way Project No.: 6962

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 Costs	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	7
5. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	3
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	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 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	6
Max Score: 100		Total Prioritization Score 57

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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

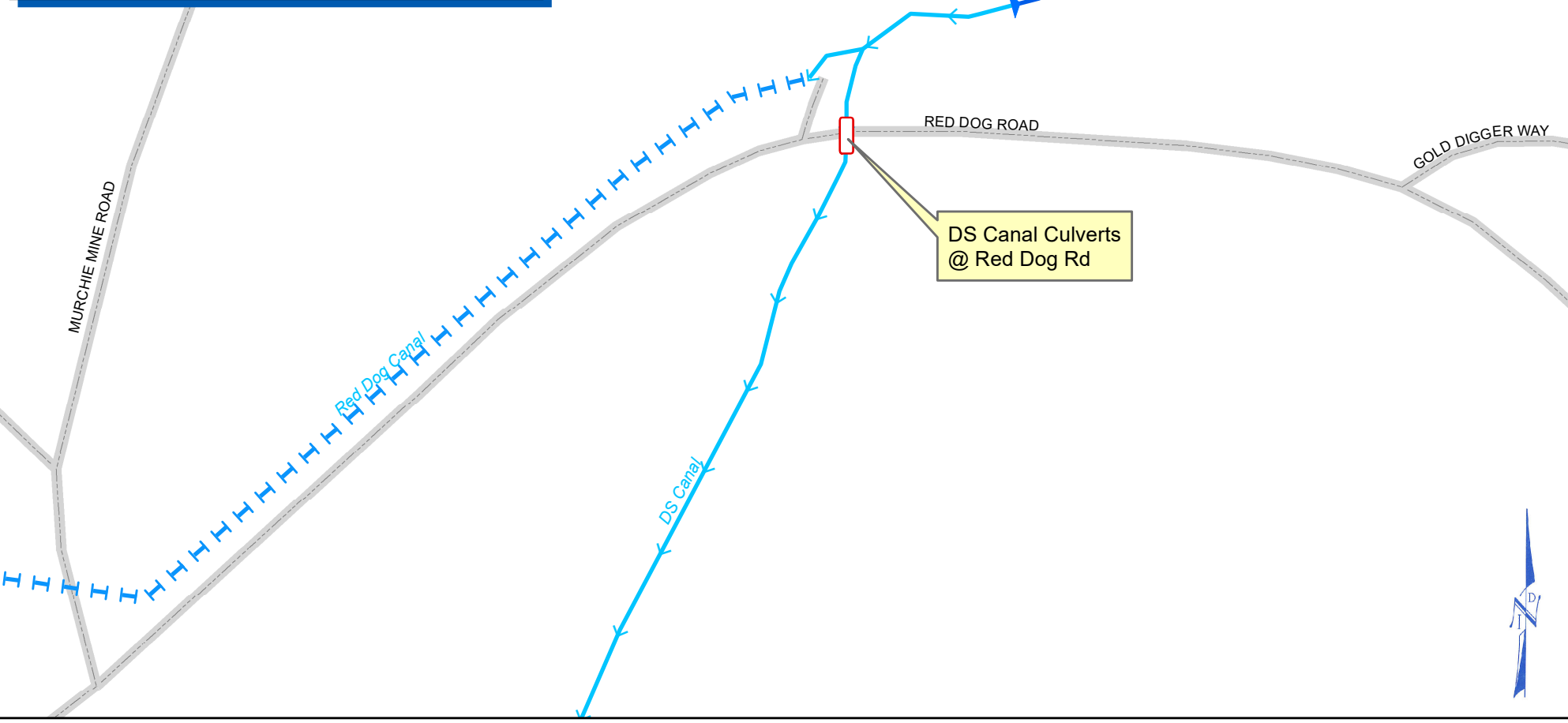
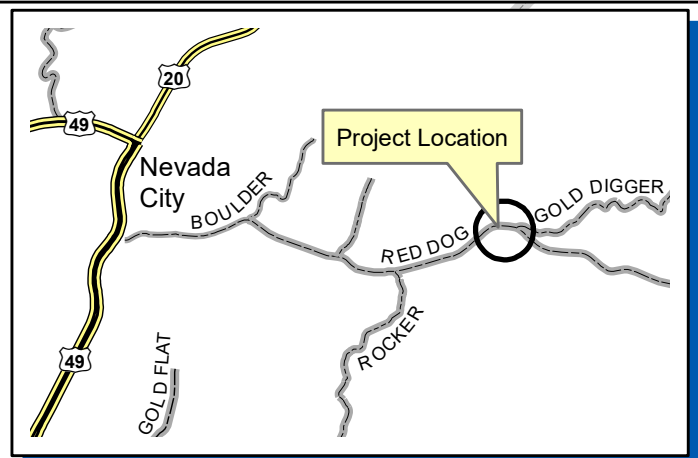
Sheet: 1 of 1



CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

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

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	8
5. Environmental	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	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	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 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	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

27

Drawn By: D. HUNT Date: 9/10/2021 Scale: NO SCALE Sheet: 1 of 1





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
Total:	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
Total:	0	0	80,000	870,000	0	0	0	950,000

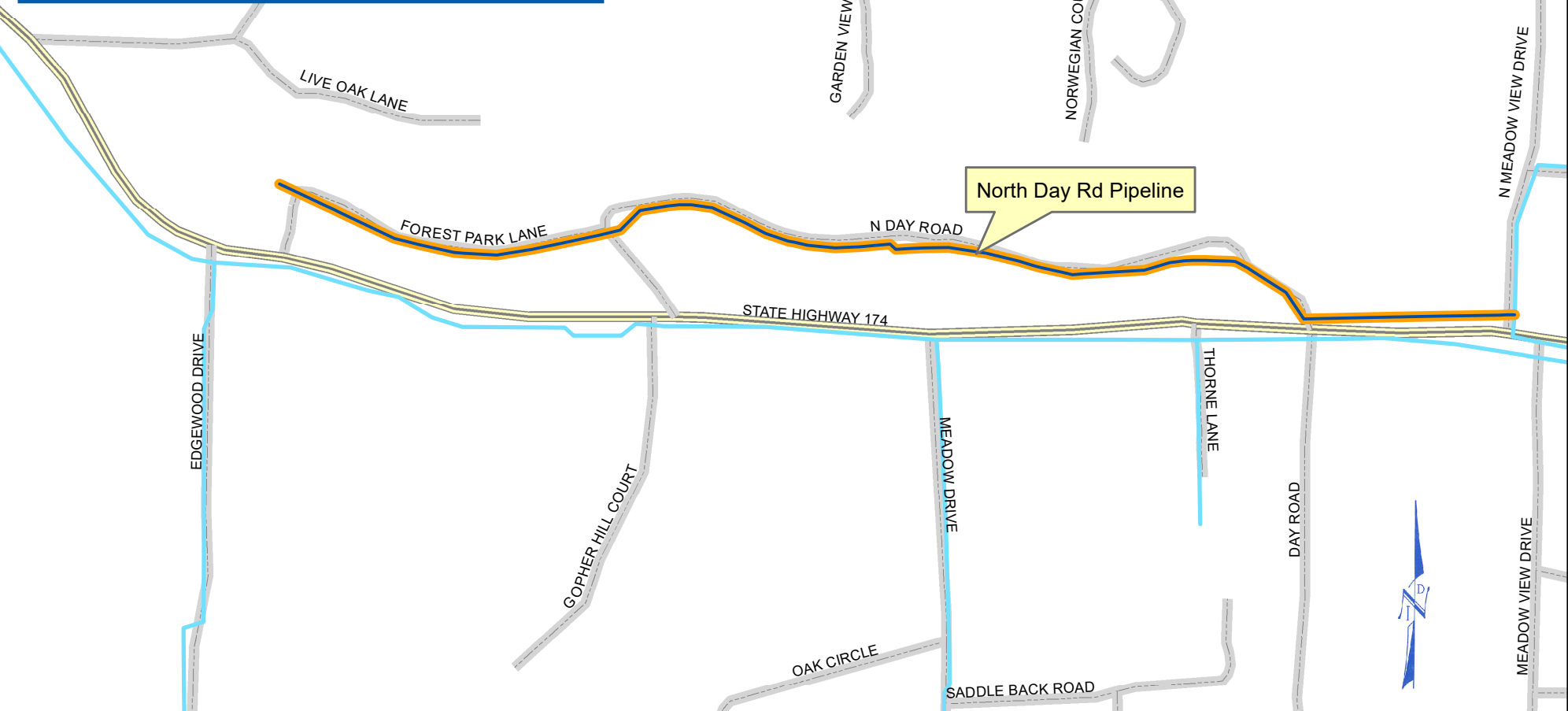
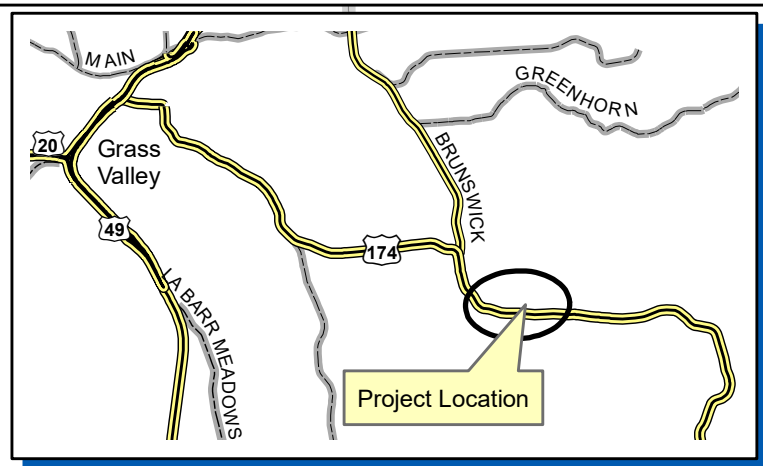
Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: North Day Road Pipeline Project No.: 2182

Criteria #	Scoring	Project
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	7
5. Environmental	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	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	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 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	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: _____

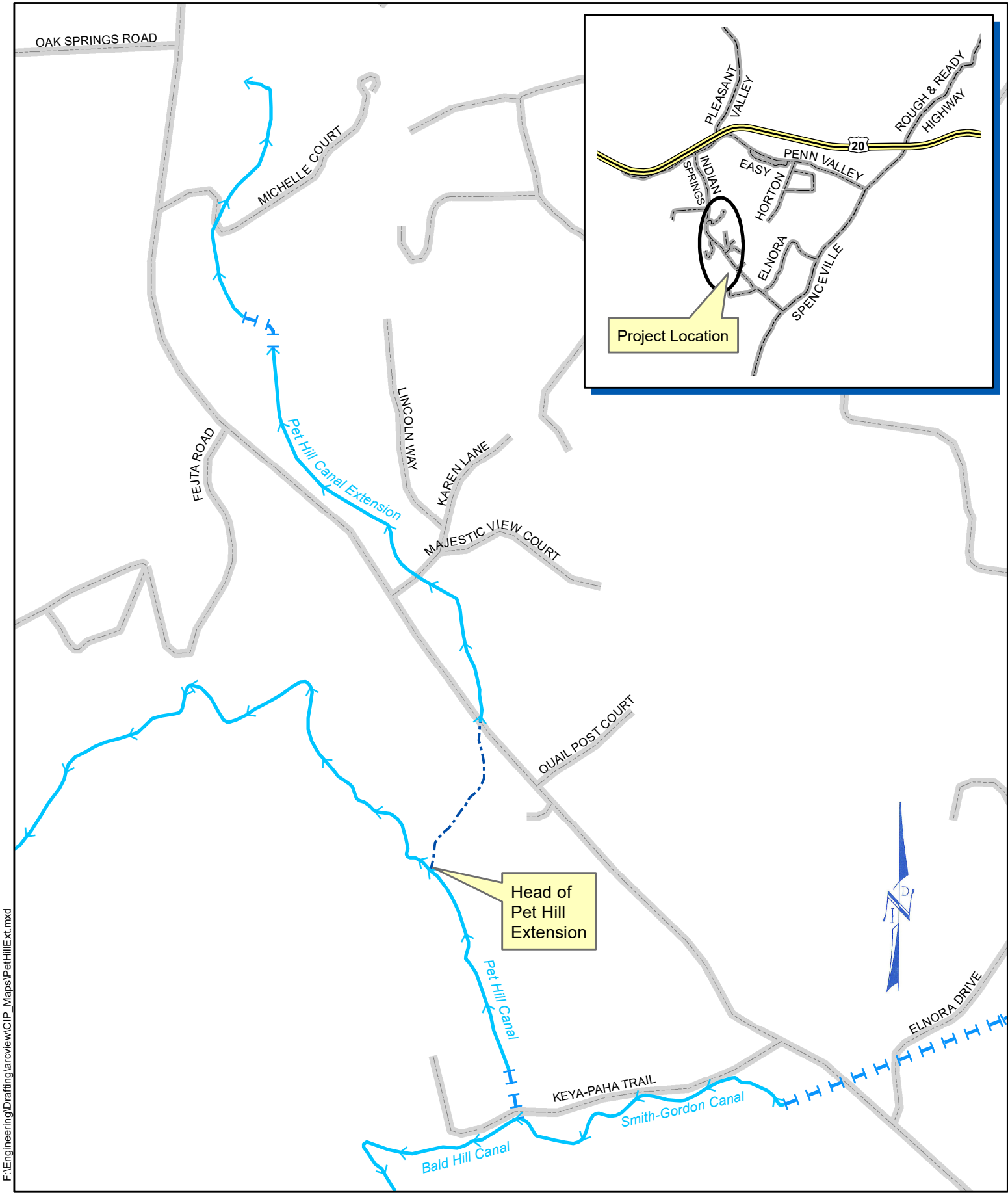
Expenditures:

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
Total:	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
Total:	0	0	120,000	0	0	0	0	120,000

Notes:



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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





2022 Annual Budget

Project Name: Sugarloaf Reservoir Project No.: 2550

Dept. 10151-Engineering Program: 52910-Raw Water Priority Ranking: 50

Facility: Sugar Loaf Reservoir Facility #: 10325 Division #: .

Project Manager: Adrian Schneider Constructed by: To be determined

New Construction: Replacement: Upgrades: Multiple Phases: _____

CEQA: IS/MND Permits: _____ ROW: _____

Project Purpose: (Problem Statement)

A sinkhole appeared on the top of the south embankment of the reservoir, showed structural weakness, and water was leaking through portions of the dry side of the embankment. Operations has determined that this reservoir should be abandoned, as the cost to repair it would exceed the minor benefit of its continued operation.

Project Description: (Proposed Solution)

Install new permanent by-pass and abandon reservoir.

Basis for Priority:

Reservoir is at top of hill, if it fails it would flood the homes below and would run into Nevada City

Project Financial Summary:

Project Estimate: 200,000 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			80,000					80,000
Construction			120,000					120,000
Right of Way								0
Other:								0
Total:	0	0	200,000	0	0	0	0	200,000

Funding Sources

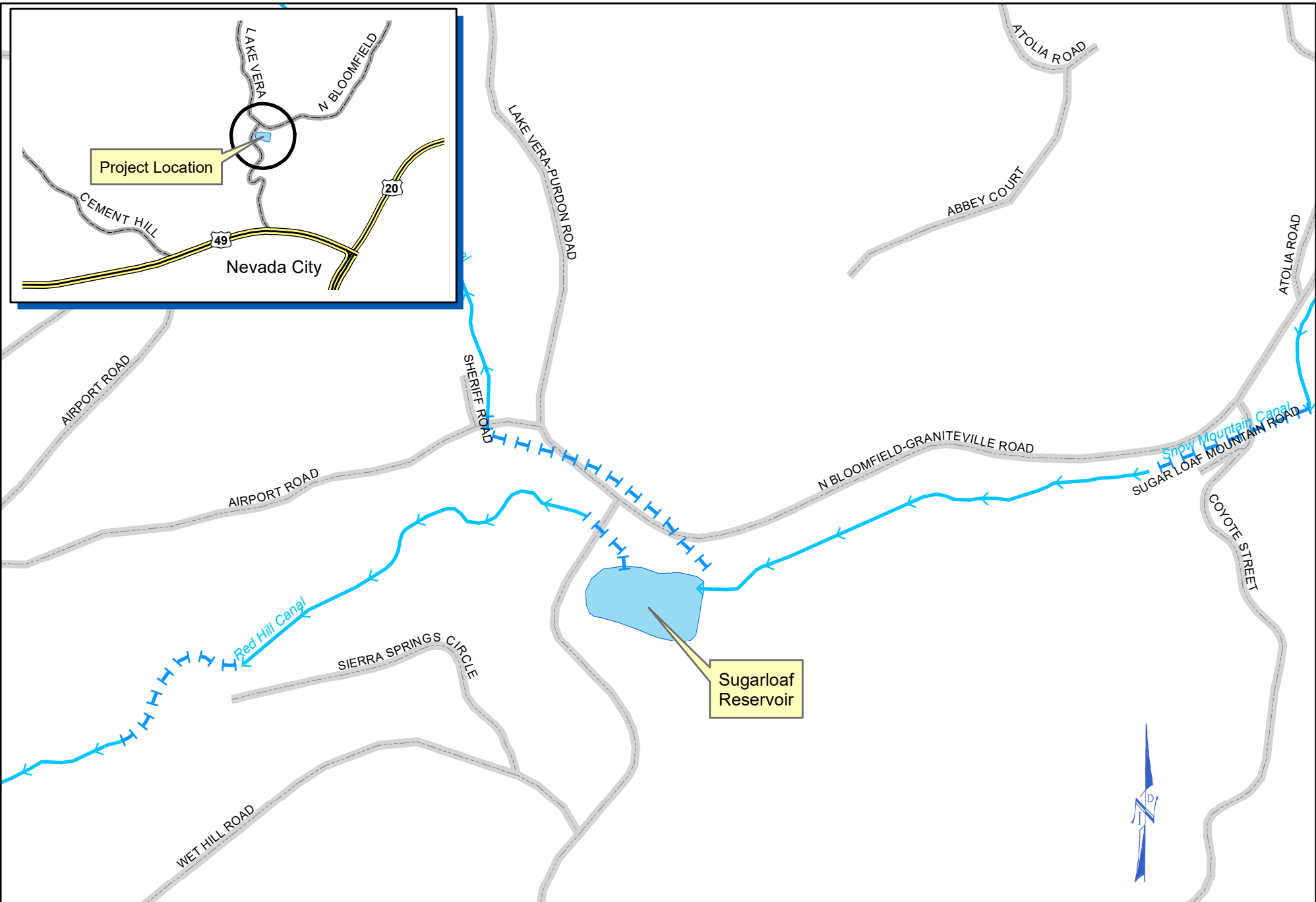
Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
Water Fund - 10			200,000					200,000
								0
								0
Total:	0	0	200,000	0	0	0	0	200,000

Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Sugarloaf Reservoir Project No.: 2550

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 Costs	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. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	3
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	1
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 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	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

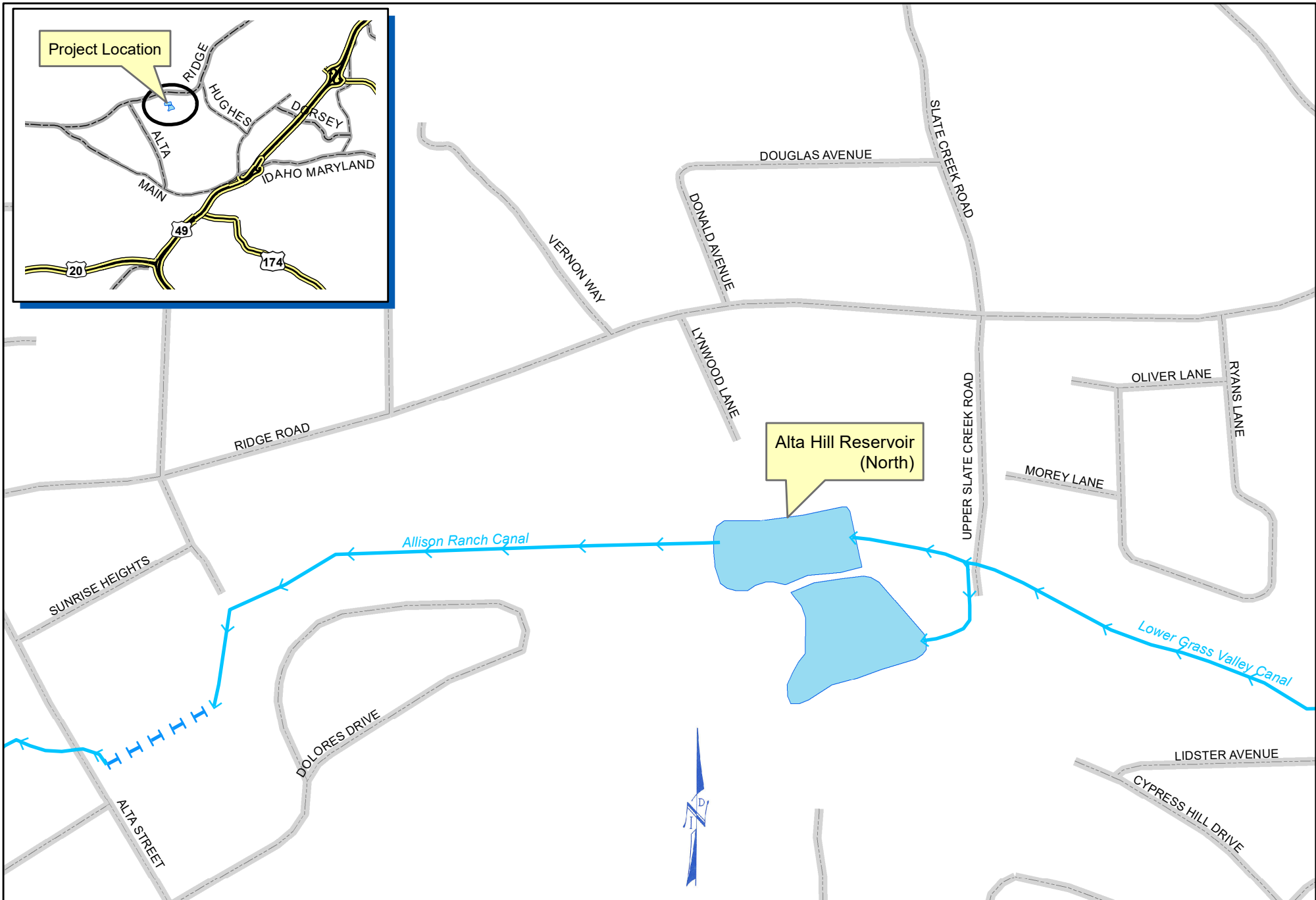
Sheet: 1 of 1



CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Alta Hill Reservoir Project No.: 2604

Criteria #	Scoring	Project
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 Costs	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. Environmental	10 Points - Improves/Reduces Impacts to Environment 5 Points - No Impact 0 Points - Increases Threat/Impact to Environment	4
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	1
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	1
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 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	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
Total:	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
Total:	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
Total:	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
Total:	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
Total:	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
Total:	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
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 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	10
5. Environmental	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	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	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	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 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 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
Total:	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
Total:	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
Total:	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
Total:	0	0	48,000	0	0	0	0	48,000

Notes:

CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

Project: Chemical Storage Tanks 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	4
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. Environmental	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	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	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	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 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 64



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
Total:	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
Total:	0	0	\$60,000	0	0	0	0	\$0

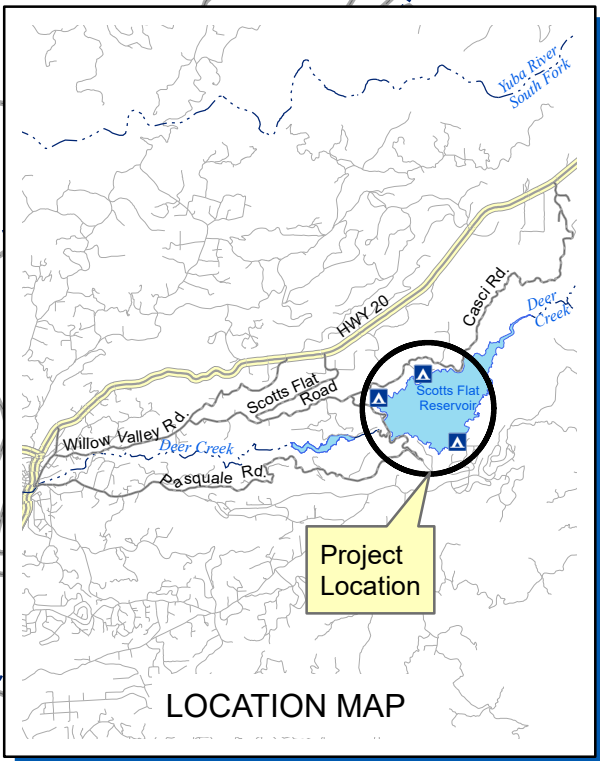
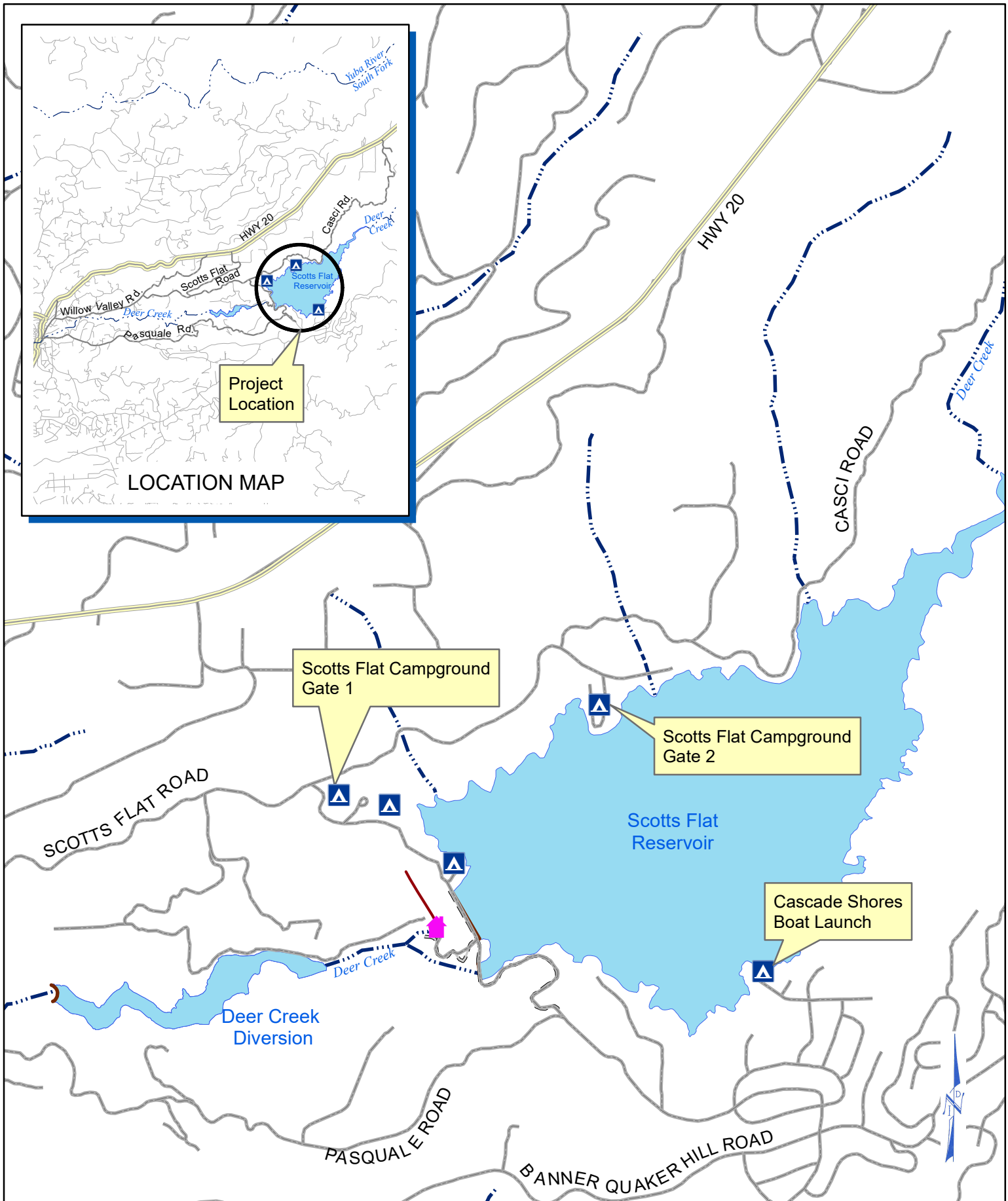
Notes:

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

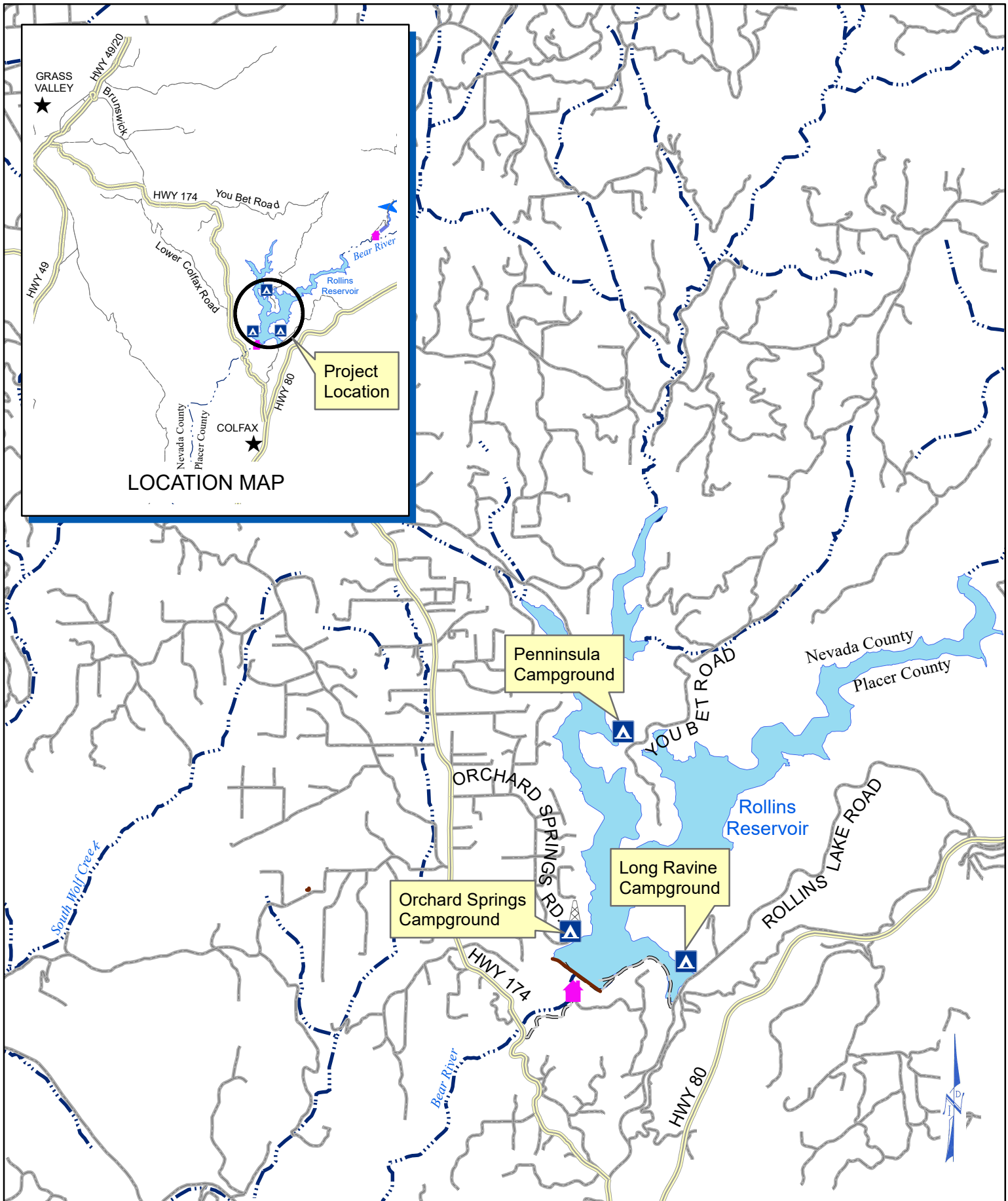
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NEVADA IRRIGATION DISTRICT

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
Total:	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
Total:	0	0	\$50,000	\$50,000	\$50,000	\$50,000	0	\$200,000

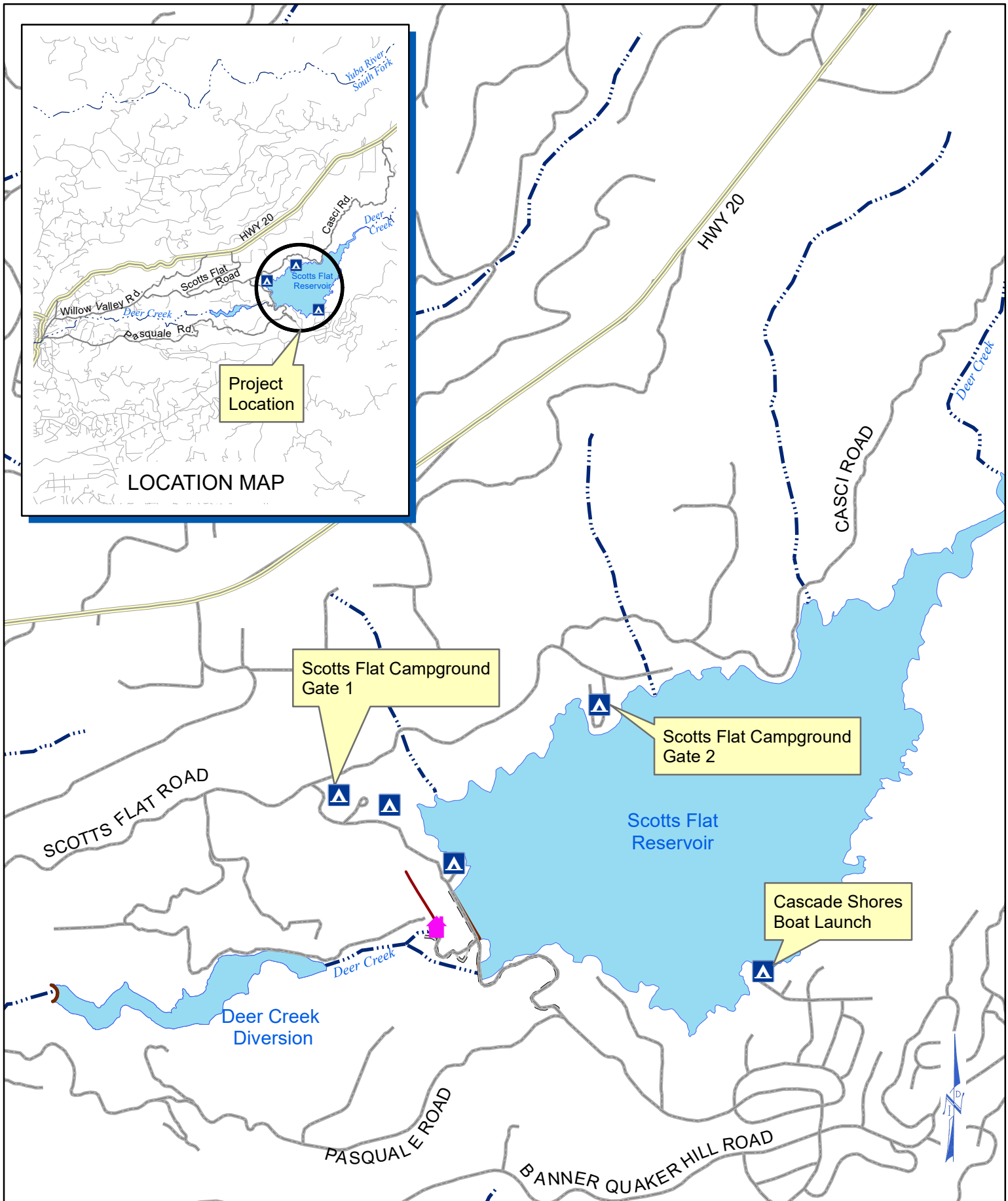
Notes:

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

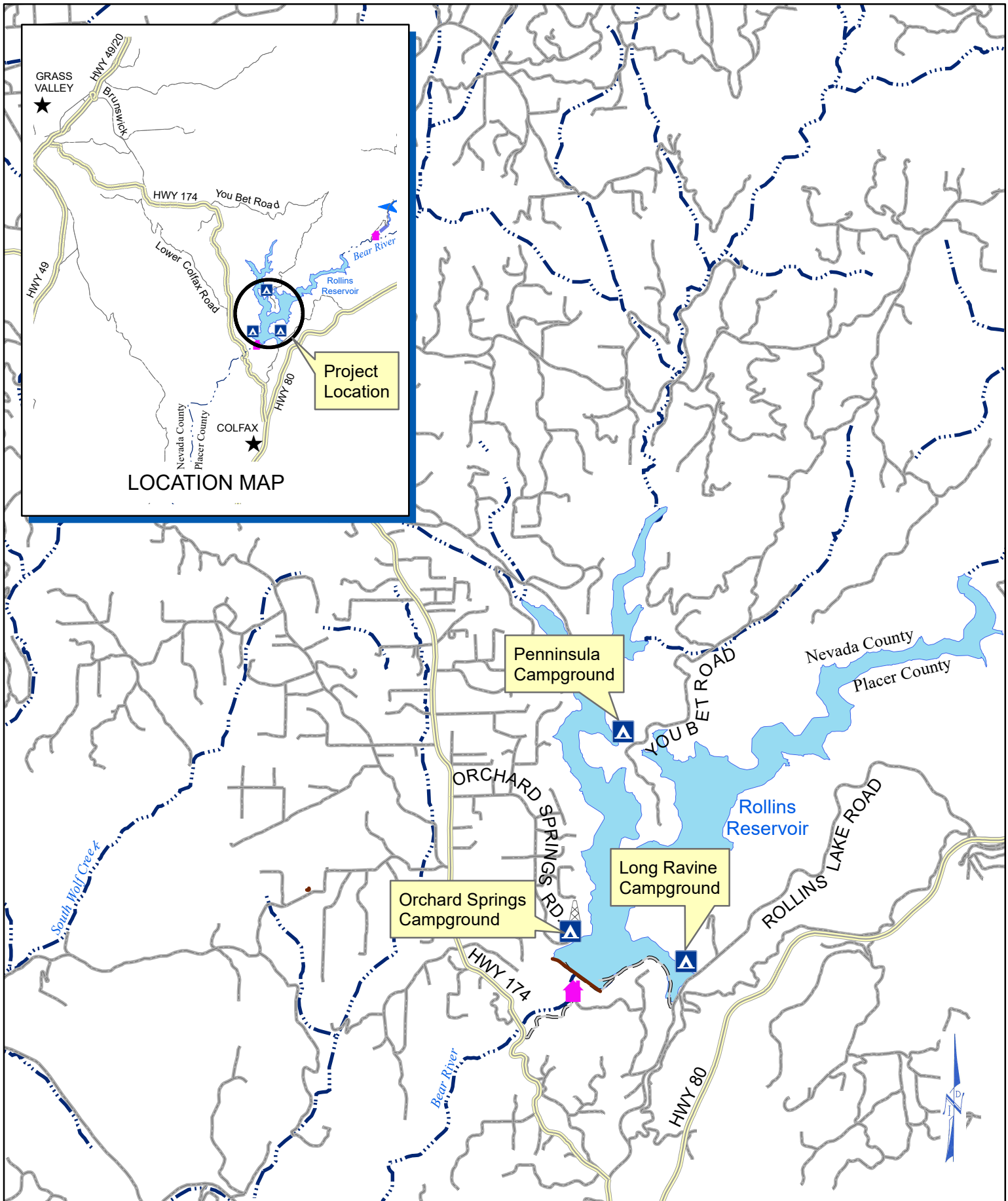
Drawn By: NID

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
Total:	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
Total:	0	0	\$40,000	0	0	0	0	\$40,000

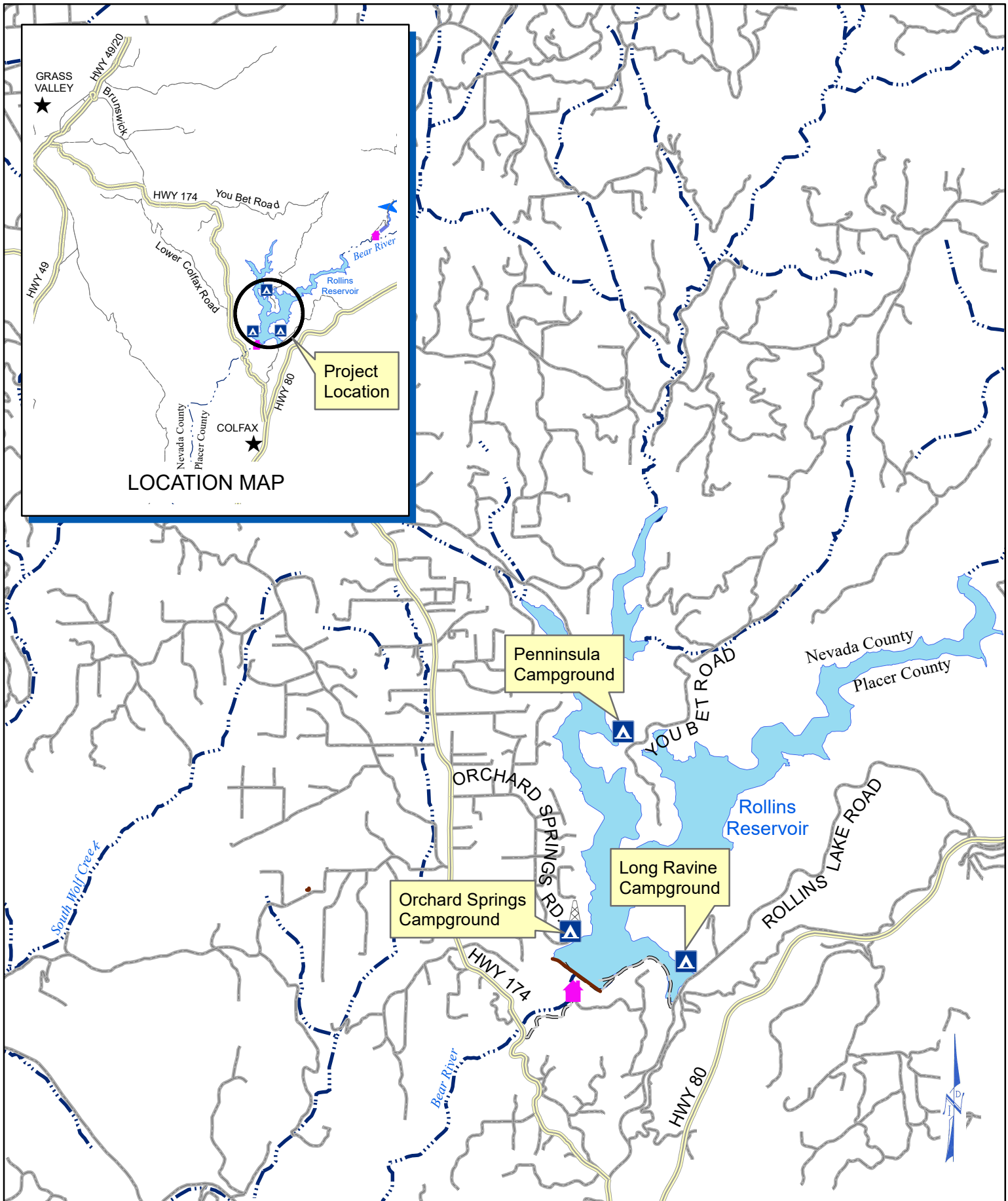
Notes:

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

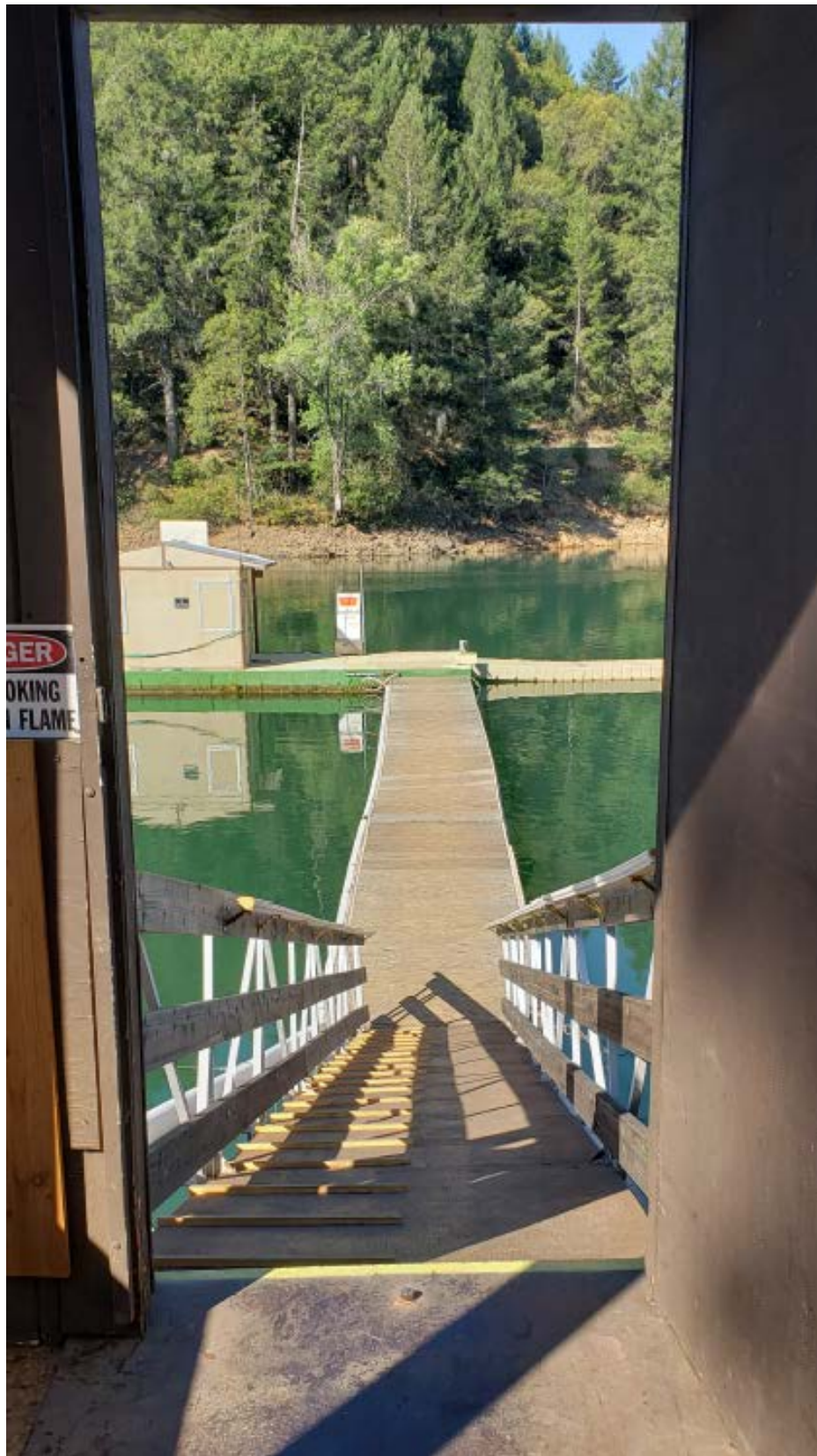
Drawn By: NID

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
Total:	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
Total:	0	0	\$42,000 0		0	0	0	\$42,000

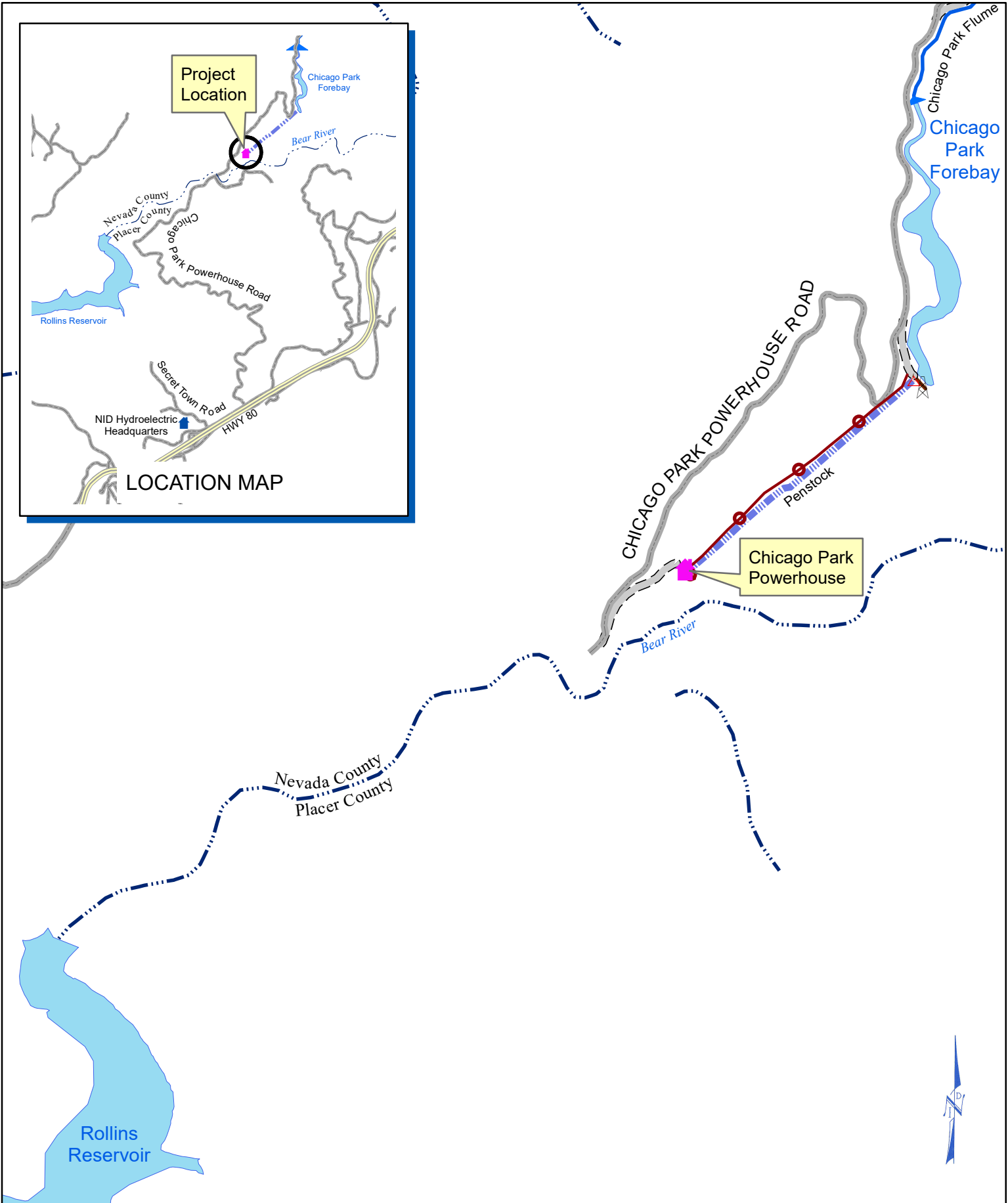
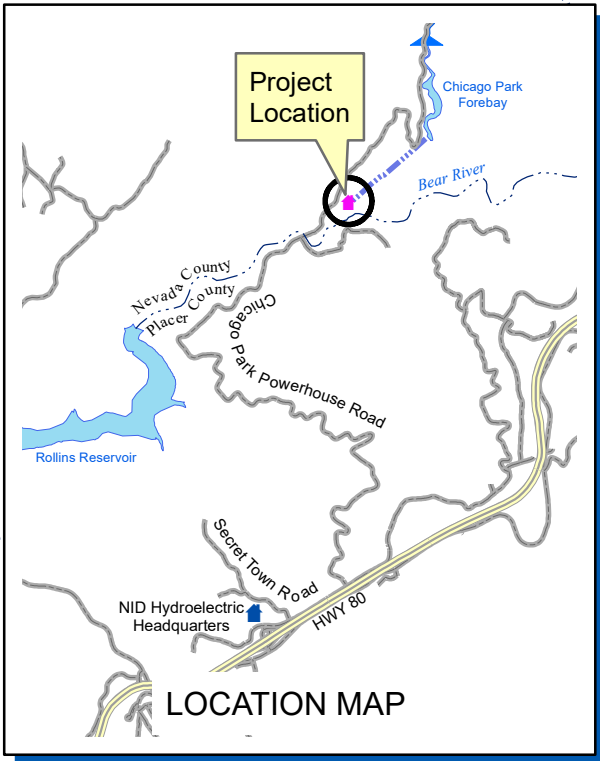
Notes:

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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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: 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
Total:	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
Total:	0	0	\$20,000	0	0	0	0	\$20,000

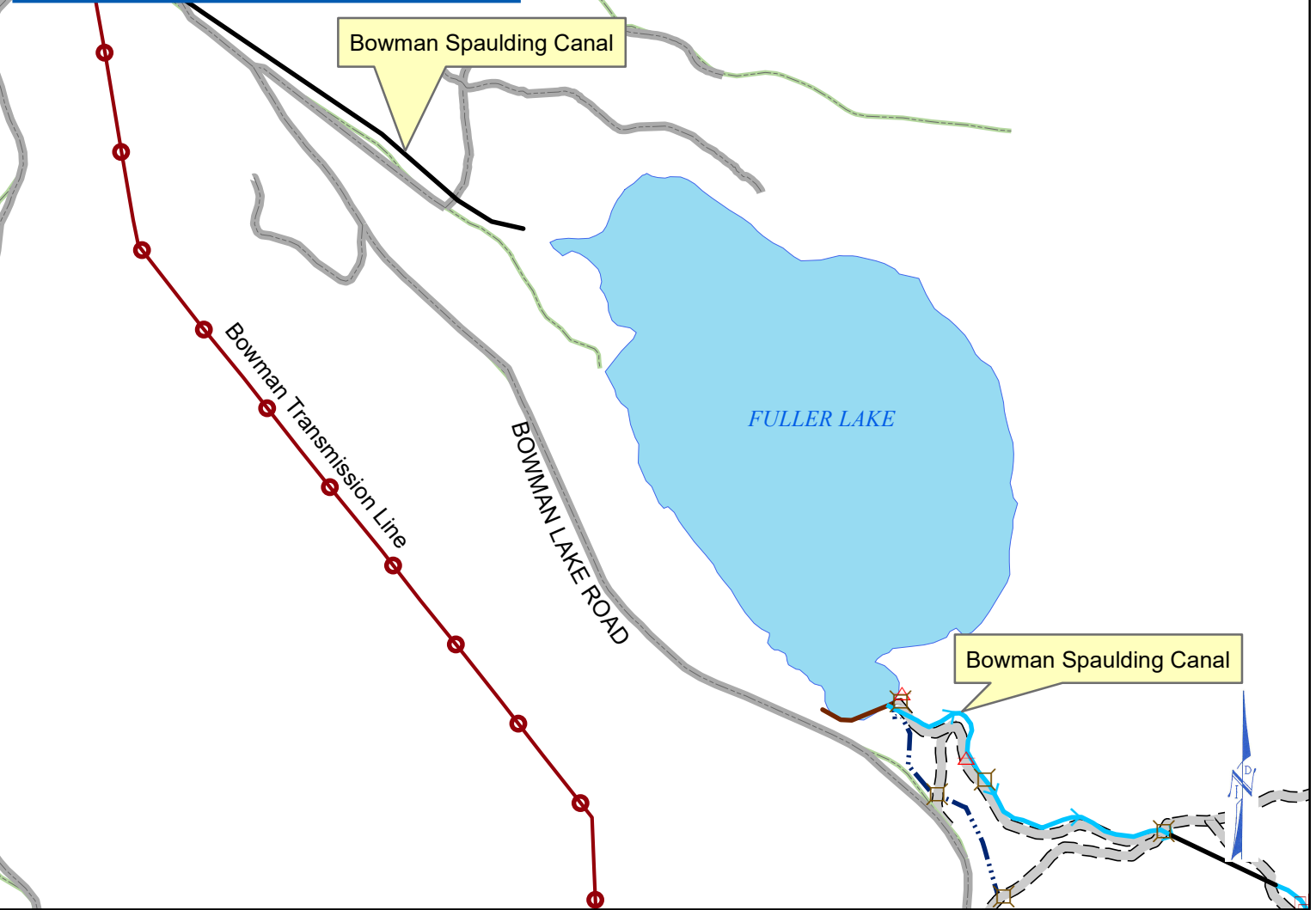
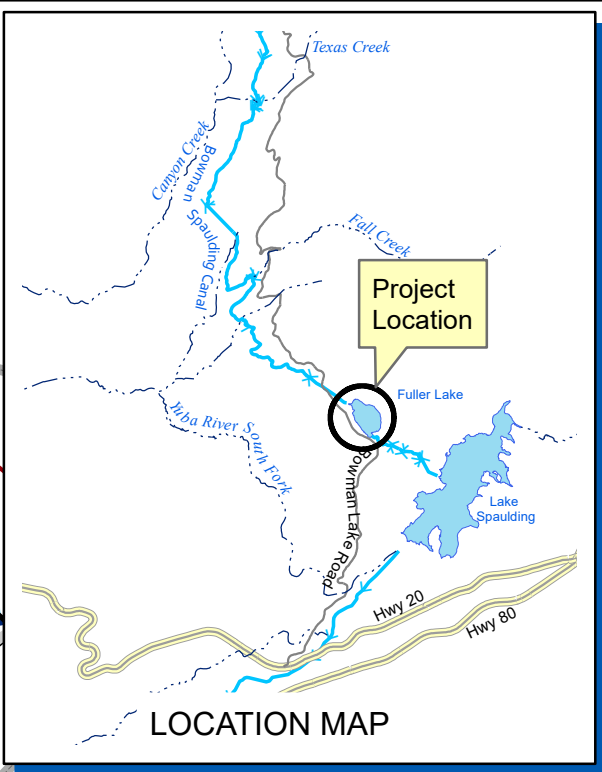
Notes:

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



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
Total:	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
Total:	0	0	\$20,000	0	0	0	0	\$20,000

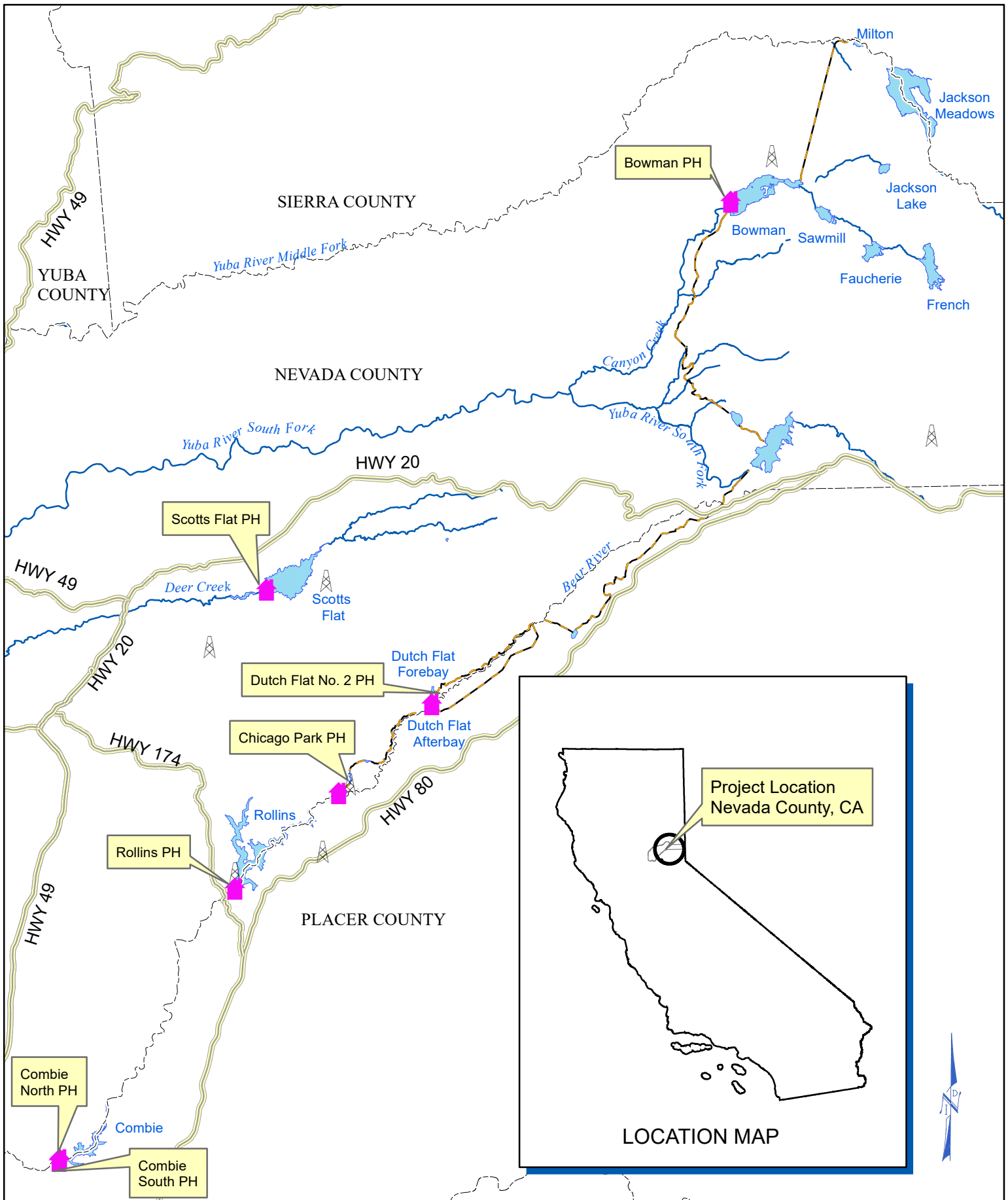
Notes:

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
Total:	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
Total:	0		\$13,000 0	0	0	0	0	\$13,000

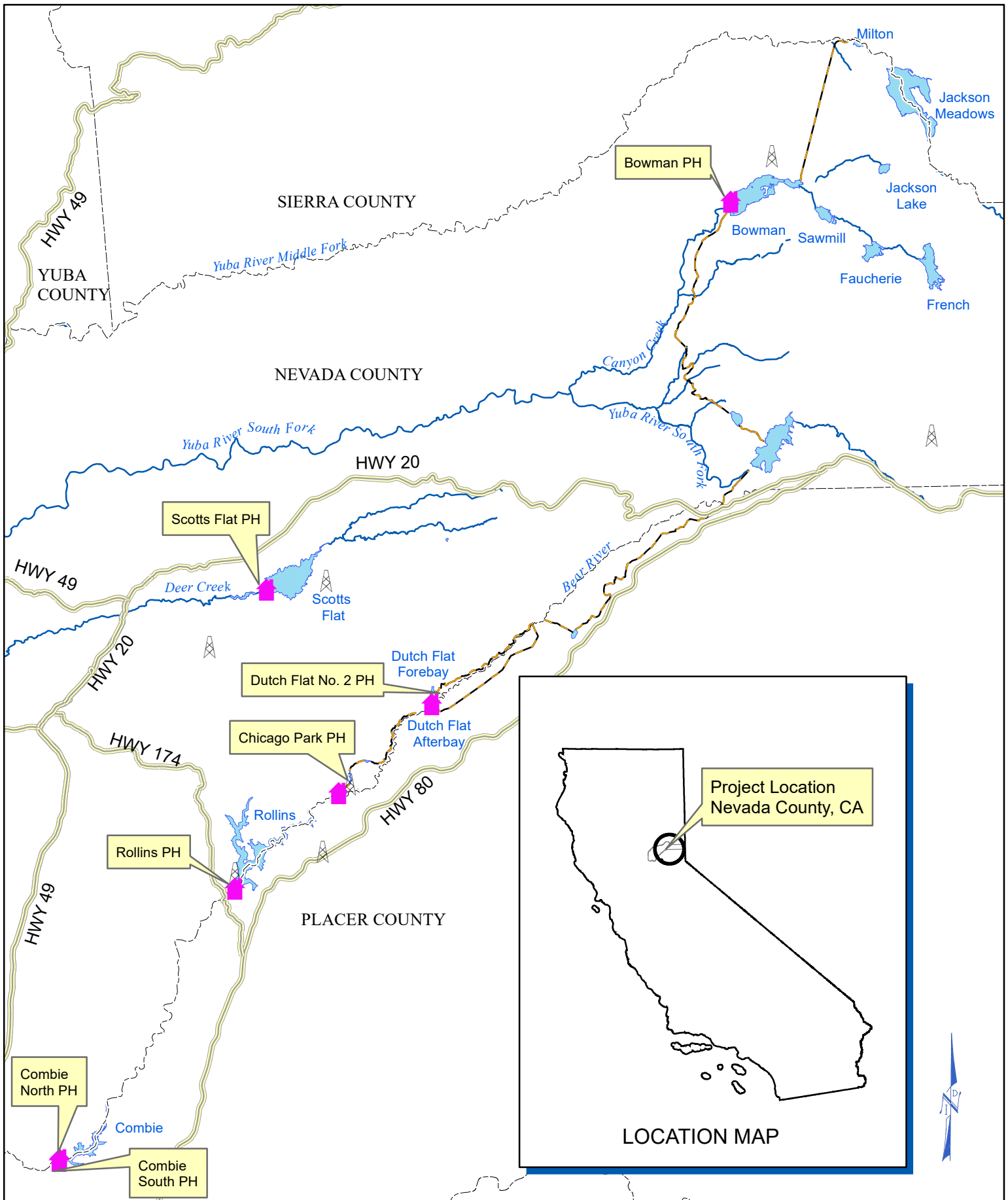
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CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

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

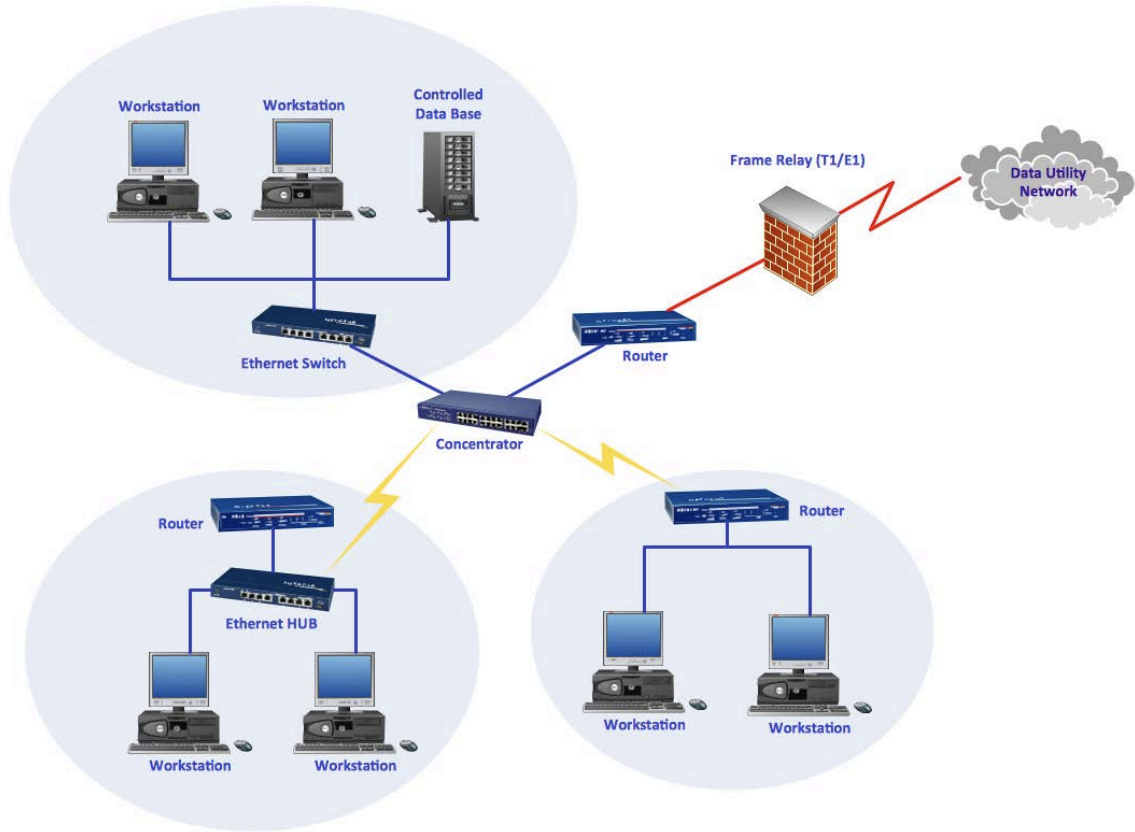
Drawn By: NID

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1

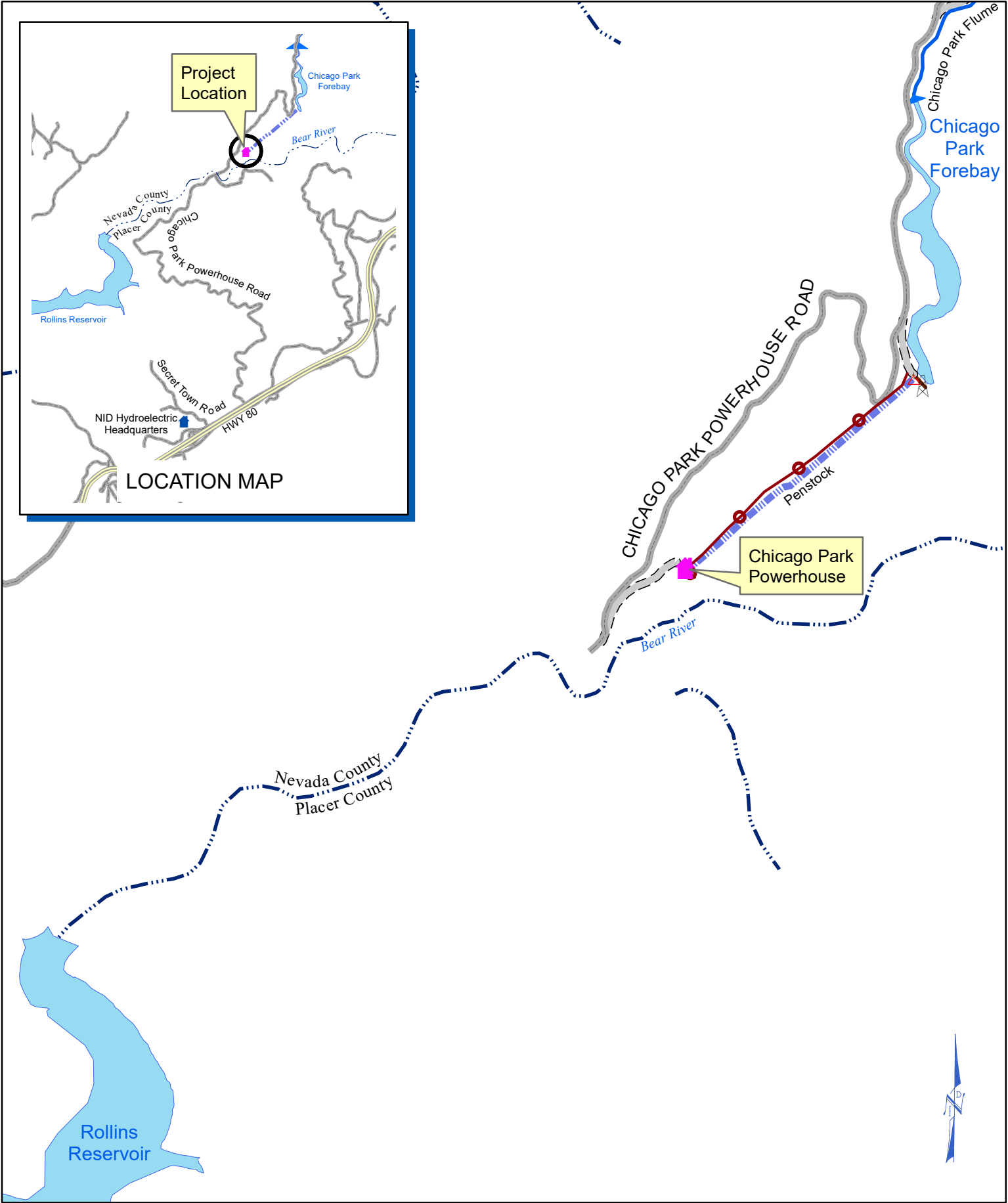
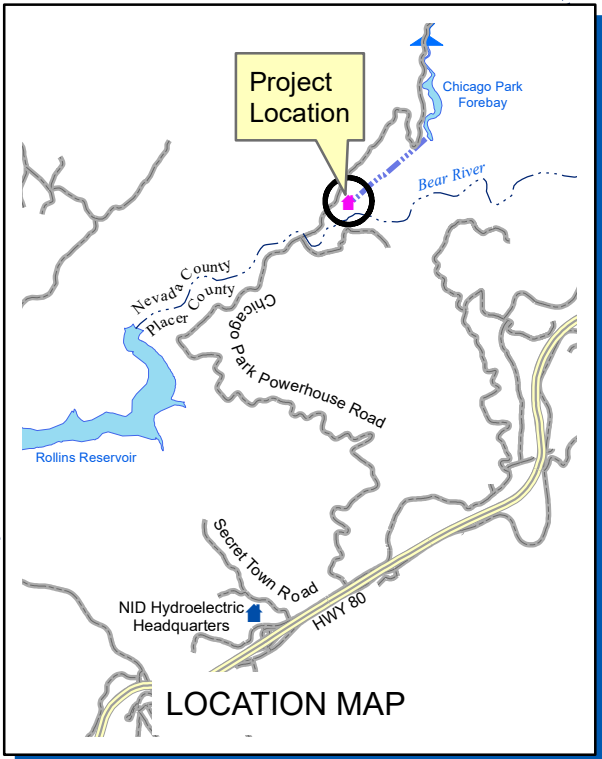


CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

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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CHICAGO PARK POWERHOUSE

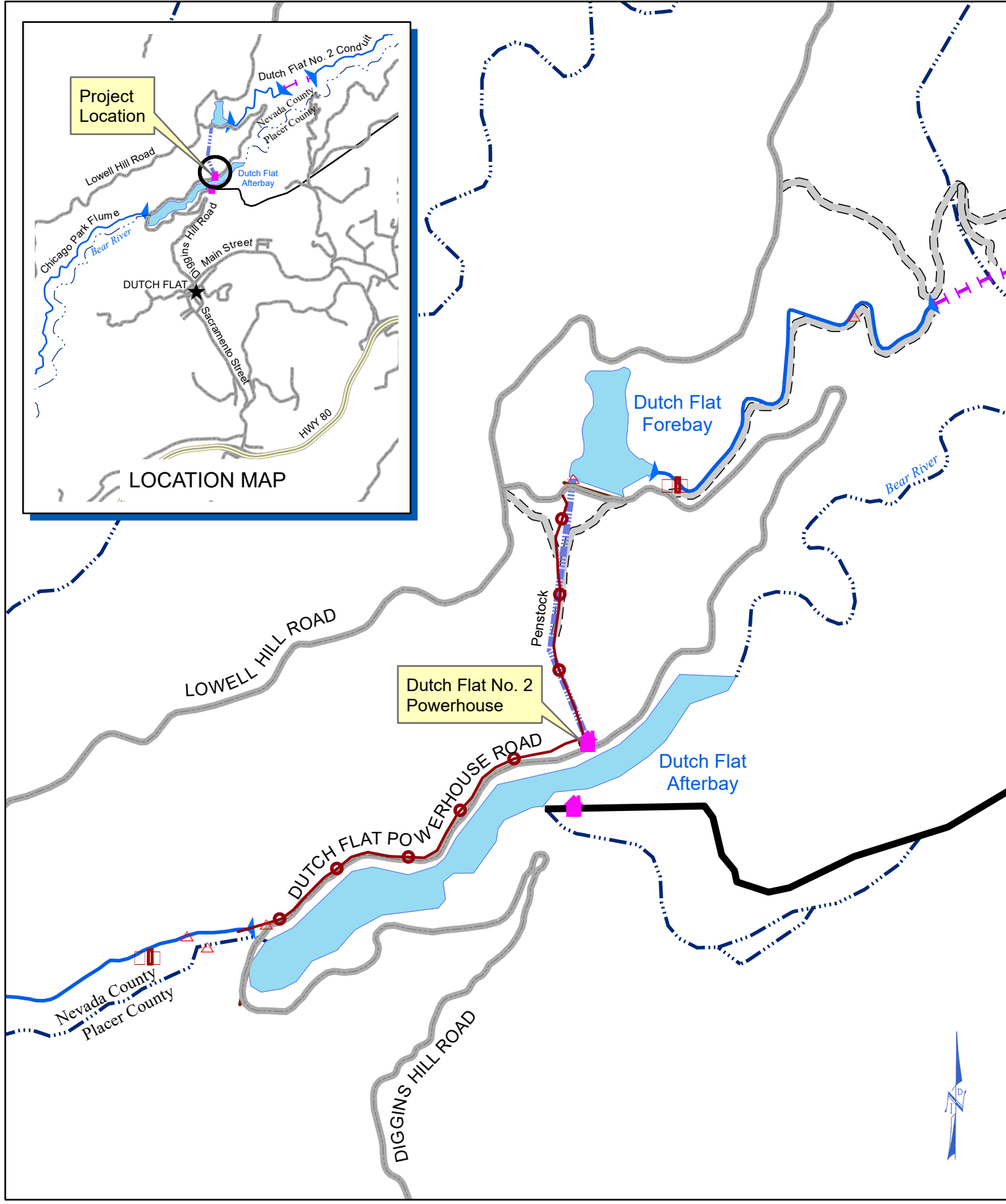
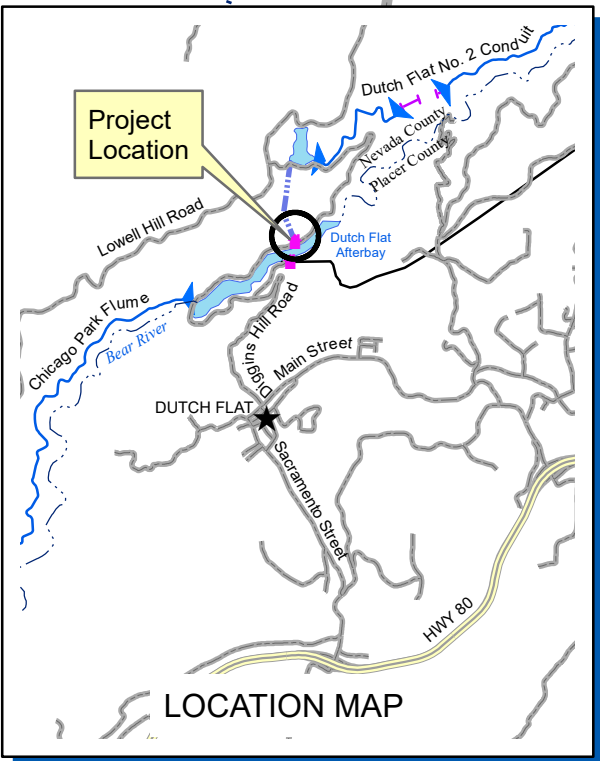


Date: 9/14/2021
 Drawn By: NID

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

Scale: NO SCALE
 Sheet: 1 of 1

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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
Total:	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
Total:	0	0	\$100,000	0	0	0	0	\$100,000

Notes:

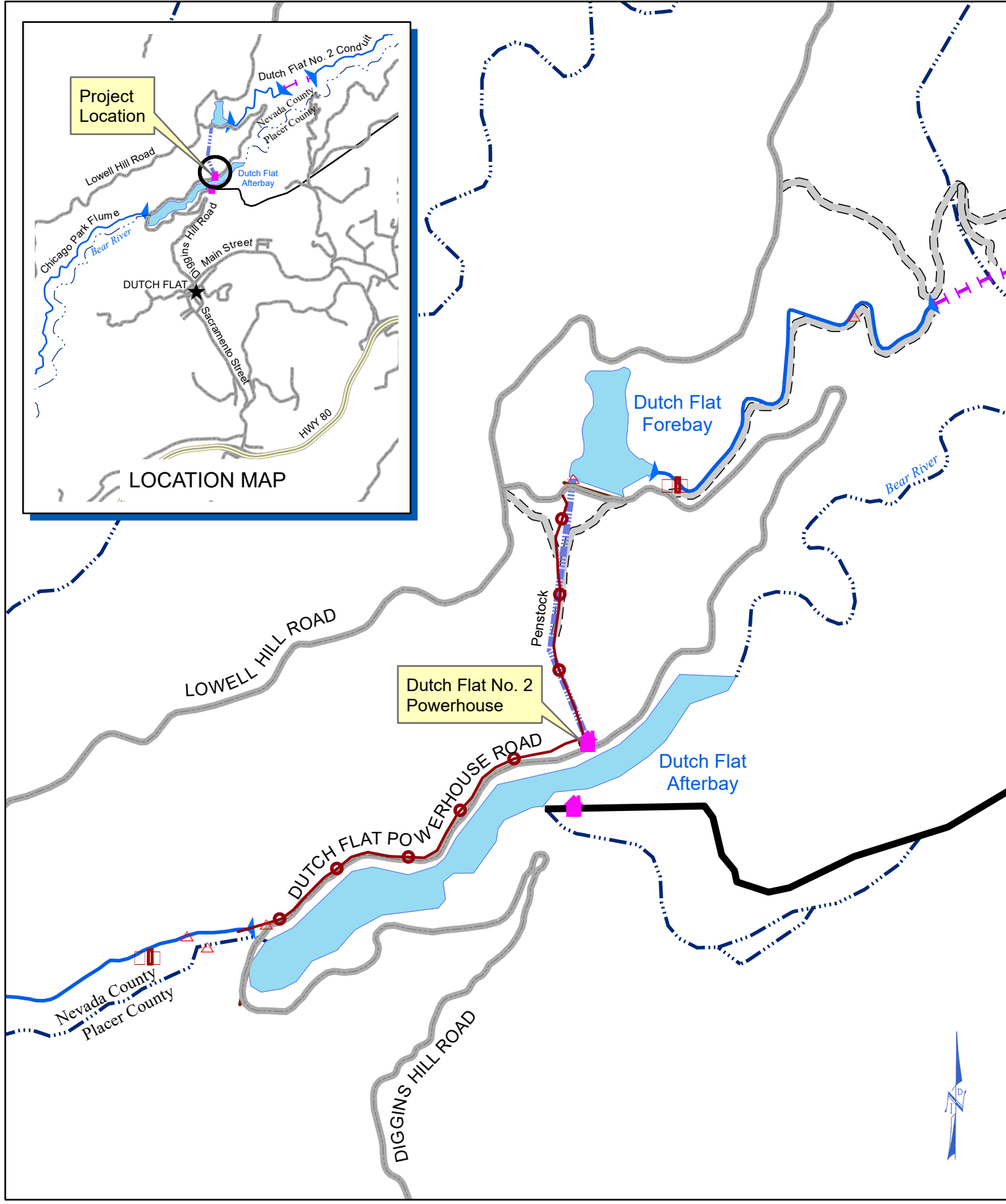
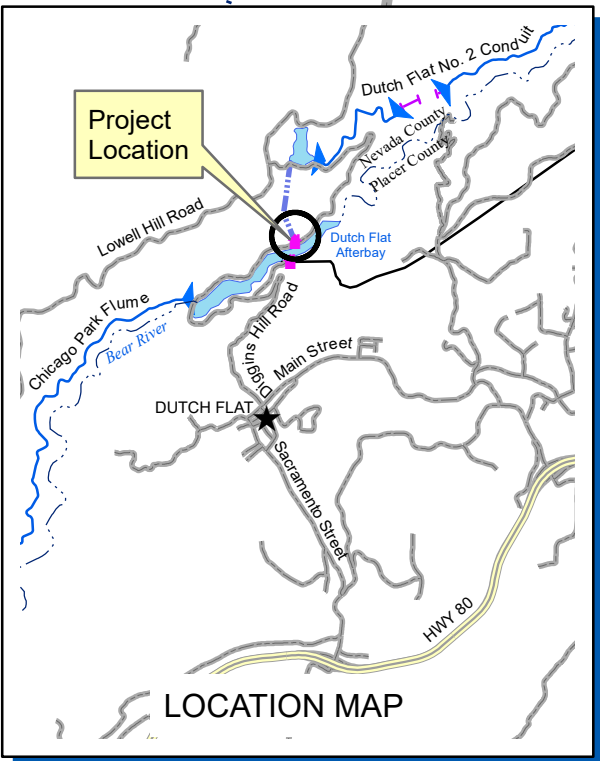
CAPITAL IMPROVEMENT PROJECT MATRIX SCORING SHEET

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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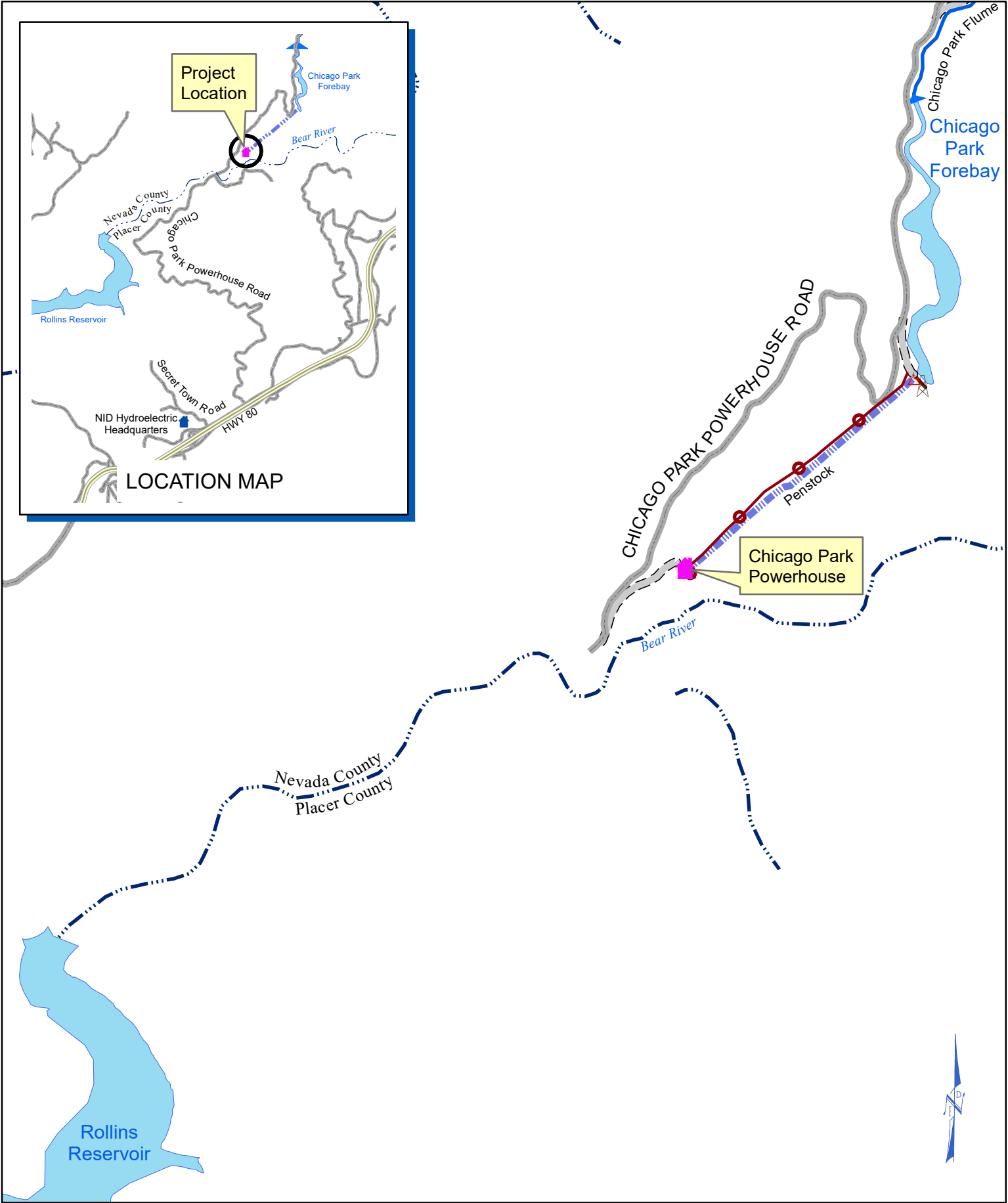
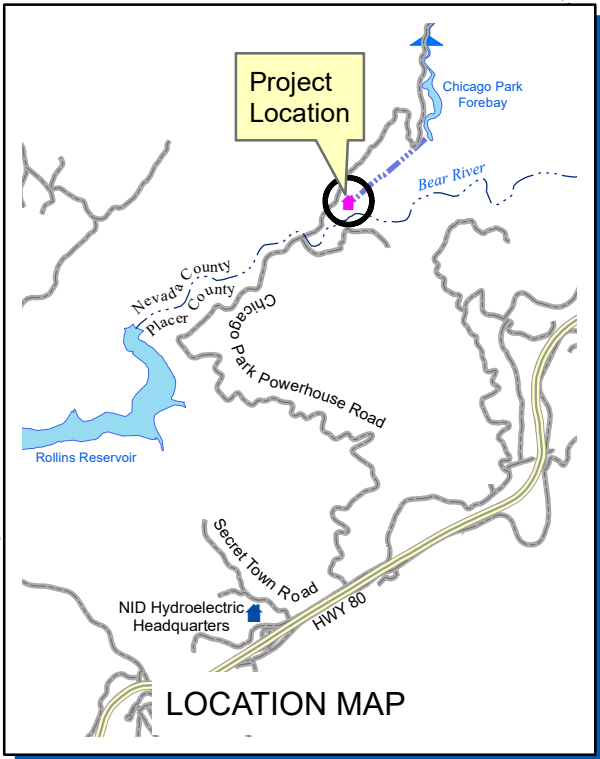
DUTCH FLAT NO. 2 POWERHOUSE



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
Total:	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
Total:	0	0	\$35,000	0	0	0	0	\$35,000

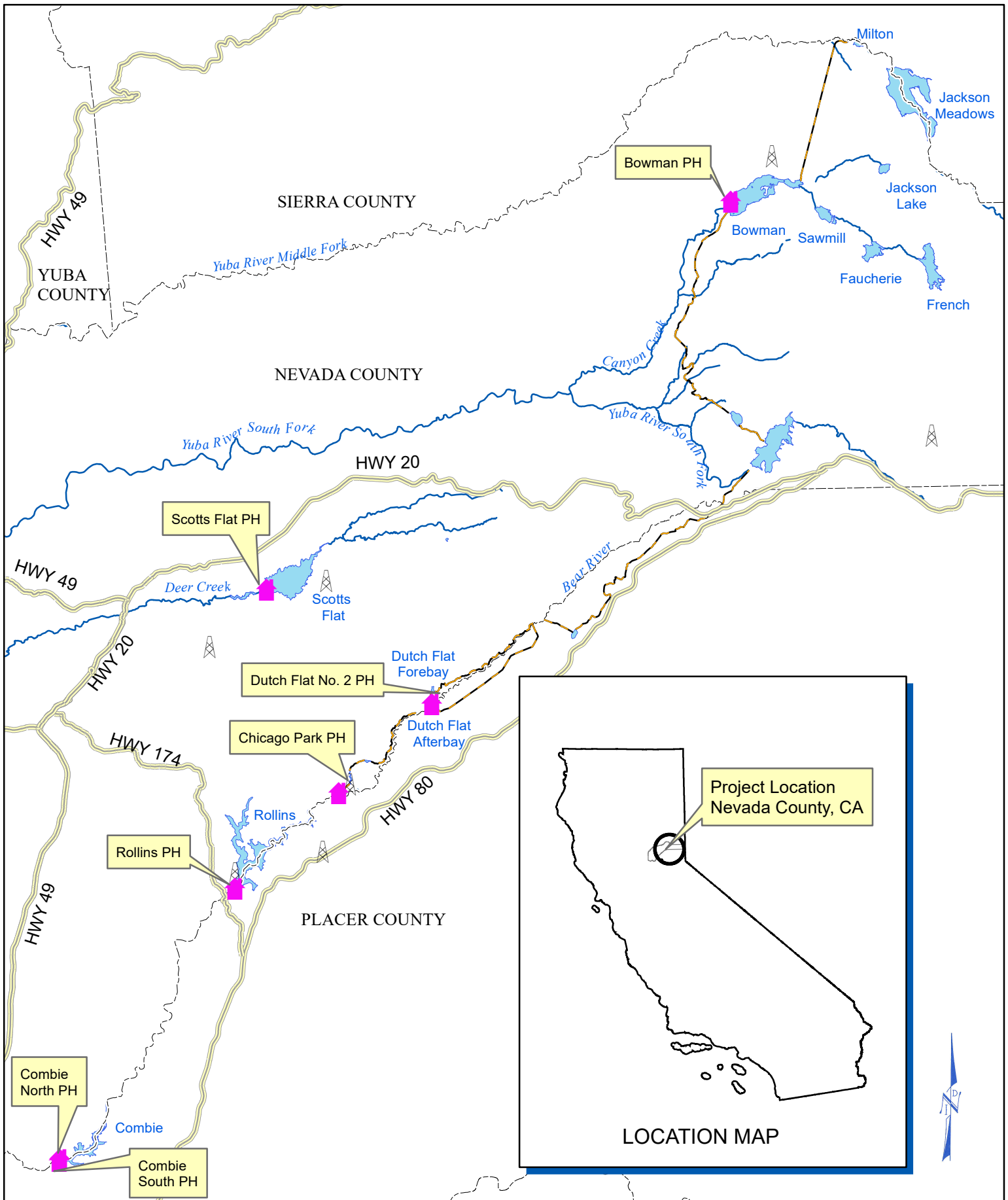
Notes:

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
Total:	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
Total:	0	0	\$25,000	0	0	0	0	\$25,000

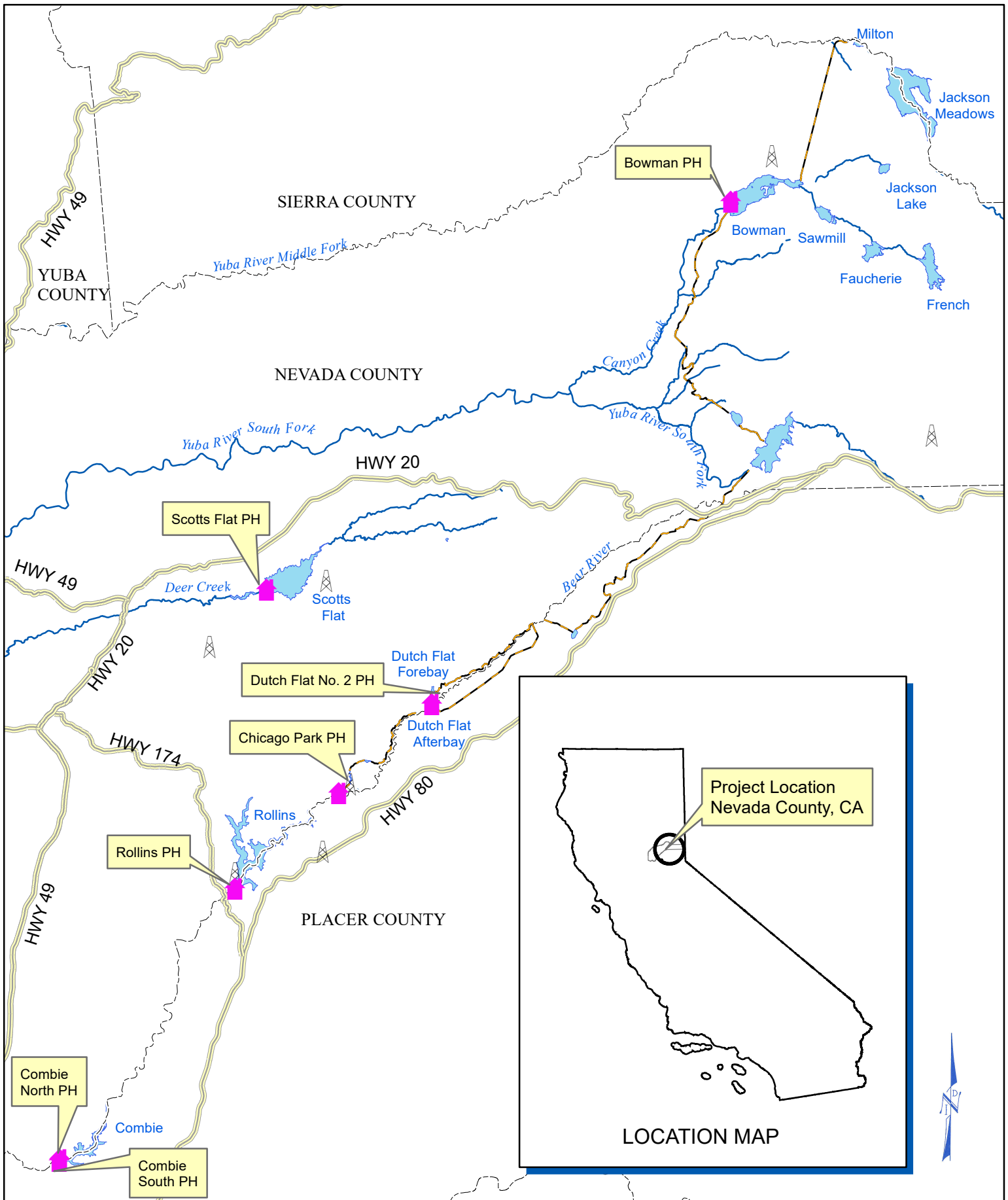
Notes:

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
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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: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
Total:	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
Total:	0	0	\$45,000	0	0	0	0	\$45,000

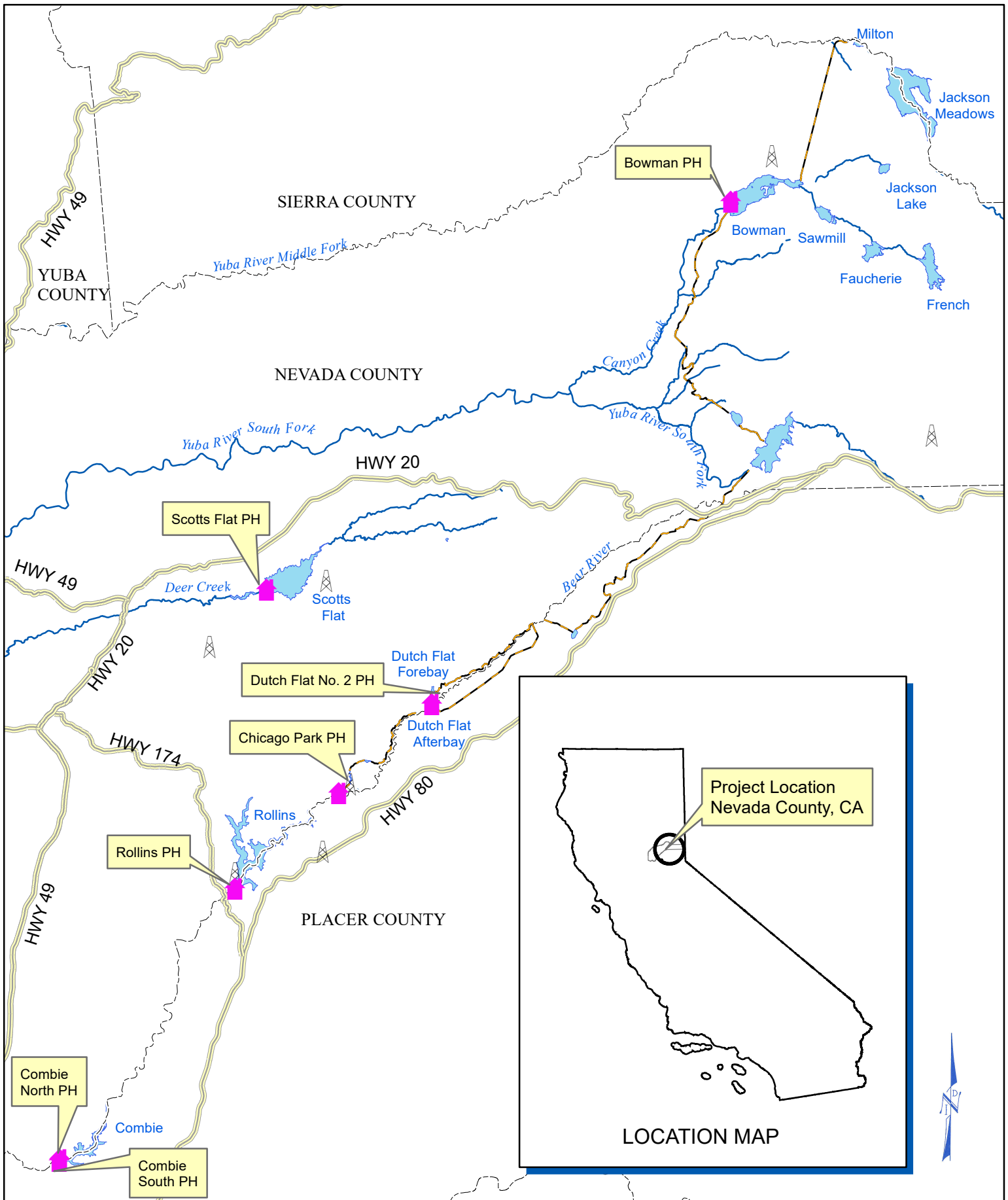
Notes:

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
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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
Total:	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
Total:	0	0	\$25,000	0	0	0	0	\$25,000

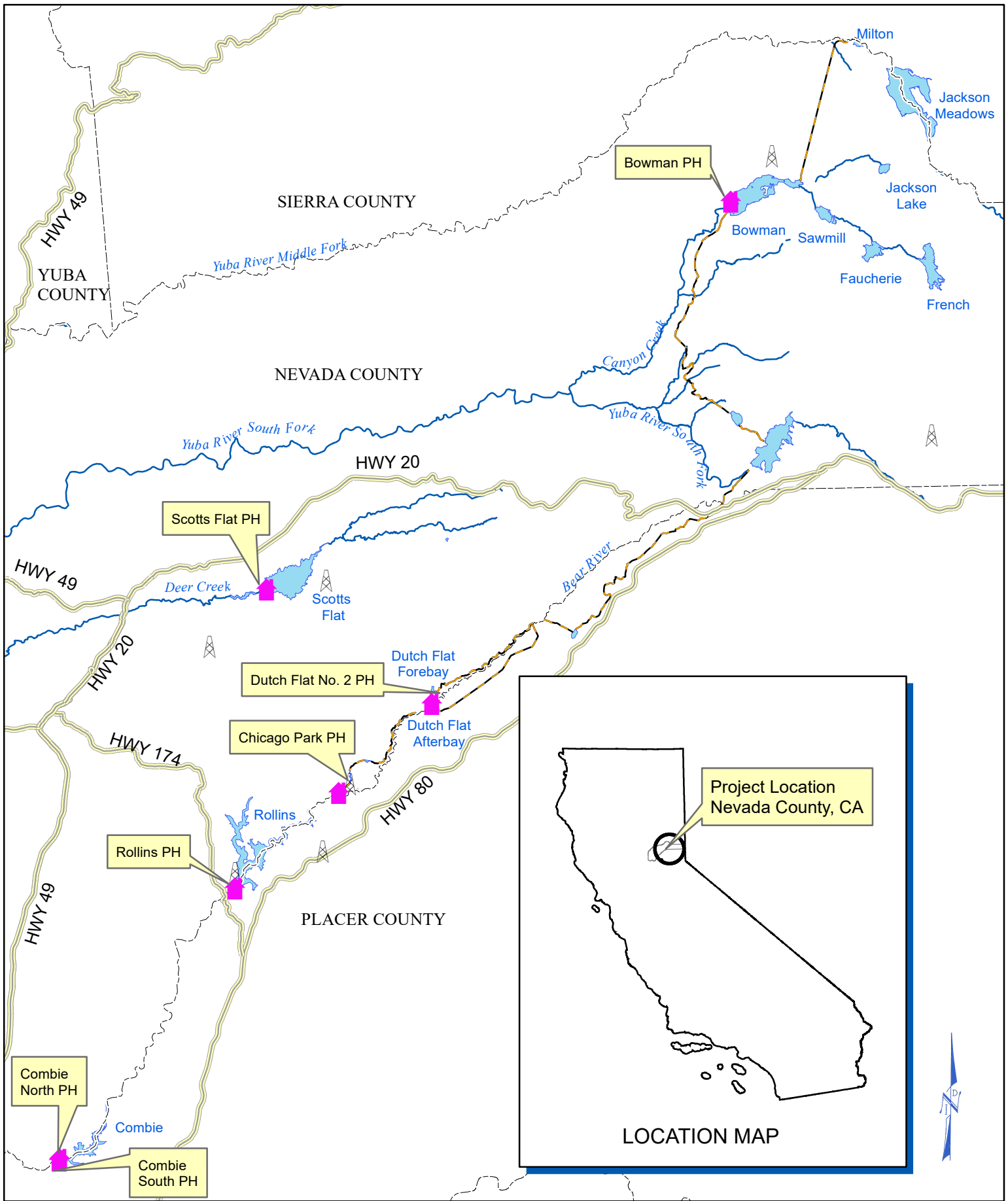
Notes:

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
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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
Total:	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
Total:	0	0	\$1,000,000	\$15,000,000	0	0	0	\$16,000,000

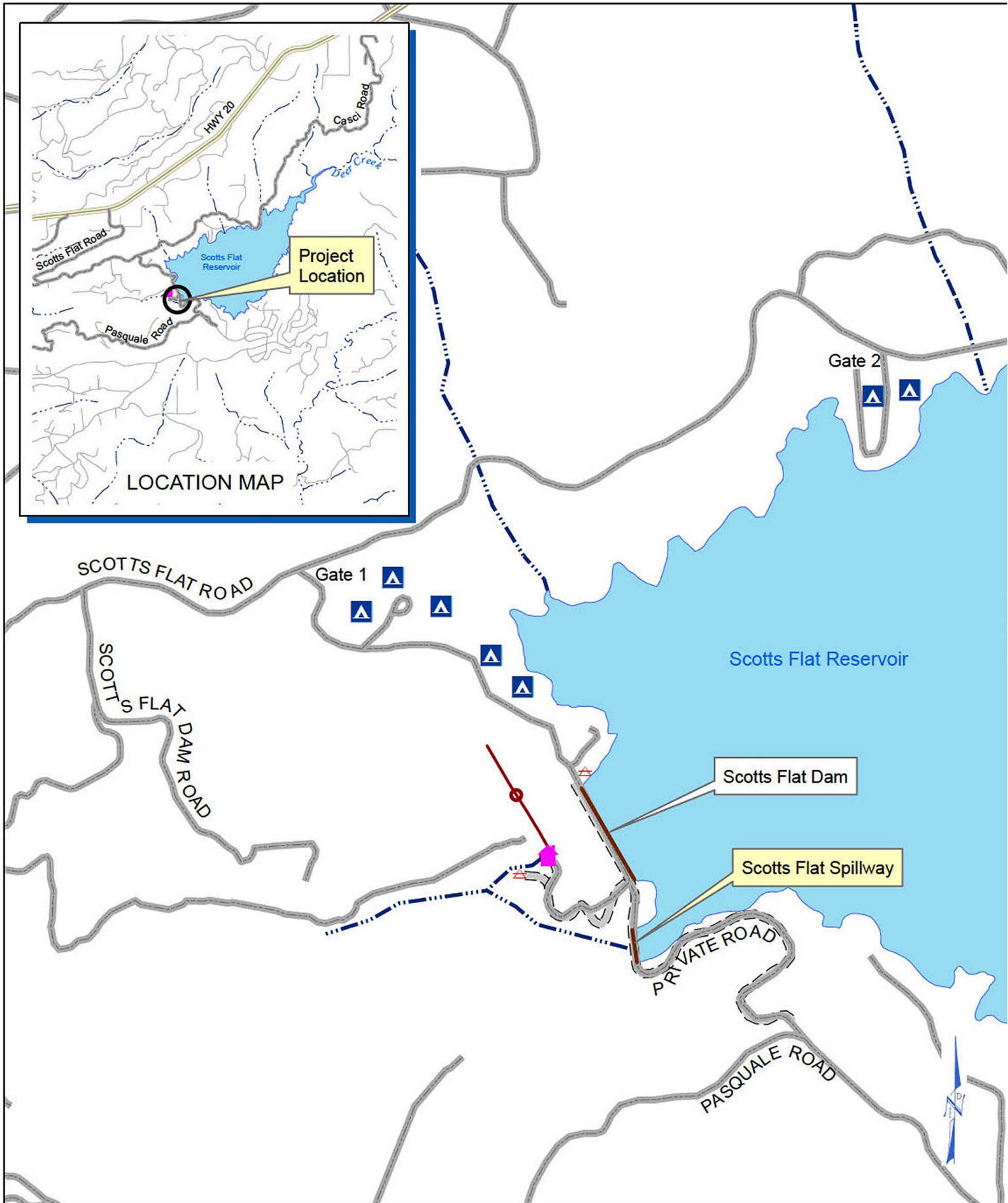
Notes: Required by FERC

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



SCOTT'S FLAT SPILLWAY



Date: 9/15/2021

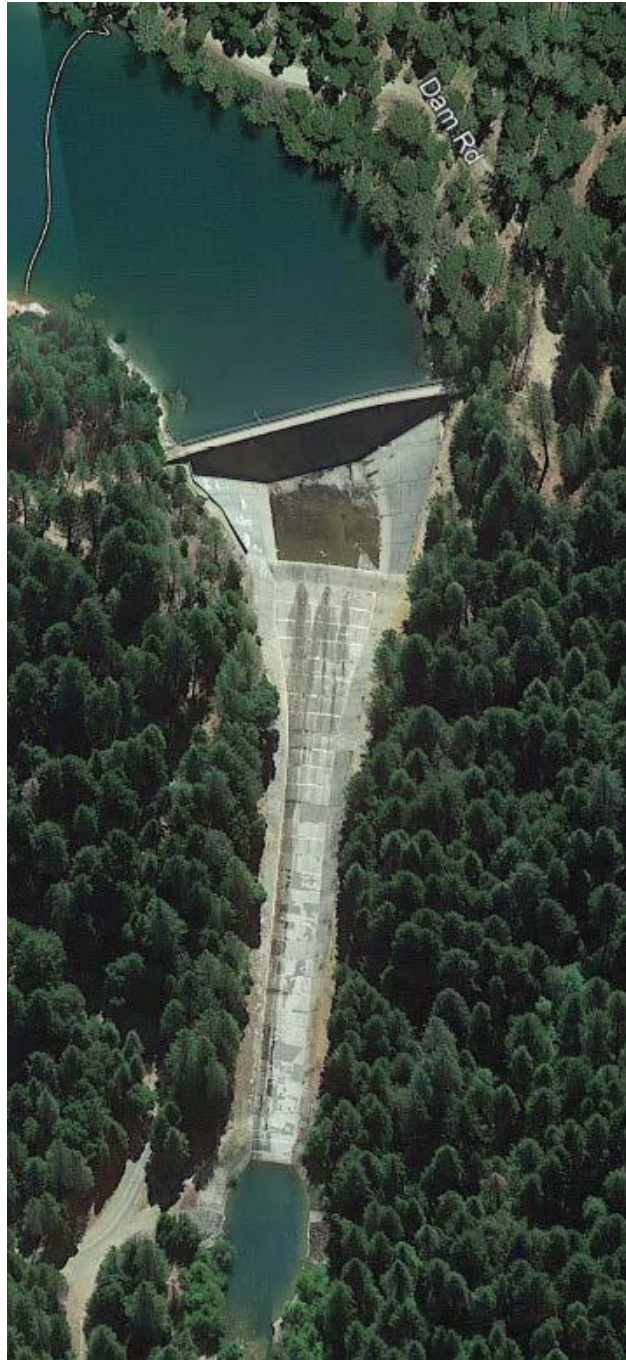
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NEVADA IRRIGATION DISTRICT

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
Total:	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
Total:	\$32,400	0	\$250,000	0	0	0	0	\$300,000

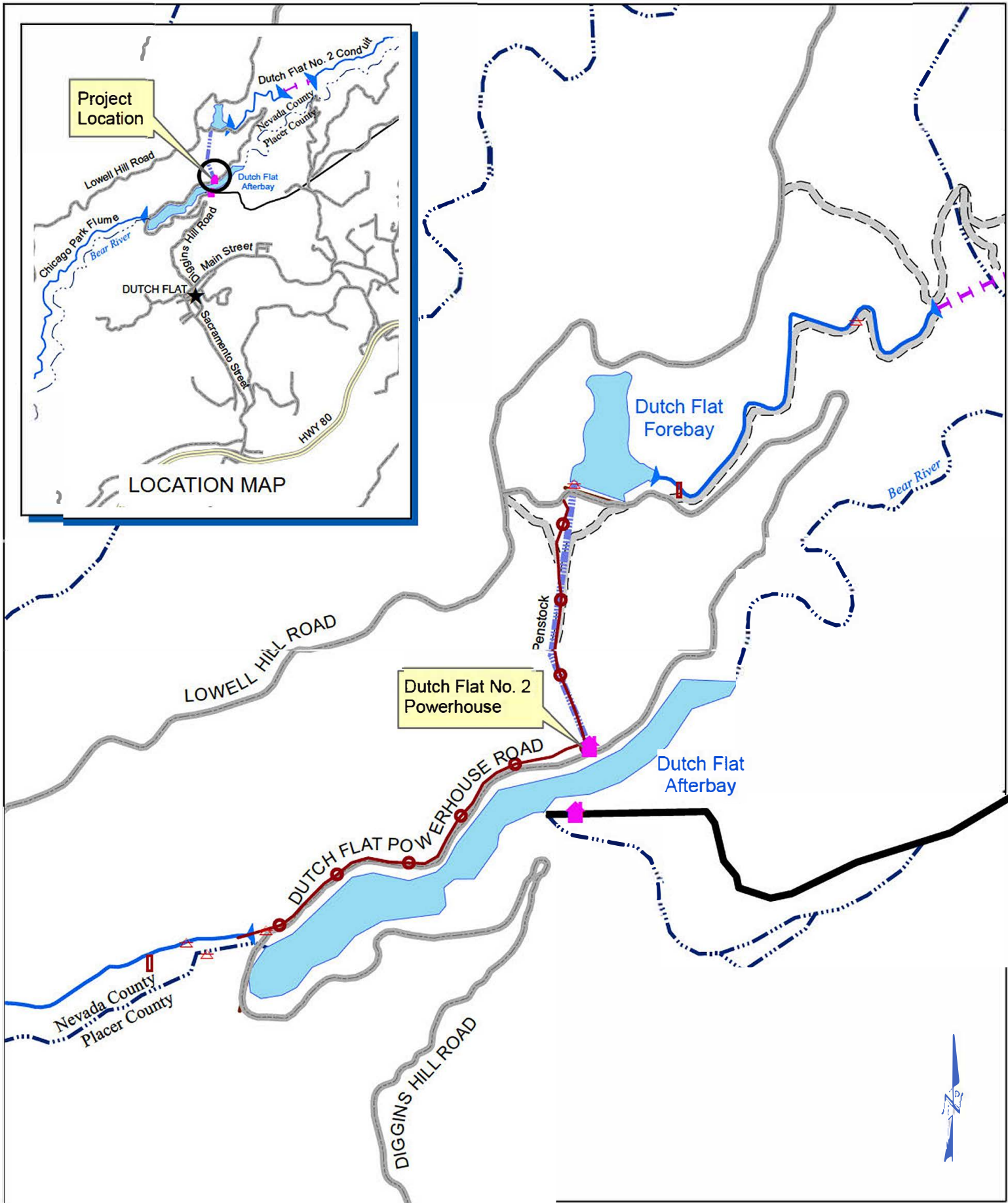
Notes:

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
Total:	\$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
Total:	\$50,000	0	\$250,000	0	0	0	0	\$300,000

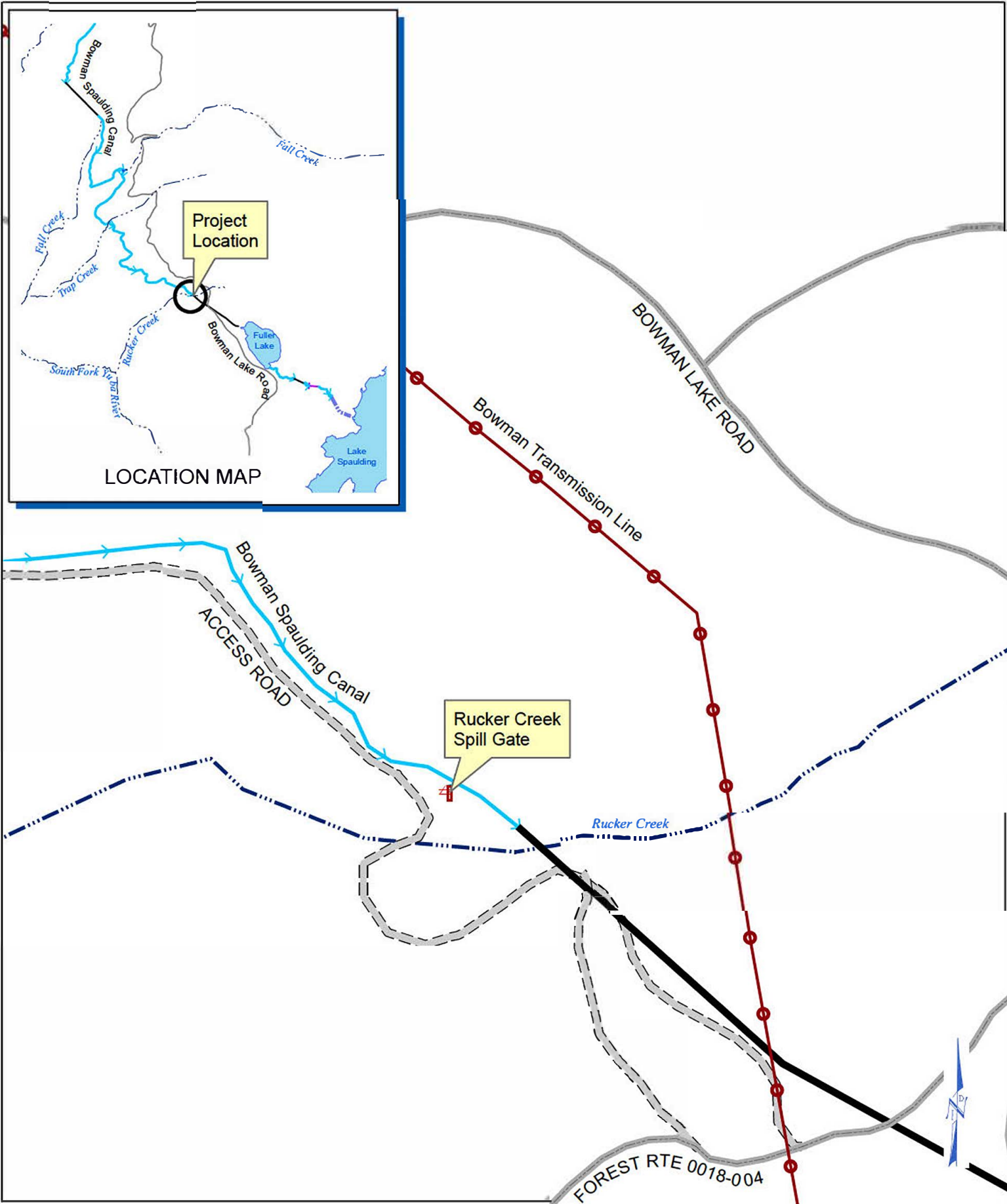
Notes:

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



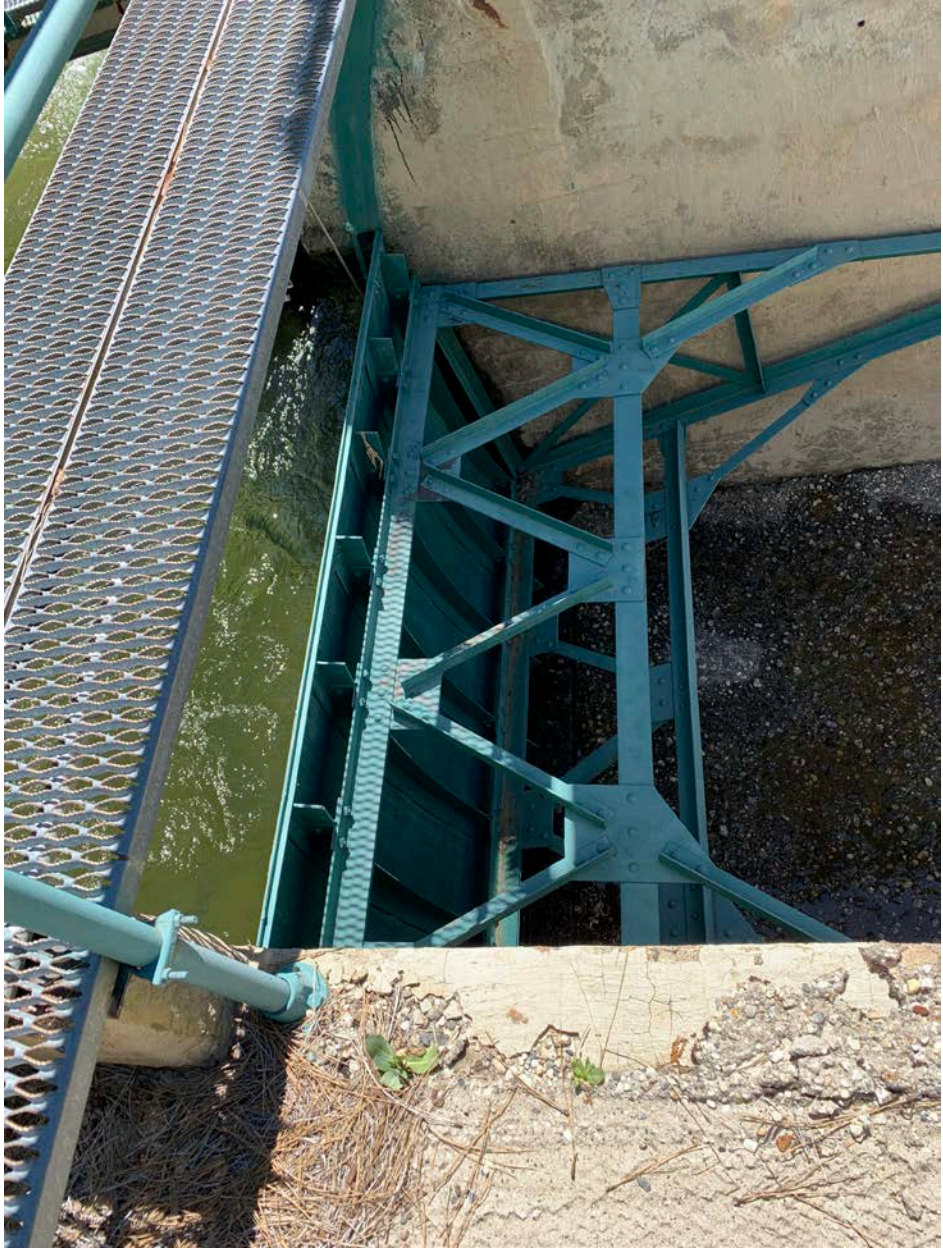
RUCKER CREEK SPILL GATE



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
Total:	\$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
Total:	\$12,300	0	\$150,000	\$1,250,000	\$1,250,000	0	0	\$2,662,300

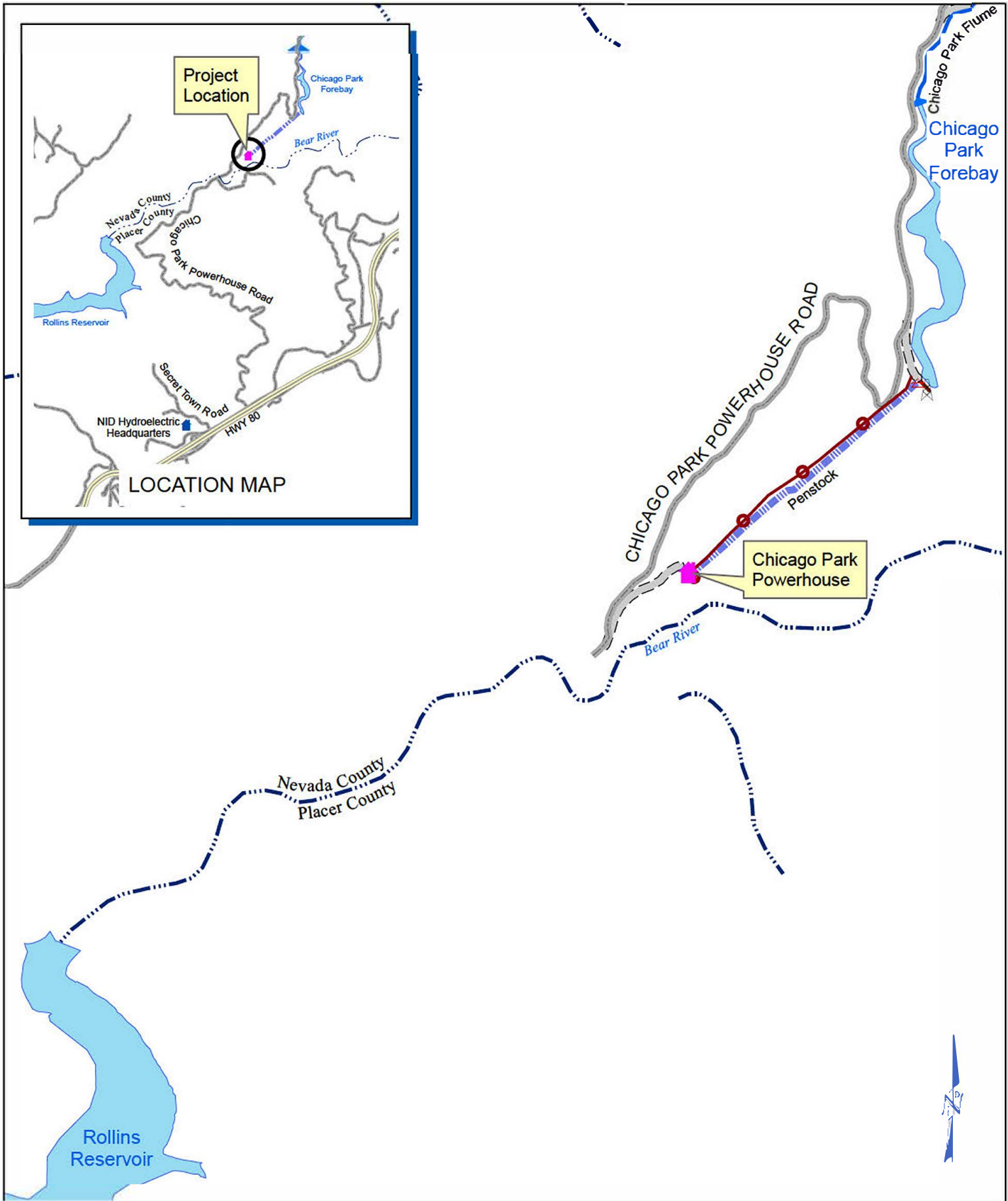
Notes:

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
Total:	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
Total:	0	0	\$100,000	\$150,000	\$150,000	0	0	\$400,000

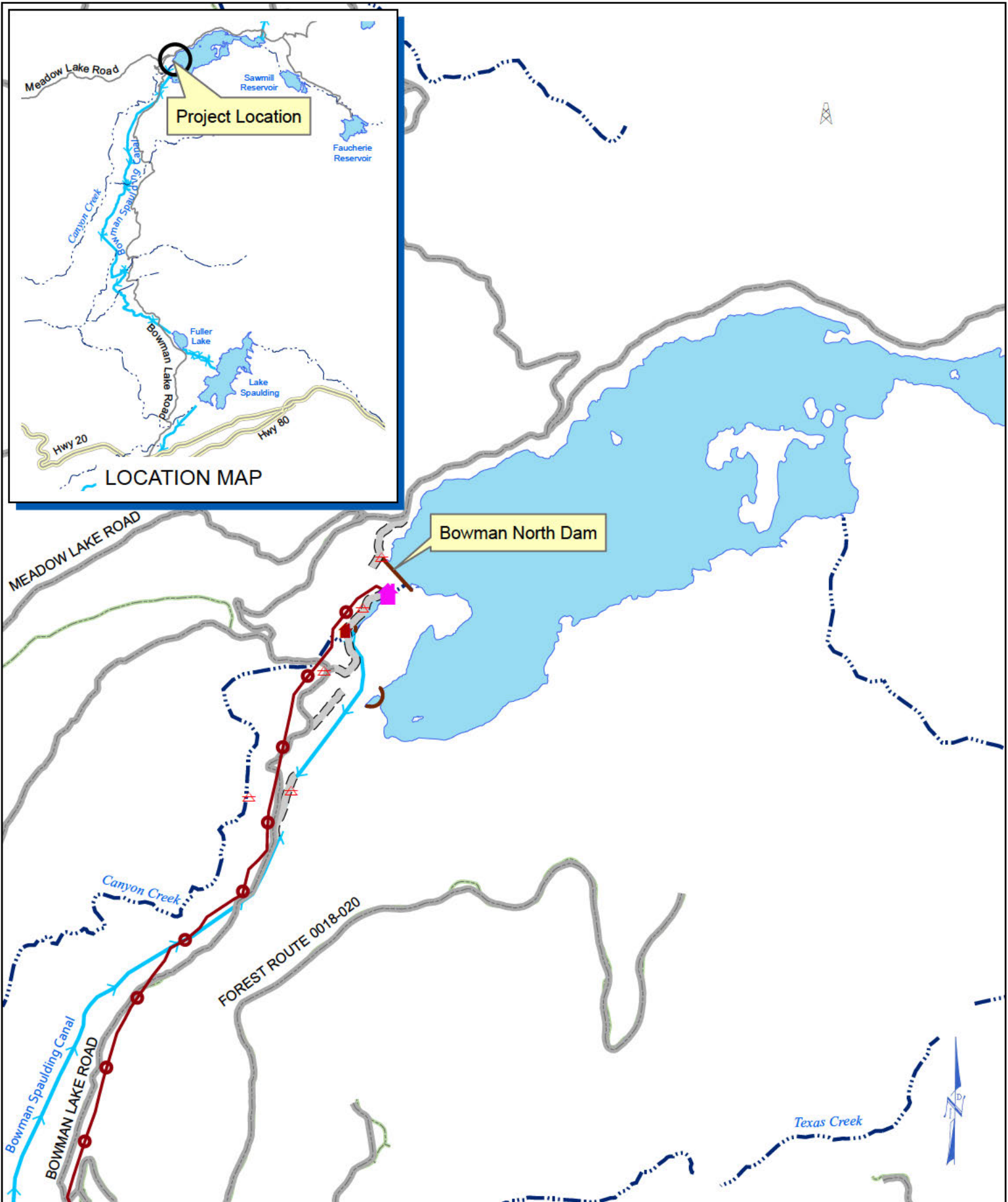
Notes: Required by FERC

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**

 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
Total:	\$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
Total:	\$12,300	0	\$150,000	\$1,500,000	\$750,000	0	0	\$2,400,000

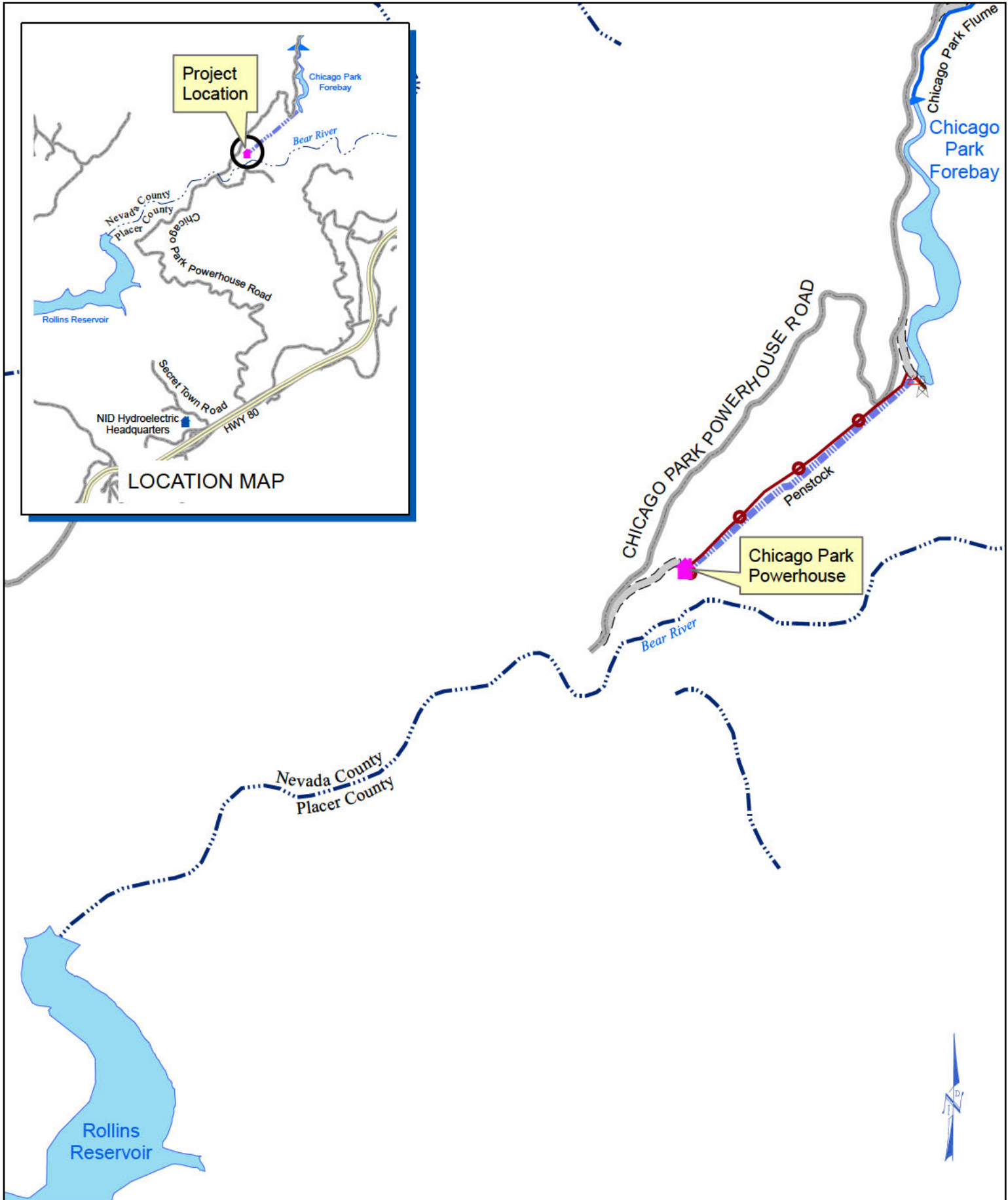
Notes:

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
Total:	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
Total:	0	0	\$150,000	\$8,000,000	0	0	0	\$8,150,000

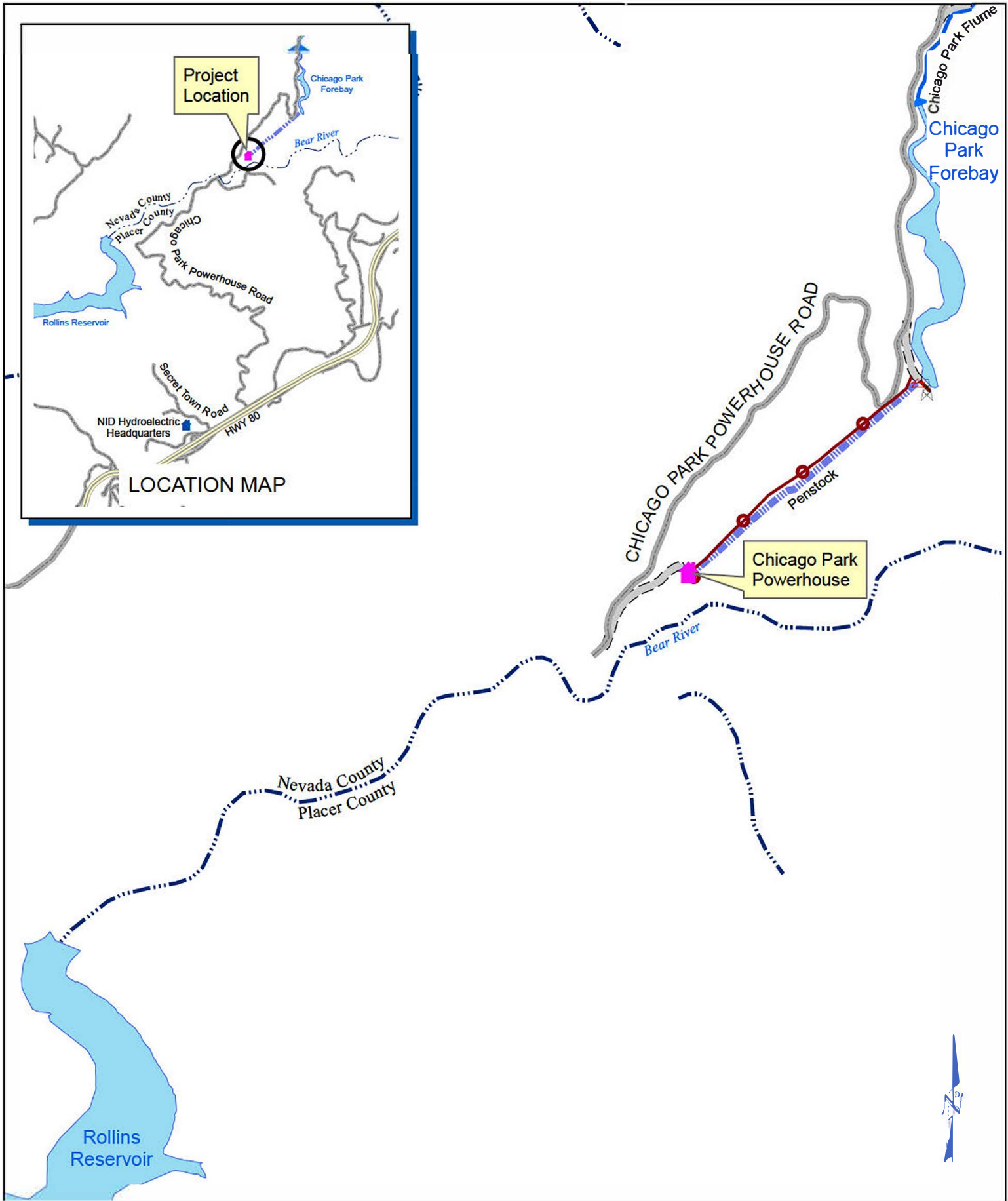
Notes:

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
Total:	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
Total:	0	0	\$150,000	\$400,000	0	0	0	\$550,000

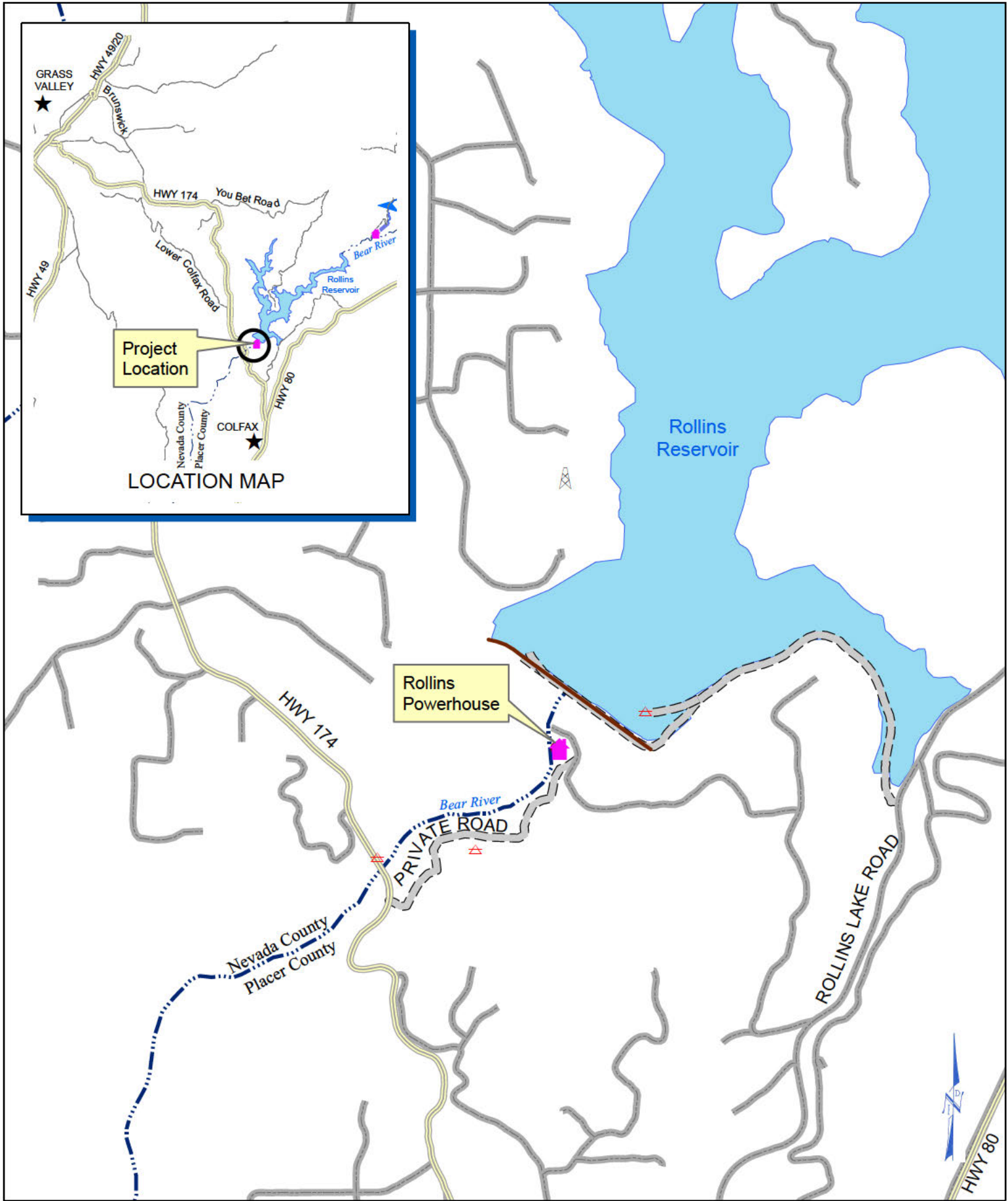
Notes:

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
Total:	\$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
Total:	\$200,000	0	\$250,000	0	0	0	0	\$450,000

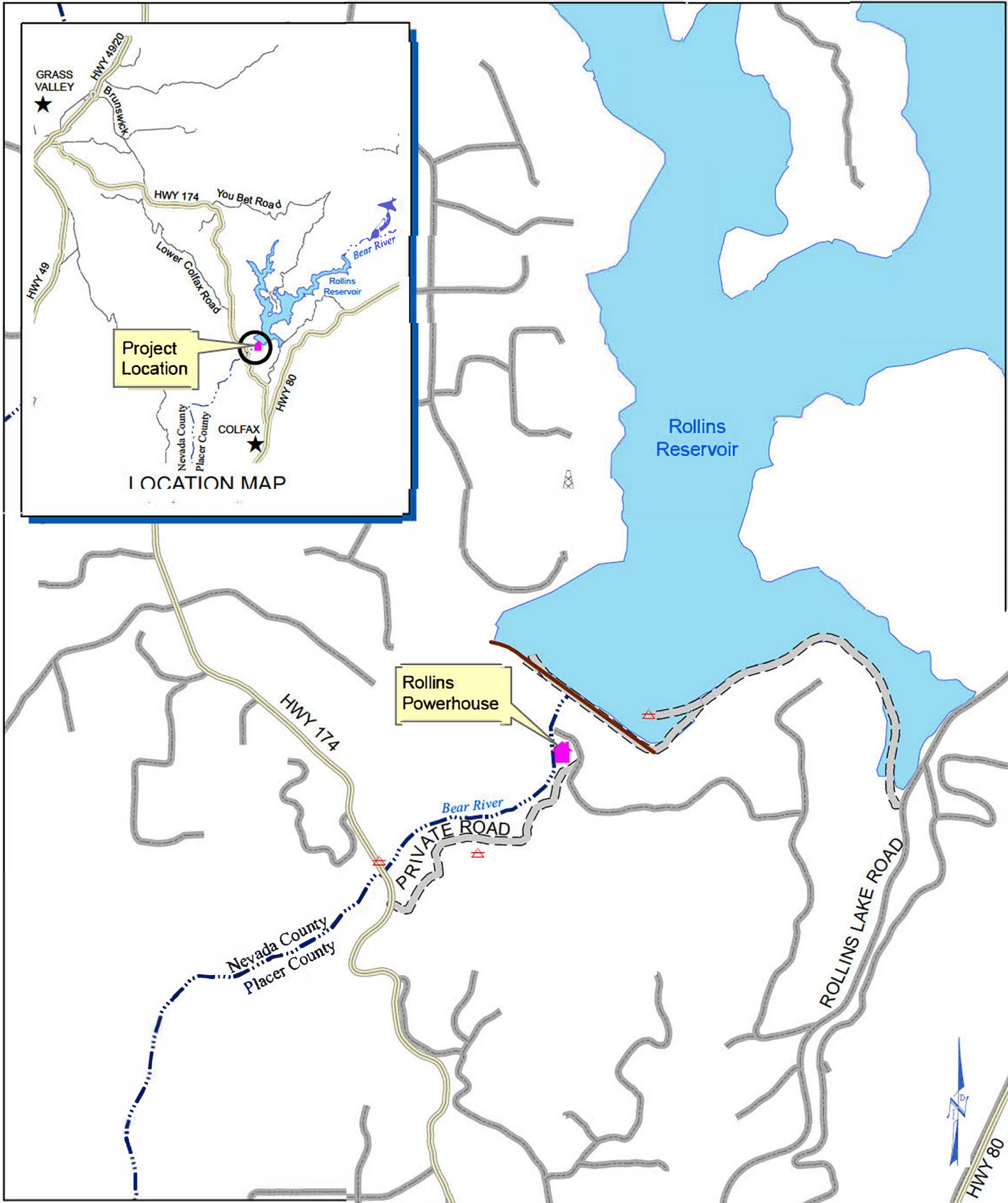
Notes:

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
Total:	\$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
Total:	\$500,000	0	\$150,000	0	0	0	0	\$200,000

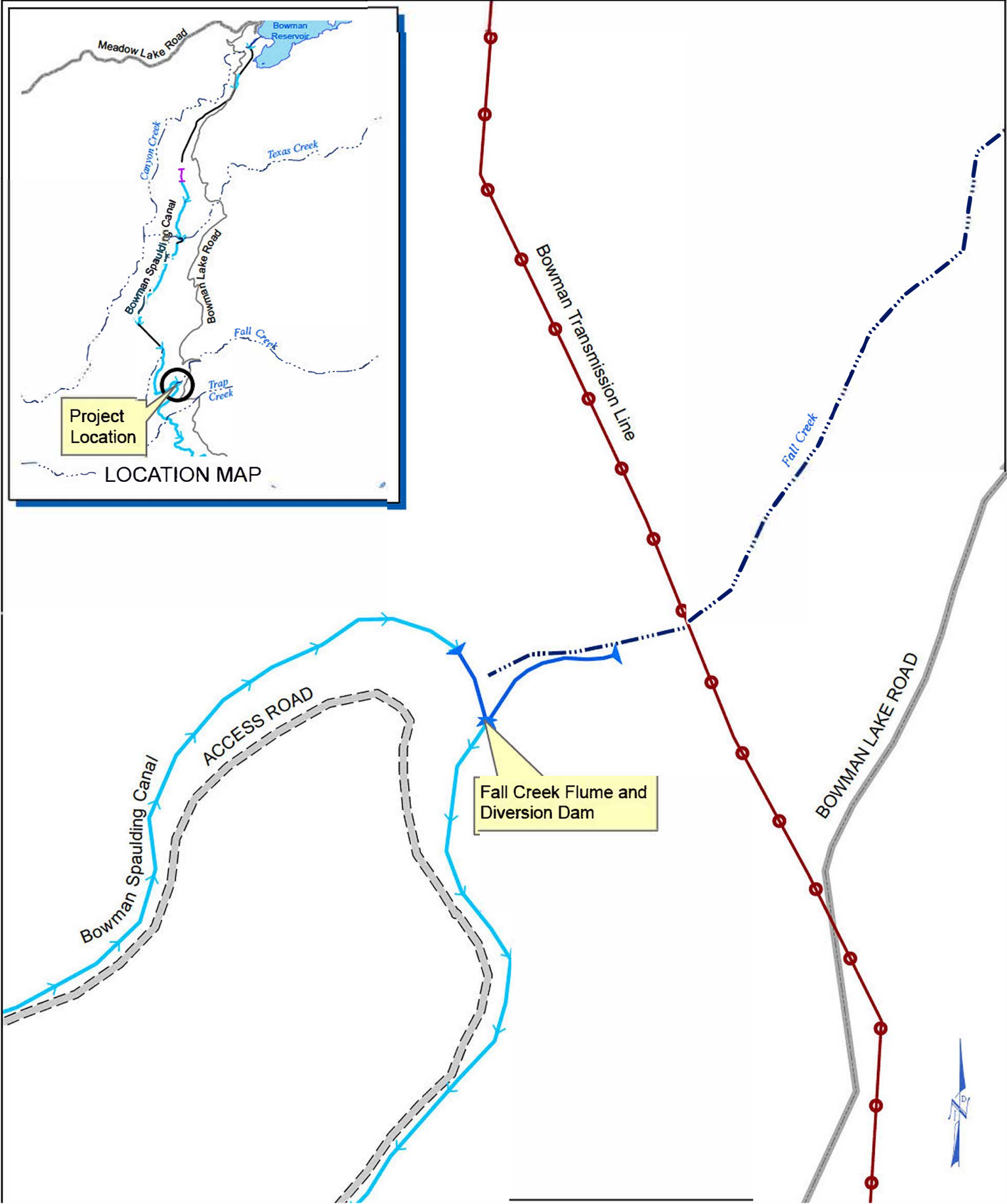
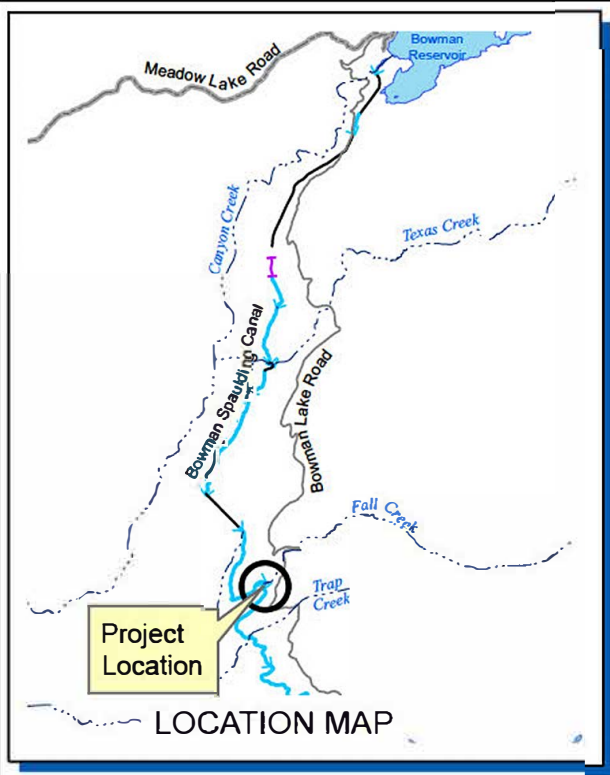
Notes:

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





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
Total:	\$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
Total:	\$57,800	0	\$350,000	\$1,000,000	0	0	0	\$1,410,000

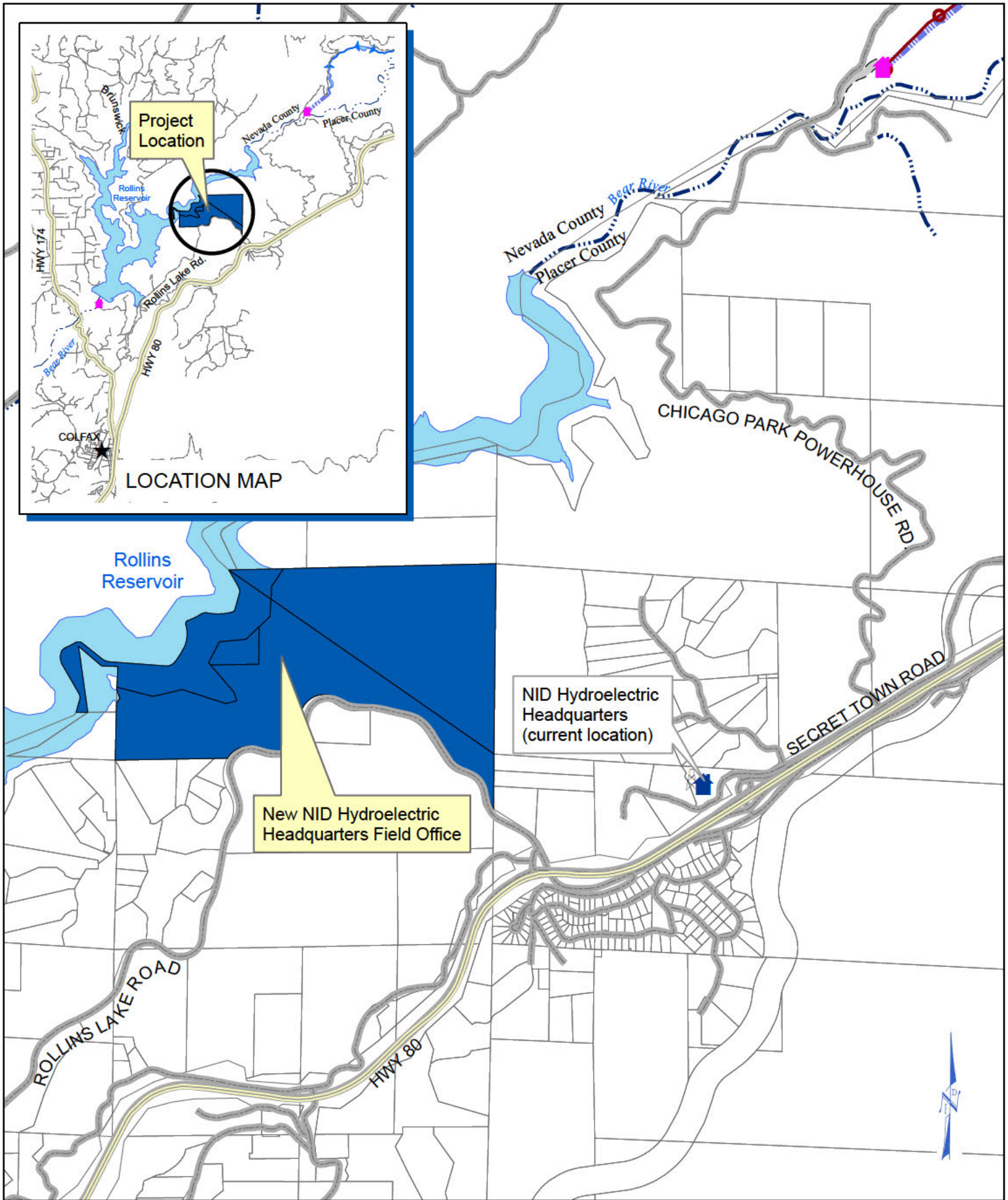
Notes:

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





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
Total:	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
Total:	250,000	0	250,000	0	0	0	0	500,000

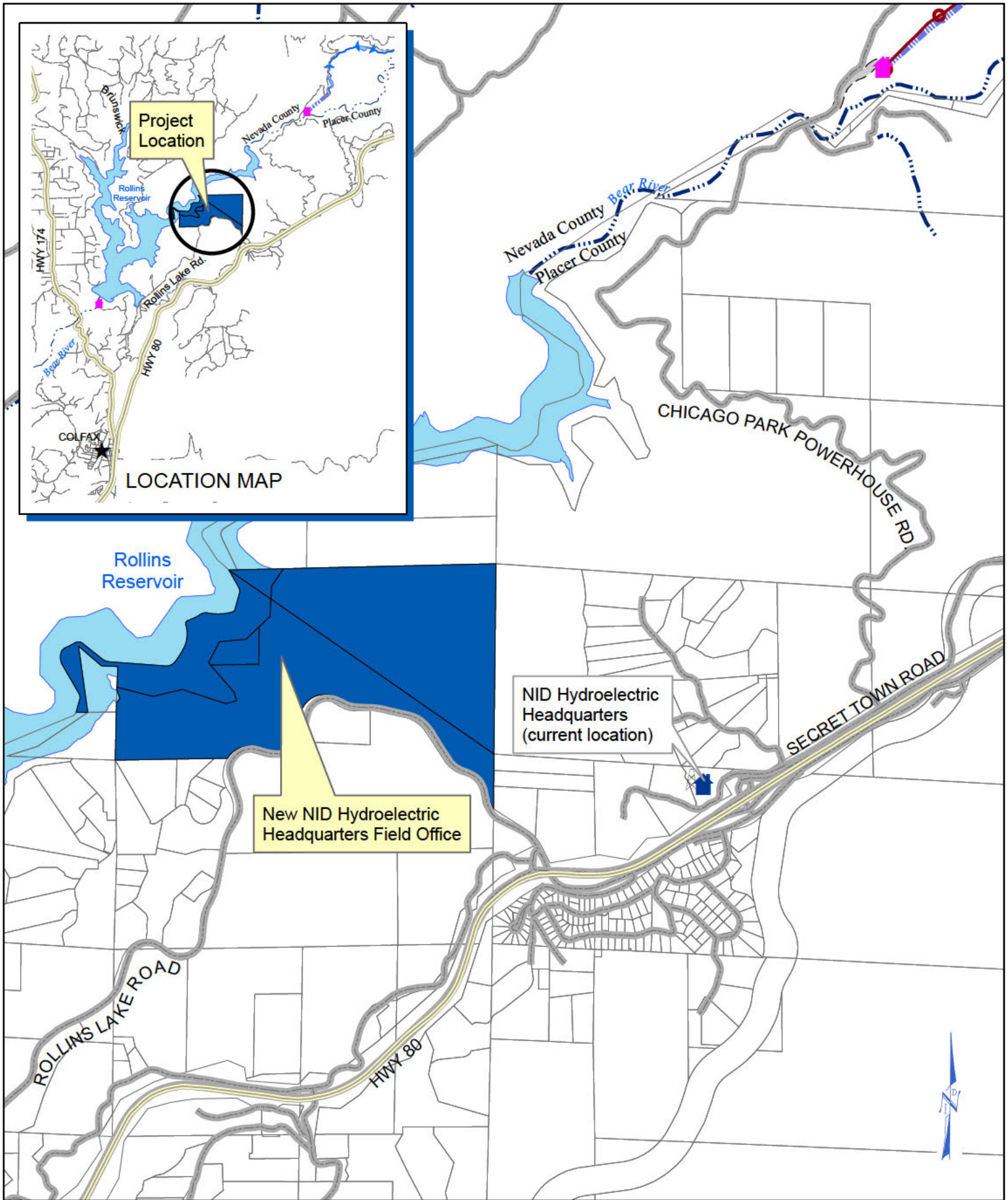
Notes:

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





2022 Annual Budget

Project Name: Dutch Flat #2 Powerhouse Cooling Water Upgrade

Project No.: 2544

Dept. 50112-HYDRO Program: 52920-Powerhouse Improvements

Priority Ranking: 66

Facility: Dutch Flat #2 Powerhouse Facility #: 57200

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 facility efficiency and performance by upgrading the cooling water system at Dutch Flat #2 Powerhouse. Operators are currently unable to collect accurate flow and pressure readings, relying on pump indicators as the only means of verifying the system is online. Being able to collect cooling accurate and real-time water data is necessary to better understand unit function and performance, and can help identify preventative maintenance tasks to prevent failures and unit downtime.

Project Description: (Proposed Solution)

Upgrade the cooling water system at DF2PH with a modern system that can be integrated into the balance of plant programmable logic controller (existing is original, 1960's vintage). Scope includes replacing cooling water piping, replacing analog gauges with new HMI screen, adding new flowmeters and pressure transmitters, etc.

Basis for Priority:

Critical powerhouse system, operability

Project Financial Summary:

Project Estimate:250,000 Total Spent to Date:0 Current Year Budget:75,000

Anticipated Expenses to End of Year:0 Amount Remaining in Current Year Budget: 75,000

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				\$175,000				\$175,000
Right of Way								0
Other:								0
Total:	0	0	\$75,000	\$175,000	0	0	0	\$250,000

Funding Sources

Source	Prior Year Actual	Amendments Carryovers/Encumbrances	2022	2023	2024	2025	2026	TOTAL
50112-52920			\$75,000	\$175,000				\$250,000
								0
								0
Total:	0	0	\$75,000	\$175,000	0	0	0	\$250,000

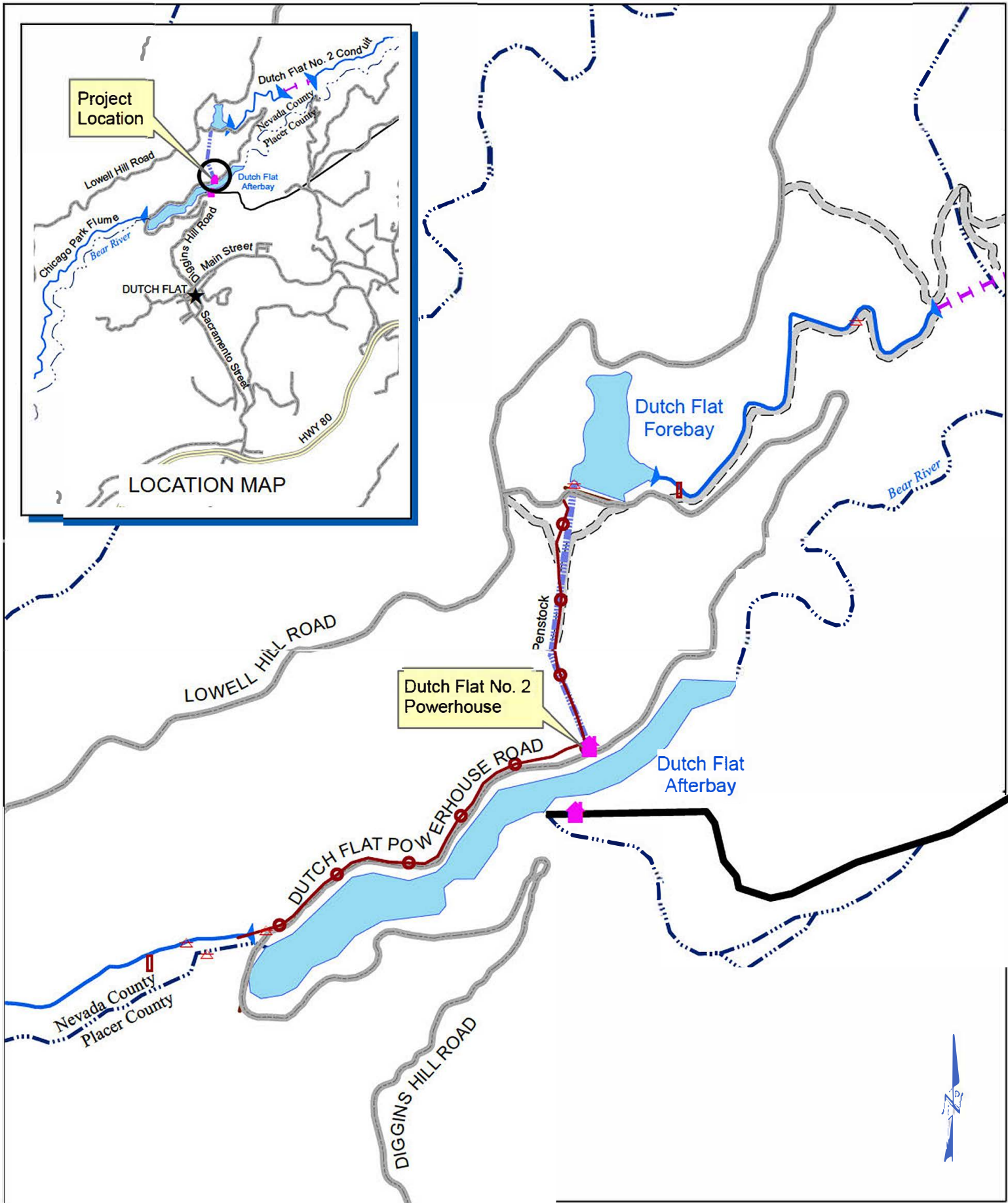
Notes:

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
Total:	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
Total:	0	0	\$100,000	0	0	0	0	\$100,000

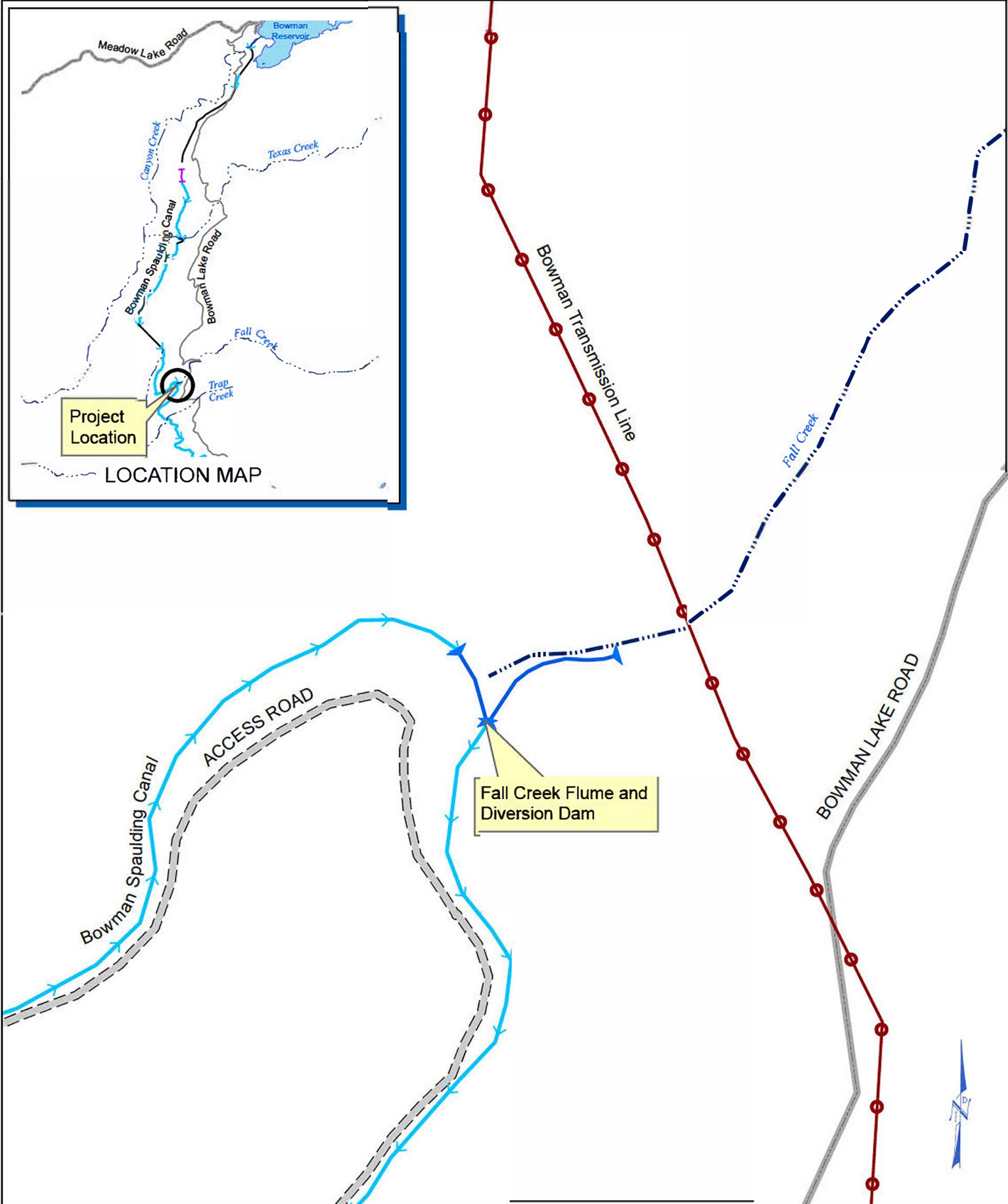
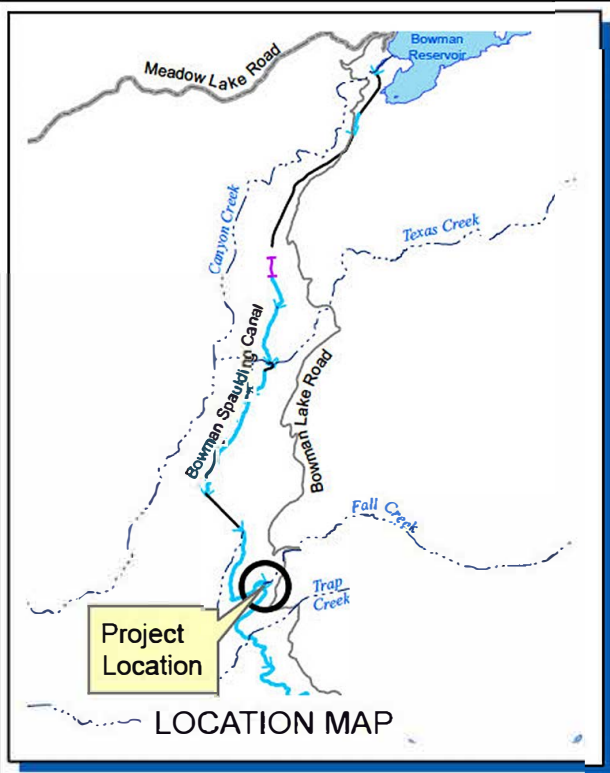
Notes:

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
Total:	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
Total:	0	0	\$75,000	\$250,000	0	0	0	\$325,000

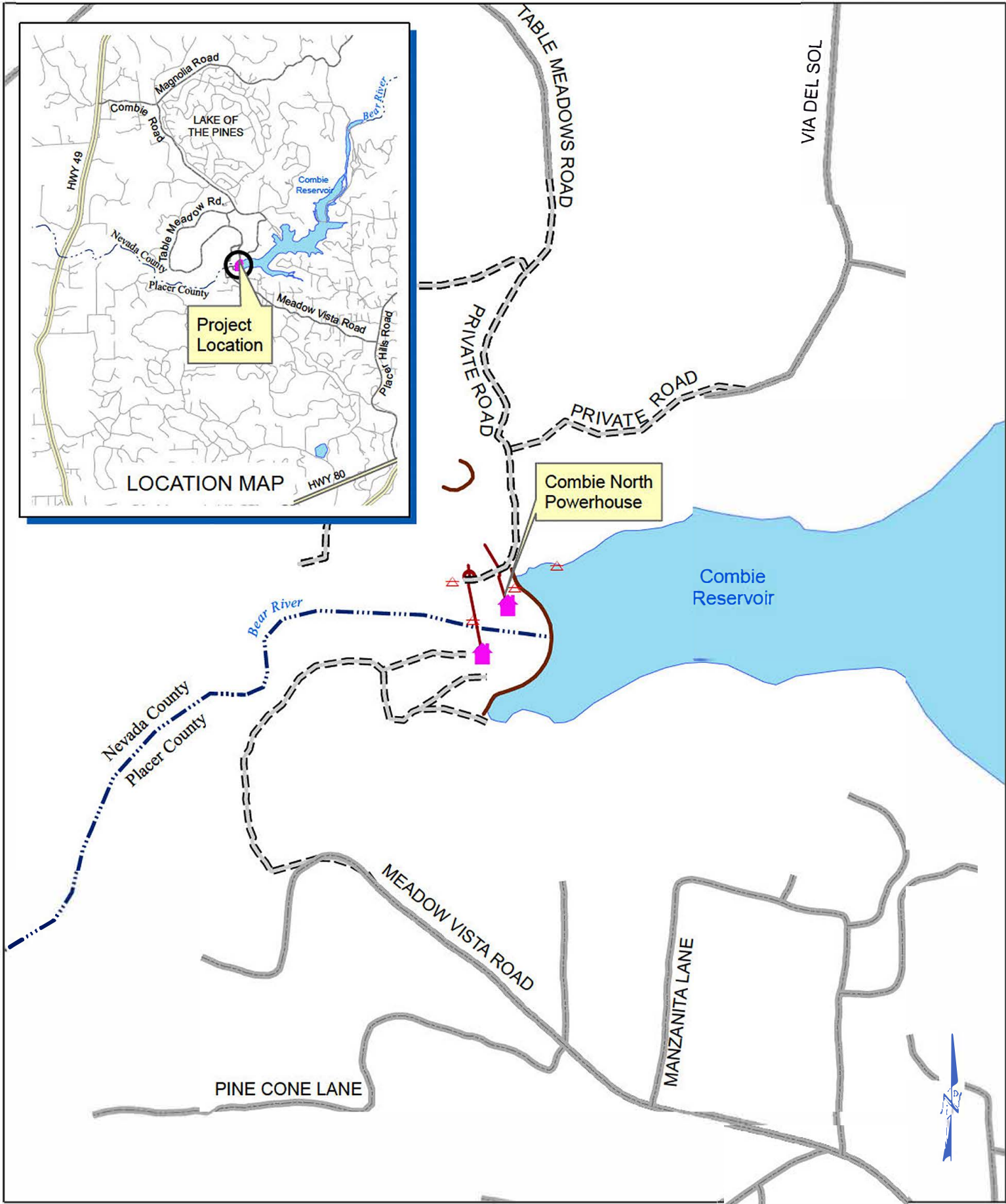
Notes:

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
Total:	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
Total:	0	0	\$75,000	\$450,000	0	0	0	\$525,000

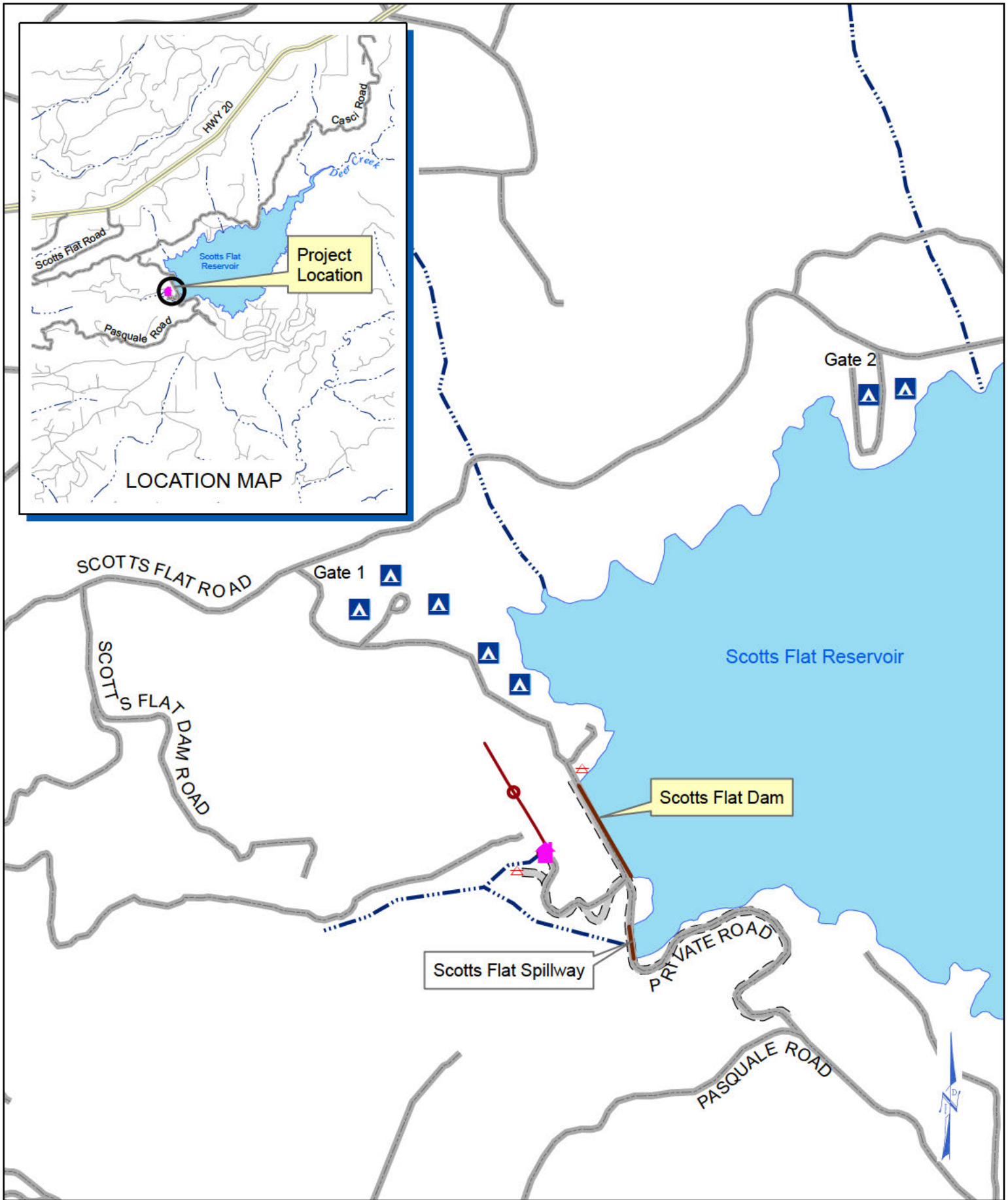
Notes: Required by FERC

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
Total:	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
Total:	0	0	\$100,000	\$400,000	0	0	0	\$500,000

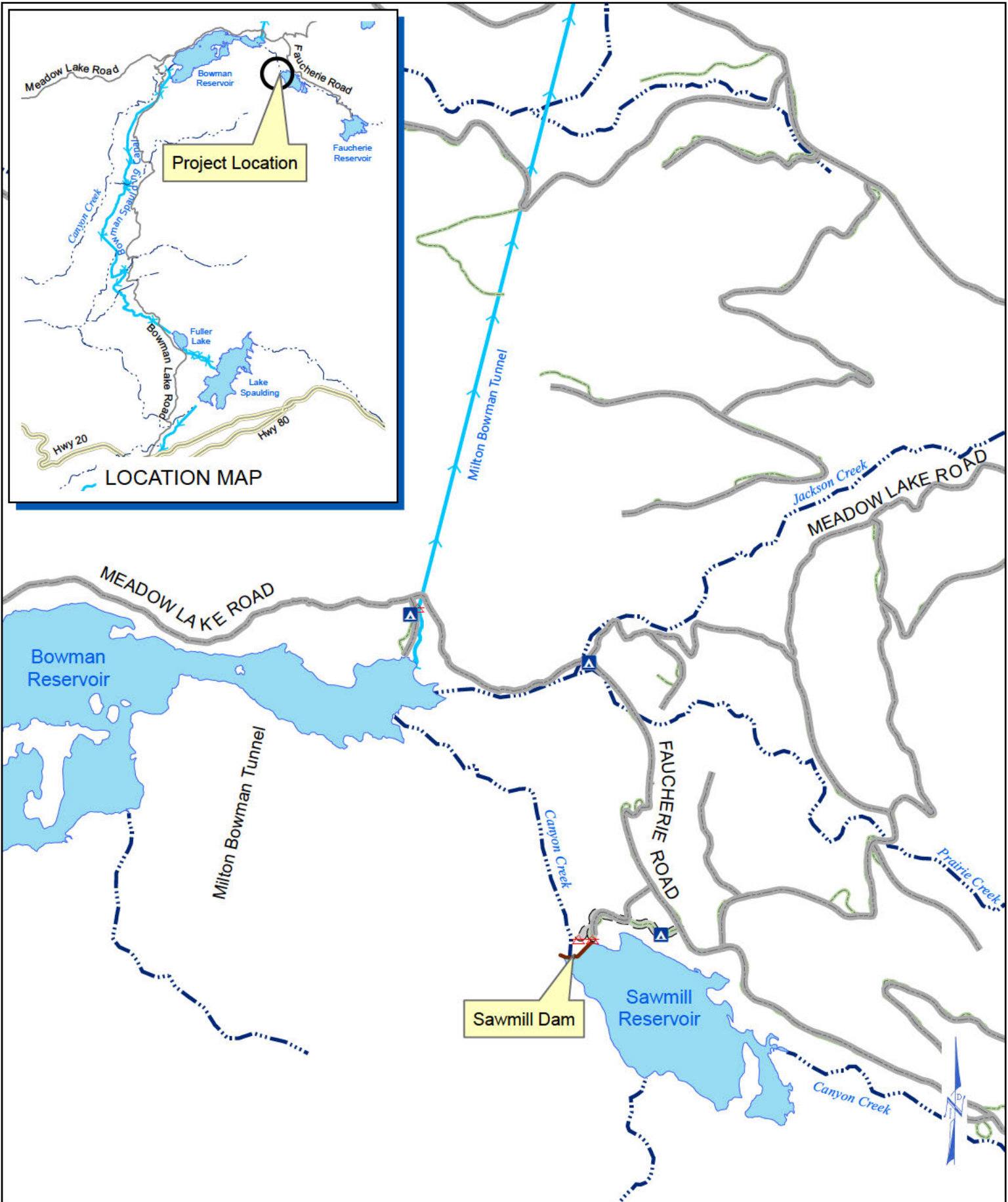
Notes: Required by FERC

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
Total:	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
Total:	0	0	\$20,000	\$100,000	0	0	0	\$120,000

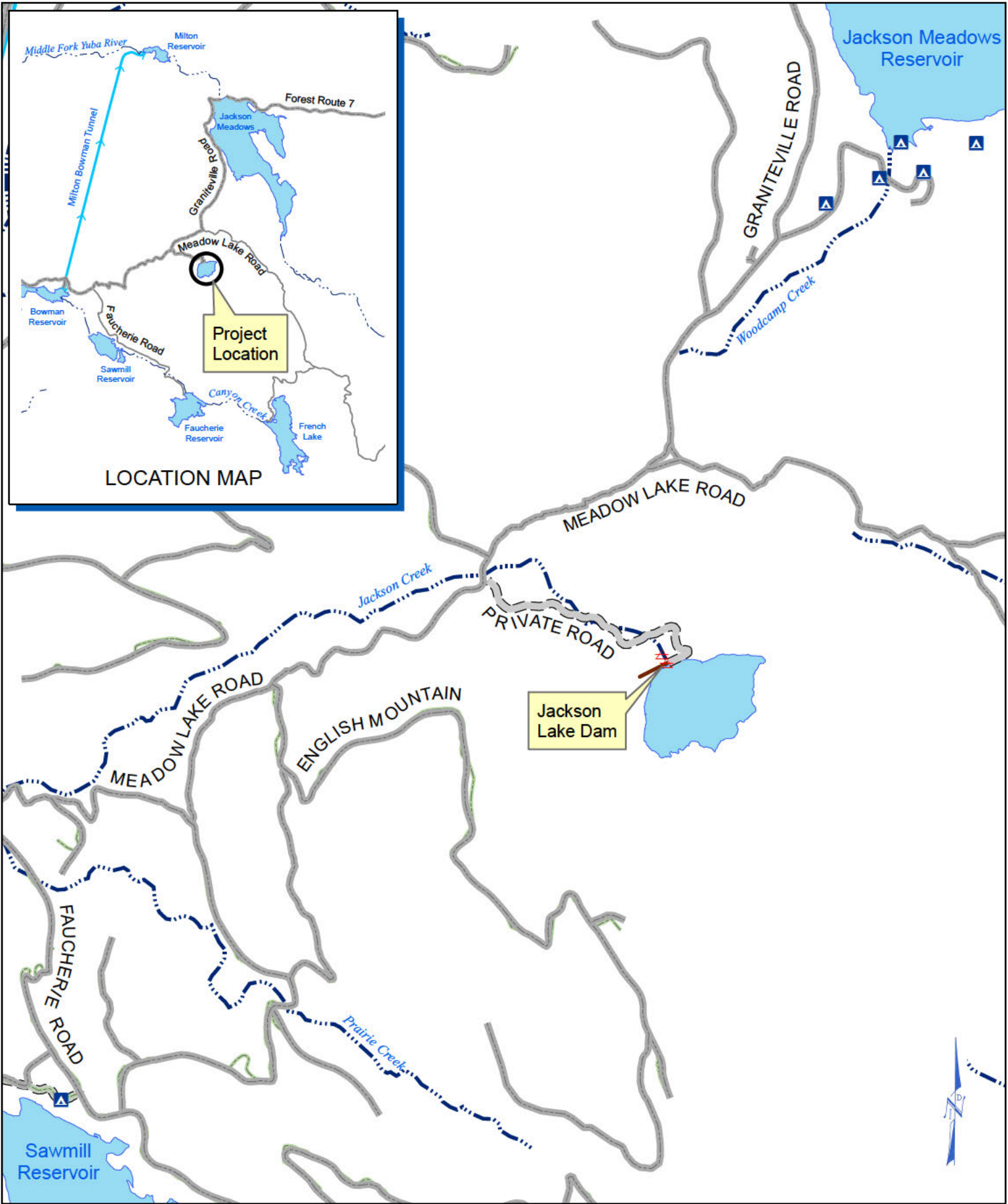
Notes: Required by FERC

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 1 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
Total:	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
Total:	0	0	\$200,000	0	0	0	0	\$200,000

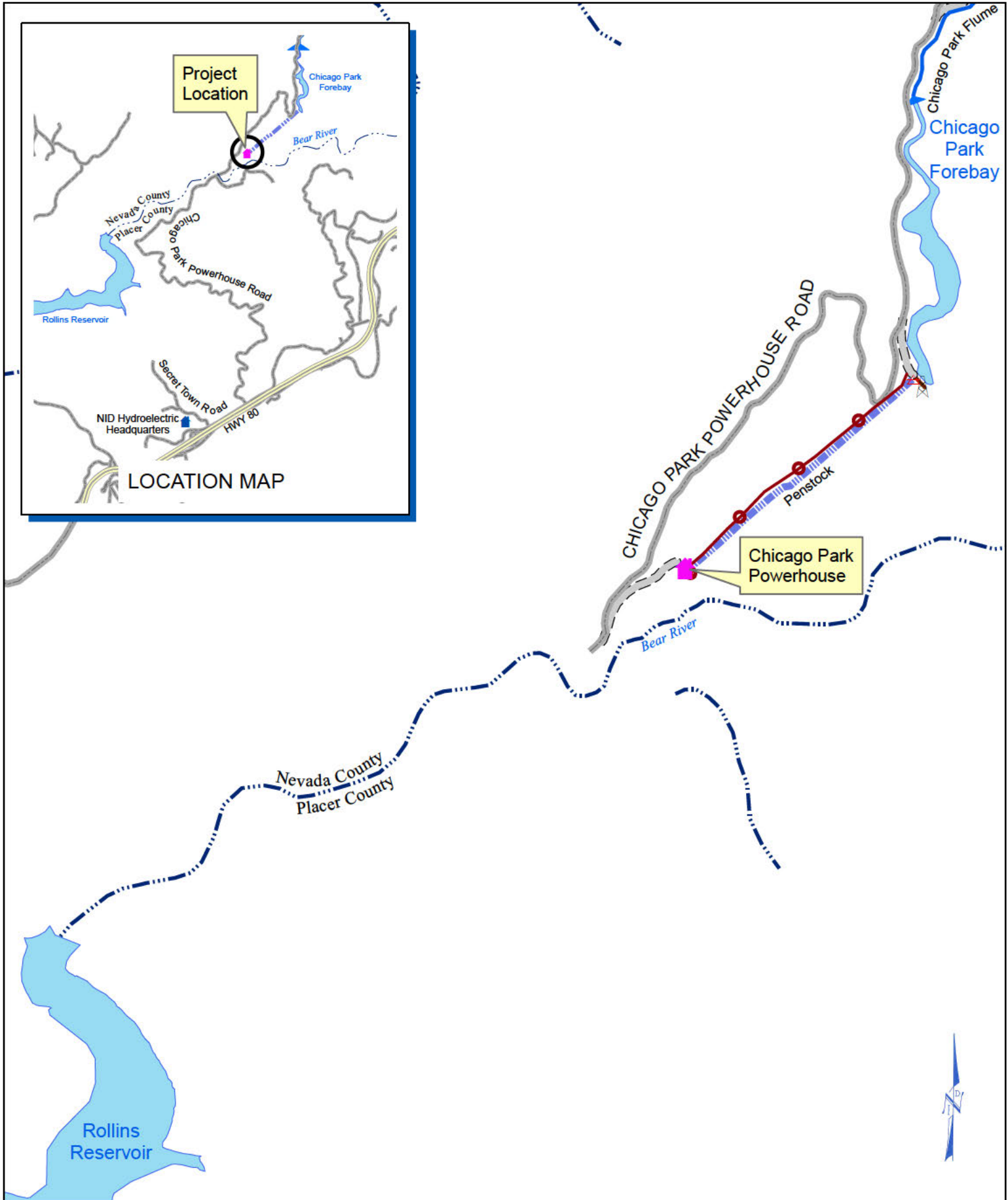
Notes:

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
Total:	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
Total:	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





2022 Annual Budget

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

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

Facility: Bowman-Spaulling 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-Spaulling 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
Total:	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
Total:	0	0	\$400,000	0	0	0	0	\$400,000

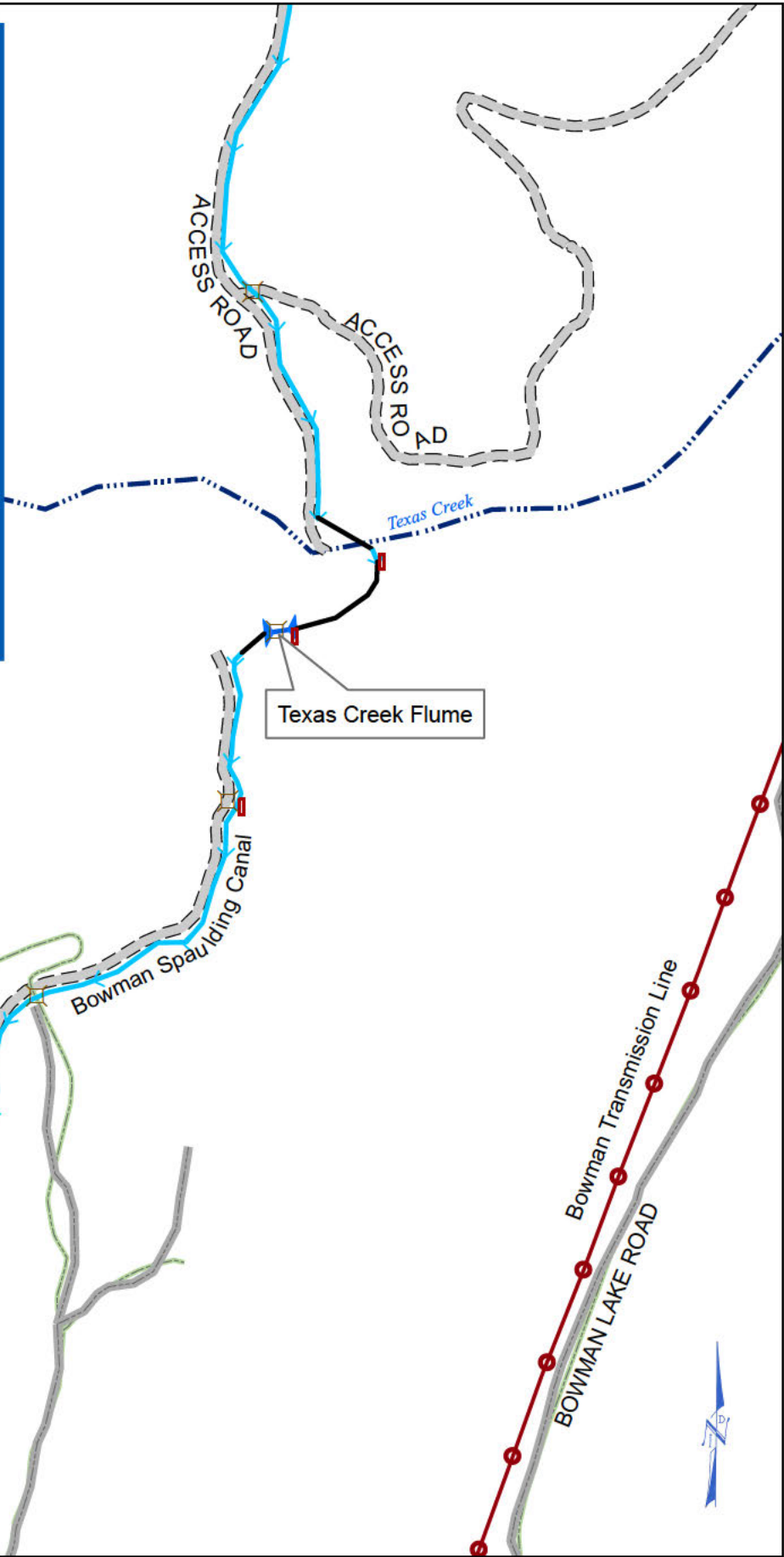
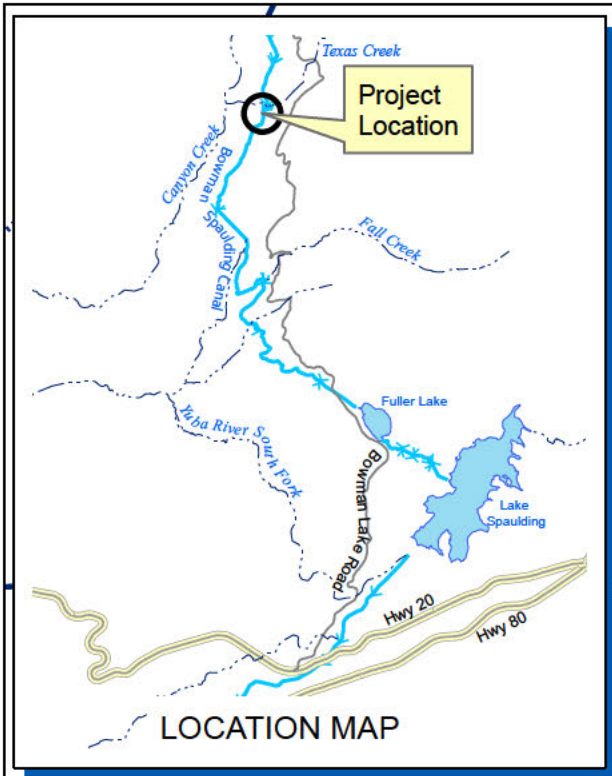
Notes:

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
Total:	\$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
Total:	\$100,000	0	\$200,000	0	0	0	0	\$300,000

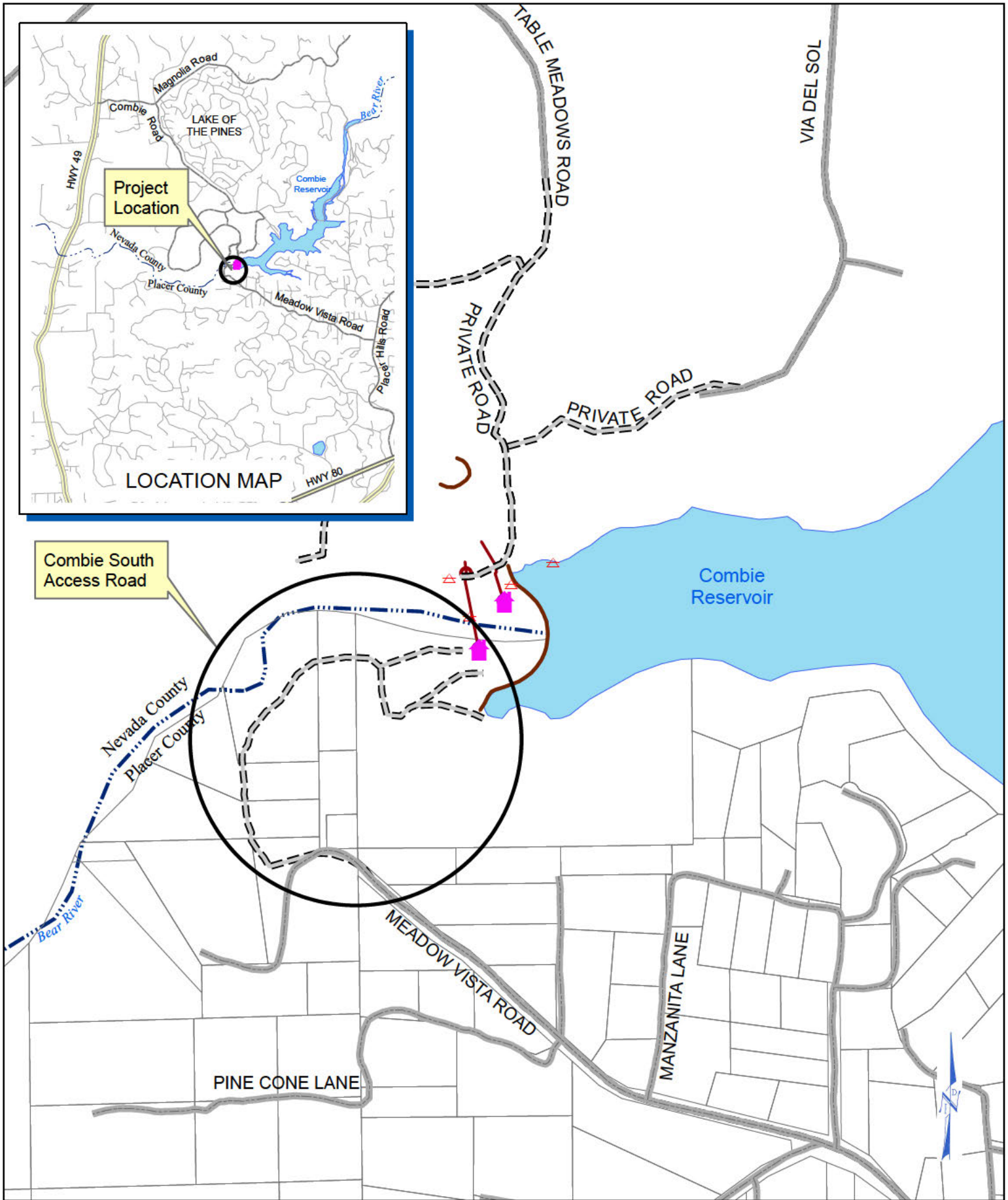
Notes:

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

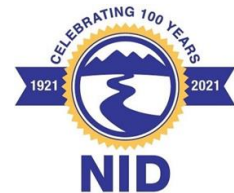
NEVADA IRRIGATION DISTRICT

NEVADA COUNTY – PLACER COUNTY
GRASS VALLEY, CALIFORNIA

Scale: NO SCALE

Sheet: 1 of 1





**NEVADA
IRRIGATION
DISTRICT**

**OPERATING &
CAPITAL
BUDGET
ADOPTION**

**FOR THE FISCAL
YEAR 2022**

**Board of Directors
December 15, 2021**

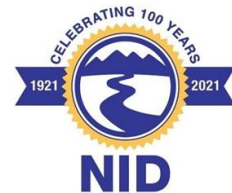


Budget Principles

- 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

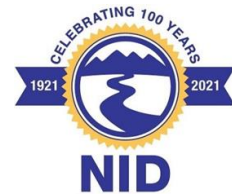
Major Budget Changes

- 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



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
Total	220	205

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	\$29,698,190	\$36,661,224	\$66,359,414	\$32,819,543
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

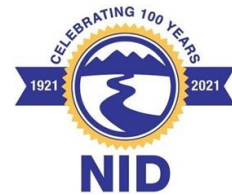
Fund 10 Water Operations

- Reserves
- Includes
 - Cashiering
 - Customer Service
 - Engineering
 - Water Operations
 - Maintenance
 - Vegetation
- OPEB Payment Included

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								
Water Operations	\$50,419,022	\$26,943,315	\$47,620,100	\$1,139,835	\$48,759,935	\$29,698,190	\$36,661,224	\$66,359,414	\$9,368,836	\$32,819,543
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	\$450,000									
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			

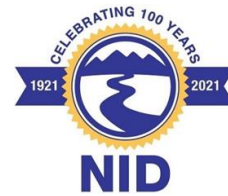
Fund 15 Water CIP

- 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

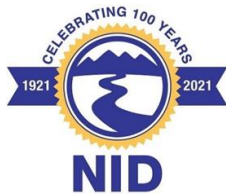


Fund 15 Summary

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									
Water Capital	\$0	\$0	\$0	\$28,858,000	\$6,858,000	\$6,858,000	\$0	\$6,858,000	\$0	\$22,000,000	
CIP	\$0			\$22,000,000							\$22,000,000
Annual CIP	\$0			\$6,858,000							Transfer In to Fund Capital

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

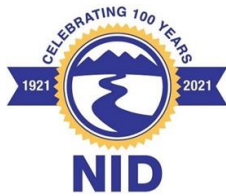
Fund 12 Capacity Fees										
Fund	Name	Reserved Amount	Beginning Balance	Revenue	Transfer In	Total Inflows	Expenditures	Transfer Out	Total Outflows	Projected FYE Balance
			1-Jan-22							
12	Capacity Fees*	NA	\$9,450,000	\$1,500,000	\$0	\$1,500,000	\$103,000	\$0	\$103,000	\$10,847,000
*subaccount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

Fund 30 and 35 Recreation

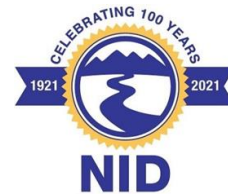
- Running Deficit
- Does not include funds for USFS
- Reserves not fully funded
- CIP and Operational Subsidy from Hydro

Recreation Reserve Requirements

Policy 3040



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

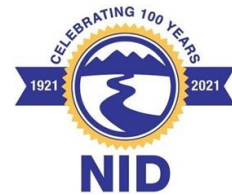


Fund 30 and 35 Summary

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								
Recreation Operations	\$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									
Recreation Accrued Absences	\$25,000									
Recreation Capital	\$0	\$0	\$0	\$650,000	\$650,000	\$150,000	\$0	\$150,000	\$650,000	\$500,000
Recreation Capital Reserve				\$500,000						
Transfer In from Fund 50 CIP				\$150,000						

Fund 50 Hydroelectric Operations

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

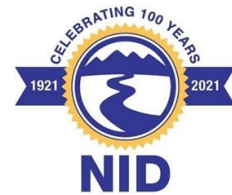


Fund 50 Reserves

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 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 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

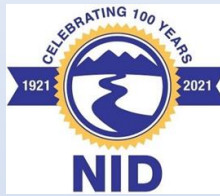
Fund 70 Summary

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
Total	12,192,537.00

Recommendations

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



Thank You and Questions