

Staff Report

for the Regular Meeting of the Board of Directors for October 23, 2019

TO: Board of Directors

FROM: Remleh Scherzinger, MBA, SDA, PE, General Manager
Marvin Davis, MBA, CPA, Finance Manager/Treasurer

DATE: October 16, 2019

SUBJECT: 2020 Operating & Non-Operating Budget, Forecasts

FINANCE

RECOMMENDATION:

Review and approve the 2020 Budgets, Water Fund Historical Results, Short and Long-term Cash Forecasts.

BACKGROUND:

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, detailed labor and non-labor department estimate, summary creation, and review of short and long-term cash forecast in as many iterations necessary for Administrative Practices Committee and Board analysis. The adopted budget is consistent with the Board adopted rate study, and upon approval, the Board adopts projected revenues, expenditures, and cash reserve impacts.

The Executive Summary page for this year's Budget provides an overview of the document while highlighting significant components. Similar to other water providers, the District faces climate changes as well as legislative and regulatory challenges. However, financial and operating efficiencies continue to be improved.

The Budget Development page outlines key assumptions used to establish the District's revenue, expenditure, reserve, and ending cash levels. The plan

presents a cash flow projection rather than a full accrual estimate, thus excluding depreciation, amortization, and certain unrealized gains and losses.

Reporting Structure:

The District segregates transactions by Accounting Entities (Water Fund 10, Recreation Fund 30, Hydroelectric Fund 50 and Fiduciary Funds 11, 20, 21, 22, 80) with the Water Fund further segregating operating and non-operating transactions. Operating revenues sustain operations, whereas non-operating revenues primarily cover capital expenditures.

The Accounting Funds, except Fiduciary report expenditures at the Fund, Department, and Object (account) code levels while sharing a Uniform Chart of Accounts (UCOA) and project list. In addition, the District can report expenditures for Facilities and Financial Activity Tracking Report (FATR) numbers, but these totals are not budgetary items. Control for a specific Facility, FATR, Warrant, etc. is within one or more department and account line items. Monthly reporting on these types of expenditures are significant, as it provides the Board with an understanding of the level of activity occurring within the District.

Fiscal Control:

Fiscal year management of revenues, expenses, reserves, and cash flows occurs within the quarterly budget vs. actual report. The significance of a UCOA, accurate and timely transaction reporting, encumbrance accounting and proper fund segregation reaches fruition in the executive summary of this report. Staff monitors revenues, expenses, encumbrances and cash flows on a monthly basis looking for budget anomalies. The executive summary informs the Board on the District's financial position, including impacts to reserves.

Procurement policy 3080 and budget amendment policy 3100 control procurement methods and designate individual spending levels. Oversight of the adopted budget and subsequent amendment procurements occur through Policy 3080.6 at various expenditure levels requiring more scrutiny for higher dollar purchases.

Fiscal Plan:

Demand for water continues to increase as 2019 projected sales are \$1.8 million (8.2%) higher than in 2018. Considering the Board adopted a 5.72% rate increase for fiscal year 2019, actual sales related to usage increased by about 2.5%. The 2019 Water Costs of Service (COS) Study recommended a water rate increase higher than what the Board adopted. As a result of the Board adoption, the District will realize roughly \$5.4 million less in revenues over 2019 and 2020. Subsequently, water operations require a significant usage of the Hydroelectric Funds' reserves (\$13.6 million). Currently, the District is in the process of

completing a 2020 Water COS Study, which is being delivered to the Board in the first quarter of 2020.

Based on the proposed rate increase, the proposed 2020 Budget will require a \$9.3 million reduction in reserves. Considering the addition of the Deer Creek Facilities and 2019 Budget amendments, the District anticipates a decrease in reserve contributions of approximately \$4.4 million from the prior year's budget.

The Water Fund's fiscal plan projects a negative net operating income of \$866,168 and a positive non-operating income of \$1 million. The Fund must staff 2 additional Full-Time Equivalents (FTEs) associated with the Deer Creek Facilities. Excluding transfer outs, staff is presenting a recommended budget that is \$2.4 million less in operating expenses from the initial Committee proposed budgets.

	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>Committee 2020 Bud</u>	<u>Proposed 2020 Bud</u>	<u>% Change 19 vs 20</u>	<u>\$ Change Budget</u>
Salaries	17,637,297	17,021,561	19,131,472	19,111,472	12.3%	(20,000)
Benefits	12,295,877	13,507,675	15,515,836	15,515,836	14.9%	-
Other O&M	9,987,587	11,000,404	12,389,373	11,389,187	3.5%	(1,000,186)
Consult, Legal, Temp	6,916,399	7,746,833	7,331,754	6,070,150	-21.6%	(1,261,604)
Debt Service	4,190,368	4,190,368	4,190,368	4,190,368	0.0%	-
Fed/St/Co Fees	1,630,715	1,612,215	1,675,068	1,632,068	1.2%	(43,000)
Fixed Assets	2,369,770	2,105,719	2,521,289	2,406,289	14.3%	(115,000)
Total	55,028,013	57,184,775	62,755,160	60,315,370	5.5%	(2,439,790)

Primary reductions include the following:

- Salaries \$20,000
- Materials, equipment, small tools, supplies \$498,546
- Water purchases \$200,000
- Disadvantaged customers \$140,000
- Water maintenance & operations projects \$ 95,000
- Hydroelectric - FERC/General consulting \$365,000
- Maintenance – Meters, vegetation consulting \$461,582
- Operations & Engineering consulting \$90,000
- Management – Planning, General consulting \$242,022
- Fed/St/Co Fees \$43,000
- Fixed Assets \$115,000

The maintenance department removed \$356,582 of its meter replacements out of the 2020 annual operating budget because a 2019 capital project replacement program was determined to be more efficient. After this lump sum capital project budget is exhausted, these costs will return to the operating budget. The

maintenance department vegetation operation is not performing \$100,000 worth of alternative solutions: Rubber Tired, Copper Treatment, Keri Rinne consulting

The Recreation Fund's fiscal plan projects a positive net income of \$121,602, anticipating a 5% fee increase. The Fund continues to receive a \$315,000 subsidy from Hydroelectric for capital projects.

The Hydroelectric Fund's fiscal plan projects a negative net income of \$9.6 million as it continues to subsidize the Water Fund's operations. Ostensibly, subsidies of this magnitude are having a negative impact on hydroelectric operations by continuing to use reserves that are necessary for long-term Hydroelectric, capital projects. In addition, the Hydroelectric Fund is staffing 3 additional FTEs associated with the Deer Creek Facilities, which is anticipated to be an NID facility in 2020.

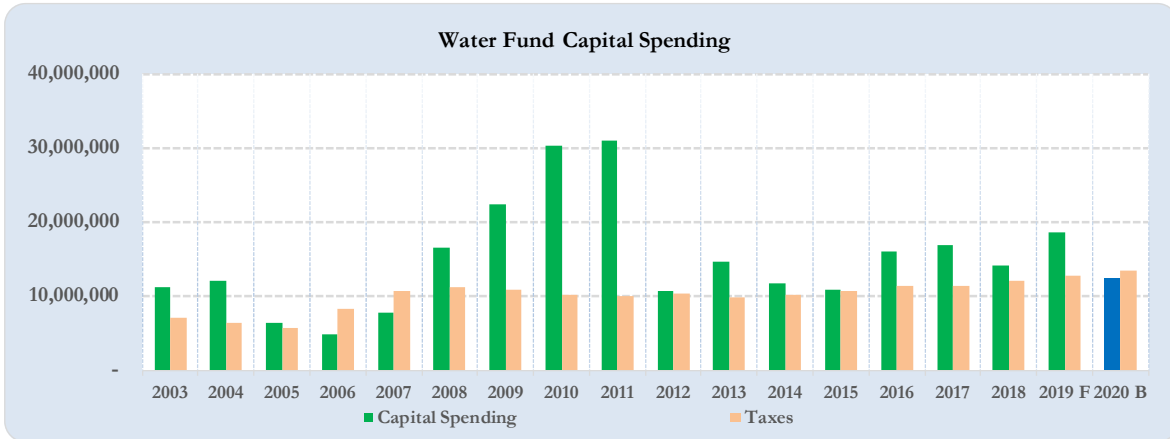
Modifications:

Structurally, the District is moving over \$2 million in maintenance and operations projects into the Operating Fund, as these Maintenance activities should be supported by rate revenues. The District established the Safety Department – 10119, to further segregate the Management Department and improve control and visibility of these expenses. The District established more capital programs in the Hydroelectric, Water and Maintenance Departments to improve capital project reporting. Please see the Expense Account Help Guide for specifics.

Capital Projects:

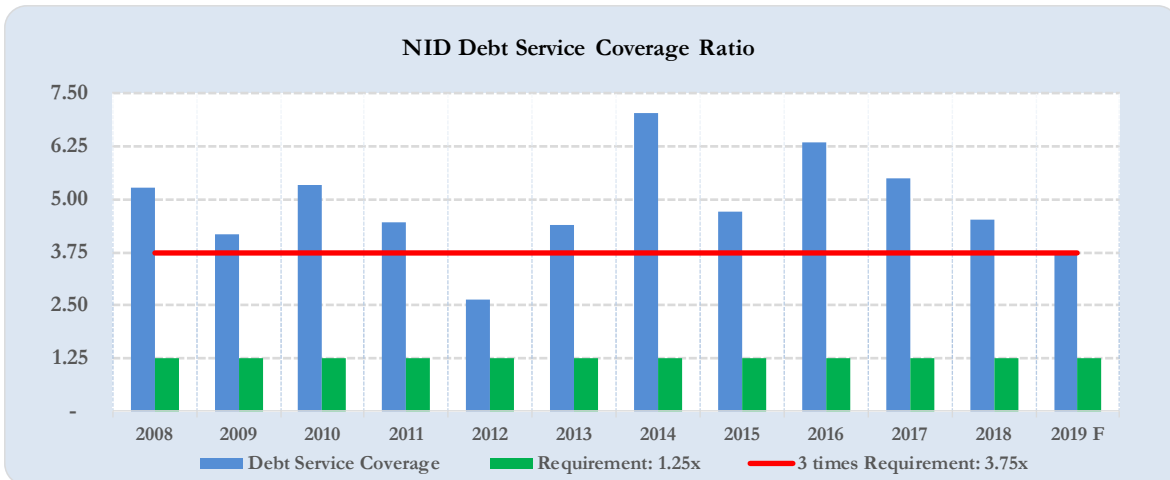
The Water Fund's capital budget is \$12.4 million and supports a million-dollar addition to the Capital Replacement Reserve (Policy 3040.4.4). Staff has structured the 5-Year Capital Improvement Plan (CIP) to allow annual increases in the reserve striving to reach the policy's \$22 million minimum (see 5-Year forecast). The new capital projects schedule includes a priority column indicating the workflow staff intends to follow. Capital accounts begin with the word Project or Program. If the account begins with the word Project, then each individual project has a budgeted amount. Otherwise, the capital account begins with the word Program, and the associated capital projects are budgeted within that program. Including budgeted amounts, the District will accomplish approximately \$270 million in capital projects through its' Water Fund from FY 2003 – 2020. It is important to note that historical financing of the Fund's capital projects is not from rate revenues. Funding for these projects is as follows:

FY 2003 - 2019		
Project Funding	\$ Amount	% Funded
Tax Receipts	182,467,306	68%
Bonds	70,588,407	26%
Capacity Fees	13,461,567	5%
Reserves	3,230,593	1%
Total Funded	269,747,873	100%



Debt Service Coverage (DSC) Ratio:

The District’s bond covenants require a debt service coverage ratio of 1.25 times. The ratio indicates how many times Budgets can cover total District debt apart from reserves. The proposed 2020 Budget presents a coverage ratio of 2.68 times, which is 1.43 times greater than the requirement. The ratio is significant as weaker ratios may have a negative impact upon the District’s bond rating and subsequent borrowing cost. Throughout the period of 2008 through 2018, the District’s audited DSC ratio ranged from a low of 2.63 and a high of 7.03. Staff estimates the fiscal year 2019 at 3.74, approximately three times (3.75) this requirement.



Bond Ratings:

When an organization raises money by issuing debt in the financial markets, the offerings' official statement (OS) contains a bond rating or credit score against that debt. The organization solicits a national rating agency (Fitch, Standard & Poor's or Moody's) to rate their debt. Rating agencies rely on a number of factors to determine the rating or score assigned to an organization's debt. Once outstanding, Fitch certifies the District's debt every two years and Standard & Poor's every three. Subsequent ratings, whether up or down, impact the value of the outstanding debt in the market place. Fitch uses a series of questions, along with interviews from senior management and Board Policy, to form an opinion regarding the District's historical and future financial stability. The District's historical and forecasted unrestricted reserves, DSC, and Days Cash on Hand (DCOH) are key metrics rating agencies use to support their opinion.

The District's most recent rating on its 2011A series bonds issued by Fitch is AA- with a stable outlook. The forecast provided to Fitch lists all available revenues to service the debt less expenses necessary to operate the system. Capital project spending is excluded as many of these expenses can be delayed, and the system will continue to produce. The Water and Hydroelectric Fund is aggregated because all these cash flows are available to service debt. The following chart list the District's bonds ratings from 2011 to the present.

<u>2005 Revenue COPs</u>	
Rating Agency: Standard & Poors	
<u>Year</u>	<u>Rating</u>
2005	AAA

<u>2011A Revenue Bonds</u>	
Rating Agency: Fitch	
<u>Year</u>	<u>Rating</u>
2011	AA
2013	AA
2015	AA
2017	AA
2019	AA-

<u>2016A Revenue Bonds</u>	
Rating Agency: Standard & Poors	
<u>Year</u>	<u>Rating</u>
2016	AA+

Cash Reserves:

The District holds cash and investments in Wells Fargo, Local Agency Investment Fund (LAIF), Certificates of Deposits, and Government Agencies. These cash reserves are segregated among Restricted, Designated, and Working Capital accounts pursuant to Policy 3040. Movement among reserves does not necessarily require movement among the portfolio holdings as those monies are pooled. It is important to hold the proper amount of investments long-term to reduce idle cash and increase interest earnings.

Cash reserve balance estimates are driven by the prior end of year estimates, revenue and expenses assumptions, proposed spending of reserves, all consistent with Reserve Policy 3040. The Board adopted resolution 2019-23, causing changes to the 2019 budget, ultimately impacting end of year reserves. In addition, operating reserve Policy 3040.4.1 suspends the six-month reserve requirement until capital project reserves (Policy 3040.4.4) reach certain minimum levels in all Funds.

Considering the above statement, staff estimates the 2020 unrestricted reserve balance at approximately \$52 million. The following tables indicate an unrestricted reserve balance of \$114.8 million to comply with minimum policy amounts. Thus the District is \$62.8 million short. Fitch, the District's 2011A Bond Rating Agency, suggests that an unrestricted reserve balance below \$50 million could engender a bond rating reduction.

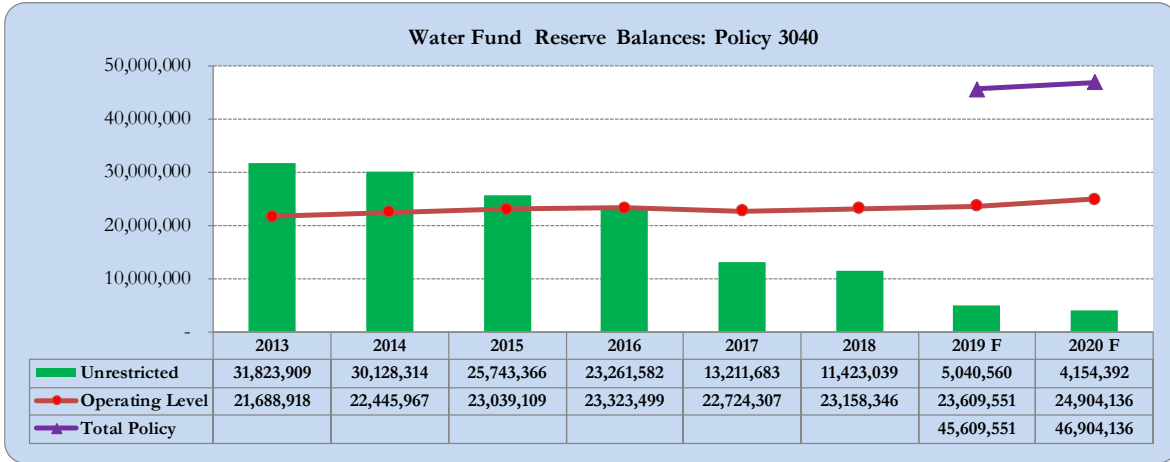
Proposed Budget				
Policy minimums	Water	Recreation	Electric	Total Cash
6 Month Operating Reserves	20,809,644	1,194,619	11,335,941	33,340,203
Capital Improv/Rplc	22,000,000	500,000	50,000,000	72,500,000
Insurance and Catastrophic	2,500,000	-	2,500,000	5,000,000
Watershed Stewardship	500,000	-	-	500,000
Accrued Leave	1,091,159	35,752	133,498	1,260,409
Operating Cash	<u>1,000,000</u>	<u>250,000</u>	<u>1,000,000</u>	<u>2,250,000</u>
Total	47,900,803	1,980,371	64,969,439	114,850,612

Unrestricted reserves					Over/(Under)
Operating Reserves	1,583,233	391,422	4,413,362	6,388,017	(26,952,186)
Capital Improv/Rplc	1,090,875	500,000	35,000,000	36,590,875	(35,909,125)
Insurance and Catastrophic	-	-	5,000,000	5,000,000	-
Watershed Stewardship	500,000	-	-	500,000	-
Accrued Leave	1,091,159	35,752	133,498	1,260,409	-
Operating Cash	<u>1,000,000</u>	<u>250,000</u>	<u>1,000,000</u>	<u>2,250,000</u>	-
Total	5,265,267	1,177,174	45,546,860	51,989,300	(62,861,312)

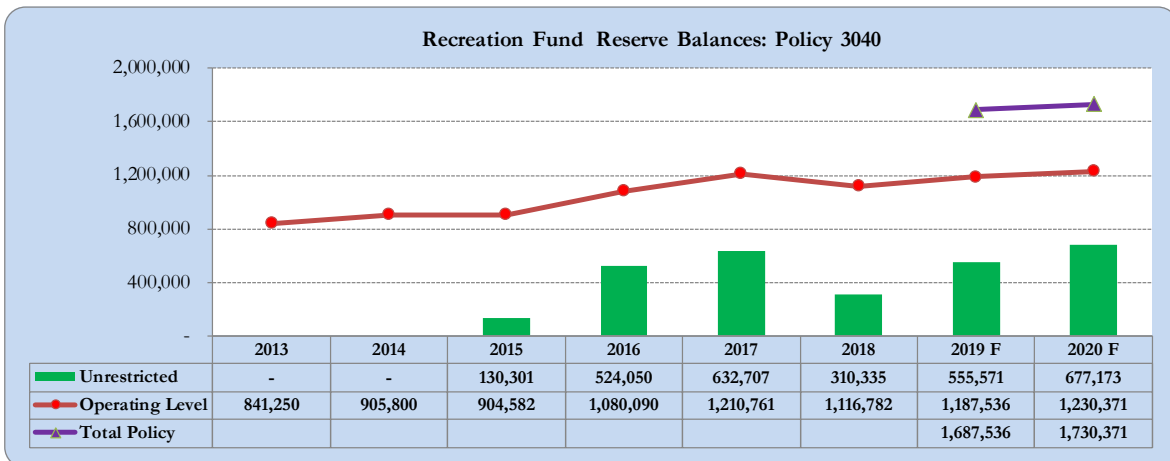
Over/(Under) (42,635,536) (803,197) (19,422,579) (62,861,312)

The Board adopted resolution 2013-24, establishing the reserve policy. Staff provides the historical balances for the three Fund's unrestricted reserves from 2013 to 2020. The below analysis excludes restricted reserves as these monies cannot be used to operate the Water System. As the Board manages a Fund's unrestricted reserves, the 5 Year CIP, incorporated into the 5-Year forecast, is a consideration. The most recent 5-Year forecast is significant and should be given ample weigh along with the most recent Water Cost of Service (COS) study.

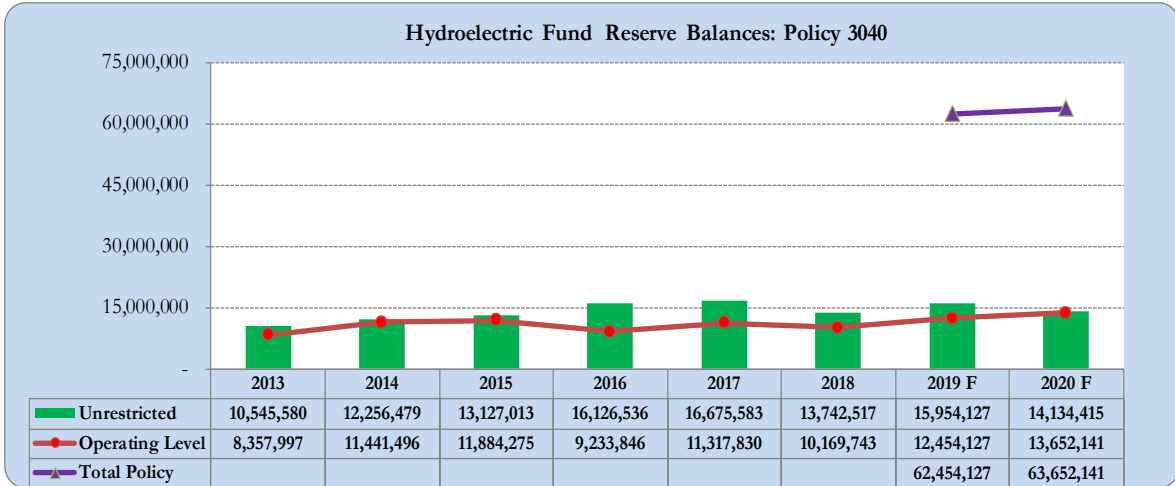
Excluding capital reserves, the Water Fund's unrestricted balance, the amount used to operate the system, was at \$31.8 million in 2013 and estimated at \$4.2 million for the fiscal year 2019. Although the \$4.2 million is designated among reserve types (Operating, Watershed, etc.), the total amount can be used to operate the system.



Excluding capital reserves over the prior two years, the Recreation Fund's unrestricted balance averages \$432,953, which is approximately \$719,000 short of its' policy level.



Excluding capital reserves, the Hydroelectric Fund's unrestricted balance has maintained adequate reserves to operate the system.

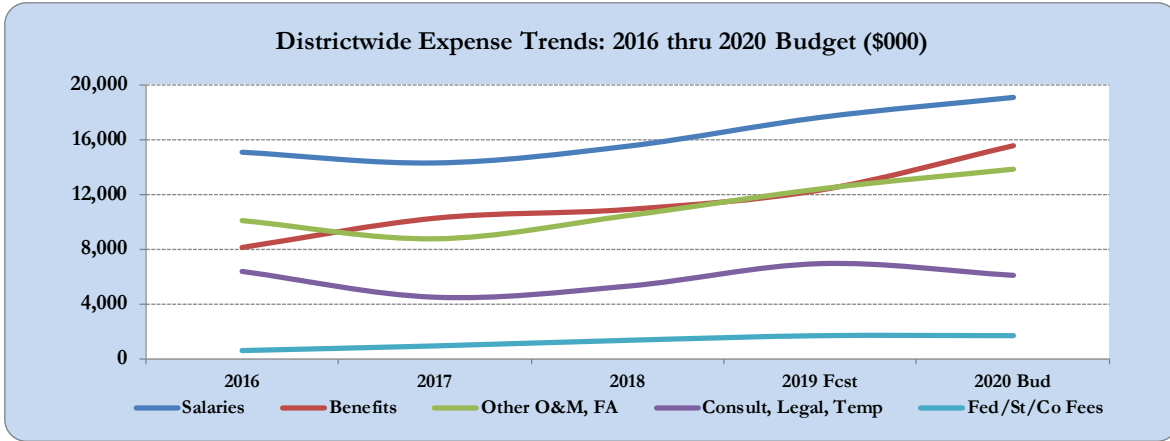


In summary, the Board may use unrestricted cash reserves without external authority. It is important to note that the District's Rating Agencies primarily focus on these reserves. These reserves are used to calculate the District's Days Cash on Hand (DCOH) metric and are a measure of the District's liquidity. The 5-Year Forecast estimates an unrestricted cash balance of \$102.2 million and reaches 498 DCOH by 2024. Obviously, there are significant assumptions to achieve these operating levels. The forecast estimates 95% of hydroelectric receipts while the budget estimates 85%. As previously mentioned, the District elects to budget more conservative.

Districtwide Expense Trends

It is important to understand historical expense trends to improve future forecasting. Economic forecasts are significant, but history is arguably the best predictor of the future. The percentage changes for the expense categories from 2016 to 2020 uses the geometric average formula and is a better indicator than the arithmetic approach. The arithmetic average tends to over or understate when the periods decrease and subsequently increase. In addition to the below percentages, the following factors occurred over the prior 5 years:

- Full-Time Employees (FTEs) increased from 197 to 219
- Natural attrition retiring higher paid to lower-paid employees
- Regulatory impacts
- Addition of Deer Creek Facilities



	2016	2017	2018	2019 Fcst	2020 Bud	% Change
Salaries	15,055	14,260	15,500	17,637	19,111	6.1%
Benefits	8,119	10,245	10,880	12,296	15,516	17.6%
Other O&M, FA	10,042	8,712	10,407	12,358	13,795	8.3%
Consult, Legal, Temp	6,354	4,494	5,291	6,916	6,070	-1.1%
Fed/St/Co Fees	527	870	1,288	1,631	1,632	32.7%

Expense Account Help Guide:

A UCOA is critical to financial reporting and accurate expenses forecasting. The Expense Account Help Guide provides the type of items the District chooses to report with a particular expense. Staff is diligent to ensure recording of the actual expense follows this guide. Regardless of whether a particular budgeted account is over/under, the District follows this structure to ensure the veracity of its' reports. The guide is significant when analyzing account balances.

Short-term Cash Forecast

Driven by statute, Policy 3035, and detailed cash forecasting models, staff reports investment activity to the Board on a quarterly basis. Management of the relationship among short and long-term investments as well as fiscal year spending requires continuous monitoring while adhering to the prudent investment rule of safety, liquidity, and yield priorities.

Staff developed a detailed short-term forecast, a significant tool to assist with the overall function of cash management. As with any liquid forecast, the model considers the timing of receipts and disbursements affecting short-term cash. The Local Agency Investment Fund (LAIF) is cash as balances are available within 48 hours. In accordance with Reserve Policy 3040, the model demonstrates sufficient liquidity over the forecasted period. Absent material budget amendments, and based on the following factors, staff estimates the 2020 liquid balance around \$17.9 million. The liquid cash balance can remain high as LAIF is currently paying more than 5-Year Government Agency bonds.

	<u>Amount</u>	<u>Reconcile to 2020 Budget</u>	
2019 Bank Balances (12/31/19)	\$ 16,724,521	Receipts	66,070,539
Receipts	66,070,539	Disbursements	(77,405,370)
Disbursements	(77,405,370)	Interest Earnings	1,100,000
Interest Earnings	1,100,000	Transfer In & Outs	<u>971,579</u>
L-Term Maturity	<u>11,439,286</u>		(9,263,252)
	<u>\$ 17,928,976</u>		

5-Year Cash Forecast (FY2020 – 2024)

Staff developed a couple of versions of the long-term cash forecasting model that considers many assumptions to assist the District with prudent financial management while monitoring reserves. The model incorporates the District's current 5-Year CIP anticipating new debt issuance of \$34.5 million for capital projects in 2021 identified in the CIP serviced through the Hydroelectric Fund.

One version of the 5-year forecast endeavors to bring the respective Fund's reserves into compliance with the District's Reserve Policy 3040. Given the current assumptions, operating cash reserves (Policy 3040.4.1) will reach 6 months of operating coverage for the respective Funds over the forecast (See specific Division breakdown). Operating reserves are unrestricted; therefore, balances are dependent on other designated reserve levels. In addition, the District is complying with its debt service coverage requirement. Considering all assumptions, the following tables indicate an unrestricted reserve balance of \$108.8 million, approximately \$13.3 million short, due to capital spending.

Forecast @ 2024					
<u>Policy minimums</u>	<u>Water</u>	<u>Recreation</u>	<u>Electric</u>	<u>Total Cash</u>	
6 Month Operating Reserves	28,095,013	1,517,692	11,323,902	40,936,607	
Capital Improv/Rplc	22,000,000	500,000	50,000,000	72,500,000	
Insurance and Catastrophic	2,500,000	-	2,500,000	5,000,000	
Watershed Stewardship	500,000	-	-	500,000	
Accrued Leave	1,091,159	35,752	133,498	1,260,409	
Operating Cash	<u>750,000</u>	<u>250,000</u>	<u>1,000,000</u>	<u>2,000,000</u>	
Total	54,936,172	2,303,444	64,957,400	122,197,016	
<u>Unrestricted reserves</u>					<u>Over/(Under)</u>
Operating Reserves	28,143,306	1,520,598	11,370,173	41,034,077	97,470
Capital Improv/Rplc	12,560,507	500,000	46,000,000	59,060,507	(13,439,493)
Insurance and Catastrophic	2,500,000	-	2,500,000	5,000,000	-
Watershed Stewardship	500,000	-	-	500,000	-
Accrued Leave	1,091,159	35,752	133,498	1,260,409	-
Operating Cash	<u>750,000</u>	<u>250,000</u>	<u>1,000,000</u>	<u>2,000,000</u>	-
Total	45,544,972	2,306,350	61,003,671	108,854,993	(13,342,023)
Over/(Under)	(9,391,201)	2,907	(3,953,729)	(13,342,023)	

Another version of the 5-year forecast assumes a flat 5.72% rate increase and \$6 million annual transfer ins from the Hydroelectric Fund. The version produces negative operation cash balances and is not viable. Staff is completing a new 2020 Water COS Study and schedule to bring the report in the first quarter of 2020.

When estimating cash reserve levels, staff believes forecasting out 5 years is more realistic as opposed to beyond this horizon. When issuing bonds, the financial markets and Rating Agencies only require this period. Also, the statutory rate-setting cycle only requires this period.

Committee Meetings

For the fiscal year 2020, staff recommends transitioning committee meetings to every other month. During the next year, staff needs every available hour to transition major business processes. The District is implementing a new Financial Management System, Banking Provider, and Asset Management System.

BUDGETARY IMPACT: To be discussed.
/RS, MD

Attachments:

- 2020 Operating & Non-Operating Budget
- 2020 Department Reduction Summary
- 2020 Short-term
- 2020 5-Year Cash forecast versions
- 2020 5-Year Capital Improvement Plan
- PowerPoint presentation

Nevada Irrigation District
Fiscal Year 2020
Operating & Non Operating Budget: All Division

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>Committee 2020 Bud</u>	<u>Proposed 2020 Bud</u>	<u>% Change 19 vs 20</u>	<u>\$ Reductions Com vs Prop</u>
<u>Operating Budgets: Excludes Transfer Outs</u>									
Operating	10113 Directors	181,587	317,006	201,811	229,925	286,904	282,404	22.8%	(4,500)
	10114 Administration	8,160,809	6,579,502	6,629,350	7,109,120	6,710,509	6,481,369	-8.8%	(229,140)
	10115 Management	1,620,987	1,715,632	1,841,445	1,962,719	1,966,835	1,704,813	-13.1%	(262,022)
	10116 Watershed	333,764	647,319	1,125,014	1,191,073	1,226,703	1,226,703	3.0%	-
	10117 Human Resources	375,760	429,382	486,332	512,387	583,842	583,842	13.9%	-
	10118 Information Services	535,089	744,935	938,127	996,785	1,217,762	1,147,762	15.1%	(70,000)
	10119 Safety	-	-	283,031	350,406	393,869	393,869	12.4%	-
	10131 Cashiering	162,207	172,477	209,947	209,539	214,365	214,365	2.3%	-
	10133 Customer Service	689,666	926,475	1,532,464	1,649,035	1,773,292	1,748,292	6.0%	(25,000)
	10135 Accounting	1,003,875	1,058,956	1,145,342	1,232,830	1,259,648	1,259,648	2.2%	-
	10151 Engineering	3,087,115	3,442,487	4,102,573	3,932,525	4,147,660	3,982,660	1.3%	(165,000)
	10171 Water Operations	7,905,605	8,743,535	9,747,478	10,297,971	10,958,635	10,455,635	1.5%	(503,000)
	10191 Maintenance	8,592,649	10,897,938	10,218,791	10,518,518	13,154,634	12,658,006	20.3%	(496,628)
	10192 Vegetation		-	1,149,462	1,251,494	1,437,351	1,265,351	1.1%	(172,000)
	10193 Purchasing	692,239	790,229	901,193	1,049,022	1,088,176	995,676	-5.1%	(92,500)
	10195 Shop Operations	667,665	689,897	722,382	786,609	843,416	813,416	3.4%	(30,000)
	30250 Recreation General	1,948,036	1,825,248	1,711,718	1,921,967	2,008,707	2,008,707	4.5%	-
	30254 Jackson Meadows	-	325,084	405,446	505,192	526,817	526,817	4.3%	-
	50112 Hydro Admin	2,998,528	3,748,278	5,308,258	5,201,348	5,136,676	4,846,676	-6.8%	(290,000)
50161 Hydro Operations	1,679,582	1,957,908	2,509,977	2,435,637	3,499,003	3,499,003	43.7%	-	
50167 Hydro Maintenance	2,374,222	2,543,900	3,857,874	3,840,674	4,320,356	4,220,356	9.9%	(100,000)	
Operating Total		43,009,385	47,556,189	55,028,013	57,184,775	62,755,160	60,315,370	5.5%	(2,439,790)

10113 Directors - Election

10117 Human Resources - Negotiations

10118 Information Systems - ERP & CMMS

10119 Safety - Labor, consultants

10191 Maintenance - Deer Creek

50112, 50161 Hydro - Deer Creek



Nevada Irrigation District

Fiscal Year 2020: Operating & Non Operating Budget
Proudly serving Nevada, Placer and Yuba Counties for over 95 Years.

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget

Table of Contents

	Page
Executive Summary	1
Budget Development	2
Charts	3
<u>Nevada Irrigation District Budgets</u>	
All Divisions	9
Water Division	11
10113 Directors	14
10114 Administration	14
10115 Management	15
10116 Watershed	16
10117 Human Resources	17
10118 Information Services	18
10119 Safety	19
10131 Cashiering	19
10133 Customer Service	20
10135 Accounting	21
10151 Engineering	22
10171 Water Operations	23
10191 Maintenance	24
10192 Vegetation	26
10193 Purchasing	27
10195 Shop Operations	28
Recreation Division	31
30250 Recreation General	33
30254 Jackson Meadows	34
Electric Division	36
50112 Hydro Admin	38
50161 Hydro Operations	39
50167 Hydro Maintenance	40
Capital Projects	43
Staffing	48
Debt Service Coverage	53
Cash Reserves	54
2020 Expense Account Help Guide	56

To: Distinguished Members of the Nevada Irrigation District Board

From: Remleh Scherzinger, MBA, SDA, PE, General Manager

From: Marvin Davis, MBA, CPA, Finance Manager/Treasurer

In accordance with California Government Code Sections 53900 - 53901, California Water Code Division 11 Section 20500 – 29978 and District practice, we are pleased to submit the proposed, balanced budget for the Fiscal Year of January 1, 2020 – December 31, 2020 for your approval. With our continued focus on efficiency and sustainability, the District continues to develop the Recreation and Hydroelectric business lines, whose stability will continue to improve in the coming years. Having implemented significant improvements to our financial and operational processes, the District anticipates migrating its' financial management and asset management systems to new platforms over the coming years, continually improving our internal controls. These actions further demonstrate our ongoing investment in process improvements enhancing the services provided to our community.

Demand for water continues to increase as 2019 projected sales are \$1.8 million (8.2%) higher than 2018. Considering the Board adopted a 5.72% rate increase for fiscal year 2019, actual sales related to usage increased about 2.5%. Given that the Water Fund's reserves have been completely drawn down, the system requires a substantial transfer in from the Hydroelectric Fund. Additional rate increases and reduced capital project spending is warranted until the Fund's reserves are replenished. Long-term climate models, current regulatory and legislative initiatives signal continual operational volatility. All of these factors that must be considered in the current budget. The District's 2019 financial efficiency report indicates over \$6.2 million in savings demonstrating a strong organizational commitment to reducing costs and improving internal efficiencies, for the benefit of our rate payers and the community. Since the inception of our focus on these efforts, the District has realized approximately \$28.5 million in hard and soft savings as well as additional revenues.

The proposed plan's expenditures are driven by labor costs and capital project spending being funded by current operating and non-operating revenue from the three business lines requiring a \$9.3 million contribution from reserves. Considering addition of the Deer Creek Facilities, the District realized a decrease in reserve contributions of approximately \$4.4 million from the prior year's budget. The District's Hydroelectric operation is contributing \$13.6 million to support Water operations. Transfer in and outs among funds does not impact overall reserves as one fund receives revenue while others expense. However, the Board must remain cognizant of each individual Fund's solvency. In addition, Hydroelectric is contributing \$315,000 to Recreation for capital projects and reserve building. This budget is consistent with the 3-Year financial water rates adopted by the Board. The development of the plan is discussed on the budget objectives and assumptions page of this document.

The budget format, including department and account segregation, detailed cash forecast and reserve policy review is a reflection of the District's internal control framework. The transparency of this document yields a greater degree of clarity of the District's current cash position and emphasizes our ability to operate a lean and flexible organization. The management team and staff expresses their appreciation of the Board and public's commitment to assisting our District in the management of our precious resources.

Nevada Irrigation District
Fiscal Year 2020
Operating & Non Operating Budget

Budget Development (Objectives & Assumptions)

The District's accounting records are maintained using the accrual basis of accounting. The revenues of the District are recognized when earned and the expenses are recognized when incurred. The budget details in this document are used as a management tool for forecasting and monitoring revenues and expenses. The District's accounting system records the actual transactions associated with these forecasts. The budget is developed as closely as possible to a cash flow projection rather than a full accrual estimate, thus excluding depreciation, amortization, and certain unrealized gains & losses. The objectives of the budget are to meet current customer service demands and adhere to all state and federal laws while remaining consistent with the District's strategic rate setting guidelines. The following assumptions were considered in the development of the budget, employing a conservative yet realistic approach.

Operating Revenue:

- Water Sales 7.72% over 2019 forecast (5.72% commodity rate, 2% demand), Other Revenue 3% (Installs, Reim, Rents, Leases etc.)
- Recreation revenues 5% over forecast
- Hydroelectric Power Contracts projected at 85% of expected levels, SF PPA ends 6/1/2020, Combie South ends 5/1/2020
- Transfer Ins: Water \$13.6M from Hydro, \$350K ADs, \$218K Cap Fees (Reso 2007-26)
- Operating grants: SNC Forestry Phase 4, CFIP Cal Fire (\$600K)

Capital Revenue:

- Property Taxes 3% over 2019 forecast, historical trend 2016 - 2019 is 3.9%
- Transfer In: Water - Capacity Fee usage of \$400K, Recreation - \$315K from Hydro

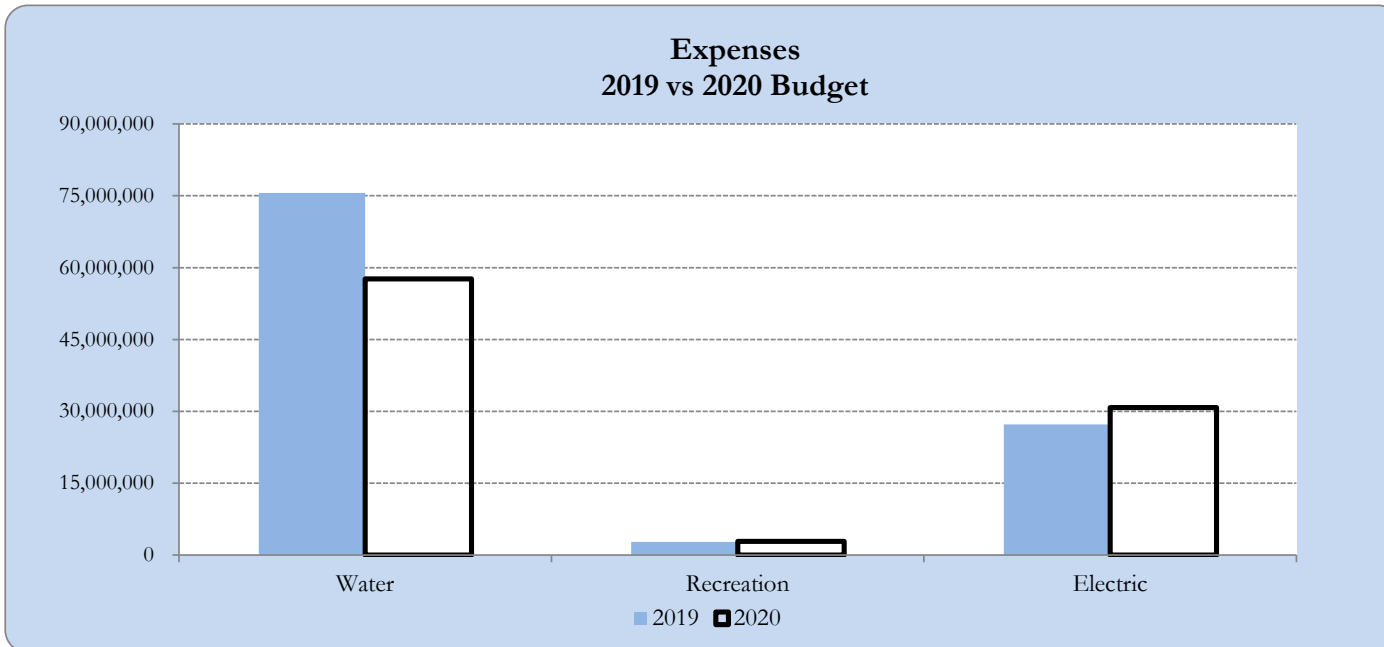
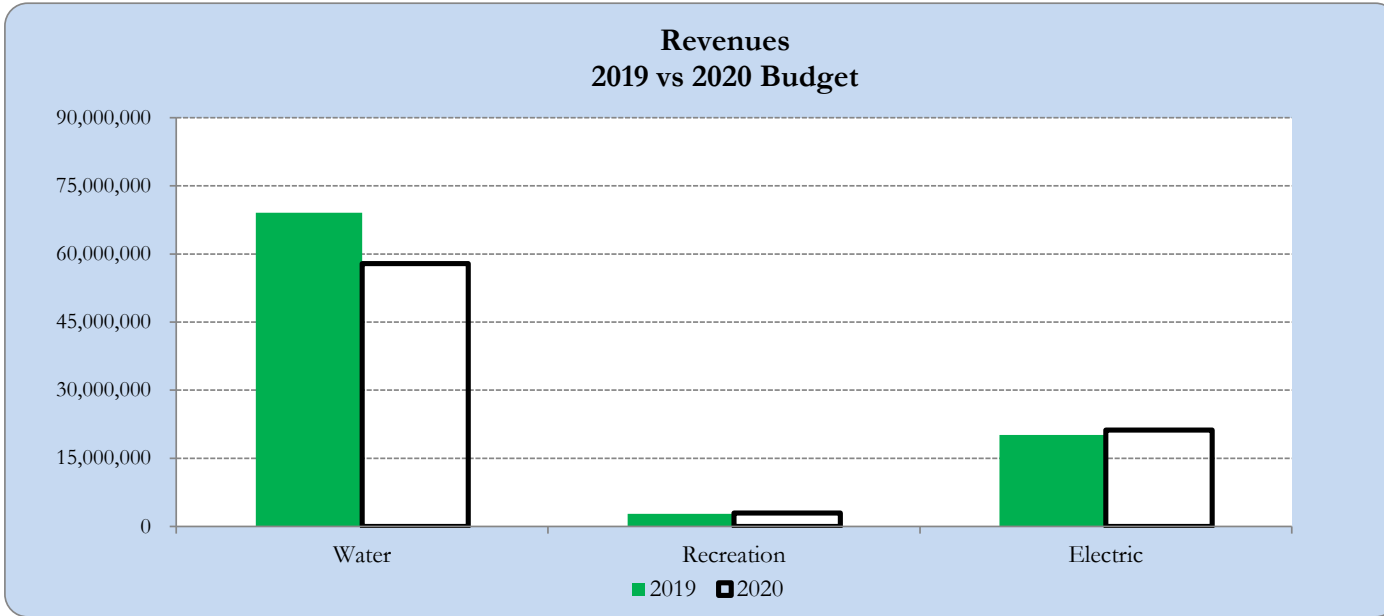
Operating & Maintenance Expenditure:

- Labor: additional 5 FTEs for 2020 budget, 3.5% COLA at Jan 2020, 5% for normal step increases, Medical 10%, PERS rate at 35.4%
- Water's estimated increase is \$2M (4.7%) over 2019 budget, addition of Deer Creek Facilities
- Recreation's estimated increase is \$108K (4.5%) over 2019 budget
- Hydroelectric's estimated increase is \$4M (17.8%) over 2019 budget, subsidizing additional Water operating costs
- District overall estimated increase is \$6.1M (9%) over 2019 budget

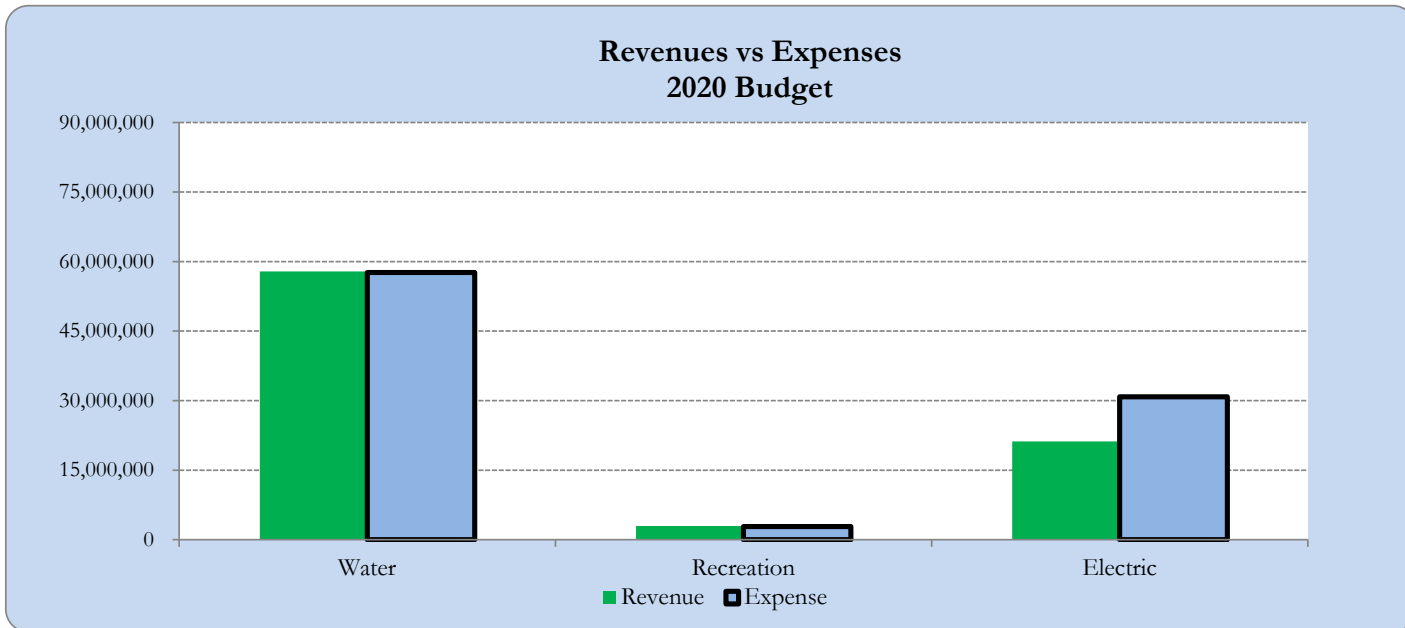
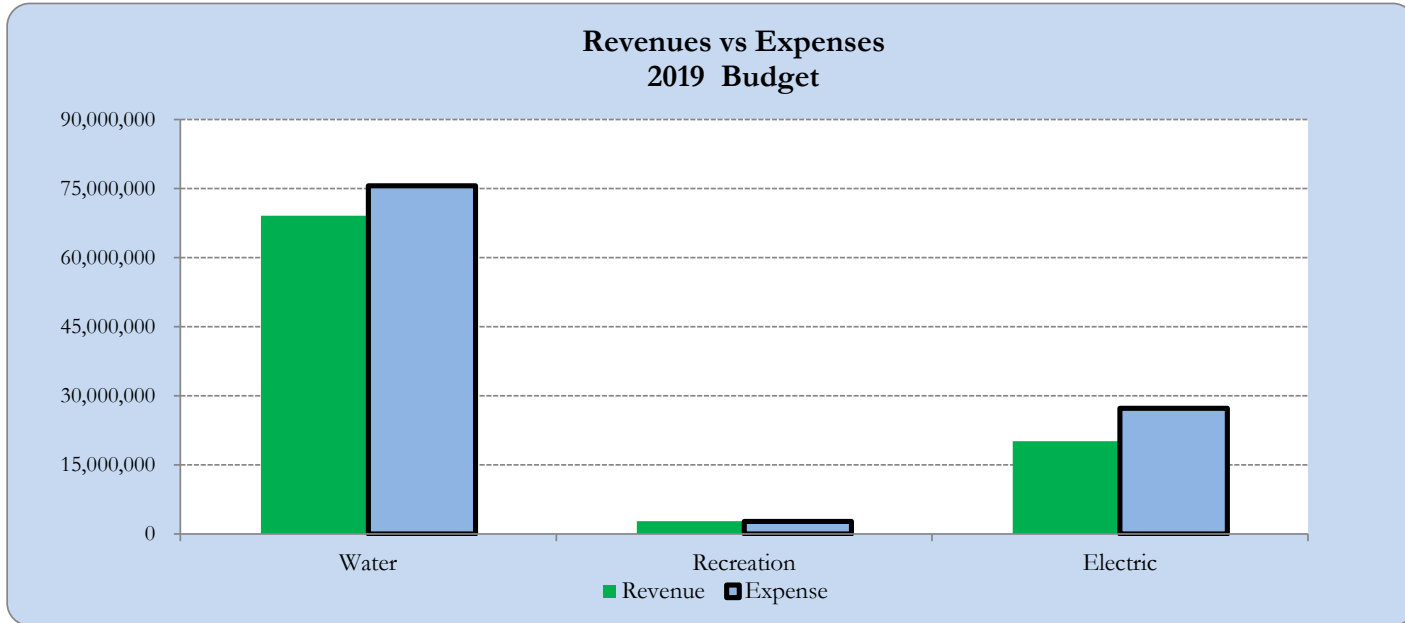
Capital Expenditure:

- Water's estimated decrease is \$19.9M (61.5%) under 2019 budget, having drawn down 2016A Bond Proceeds and building these reserves
- Recreation flat against 2019 budget, Hydroelectric's estimated decrease is \$470K (9.8%) under 2019 budget
- District overall estimated decrease is \$20.4M (54.4%) under 2019 budget

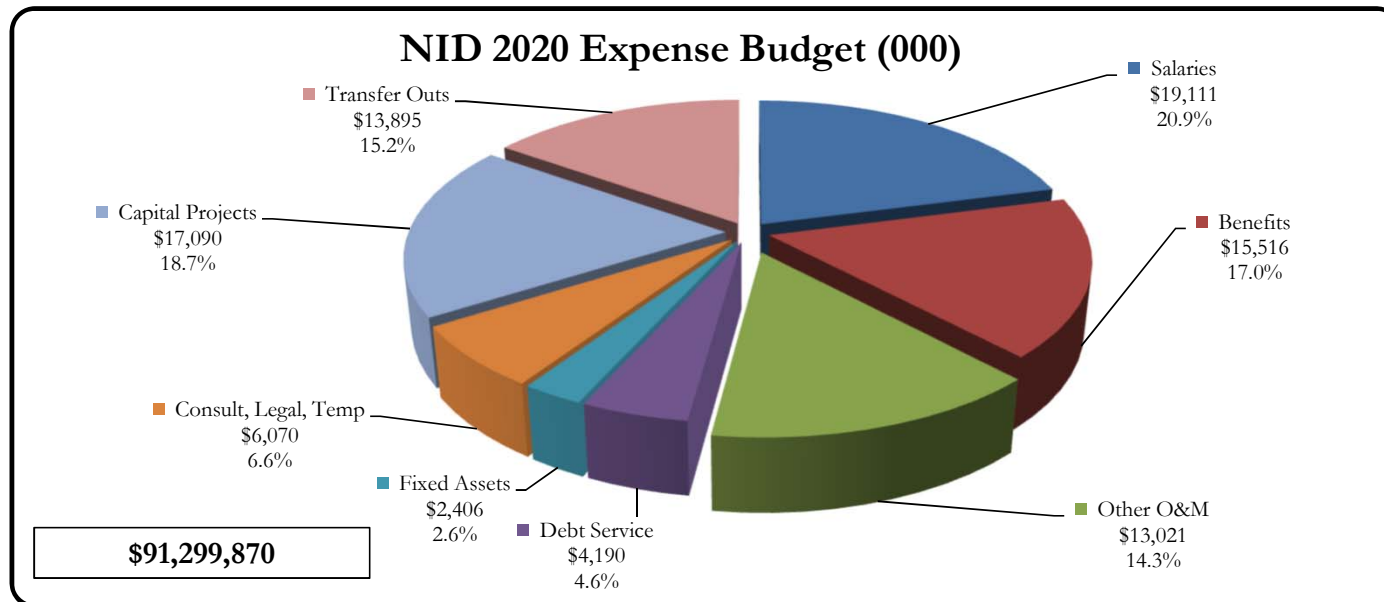
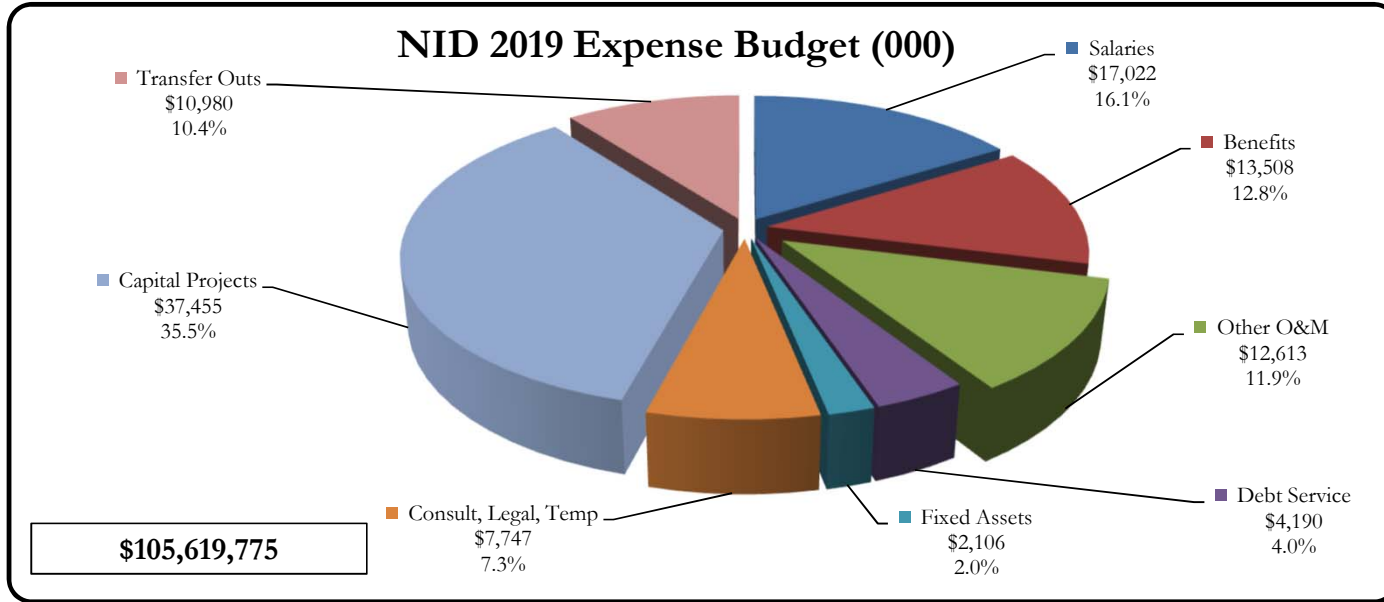
Nevada Irrigation District
Fiscal Year 2020
Operating & Non Operating Budget



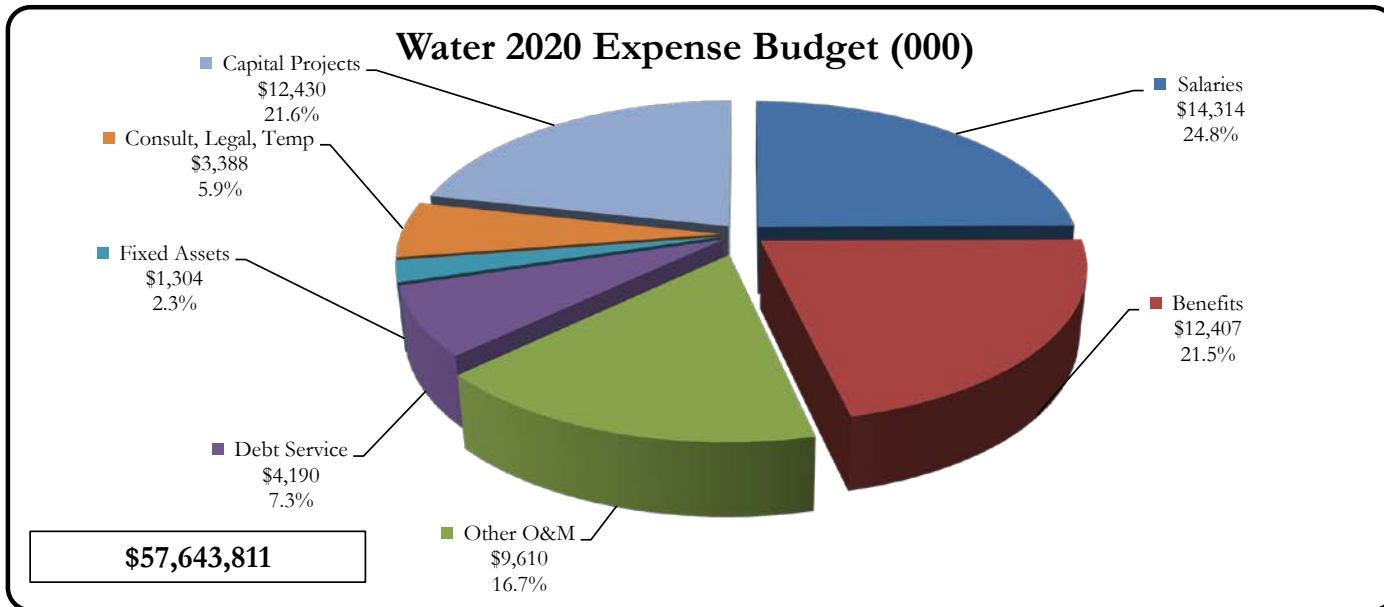
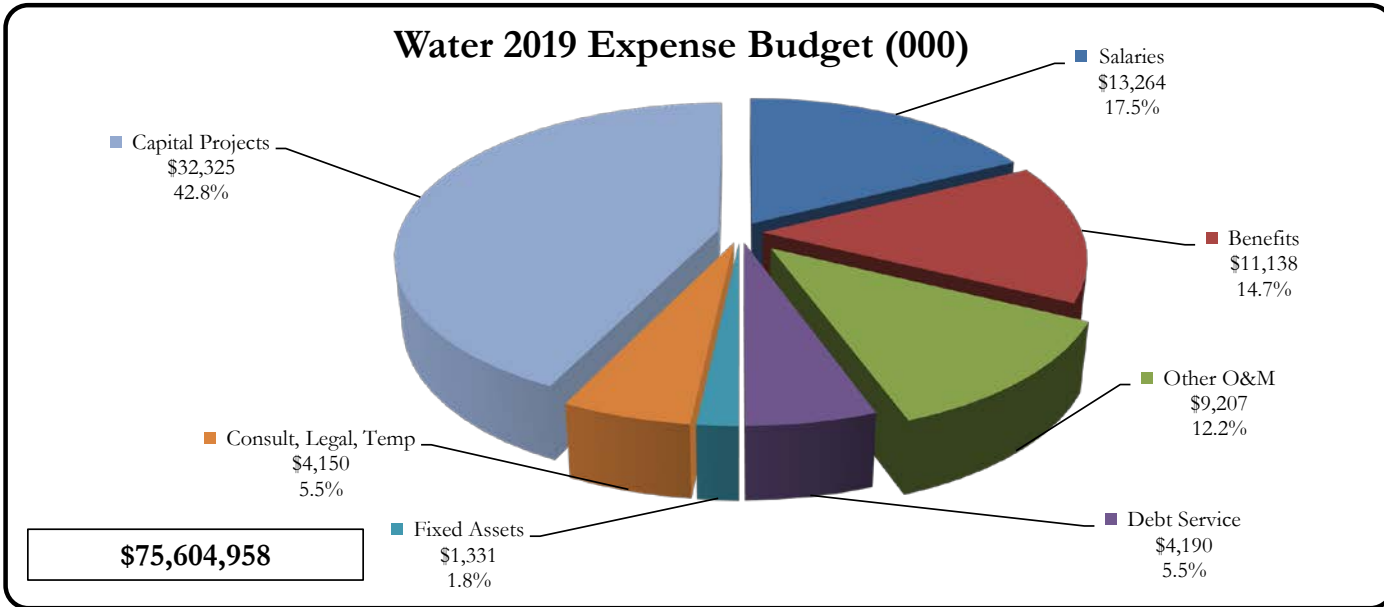
Nevada Irrigation District
Fiscal Year 2020
Operating & Non Operating Budget



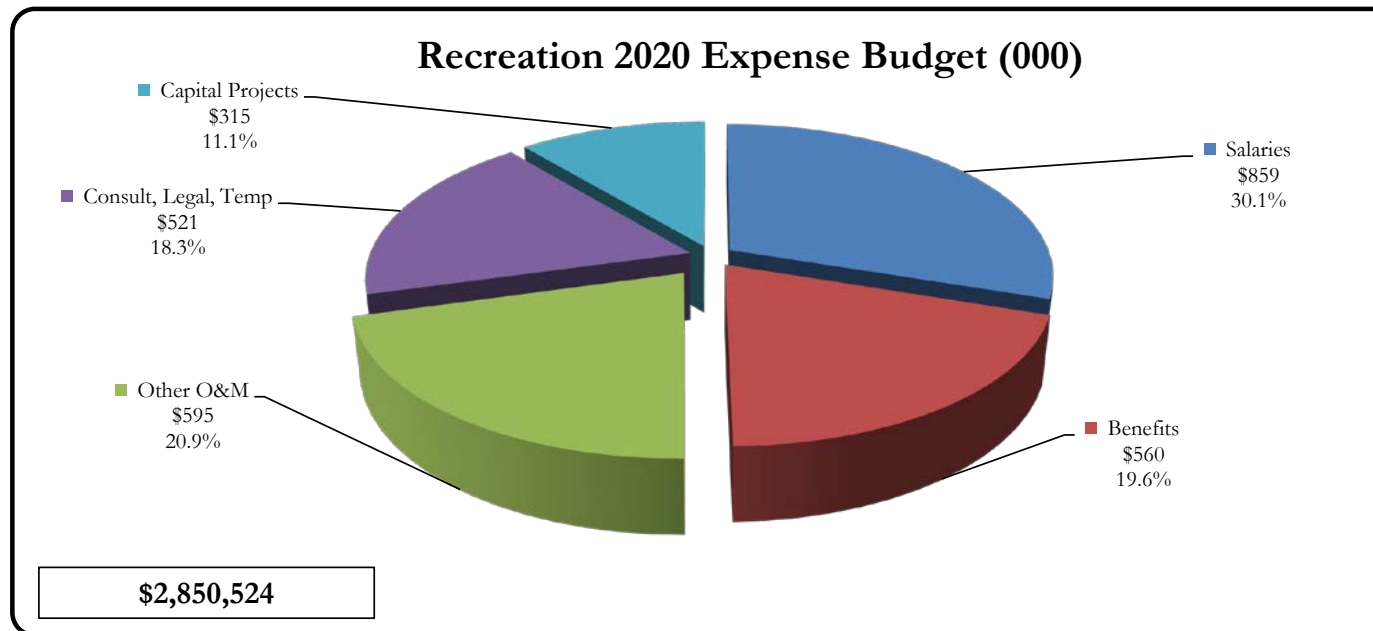
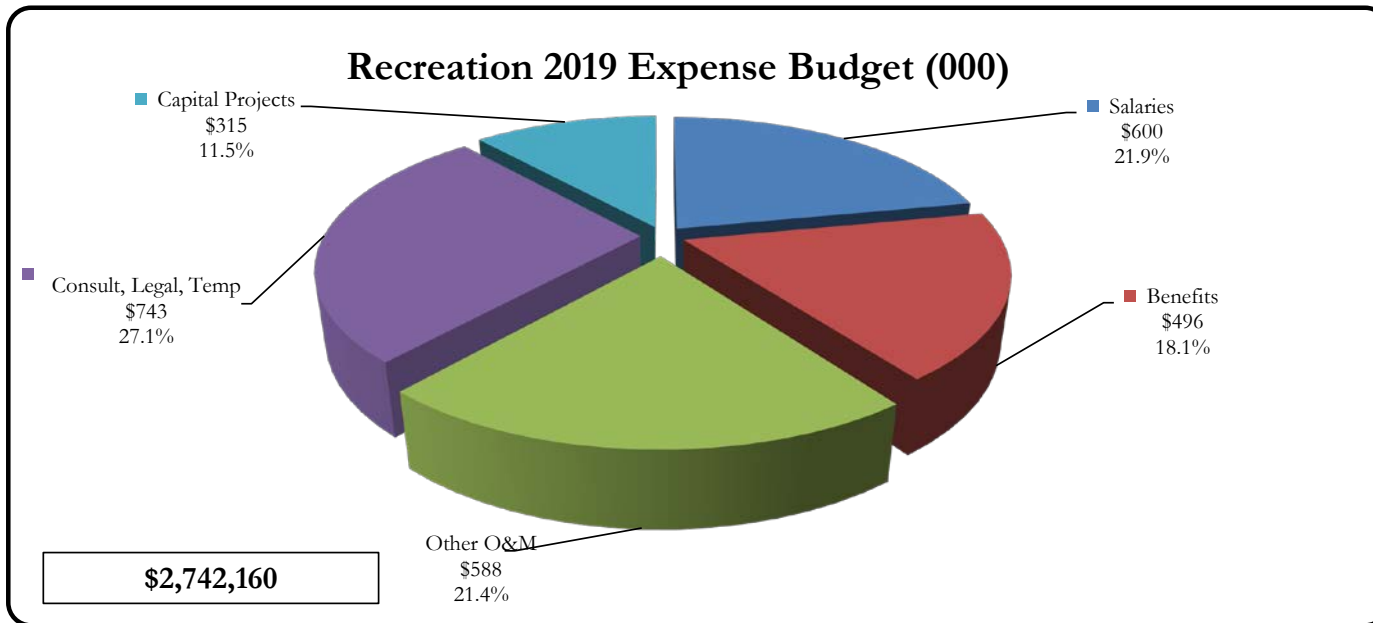
Nevada Irrigation District
 Fiscal Year 2020
 Operating & Non Operating Budget



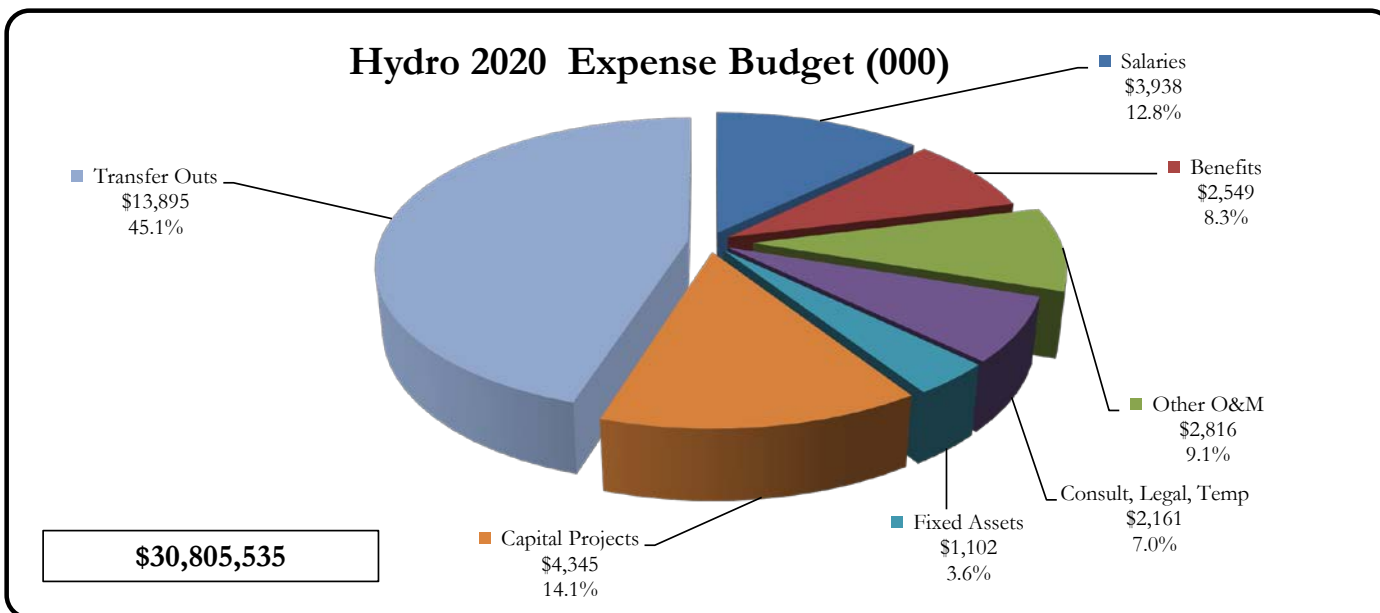
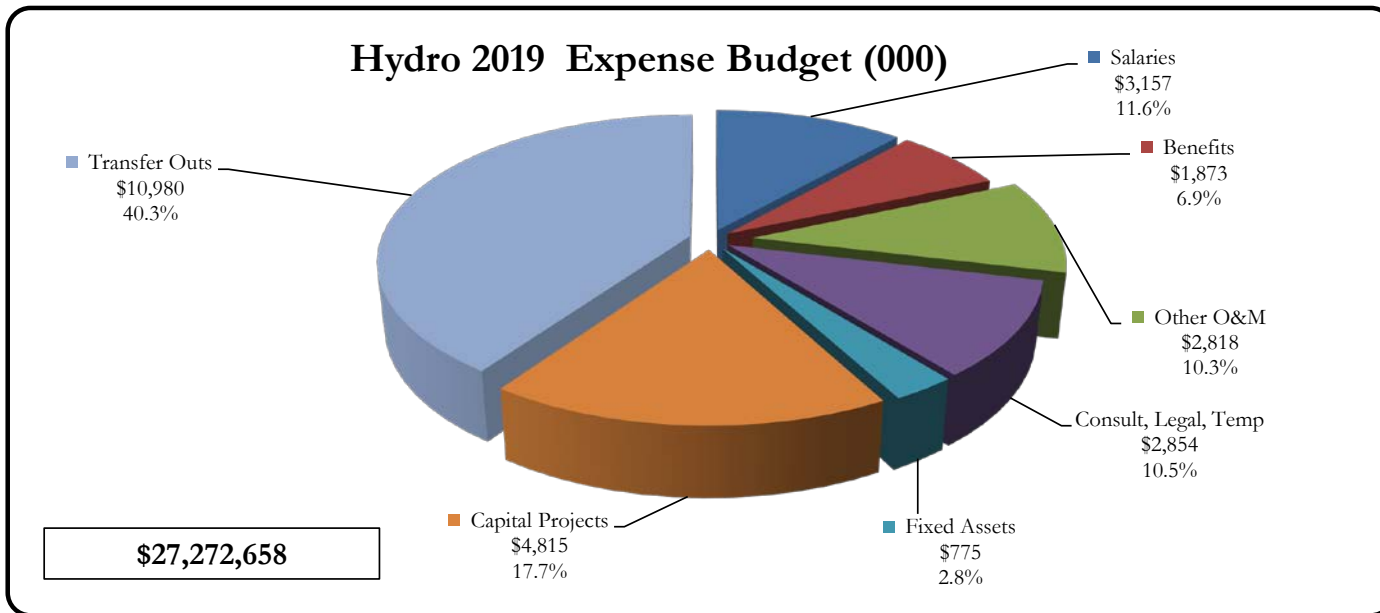
Nevada Irrigation District
 Fiscal Year 2020
 Operating & Non Operating Budget



Nevada Irrigation District
 Fiscal Year 2020
 Operating & Non Operating Budget



Nevada Irrigation District
 Fiscal Year 2020
 Operating & Non Operating Budget



Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: All Divisions by Fund

			<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>	
<u>Operating & Non Operating Budgets:</u>								
Revenues	Operating	Water Division	27,083,575	30,466,686	38,416,197	41,509,672	44,347,643	
		Recreation Division	2,261,743	2,376,305	2,450,400	2,470,124	2,657,126	
		Electric Division	23,518,078	23,561,491	24,208,576	20,124,690	21,195,975	
		Operating Sum	52,863,397	56,404,482	65,075,174	64,104,486	68,200,744	
	Non Operating	Water Division	15,629,363	19,646,939	32,013,452	27,574,953	13,520,875	
		Recreation Division	200,000	315,000	315,000	315,000	315,000	
			Non Operating Sum	15,829,363	19,961,939	32,328,452	27,889,953	13,835,875
	Revenues Total			68,692,759	76,366,421	97,403,626	91,994,439	82,036,618
	Expenses	Operating	Water Division	34,209,017	37,155,770	41,234,741	43,279,958	45,213,811
Recreation Division			1,948,036	2,150,332	2,117,164	2,427,160	2,535,524	
Electric Division			9,847,241	12,565,087	22,656,109	22,457,658	26,460,535	
		Operating Sum	46,004,293	51,871,189	66,008,013	68,164,775	74,209,870	
Non Operating		Water Division	16,595,413	16,369,800	35,577,388	32,325,000	12,430,000	
		Recreation Division	343,876	795,512	303,000	315,000	315,000	
		Electric Division	3,774,201	3,189,681	4,848,456	4,815,000	4,345,000	
		Non Operating Sum	20,713,489	20,354,993	40,728,843	37,455,000	17,090,000	
Expenses Total			66,717,782	72,226,182	106,736,857	105,619,775	91,299,870	
Net Income*			1,974,977	4,140,239	(9,333,231)	(13,625,336)	(9,263,252)	

* See Cash Schedule for Reserve Impact

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: All Divisions by Function

			<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>	
<u>Operating & Non Operating Budgets:</u>								
Revenues	Operating	Water Sales	21,514,816	23,105,705	24,990,537	27,278,195	26,919,806	
		Other Water Revenue	1,315,416	1,721,588	1,527,317	2,333,134	1,576,757	
		Recreation Fees	2,261,743	2,376,305	2,450,400	2,470,124	2,657,126	
		Electric Power	23,518,078	23,561,491	24,208,576	20,124,690	21,195,975	
		Interest Income	1,458,435	1,152,904	1,350,000	1,350,000	1,100,000	
		Grants - Operating		1,266	685,825	685,825	600,000	
		Transfer Ins - Operating	2,794,908	4,485,223	9,862,518	9,862,518	14,151,079	
		Operating Sum		52,863,397	56,404,482	65,075,174	64,104,486	68,200,744
	Non Operating	Property Taxes	11,401,037	12,331,723	12,738,713	12,449,953	13,120,875	
		Grants - Non op	495,361	2,053,216	4,849,739	300,000	-	
		Transfer Ins - Capital	896,541	315,000	1,690,000	2,090,000	715,000	
		Transfer Ins-Bonds	3,036,424	5,262,000	13,050,000	13,050,000	-	
	Non Operating Sum		15,829,363	19,961,939	32,328,452	27,889,953	13,835,875	
	Revenues Total			68,692,759	76,366,421	97,403,626	91,994,439	82,036,618
	Expenses	Operating	Salaries	14,259,693	15,499,850	17,637,297	17,021,561	19,111,472
Benefits			10,245,322	10,880,224	12,295,877	13,507,675	15,515,836	
Other O&M			7,323,386	8,493,778	9,987,587	11,000,404	11,389,187	
Consult, Legal, Temp			4,494,197	5,290,713	6,916,399	7,746,833	6,070,150	
Fed/St/Co Fees			870,217	1,288,305	1,630,715	1,612,215	1,632,068	
Debt Service			4,427,691	4,190,490	4,190,368	4,190,368	4,190,368	
Fixed Assets			1,388,880	1,912,830	2,369,770	2,105,719	2,406,289	
Transfer Outs			2,994,908	4,315,000	10,980,000	10,980,000	13,894,500	
Operating Sum				46,004,293	51,871,189	66,008,013	68,164,775	74,209,870
Non Operating		Capital Projects	20,713,489	20,354,993	40,728,843	37,455,000	17,090,000	
Non Operating Sum		20,713,489	20,354,993	40,728,843	37,455,000	17,090,000		
Expenses Total			66,717,782	72,226,182	106,736,857	105,619,775	91,299,870	

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
<u>Operating & Non Operating Budgets:</u>						
Operating	Revenues	27,083,575	30,466,686	38,416,197	41,509,672	44,347,643
	Expenses	34,209,017	37,155,770	41,234,741	43,279,958	45,213,811
	Operating Income	(7,125,441)	(6,689,084)	(2,818,543)	(1,770,286)	(866,168)
Non Operating	Revenues	15,629,363	19,646,939	32,013,452	27,574,953	13,520,875
	Expenses	16,595,413	16,369,800	35,577,388	32,325,000	12,430,000
	Non Operating Income	(966,050)	3,277,139	(3,563,936)	(4,750,047)	1,090,875
Net Income*		(8,091,492)	(3,411,945)	(6,382,479)	(6,520,333)	224,706

* See Cash Schedule for Reserve Impact

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
Revenues						
Operating	Treated Water	14,500,418	15,709,613	17,483,258	19,723,195	18,832,966
	Raw Water	7,014,398	7,396,092	7,507,279	7,555,000	8,086,841
	Interest Income	1,458,435	1,152,904	1,350,000	1,350,000	1,100,000
	Reimb/Fees/Other	689,642	1,164,618	942,234	1,636,205	970,501
	New Connect/Install	276,237	276,100	267,110	297,531	275,123
	Rents & Leases	220,965	148,778	184,872	291,214	190,418
	Standby	128,572	132,092	133,102	108,184	140,715
	Grants - Operating		1,266	685,825	685,825	600,000
	Transfer Ins - Operating	2,794,908	4,485,223	9,862,518	9,862,518	14,151,079
Operating Total		27,083,575	30,466,686	38,416,197	41,509,672	44,347,643
Non Operating	Property Taxes	11,401,037	12,331,723	12,738,713	12,449,953	13,120,875
	Transfer Ins - Capital	696,541	-	1,375,000	1,775,000	400,000
	Grants - Non op	495,361	2,053,216	4,849,739	300,000	-
	Transfer Ins - Bonds	3,036,424	5,262,000	13,050,000	13,050,000	-
Non Operating Total		15,629,363	19,646,939	32,013,452	27,574,953	13,520,875

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
<u>Expenses</u>						
Operating						
	10113 Directors	181,587	317,006	201,811	229,925	282,404
	10114 Administration	8,360,809	6,579,502	6,629,350	7,109,120	6,481,369
	10115 Management	1,620,987	1,715,632	1,841,445	1,962,719	1,704,813
	10116 Watershed	333,764	647,319	1,125,014	1,191,073	1,226,703
	10117 Human Resources	375,760	429,382	486,332	512,387	583,842
	10118 Information Services	535,089	744,935	938,127	996,785	1,147,762
	10119 Safety	-	-	283,031	350,406	393,869
	10131 Cashiering	162,207	172,477	209,947	209,539	214,365
	10133 Customer Service	689,666	926,475	1,532,464	1,649,035	1,748,292
	10135 Accounting	1,003,875	1,058,956	1,145,342	1,232,830	1,259,648
	10151 Engineering	3,087,115	3,442,487	4,102,573	3,932,525	3,982,660
	10171 Water Operations	7,905,605	8,743,535	9,747,478	10,297,971	10,455,635
	10191 Maintenance	8,592,649	10,897,938	10,218,791	10,518,518	12,658,006
	10192 Vegetation		-	1,149,462	1,251,494	1,265,351
	10193 Purchasing	692,239	790,229	901,193	1,049,022	995,676
	10195 Shop Operations	667,665	689,897	722,382	786,609	813,416
Operating Total		34,209,017	37,155,770	41,234,741	43,279,958	45,213,811
Non Operating						
	10114 Administration	395,893	597,751	314,030	10,000	100,000
	10115 Management	20,732	2,257,098	4,566,252	-	-
	10118 Information Services	-	-	750,000	2,750,000	-
	10119 Safety	-	-	-	20,000	20,000
	10151 Engineering	16,178,788	13,514,951	29,947,106	29,545,000	12,310,000
Non Operating Total		16,595,413	16,369,800	35,577,388	32,325,000	12,430,000

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
10113 Directors	51101 Salary	74,400	78,150	74,257	74,257	74,257
	51307 Deferred Comp	594	594	600	600	600
	51308 EE Assistance Plan	124	10	130	130	-
	51310 Medicare	904	1,079	1,077	1,077	1,077
	51312 Health Insurance	78,891	82,643	93,206	119,186	131,105
	51313 Life Insurance	261	260	608	608	608
	51314 Dental Insurance	3,942	3,638	7,374	7,374	7,743
	51315 Vision Insurance	938	938	942	942	970
	51317 Workers Comp	71	67	297	297	297
	51319 FICA	3,867	4,612	4,604	4,604	4,612
	52503 Equipment Maintenance		-	2,672	4,000	4,000
	52603 Consulting/Contractor Fee	-	80,327	240	1,000	-
	52604 Legal Fees		9,056	2,304	-	-
	52608 Fed/St/Co Fees	-	34,802	-	-	40,000
	52710 Supplies	11,732	3,088	1,350	3,350	3,350
	52711 Education/Training/Meals	4,767	15,092	10,150	10,500	12,000
52713 Utilities	1,094	2,648	2,000	2,000	1,785	
10113 Directors Total		181,587	317,006	201,811	229,925	282,404
10114 Administration	51311 Pension	1,346,286	-	-	-	-
	51312 Health Insurance	918	1,482	762	-	-
	51313 Life Insurance	15,192	15,412	21,000	21,000	21,000
	51321 Health Benefits Retirees	1,013,859	965,791	1,000,000	1,000,000	1,000,000
	51324 OPEB Net ARC	646,000	421,065	342,000	435,000	342,000
	52503 Equipment Maintenance	57,568	47,196	50,000	52,222	53,789
	52504 Materials	1,587	27	12,560	15,700	15,700
	52505 Safety	15,147	14,559	15,680	-	-

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
	52603 Consulting/Contractor Fee	76,880	74,420	100,851	70,000	60,000
	52604 Legal Fees	163,726	183,755	200,000	200,000	220,000
	52608 Fed/St/Co Fees	4,229	28,181	82,000	112,000	75,000
	52703 Debt Service	4,427,691	4,190,490	4,190,368	4,190,368	4,190,368
	52704 Insurance	193,036	381,369	260,000	260,000	290,600
	52705 Disadvantaged Customer		-	150,000	500,000	10,000
	52706 Dues, Publctns, Spnsrshp	64,009	85,861	48,000	69,850	53,408
	52709 Advertising/Legal Notices	3,181	10,152	25,565	44,500	30,000
	52710 Supplies	31,971	54,560	24,800	31,000	19,500
	52711 Education/Training/Meals	43	7,081	15,283	17,000	5,000
	52713 Utilities	99,484	98,103	90,480	90,480	95,004
	54000 Transfer Out	200,000	-		-	-
10114 Administration Total		8,360,809	6,579,502	6,629,350	7,109,120	6,481,369
10115 Management	51101 Salary	858,802	869,091	807,248	807,248	806,931
	51105 Overtime	2,342	1,433	1,000	1,000	1,000
	51306 Short Term Disability		1,700	1,336	1,336	1,336
	51308 EE Assistance Plan	227	20	208	208	-
	51310 Medicare	12,720	10,531	11,705	11,705	11,700
	51311 Pension	148,063	242,593	247,004	247,004	285,654
	51312 Health Insurance	141,820	191,385	198,167	190,698	209,768
	51313 Life Insurance	5,643	6,545	6,317	6,317	6,604
	51314 Dental Insurance	8,569	9,178	11,798	11,798	12,388
	51315 Vision Insurance	1,594	1,829	1,507	1,507	1,552
	51316 Long-T Disability	1,541	1,379	3,474	3,474	3,631
	51317 Workers Comp	7,069	7,089	8,232	8,232	5,649
	51318 Unemployment	3,450	-	10,000	10,000	10,000

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
10115 Management	51319 FICA	2,146	662	1,200	1,200	1,200
	52500 Miscellaneous	3,200	-		-	-
	52501 Chemicals	1,305	2,327	1,000	-	-
	52503 Equipment Maintenance	468	186	-	-	-
	52504 Materials	-	1,762	-	-	-
	52505 Safety	-	126	10	-	-
	52603 Consulting/Contractor Fee	310,094	314,645	471,223	576,092	282,500
	52609 Temporary Labor	18,354	3,565	15,000	35,000	15,000
	52706 Dues, Publctns, Spnsrshp	165	244	116	-	-
	52710 Supplies	26,251	15,803	7,000	10,000	10,000
	52711 Education/Training/Meals	35,912	31,655	37,200	39,200	39,200
	52713 Utilities	1,892	1,885	700	700	700
	52902 Vehicle Purchases	29,361	-		-	-
10115 Management Total		1,620,987	1,715,632	1,841,445	1,962,719	1,704,813
10116 Watershed	51101 Salary	85,987	103,702	105,265	105,265	114,351
	51105 Overtime	1,177	313	-	-	-
	51306 Short Term Disability		393	399	399	399
	51308 EE Assistance Plan	25	2	26	26	-
	51310 Medicare	1,220	1,418	1,526	1,526	1,658
	51311 Pension	16,791	31,313	33,685	33,685	40,480
	51312 Health Insurance	19,541	23,404	22,476	23,837	26,221
	51313 Life Insurance	815	896	861	861	936
	51314 Dental Insurance	1,475	1,475	1,475	1,475	1,549
	51315 Vision Insurance	188	188	188	188	194
	51316 Long-T Disability	212	156	474	474	515
	51317 Workers Comp	345	298	737	737	800

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
10116 Watershed	52504 Materials	2,113	5,271	5,000	10,000	10,300
	52506 Small Tools	-	-	500	500	500
	52603 Consulting/Contractor Fee	203,654	467,148	885,900	943,900	952,000
	52608 Fed/St/Co Fees		4,927	10,000	10,000	10,000
	52609 Temporary Labor	-	4,600	56,400	56,400	65,000
	52711 Education/Training/Meals	223	1,816	102	1,800	1,800
10116 Watershed Total		333,764	647,319	1,125,014	1,191,073	1,226,703
10117 Human Resources	51101 Salary	165,921	220,486	238,136	238,136	255,315
	51105 Overtime	475	712	1,000	1,000	1,000
	51306 Short Term Disability		602	618	618	618
	51308 EE Assistance Plan	39	6	78	78	-
	51310 Medicare	1,851	3,071	3,453	3,453	3,702
	51311 Pension	30,224	65,761	76,203	76,203	90,381
	51312 Health Insurance	33,317	66,493	70,856	71,512	78,663
	51313 Life Insurance	1,346	2,039	1,949	1,949	2,089
	51314 Dental Insurance	2,826	3,133	4,424	4,424	4,646
	51315 Vision Insurance	422	563	565	565	582
	51316 Long-T Disability	420	466	1,072	1,072	1,149
	51317 Workers Comp	622	600	1,667	1,667	1,787
	52504 Materials	-	-	-	2,000	250
	52603 Consulting/Contractor Fee	31,116	12,951	23,500	33,500	19,000
	52604 Legal Fees	100,052	36,002	51,000	55,000	102,500
	52609 Temporary Labor	51	-		-	-
	52706 Dues, Publctns, Spnrsrshp	532	539	250	750	1,200
	52709 Advertising/Legal Notices	1,748	2,975	3,000	2,000	5,000
52710 Supplies	2,335	9,128	3,100	10,000	10,000	

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
10117 Human Resources	52711 Education/Training/Meals	2,207	3,540	4,500	7,500	5,000
	52713 Utilities	254	314	960	960	960
10117 Human Resources Total		375,760	429,382	486,332	512,387	583,842
10118 Information Services	51101 Salary	257,029	271,753	300,337	300,337	303,998
	51105 Overtime	7,965	5,991	10,000	5,000	10,000
	51106 Double Time		761	500	-	-
	51306 Short Term Disability			400	-	501
	51308 EE Assistance Plan	74	6	78	78	-
	51310 Medicare	3,922	3,140	4,355	4,355	4,408
	51311 Pension	50,350	77,278	96,108	96,108	107,645
	51312 Health Insurance	39,261	48,550	50,374	71,512	78,663
	51313 Life Insurance	2,364	2,558	2,458	2,458	2,488
	51314 Dental Insurance	2,063	2,063	4,424	4,424	4,646
	51315 Vision Insurance	563	563	565	565	582
	51316 Long-T Disability	593	468	1,352	1,352	1,368
	51317 Workers Comp	1,027	723	2,102	2,102	2,128
	52501 Chemicals	341	327	350	200	350
	52503 Equipment Maintenance	85,754	137,256	143,300	143,300	431,975
	52506 Small Tools		-	250	500	500
	52603 Consulting/Contractor Fee	-	91,811	143,924	143,924	25,000
	52609 Temporary Labor	-	54,791	10,000	30,000	-
	52706 Dues, Publctns, Spnsrshp	160	260	-	320	360
	52710 Supplies	68,860	15,676	66,300	85,300	105,700
	52711 Education/Training/Meals	657	312	500	4,500	4,500
	52713 Utilities	7,447	9,317	27,950	27,950	27,950
52904 Equipment Purchases	6,660	21,332	72,500	72,500	35,000	

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
10118 Information Services Total		535,089	744,935	938,127	996,785	1,147,762
10119 Safety	51101 Salary	-	-	141,148	141,148	151,664
	51306 Short Term Disability	-	-	334	334	334
	51308 EE Assistance Plan	-	-	52	52	-
	51310 Medicare	-	-	2,047	2,047	2,199
	51311 Pension	-	-	45,171	45,171	53,689
	51312 Health Insurance	-	-	-	47,675	52,442
	51313 Life Insurance	-	-	1,155	1,155	1,241
	51314 Dental Insurance	-	-	2,950	2,950	3,097
	51315 Vision Insurance	-	-	377	377	388
	51316 Long-T Disability	-	-	635	635	682
	51317 Workers Comp	-	-	7,362	7,362	12,133
	52505 Safety	-	-	10,000	17,400	17,400
	52603 Consulting/Contractor Fee	-	-	62,000	62,000	76,500
	52609 Temporary Labor	-	-	7,500	15,000	15,000
	52706 Dues, Publctns, Spnsrshp	-	-	-	2,000	2,000
	52711 Education/Training/Meals	-	-	-	2,800	2,800
	52713 Utilities	-	-	2,300	2,300	2,300
10119 Safety Total		-	-	283,031	350,406	393,869
10131 Cashiering	51101 Salary	92,284	89,612	105,941	105,941	104,335
	51105 Overtime	101	368	100	-	500
	51306 Short Term Disability		354	422	422	422
	51308 EE Assistance Plan	50	4	52	52	-
	51310 Medicare	1,367	1,210	1,536	1,536	1,513
	51311 Pension	18,105	25,283	33,901	33,901	36,935

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
10131 Cashiering	51312 Health Insurance	39,045	41,156	48,582	47,675	52,521
	51313 Life Insurance	866	819	867	867	854
	51314 Dental Insurance	2,950	2,581	2,950	2,950	3,097
	51315 Vision Insurance	375	328	377	377	388
	51316 Long-T Disability	278	231	477	477	470
	51317 Workers Comp	367	242	742	742	730
	52503 Equipment Maintenance	3,549	5,597	9,000	9,000	7,000
	52710 Supplies	2,870	4,692	5,000	5,000	5,000
	52711 Education/Training/Meals	-	-	-	600	600
10131 Cashiering Total		162,207	172,477	209,947	209,539	214,365
10133 Customer Service	51101 Salary	344,784	432,680	610,773	617,864	669,060
	51105 Overtime	2,089	3,253	6,000	-	3,000
	51106 Double Time	-	709	100	-	-
	51144 Standby			1,000	-	-
	51306 Short Term Disability		819	1,043	1,043	1,043
	51308 EE Assistance Plan	168	14	260	260	-
	51310 Medicare	4,941	5,893	8,959	8,959	9,701
	51311 Pension	67,726	127,765	197,717	197,717	236,847
	51312 Health Insurance	122,389	144,147	186,897	238,373	262,606
	51313 Life Insurance	3,197	3,851	5,057	5,057	5,476
	51314 Dental Insurance	9,386	10,240	14,748	14,748	15,485
	51315 Vision Insurance	1,250	1,404	1,884	1,884	1,941
	51316 Long-T Disability	999	1,017	2,780	2,780	3,011
	51317 Workers Comp	1,458	1,492	4,550	4,550	4,922
	52501 Chemicals	8,903	9,820	5,000	5,000	10,000
52503 Equipment Maintenance	11,094	1,554	5,000	10,000	10,000	

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
	52504 Materials	2,841	3,545	33,300	53,300	59,400
	52505 Safety	-	-	1,000	1,000	1,000
	52506 Small Tools	502	267	1,000	2,000	2,000
	52603 Consulting/Contractor Fee	-	72,618	137,500	192,500	142,500
	52608 Fed/St/Co Fees			-	-	10,000
	52609 Temporary Labor	17,322	474		-	-
	52710 Supplies	85,818	88,514	240,000	240,000	232,500
	52711 Education/Training/Meals	425	195	-	1,500	2,400
	52713 Utilities	343	359	500	500	500
	52804 Bank Fees	4,034	15,843	18,887	-	18,000
	52902 Vehicle Purchases	-	-	38,572	40,000	41,900
	52904 Equipment Purchases	-	-	9,936	10,000	5,000
10133	Customer Service Total	689,666	926,475	1,532,464	1,649,035	1,748,292
10135	Accounting					
	51101 Salary	479,950	524,179	595,459	595,459	628,426
	51105 Overtime	14,377	10,999	12,000	6,500	13,000
	51306 Short Term Disability		1,267	1,302	1,302	1,302
	51308 EE Assistance Plan	168	12	182	182	-
	51310 Medicare	7,880	7,259	8,634	8,634	9,112
	51311 Pension	87,810	160,766	190,547	190,547	222,463
	51312 Health Insurance	110,396	106,462	116,818	166,861	183,547
	51313 Life Insurance	4,179	4,386	4,873	4,873	5,143
	51314 Dental Insurance	6,052	6,408	10,324	10,324	10,840
	51315 Vision Insurance	1,109	1,204	1,319	1,319	1,358
	51316 Long-T Disability	1,083	924	2,680	2,680	3,828
	51317 Workers Comp	1,123	1,420	4,168	4,168	5,399
	52503 Equipment Maintenance	-	-	-	-	3,000

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
	52603 Consulting/Contractor Fee	66,291	130,243	140,291	169,881	144,100
	52609 Temporary Labor	163,337	41,084	4,400	20,000	-
	52706 Dues, Publctns, Spnsrshp	775	589	500	600	1,180
	52710 Supplies	3,986	4,372	562	1,500	-
	52711 Education/Training/Meals	13,746	9,549	7,257	8,000	4,450
	52804 Bank Fees	41,612	42,926	44,026	40,000	22,500
	52904 Equipment Purchases	-	4,906		-	-
10135 Accounting Total		1,003,875	1,058,956	1,145,342	1,232,830	1,259,648
10151 Engineering	51101 Salary	1,635,021	1,685,050	1,804,873	1,804,873	1,843,914
	51105 Overtime	21,854	31,548	10,000	10,000	25,000
	51201 Temporary Salary			188,982	-	-
	51306 Short Term Disability		1,733	1,800	1,800	1,800
	51308 EE Assistance Plan	455	36	468	468	-
	51310 Medicare	23,955	20,214	26,171	26,171	26,737
	51311 Pension	323,414	491,119	577,559	577,559	652,746
	51312 Health Insurance	317,090	360,905	378,525	429,071	472,691
	51313 Life Insurance	14,870	15,044	14,771	14,771	15,091
	51314 Dental Insurance	19,818	20,172	26,546	26,546	27,874
	51315 Vision Insurance	3,439	3,314	3,391	3,391	3,493
	51316 Long-T Disability	3,601	2,746	8,122	8,122	8,298
	51317 Workers Comp	41,265	37,795	79,203	79,203	87,316
	52501 Chemicals	11,007	12,615	8,000	-	15,000
	52503 Equipment Maintenance	7,951	30,666	40,000	60,000	40,000
	52504 Materials	46,839	41,014	130,000	150,000	100,000
	52505 Safety	10,025	907	1,500	2,500	5,000
	52506 Small Tools	1,291	1,265	2,500	2,500	2,000

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
	52603 Consulting/Contractor Fee	353,253	548,722	679,612	430,000	440,000
	52608 Fed/St/Co Fees	2,731	123	-	-	-
	52609 Temporary Labor	54,305	53,536	10,000	150,000	100,000
	52706 Dues, Publctns, Spnsrshp	17,284	10,365	18,000	20,000	15,000
	52709 Advertising/Legal Notices	712	-	-	-	-
	52710 Supplies	25,684	19,072	19,000	22,000	15,000
	52711 Education/Training/Meals	13,220	8,809	15,000	20,000	15,000
	52713 Utilities	737	630	800	800	700
	52901 Land/Easement Purchases	34,165	13,568	40,750	40,750	30,000
	52902 Vehicle Purchases	92,057	31,521	-	30,000	30,000
	52904 Equipment Purchases	11,073	-	17,000	22,000	10,000
10151	Engineering Total	3,087,115	3,442,487	4,102,573	3,932,525	3,982,660
10171	Water Operations					
	51101 Salary	3,084,530	3,305,071	3,340,525	3,367,881	3,535,965
	51105 Overtime	47,415	35,627	35,000	50,000	50,000
	51106 Double Time	63,783	23,911	25,000	60,000	60,000
	51144 Standby	147,814	155,495	140,000	140,000	140,000
	51201 Temporary Salary			89,806	33,280	33,280
	51306 Short Term Disability		6,423	6,923	6,923	6,923
	51308 EE Assistance Plan	1,067	86	1,118	1,118	-
	51310 Medicare	48,348	35,205	48,834	48,834	51,271
	51311 Pension	599,756	886,608	977,701	1,077,722	1,251,732
	51312 Health Insurance	781,427	899,421	898,476	1,025,003	1,129,206
	51313 Life Insurance	28,008	29,566	27,563	27,563	28,923
	51314 Dental Insurance	53,599	54,573	63,416	63,416	66,587
	51315 Vision Insurance	8,065	8,005	8,101	8,101	8,344
	51316 Long-T Disability	8,016	6,573	15,155	15,155	15,912

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
	51317 Workers Comp	128,526	120,404	239,489	239,489	243,522
	52501 Chemicals	297,498	364,869	365,000	325,000	420,000
	52503 Equipment Maintenance	258,500	312,857	479,000	504,500	435,000
	52504 Materials	347,613	466,902	400,000	351,500	334,500
	52505 Safety	19,991	7,963	33,000	38,000	33,600
	52506 Small Tools	14,942	23,239	25,000	29,500	29,500
	52507 Water Purchase	-	-	-	300,000	100,000
	52603 Consulting/Contractor Fee	197,428	87,216	255,065	265,065	293,500
	52608 Fed/St/Co Fees	203,413	301,543	399,200	399,200	382,450
	52609 Temporary Labor	57,605	23,839	-	66,720	66,720
	52706 Dues, Publctns, Spnsrshp	5,023	4,780	7,000	9,000	7,700
	52709 Advertising/Legal Notices	945	-	-	-	-
	52710 Supplies	4,518	9,138	35,000	8,000	18,000
	52711 Education/Training/Meals	14,375	28,510	18,523	35,000	35,000
	52713 Utilities	941,106	975,937	1,016,000	1,016,000	1,080,000
	52902 Vehicle Purchases	182,819	162,943	192,931	193,000	204,000
	52904 Equipment Purchases	213,958	285,900	228,000	283,000	179,000
	52915 Projects: Non-Programmatic	145,513	120,929	171,651	105,000	65,000
	52930 Program: Chemicals Tanks & Pads	-	-	175,000	175,000	135,000
	52931 Program: Clarifiers	-	-	30,000	30,000	15,000
10171 Water Operations Total		7,905,605	8,743,535	9,747,478	10,297,971	10,455,635
10191 Maintenance	51101 Salary	3,461,253	3,849,074	3,696,951	3,758,201	4,197,189
	51105 Overtime	46,803	38,491	30,000	30,000	30,000
	51106 Double Time	11,394	13,099	15,000	15,000	15,000
	51201 Temporary Salary	-	-	140,000	-	167,000
	51306 Short Term Disability	-	7,526	7,139	7,139	7,623

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
10191 Maintenance	51308 EE Assistance Plan	1,528	131	1,534	1,534	-
	51310 Medicare	50,590	44,513	54,494	54,494	60,859
	51311 Pension	673,288	1,097,661	1,062,290	1,202,624	1,485,805
	51312 Health Insurance	1,007,545	1,224,249	1,210,530	1,406,400	1,654,418
	51313 Life Insurance	31,905	34,821	30,757	30,757	34,350
	51314 Dental Insurance	69,817	73,579	87,013	87,013	97,558
	51315 Vision Insurance	11,050	11,957	11,116	11,116	12,225
	51316 Long-T Disability	9,919	9,030	16,912	16,912	18,887
	51317 Workers Comp	167,541	168,309	292,459	292,459	327,370
	52501 Chemicals	524,781	496,125	201,500	200,000	250,000
	52503 Equipment Maintenance	73,627	141,289	40,000	87,800	104,000
	52504 Materials	1,100,588	1,573,109	1,295,000	1,375,000	1,399,000
	52505 Safety	29,894	20,861	30,300	28,300	28,300
	52506 Small Tools	36,300	46,709	42,000	55,500	54,500
	52603 Consulting/Contractor Fee	518,970	293,015	179,000	154,000	164,000
	52604 Legal Fees	-	1,728	32	4,000	4,000
	52608 Fed/St/Co Fees	20,130	19,460	25,000	20,000	25,000
	52609 Temporary Labor	191,401	202,691	150	185,000	-
	52706 Dues, Publctns, Spnsrshp	1,903	1,075	-	21,600	21,984
	52710 Supplies	3,724	2,247	7,000	11,500	16,200
	52711 Education/Training/Meals	21,137	13,143	14,700	15,700	15,700
	52713 Utilities	14,351	11,520	25,300	28,000	29,200
	52902 Vehicle Purchases	167,896	812,239	267,769	231,769	447,481
	52904 Equipment Purchases	218,657	173,550	389,844	341,700	240,357
	52915 Projects: Non-Programmatic	126,657	516,737	355,000	155,000	450,000
	52916 Program: Diversion, Holding Structures				-	300,000
52940 Program: Tank Restoration			-	240,000	400,000	

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
10191 Maintenance	52941 Program: Road Restoration	-	210,000	210,000	210,000	150,000
	52942 Program: Pipeline Restoration	-	240,000	240,000	240,000	350,000
	52943 Program: Canal Restoration	-			-	100,000
10191 Maintenance Total		8,592,649	10,897,938	10,218,791	10,518,518	12,658,006
10192 Vegetation	51101 Salary	-	407,449	407,449	407,449	422,099
	51201 Temporary Salary		22,080	-	-	35,000
	51306 Short Term Disability	-	726	726	726	726
	51308 EE Assistance Plan	-	156	156	156	-
	51310 Medicare	-	5,908	5,908	5,908	6,120
	51311 Pension	-	130,384	130,384	130,384	149,423
	51312 Health Insurance	-	126,121	143,024	143,024	157,564
	51313 Life Insurance	-	3,335	3,335	3,335	3,454
	51314 Dental Insurance	-	8,849	8,849	8,849	9,291
	51315 Vision Insurance	-	1,130	1,130	1,130	1,164
	51316 Long-T Disability	-	1,834	1,834	1,834	1,899
	51317 Workers Comp	-	44,819	44,819	44,819	46,431
	52501 Chemicals	-	255,000	270,000	270,000	255,000
	52503 Equipment Maintenance	-	2,000	2,200	2,200	2,200
	52504 Materials		5,000	45,000	45,000	18,000
	52505 Safety	-	1,500	2,700	2,700	2,700
	52603 Consulting/Contractor Fee	-	129,900	129,900	129,900	90,000
	52604 Legal Fees	-	1,000	1,000	1,000	1,000
	52609 Temporary Labor	-	-	-	45,000	-
	52706 Dues, Publctns, Spnsrshp	-	-	-	2,780	2,780
52710 Supplies	-	31	1,000	1,000	1,000	
52711 Education/Training/Meals	-	240	240	2,300	2,300	

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
10192 Vegetation	52713 Utilities	-	2,000	2,000	2,000	1,000
	52902 Vehicle Purchases	-	-	-	-	56,200
10192 Vegetation Total		-	1,149,462	1,251,494	1,251,494	1,265,351
10193 Purchasing	51101 Salary	309,267	333,323	354,346	354,346	368,624
	51105 Overtime	638	333	1,000	1,000	1,000
	51306 Short Term Disability	-	824	840	840	840
	51308 EE Assistance Plan	124	10	130	130	-
	51310 Medicare	4,501	3,828	5,138	5,138	5,345
	51311 Pension	60,391	95,007	113,391	113,391	130,493
	51312 Health Insurance	88,702	95,784	100,337	119,186	131,105
	51313 Life Insurance	2,876	3,097	2,900	2,900	3,017
	51314 Dental Insurance	5,658	5,658	7,374	7,374	7,743
	51315 Vision Insurance	938	938	942	942	970
	51316 Long-T Disability	924	770	1,595	1,595	1,659
	51317 Workers Comp	1,228	886	2,480	2,480	2,580
	52501 Chemicals	248	755	200	100	200
	52503 Equipment Maintenance	5,023	3,800	5,000	18,000	18,000
	52504 Materials	67,425	73,270	70,000	125,000	67,500
	52505 Safety	51,564	48,608	50,000	56,000	71,000
	52506 Small Tools	22,982	36,235	65,000	100,000	50,000
	52603 Consulting/Contractor Fee	23,702	35,763	110,000	110,000	110,000
	52609 Temporary Labor	-	-	-	5,000	-
	52706 Dues, Publctns, Spnsrshp	303	390	519	600	600
	52710 Supplies	39,257	50,508	8,500	18,500	18,500
	52711 Education/Training/Meals	586	-	-	5,000	5,000
52713 Utilities	64	441	1,500	1,500	1,500	

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
10193 Purchasing	52904 Equipment Purchases	5,836	-		-	-
10193 Purchasing Total		692,239	790,229	901,193	1,049,022	995,676
10195 Shop Operations	51101 Salary	177,070	160,365	221,082	230,882	250,680
	51105 Overtime	1,186	4,906	1,500	1,500	1,500
	51306 Short Term Disability		150	208	208	208
	51308 EE Assistance Plan	74	6	104	104	-
	51310 Medicare	2,648	1,901	3,348	3,348	3,635
	51311 Pension	34,652	46,317	64,882	73,882	88,741
	51312 Health Insurance	59,960	56,356	78,314	95,349	105,042
	51313 Life Insurance	1,676	1,208	1,890	1,890	2,052
	51314 Dental Insurance	3,710	3,211	5,899	5,899	6,194
	51315 Vision Insurance	547	422	754	754	776
	51316 Long-T Disability	541	315	1,039	1,039	1,128
	51317 Workers Comp	7,488	6,182	16,162	16,162	17,548
	52501 Chemicals	13,742	27,351	25,000	25,000	25,000
	52503 Equipment Maintenance	266,862	213,248	175,000	175,000	187,500
	52504 Materials	24,335	20,446	33,000	58,000	58,000
	52505 Safety	2,046	-	1,400	1,400	4,220
	52506 Small Tools	3,230	3,012	3,000	3,000	3,000
	52603 Consulting/Contractor Fee		-	-	-	-
	52609 Temporary Labor	23,588	36,708		-	-
	52706 Dues, Publctns, Spnsrshp		-	1,500	1,892	1,892
	52710 Supplies	69	10	1,500	2,500	2,500
	52711 Education/Training/Meals	180	20	1,500	3,500	3,500
	52713 Utilities	24,177	24,074	19,300	19,300	25,300
	52902 Vehicle Purchases	-	67,902		-	-

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
10195 Shop Operations	52904 Equipment Purchases	19,884	15,786	66,000	66,000	25,000
10195 Shop Operations Total		667,665	689,897	722,382	786,609	813,416
Operating Total		34,209,017	37,155,770	41,234,741	43,279,958	45,213,811

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Water Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
<u>Non Operating Budgets:</u>						
10114 Administration	52915 Projects: Non-Programmatic	395,893	597,751	314,030	10,000	100,000
10114 Administration Total		395,893	597,751	314,030	10,000	100,000
10115 Management	52915 Projects: Non-Programmatic	20,732	2,257,098	4,566,252	-	-
10115 Management Total		20,732	2,257,098	4,566,252	-	-
10118 Information Services	52915 Projects: Non-Programmatic	-	-	750,000	2,750,000	-
10118 Information Services Total		-	-	750,000	2,750,000	-
10119 Safety	52915 Projects: Non-Programmatic	-	-	-	20,000	20,000
10119 Safety Total		-	-	-	20,000	20,000
10151 Engineering	52907 Program: Pipeline Rplc	880,358	511,130	1,100,000	1,100,000	1,500,000
	52908 Program: PRV	47,572	77,870	160,000	160,000	160,000
	52910 Program: Raw Water Rplc	1,690,761	1,064,776	1,200,000	1,200,000	1,800,000
	52911 Program: Backbone Ext	744,136	2,615,982	1,000,000	1,000,000	1,000,000
	52912 Program: Community Inves	2,074,858	21,287	600,000	600,000	800,000
	52913 Program: Extended CEQA	121,504	22,814	375,833	200,000	-
	52914 Program: Sediment Removal	44,545	775,476	876,272	650,000	1,200,000
	52915 Projects: Non-Programmatic	10,575,055	8,425,617	24,635,000	24,635,000	5,850,000
10151 Engineering Total		16,178,788	13,514,951	29,947,106	29,545,000	12,310,000
Non Operating Total		16,595,413	16,369,800	35,577,388	32,325,000	12,430,000

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: Recreation Division

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
<u>Operating & Non Operating Budgets:</u>						
Operating	Revenues	2,261,743	2,376,305	2,450,400	2,470,124	2,657,126
	Expenses	1,948,036	2,150,332	2,117,164	2,427,160	2,535,524
	Operating Income	313,708	225,973	333,237	42,964	121,602
Non Operating	Revenues	200,000	315,000	315,000	315,000	315,000
	Expenses	343,876	795,512	303,000	315,000	315,000
	Non Operating Income	(143,876)	(480,512)	12,000	-	-
Net Income*		169,832	(254,539)	345,237	42,964	121,602

* See Cash Schedule for Reserve Impact

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: Recreation Division

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
Revenues						
Operating	Scotts Flat	937,755	969,632	1,137,657	1,025,036	1,194,540
	Long Ravine	537,884	586,169	531,663	635,416	558,246
	Orchard Springs	322,135	302,929	350,069	331,355	367,573
	Peninsula	240,820	227,357	231,333	252,156	242,900
	Jackson Meadow	145,668	205,983	115,042	145,899	205,000
	Greenhorn	37,944	39,875	43,053	39,668	45,206
	Combie	27,250	29,887	30,075	29,087	31,579
	Cascade Shores Gate	12,287	14,473	11,507	11,507	12,082
Operating Total		2,261,743	2,376,305	2,450,400	2,470,124	2,657,126
Non Operating	Transfer Ins - Capital	200,000	315,000	315,000	315,000	315,000
	Non Operating Total	200,000	315,000	315,000	315,000	315,000
Expenses						
Operating	30250 Recreation General	1,948,036	1,825,248	1,711,718	1,921,967	2,008,707
	30254 Jackson Meadows	-	325,084	405,446	505,192	526,817
Operating Total		1,948,036	2,150,332	2,117,164	2,427,160	2,535,524
Non Operating	30250 Recreation General	343,876	795,512	303,000	315,000	315,000
	Non Operating Total	343,876	795,512	303,000	315,000	315,000

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: Recreation Division

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
30250 Recreation General	51101 Salary	486,045	441,243	426,735	488,033	497,313
	51105 Overtime	5,514	5,359	5,000	5,000	5,000
	51201 Temporary Salary			324,405	-	211,640
	51306 Short Term Disability		397	406	406	406
	51308 EE Assistance Plan	195	16	182	182	-
	51310 Medicare	7,288	5,002	7,499	7,499	7,211
	51311 Pension	90,637	119,868	104,471	156,171	176,049
	51312 Health Insurance	110,012	104,186	103,251	166,861	183,547
	51313 Life Insurance	4,412	3,878	3,994	3,994	4,070
	51314 Dental Insurance	5,120	4,479	10,324	10,324	10,840
	51315 Vision Insurance	1,360	1,211	1,319	1,319	1,358
	51316 Long-T Disability	1,269	984	2,196	2,196	2,238
	51317 Workers Comp	26,171	21,147	41,372	41,372	39,785
	51321 Health Benefits Retirees	7,433	10,097	-	-	-
	51324 OPEB Net ARC	-	7,689	8,000	8,000	26,000
	52501 Chemicals	40,520	11,216	12,000	15,000	15,000
	52503 Equipment Maintenance	97,066	58,596	50,000	62,000	72,000
	52504 Materials	156,378	184,154	160,000	160,000	170,000
	52505 Safety	5,859	5,372	1,500	3,000	3,000
	52506 Small Tools	3,750	3,344	3,500	3,500	3,500
	52603 Consulting/Contractor Fee	14,272	28,557	30,000	30,000	30,000
	52604 Legal Fees	20,095	3,168	6,400	5,000	15,000
	52608 Fed/St/Co Fees	32,614	35,408	40,000	40,000	37,000
	52609 Temporary Labor	602,191	541,785	160,707	485,111	289,950
	52704 Insurance	14,637	11,259	16,000	16,000	13,000

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: Recreation Division

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
30250 Recreation General	52709 Advertising/Legal Notices	7,627	5,701	6,000	10,000	7,000
	52710 Supplies	4,365	8,919	10,000	12,500	10,000
	52711 Education/Training/Meals	531	-	40	300	300
	52713 Utilities	147,381	151,582	127,200	127,200	132,500
	52795 Rec-Customer Refunds	16,484	-	-	16,000	-
	52804 Bank Fees	38,809	45,298	49,219	45,000	45,000
	52904 Equipment Purchases	-	5,333	-	-	-
30250 Recreation General Total		1,948,036	1,825,248	1,711,718	1,921,967	2,008,707
30254 Jackson Meadows	51101 Salary	-	86,596	104,326	104,326	113,465
	51105 Overtime	-	2,392	3,000	3,000	3,000
	51201 Temporary Salary	-	-	45,000	-	28,600
	51306 Short Term Disability	-	-	50	-	116
	51308 EE Assistance Plan	-	-	52	52	-
	51310 Medicare	-	1,095	1,867	1,867	1,645
	51311 Pension	-	28,087	33,384	33,384	40,167
	51312 Health Insurance	-	28,205	25,318	47,675	52,442
	51313 Life Insurance	-	616	854	854	929
	51314 Dental Insurance	-	696	2,950	2,950	3,097
	51315 Vision Insurance	-	274	377	377	388
	51316 Long-T Disability	-	175	467	467	511
	51317 Workers Comp	-	4,624	10,301	10,301	9,077
	52501 Chemicals	-	135	3,000	5,000	5,000
	52503 Equipment Maintenance	-	29,790	10,000	10,000	10,000
	52504 Materials	-	4,252	10,000	20,000	30,000
52505 Safety	-	62	1,000	2,000	2,000	

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: Recreation Division

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
30254 Jackson Meadows	52506 Small Tools		7,895	1,000	2,000	2,000
	52603 Consulting/Contractor Fee	-	28,060	45,000	45,000	45,000
	52604 Legal Fees	-	5,581	15,000	15,000	3,000
	52608 Fed/St/Co Fees	-	6,847	6,000	6,000	9,000
	52609 Temporary Labor	-	69,560	55,000	162,440	138,380
	52704 Insurance				-	3,500
	52710 Supplies	-	-	1,500	2,500	500
	52713 Utilities	-	18,216	30,000	30,000	25,000
	52795 Rec-Customer Refunds			1,926	-	-
30254 Jackson Meadows Total		-	325,084	405,446	505,192	526,817
Operating Total		1,948,036	2,150,332	2,117,164	2,427,160	2,535,524
30250 Recreation General	52915 Projects: Non-Programmatic	343,876	795,512	303,000	315,000	315,000
30250 Recreation General Total		343,876	795,512	303,000	315,000	315,000
Non Operating Total		343,876	795,512	303,000	315,000	315,000

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Electric Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
<u>Operating & Non Operating Budgets:</u>						
Operating	Revenues	23,518,078	23,561,491	24,208,576	20,124,690	21,195,975
	Expenses	9,847,241	12,565,087	22,656,109	22,457,658	26,460,535
	Operating Income	13,670,837	10,996,404	1,552,467	(2,332,968)	(5,264,560)
Non Operating	Expenses	3,774,201	3,189,681	4,848,456	4,815,000	4,345,000
	Net Income*	9,896,637	7,806,723	(3,295,989)	(7,147,968)	(9,609,560)

* See Cash Schedule for Reserve Impact

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Electric Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
<u>Revenues</u>						
Operating	Chicago Park	9,974,214	10,112,024	10,292,592	8,755,841	8,887,180
	Dutch Flat	5,514,535	5,628,854	5,697,975	4,864,356	4,937,322
	Rollins	5,495,490	5,637,912	5,744,594	4,864,356	4,937,322
	Bowman	1,041,890	1,104,437	1,116,767	972,871	987,464
	Combie South	835,920	460,698	631,401	200,000	235,422
	Scotts Flat	385,852	383,747	508,414	250,000	239,964
	Combie North	217,633	180,099	149,615	150,000	108,000
	Bowman TL	52,542	53,720	67,217	67,266	65,000
	Deer Creek		-	-		798,301
Operating Total		23,518,078	23,561,491	24,208,576	20,124,690	21,195,975
<u>Expenses</u>						
Operating	50112 Hydro Admin	5,793,436	8,063,278	16,248,258	16,141,348	18,741,176
	50161 Hydro Operations	1,679,582	1,957,908	2,519,977	2,445,637	3,499,003
	50167 Hydro Maintenance	2,374,222	2,543,900	3,887,874	3,870,674	4,220,356
Operating Total		9,847,241	12,565,087	22,656,109	22,457,658	26,460,535
Non Operating	50112 Hydro Admin	3,774,201	3,189,681	4,848,456	4,815,000	4,345,000
Non Operating Total		3,774,201	3,189,681	4,848,456	4,815,000	4,345,000

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Electric Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
50112 Hydro Admin	51101 Salary	459,349	521,319	581,800	552,784	783,709
	51105 Overtime	586	1,123	2,000	2,000	2,000
	51106 Double Time	-	251	200	-	500
	51201 Temporary Salary			125,000	175,000	62,400
	51306 Short Term Disability		911	865	865	1,131
	51308 EE Assistance Plan	101	8	130	130	-
	51310 Medicare	6,540	6,080	8,015	8,015	11,364
	51311 Pension	88,500	146,909	195,520	176,891	277,433
	51312 Health Insurance	79,149	94,342	83,748	119,186	183,824
	51313 Life Insurance	6,426	6,837	4,524	4,524	6,414
	51314 Dental Insurance	4,636	5,537	7,374	7,374	10,840
	51315 Vision Insurance	763	875	942	942	1,358
	51316 Long-T Disability	811	715	2,488	2,488	3,527
	51317 Workers Comp	6,499	4,613	17,133	17,133	22,758
	51321 Health Benefits Retirees	146,565	125,938	-	-	-
	51324 OPEB Net ARC	-	61,246	63,000	63,000	99,000
	52501 Chemicals	63,562	73,516	87,000	75,000	85,000
	52503 Equipment Maintenance	12,545	10,946	35,000	56,000	56,000
	52504 Materials	9,342	5,132	15,000	25,000	20,000
	52505 Safety	47,633	31,856	53,250	86,000	6,000
	52506 Small Tools	1,714	531	3,500	5,000	5,000
52603 Consulting/Contractor Fee	959,025	1,335,444	2,260,000	2,055,000	1,382,000	
52604 Legal Fees	25,352	34,448	50,000	50,000	75,000	
52607 Franchise Fees	38,505	41,163	46,000	46,000	92,800	
52608 Fed/St/Co Fees	607,099	790,199	1,068,515	1,025,015	1,053,618	
52609 Temporary Labor	-	-	-	5,000	-	

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Electric Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
50112 Hydro Admin	52704 Insurance	220,768	237,195	220,000	220,000	220,000
	52706 Dues, Publctns, Spnsrshp	23,034	24,573	30,500	45,500	27,500
	52710 Supplies	10,674	14,834	25,000	27,000	26,000
	52711 Education/Training/Meals	15,864	22,701	4,753	21,000	30,000
	52713 Utilities	122,451	142,728	177,000	169,500	161,500
	52901 Land/Easement Purchases	-	-	40,000	100,000	75,000
	52902 Vehicle Purchases	41,037	-	40,000	-	40,000
	52904 Equipment Purchases	-	6,310	60,000	60,000	25,000
	54000 Transfer Out	2,794,908	4,315,000	10,940,000	10,940,000	13,894,500
50112 Hydro Admin Total		5,793,436	8,063,278	16,248,258	16,141,348	18,741,176
50161 Hydro Operations	51101 Salary	829,688	984,546	1,141,867	1,071,026	1,374,648
	51105 Overtime	66,345	46,704	50,000	75,000	75,000
	51106 Double Time	7,534	8,274	10,000	8,000	20,000
	51144 Standby	30,985	31,895	32,000	32,000	32,000
	51201 Temporary Salary			-	-	20,000
	51306 Short Term Disability		997	1,117	1,117	1,302
	51308 EE Assistance Plan	246	20	312	312	-
	51310 Medicare	13,597	11,819	15,530	15,530	19,932
	51311 Pension	162,822	286,699	391,791	342,728	486,625
	51312 Health Insurance	177,058	227,207	227,783	286,047	367,649
	51313 Life Insurance	7,954	9,093	8,765	8,765	11,250
	51314 Dental Insurance	12,200	13,682	17,698	17,698	21,680
	51315 Vision Insurance	1,839	2,049	2,261	2,261	2,717
	51316 Long-T Disability	2,164	1,704	4,820	4,820	6,186
	51317 Workers Comp	19,174	20,212	43,233	43,233	47,563

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Electric Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
50161 Hydro Operations	52501 Chemicals		836	1,000	1,000	1,000
	52503 Equipment Maintenance	51,427	26,029	125,100	125,100	107,100
	52504 Materials	21,009	60,068	46,000	46,000	46,000
	52505 Safety	-	369	11,700	-	35,000
	52506 Small Tools	9,296	10,374	12,500	12,000	12,000
	52603 Consulting/Contractor Fee	79,644	26,525	85,000	70,000	148,000
	52608 Fed/St/Co Fees	-	66,815	-	-	-
	52609 Temporary Labor	1,649	29,498	30,000	40,000	-
	52710 Supplies		-	1,500	3,000	5,000
	52711 Education/Training/Meals	29,346	8,790	30,000	60,000	40,000
	52713 Utilities	68	23	-	-	6,000
	52902 Vehicle Purchases	102,298	65,688	120,000	120,000	80,000
	52904 Equipment Purchases	53,240	17,993	100,000	50,000	532,351
	54000 Transfer Out	-	-	10,000	10,000	-
50161 Hydro Operations Total		1,679,582	1,957,908	2,519,977	2,445,637	3,499,003
50167 Hydro Maintenance	51101 Salary	879,941	1,053,636	1,138,225	1,158,225	1,377,052
	51105 Overtime	88,752	61,664	65,000	75,000	75,000
	51106 Double Time	8,649	3,767	8,000	8,000	16,000
	51201 Temporary Salary			39,831	-	99,840
	51306 Short Term Disability		1,594	1,789	1,789	1,862
	51308 EE Assistance Plan	254	22	312	312	-
	51310 Medicare	14,325	11,875	16,794	16,794	19,967
	51311 Pension	175,917	292,091	370,632	370,632	487,476
	51312 Health Insurance	164,907	197,665	195,200	286,047	367,649
	51313 Life Insurance	7,950	9,093	9,479	9,479	11,270

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Electric Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
50167 Hydro Maintenance	51314 Dental Insurance	11,777	12,182	17,698	17,698	21,680
	51315 Vision Insurance	1,884	2,046	2,261	2,261	2,717
	51316 Long-T Disability	2,225	1,676	5,212	5,212	6,197
	51317 Workers Comp	19,893	20,680	40,075	40,075	47,646
	52501 Chemicals	679	1,386	750	750	7,500
	52503 Equipment Maintenance	134,547	81,233	305,500	285,500	272,500
	52504 Materials	376,914	204,166	395,500	410,500	390,500
	52505 Safety	-	1,304	150	-	40,000
	52506 Small Tools	32,853	22,296	40,000	30,000	30,000
	52603 Consulting/Contractor Fee	217,551	251,588	502,500	552,500	555,500
	52609 Temporary Labor	3,288	75,790		81,900	-
	52710 Supplies	2,897	2,889	1,500	3,000	5,000
	52711 Education/Training/Meals	19,080	7,395	15,000	40,000	35,000
	52902 Vehicle Purchases	143,747	32,873	411,467	280,000	185,000
	52904 Equipment Purchases	66,193	194,987	275,000	165,000	165,000
54000 Transfer Out	-	-	30,000	30,000	-	
50167 Hydro Maintenance Total		2,374,222	2,543,900	3,887,874	3,870,674	4,220,356
Operating Total		9,847,241	12,565,087	22,656,109	22,457,658	26,460,535

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Electric Division**

		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
50112 Hydro Admin	52915 Projects: Non-Programmatic	612,669	720,919	750,000	1,250,000	250,000
	52920 Program: PH Improvements	1,326,047	1,512,326	1,730,000	1,615,000	1,585,000
	52921 Program: Reserv, Dam, Wa	1,835,485	956,436	1,468,456	800,000	1,595,000
	52922 Program: Lower Division Wa		-	450,000	450,000	450,000
	52923 Program: Upper Division Wa		-	450,000	450,000	200,000
	52924 Program: SCADA Com Upgrade		-	-	250,000	265,000
50112 Hydro Admin Total		3,774,201	3,189,681	4,848,456	4,815,000	4,345,000
Non Operating Total		3,774,201	3,189,681	4,848,456	4,815,000	4,345,000

Nevada Irrigation District
 Fiscal Year 2020
 Operating & Non Operating Budget: **Capital Projects**

<u>Department/Account</u>	<u>Priority</u>	<u>Project</u>	<u>Project Description</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
<u>10114 Administration</u>					
52915 Projects: Non-Programmatic				10,000	100,000
			Security and ADA Upgrades	10,000	100,000
<u>10118 Information Tech</u>					
52915 Projects: Non-Programmatic				2,750,000	-
			Financial System Upgrade	2,750,000	
<u>10119 Safety</u>					
52915 Projects: Non-Programmatic				20,000	20,000
			Safety Fall Protection/ Confined Space Facility	20,000	20,000
<u>10151 Engineering</u>					
52907 Program: Pipeline Replacement				1,100,000	1,500,000
	1	1037	Penn Valley Pipeline Phase 1-3		
	2	2070	Boreham/Gayle Lane		
	3	2270	Long Ravine Campground		
	4	2071	Lidster Ave & Country Club Terrace		
	5	6962	Highway 49 @ Christian Life Way		
	6	2314	Peninsula Campground		
	7	2323	Willura Acres (Lime Kiln)		
	8	2387	Jackson Meadows Campground		
	9	1005	Hughes Road		
	10	6930	Ridge Road-Sierra College Dr/Hughes Road		
	11	2182	North Day Road		
	12	2328	Jackson Meadows Aspen Campground		
	13	2324	Meadow Brook-Copper relocation		

Nevada Irrigation District
 Fiscal Year 2020
 Operating & Non Operating Budget: **Capital Projects**

<u>Department/Account</u>	<u>Priority</u>	<u>Project</u>	<u>Project Description</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
52908 Program: Pressure Reducing Valve Stations				160,000	160,000
<u>10151 Engineering</u>	1	2371	Dorsey Drive		
	2	2370	Berggren Lane		
	3	2369	Brewer #1		
	4	2368	Nancy Way		
	5	2316	Echo Ridge		
	6	2317	Slate Creek		
	7	2318	East Ridge		
	8	2320	McPhersons		
	9	2319	Glenwood		
	10	2367	Sunset		
	11	2366	Cedar Ridge		
	12	2365	Glenbrook		
52910 Program: Raw Water Replacement				1,200,000	1,800,000
	1	8099	Maben Canal		
	2	TBD	South Yuba		
	3	1031	Doty North Canal		
	4	1098	Santini Siphon		
	5	7809	Kyler Canal		
	6	2373	Pet Hill Canal		
	7	2372	Markell Spillway		
	8	2337	Smartsville		
	9	2329	China Drop Pipe		
	10	2056	Lester Canal Siphon		
	11	2391	Fawn Hill Canal		
52911 Program: Backbone Extension (\$500K funded from Capacity Fees)				1,000,000	1,000,000
	1	2255	E George to LWW Pipeline		
	2	2254	LWW to Smartsville Pipeline		

Nevada Irrigation District
 Fiscal Year 2020
 Operating & Non Operating Budget: **Capital Projects**

<u>Department/Account</u>	<u>Priority</u>	<u>Project</u>	<u>Project Description</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
<u>10151 Engineering</u>					
52912 Program: Community Investment				600,000	800,000
	1	2115	Iron Horse DFWLE (24 Parcels)		
	2	2180	Table Meadows DFWLE (41 Parcels)		
	3	2181	Loma Rica Drive DFWLE (38 Parcels)		
52913 Program: Extended CEQA				200,000	0
	1	6593-2	Cascade Canal-Banner Cascade		
	2	7809	Maben Phase 2 and 3		
52914 Program: Sediment Removal				650,000	1,200,000
	1	2090	Loma Rica Reservoir		
	2	6958	Newtown Reservoir		
	3	6963	Orr Creek Reservoir		
	4	8301	Combie Reservoir		
	5	8515	Greenhorn Creek-Rollins Reservoir		
	6	6877	Steephollow		
	7	2213	Dutch Flat Afterbay		
	8	2325	Union Reservoir		
	9	2326	Rex Reservoir		
52915 Projects: Non-Programmatic				24,635,000	5,850,000
	1	6746	Combie Phase I ByPass	19,960,000	
	2	6971	Alta Sierra Tank Replacement	2,000,000	5,000,000
	3	7032	Hemphill Fish Diversion	100,000	100,000
	4	6963	Orr Creek Reservoir-CEQA Repair	500,000	50,000
	5	2378	Loma Rica WTP Modify CT		100,000
	10	7013	Centennial Water Supply	1,775,000	500,000
	13	2321	LR WTP Pressure Vessel		100,000
		1071	Meade Canal Encasement	300,000	

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Capital Projects**

Department/Account	Priority	Project	Project Description	2019 Bud	2020 Bud
			10151 Engineering Total	29,545,000	12,310,000
			Water Total	32,325,000	12,430,000
<u>30250 Recreation</u>					
52915 Projects: Non-Programmatic				315,000	315,000
		2091	Boat Slips/Docks	190,000	215,000
			Transferring to 52503 Equipment & Water Fund 10	67,000	-
		2314	Peninsula Sewer System	30,000	30,000
		TBD	Roadway Restoration	10,000	20,000
		2020	Scotts Flat Office & Generator	10,000	10,000
		TBD	Roofing Upgrades	8,000	30,000
		2102	Ditch Tender House Upgrade	-	10,000
			Recreation Total	315,000	315,000
<u>50112 Hydro Admin</u>					
52915 Projects: Non-Programmatic				1,250,000	250,000
		2356	Scotts Flat Storage (BESS)	250,000	-
		6947	Loma Rica Powerhouse	500,000	-
		2084	New Hydro Office Property	500,000	250,000
52920 Program: PH Improvements				1,615,000	1,585,000
		2334	BPH Intertie Breaker		
		2402	CPPH Governor and Instrumentation Upgrade		
		2168	CSPH Electrical Upgrade		
		6943	CS Access Road		
		2290	DCPH Upgrade		
		2246	DFPH Fire Suppression System Upgrade		
		2348	DFPH Balance of Plant		

Nevada Irrigation District
 Fiscal Year 2020
 Operating & Non Operating Budget: **Capital Projects**

<u>Department/Account</u>	<u>Priority</u>	<u>Project</u>	<u>Project Description</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
<u>50112 Hydro Admin</u>		2351	RPH OCB Replacement		
		2393	RPH Balance of Plant		
		2394	RPH Relay Protection Improvements		
		2306	SFPH New CASIO Meter		
52921 Program: Reserv, Dam, Wa				800,000	1,595,000
	FERC	2007	French Dam New Gauging Station		
	DSOD, FERC	2360	French Dam Upstream lining, Training Wall		
	DSOD	201402	Combie Dam Stabilization		
		2094	Scotts Flat Dam Spillway Repair		
52922 Program: Lower Division Waterway				450,000	450,000
		2341	DF Canal Lining Replacement		
52923 Program: Upper Division Waterway				450,000	200,000
		2339	Rucker Spill Gate Replacement		
		2340	BSCNL Repair Upstream of Clear Creek Tunnel		
52924 Program: SCADA Communication Upgrade				250,000	265,000
		2355	DFPH HVPB-Forebay Fiber Optic		
		2389	CPHVP-Intake Fiber Optic		
			Electric Total	4,815,000	4,345,000
			District Total	37,455,000	17,090,000

Nevada Irrigation District
 Fiscal Year 2020
 Operating & Non Operating Budget: **Staffing**

<u>Department</u>	<u>Position Budget</u>	<u>2019 FTE</u>	<u>2020 FTE</u>
10113 Directors	Director	5	5
	Total Directors	5	5
10115 Management	Assistant General Manager	1	1
	Board Secretary	1	1
	General Manager	1	1
	Executive Management Assistant	1	1
	Records Management Assistant	1	1
	Office Assistant I	2	2
	Communication Specialist II	1	1
	Total Management	8	8
10116 Watershed	Environmental Resource Administrator	1	1
	Total Watershed	1	1
10117 Human Resources	Human Resources Representative I/II	2	2
	Human Resources Manager	1	1
	Total Human Resources	3	3
10118 Info Tech	IT Technician	1	1
	IT Analyst	1	1
	IT Administrator	1	1
	Total Info Tech	3	3
10119 Safety	Safety Analyst	1	1
	Safety Technician II	1	1
	Total Safety	2	2
10131 Cashiering	Cashier	2	2
	Total Cashiering	2	2
10133 Cust Service	Customer Service Administrator	1	1

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Staffing**

Department	Position Budget	2019 FTE	2020 FTE
10133 Cust Service	Business Service Technician II	1	1
	Customer Service Technician I/II	3	3
	Customer Service Representative I/II	3	2
	Dispatcher I	1	2
	Water Efficiency Technician I	1	1
	Total Customer Service		10
10135 Accounting	Accountant	1	1
	Controller	1	1
	Finance Analyst	1	1
	Finance Assistant I/II	2	2
	Finance Manager	1	1
	Sr Finance Assistant	1	1
	Total Accounting		7
10151 Engineering	Construction Inspector II	2	2
	Engineer Manager	1	1
	Engineer Technician I/II	3	3
	GIS Technician II	1	1
	Land Surveyor	1	1
	Survey Technician II	1	1
	Sr Survey Technician	1	1
	Management Assistant	1	1
	Right Of Way Agent II	1	1
	Sr Right Of Way Agent	1	1
	Senior Engineer	4	4
	Sr Engineer Technician	1	1
Total Engineering		18	18
10171 Water Operations	Water Superintendent	1	1
	Assistant Water Superintendent	1	1
	Water Distribution Supervisor	3	3

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Staffing**

Department	Position Budget	2019 FTE	2020 FTE
10171 Water Operations	Sr Water Distribution Operator	5	5
	Water Distribution Operator I/II	10	10
	Cross Con Control Technician I/II	1	2
	Electrical System Superintendent	1	1
	Electrical System Technician I/II	3	3
	Water Operations Manager	1	1
	Management Assistant	1	1
	Water Resources Superintendent	1	1
	Sr Operations Technician	1	
	Operations Technician II	1	
	Hydrographer I	1	2
	Treated Water Superintendent	1	1
	Water Treatment Supervisor	1	1
	Chief Water Treatment Operator	2	2
	Water Treatment Operator I/II	7	7
	Hydraulic Technician I	1	1
	Total Water Operations	43	43
10191 Maintenance	Equipment Operator	12	13
	Maintenance Supervisor	5	5
	Maintenance Manager	1	1
	Maintenance Superintendent	2	2
	Management Assistant	1	1
	Office Assistant I	1	1
	Sr Utility Worker	6	6
	Utility Worker I/II	31	32
	Sr Welder	1	1
	Welder II	1	1
	Total Maintenance	61	63
10192 Vegetation	Sr Vegetation Control Worker	1	1
	Vegetation Control Worker I/II	4	4

Nevada Irrigation District
 Fiscal Year 2020
 Operating & Non Operating Budget: **Staffing**

<u>Department</u>	<u>Position Budget</u>	<u>2019 FTE</u>	<u>2020 FTE</u>
10192 Vegetation	Assistant Maintenance Superintendent	1	1
	Total Vegetation	6	6
10193 Purchasing	Buyer	1	1
	Purchasing Supervisor	1	1
	Sr Storekeeper	1	1
	Storekeeper	2	2
	Total Purchasing	5	5
10195 Shop Operations	Equipment Mechanic Supervisor	1	1
	Equipment Mechanic I	2	2
	Equipment Service Worker	1	1
	Total Shop Operations	4	4
	Total Water Division	173	175
30250 Recreation General	Facility Ranger	1	1
	Recreation Assistant II	1	1
	Recreation Manager	1	1
	Senior Park Ranger	3	3
	Park Ranger	1	1
	Total Recreation General	7	7
30254 Jackson Meadows Division	Facility Ranger	1	1
	Senior Park Ranger	1	1
	Total Recreation Upper Division	2	2
	Total Recreation Division	9	9
50112 Hydro Administration	Hydro Manager	1	1
	Hydro Compliance Technician I	1	1
	Sr Engineer Dam Safety	1	1

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Staffing**

<u>Department</u>	<u>Position Budget</u>	<u>2019 FTE</u>	<u>2020 FTE</u>
50112 Hydro Administration	Management Assistant	1	1
	Assistant Engineer		1
	Hydro Compliance Admin	1	1
	Project Manager	1	1
	Total Hydro Admin	6	7
50161 Hydro Operations	Sr Hydro Plant Operator	2	2
	Hydro Generation Supervisor	1	1
	Hydro Plant Operator I/II	5	5
	Hydro Generation Superintendent	1	1
	Hydrographer	1	
	Hydrographer II	1	1
	Sr Hydrographer		1
	Hydro Water Systems Operator I	3	3
Total Hydro Ops	14	14	
50167 Hydro Maintenance	Hydro Maintenance Technician I/II	3	2
	Sr Hydro Maintenance Technician		1
	Hydro Maintenance Supervisor	1	2
	Hydro Electrical Machinist I/II	2	2
	Hydro Communications Technician II	1	1
	Sr Hydro Electrical Machinist	1	1
	Sr Hydro Systems Technician	1	
	Hydro Systems Technician II	1	1
	Hydro Communications Technician II	1	1
	Sr Hydro Systems Technician	1	1
Utility Worker II		2	
Total Hydroelectric	12	14	
Total Hydroelectric Division		32	35
District FTEs (excl Dir)		214	219

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Debt Service Coverage**

	<u>2019 Fcst</u>	<u>2020 Budget</u>	
<u>Revenues</u>			
Water Sales	\$ 24,990,537	\$ 26,919,806	
Hydro Receipts	24,208,576	21,195,975	
Property Taxes	12,738,713	13,120,875	
New Connect/Install	267,110	275,123	
Rents & Leases	184,872	190,418	
Standby	133,102	140,715	
Interest Income	1,350,000	1,100,000	
Reimb/Fees/Other	942,234	970,501	
Grants - Operating	685,825	600,000	
Transfer Ins - Operating	9,862,518	14,151,079	
Total Revenues	75,363,487	78,664,492	
Water Operating Budget	37,044,248	41,023,443	exclude debt service
Electric Operating Budget	22,656,109	26,460,535	
Total O&M Budget	59,700,357	67,483,978	
Net Revenues Avail for DS	15,663,130	11,180,514	
Debt Service			
2011A Revenue Bonds	1,503,850	1,501,225	
2016A Series	2,074,643	2,077,143	
CDPH Loan, Other	612,000	612,000	
Total Debt Service	4,190,493	4,190,368	
Net Revenue after Debt Service	\$ 11,472,637	\$ 6,990,146	
Debt Service Coverage	3.74	2.67	

Notes: Excludes Recreation Fund, Bond Proceeds & Capacity Fees

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Cash Reserves**

		<u>Water</u>	<u>DS, CapFees</u>	<u>2016A Bond</u>	<u>Recreation</u>	<u>Electric</u>	<u>Total Cash</u>	
2018 Unaudited Cash		11,423,039	6,010,785	12,522,962	710,335	58,452,409	89,119,530	
2019 Revenues Forecast		70,429,650	-	-	2,765,400	24,208,576	97,403,626	
2019 Expenses Forecast		76,812,128	-	-	2,420,164	27,504,565	106,736,857	
Net Income 2019		(6,382,479)	-	-	345,237	(3,295,989)	(9,333,231)	Considers Encumbr
Restricted Cash: Cap Fees, Bonds		-	(140,086)	(12,522,962)	-	-	(12,663,048)	
2019 Unaudited Cash		5,040,560	5,870,699	-	1,055,572	55,156,420	67,123,251	
<u>2019 Cash Breakdown:</u>								
<u>Policy 3040</u>	Restricted							Policy Amounts
3040.3.1	Capacity Fees	-	5,259,519	-	-	-	5,259,519	\$2M minimum
3040.3.2	Debt Service	-	611,180	-	-	-	611,180	Covenant Driven
3040.3.3	Bond/Loan/Fiduciary	-	-	-	-	-	-	Covenant Driven
Restricted Total		-	5,870,699	-	-	-	5,870,699	
Designated		0.75				1.41	6.00	
3040.4.1	Operating	2,449,401	-	-	269,820	9,820,629	12,539,850	Suspended
3040.4.2	Water Rate Stabilization	-	-	-	-	-	-	\$0 minimum
3040.4.3	Community Investment Stabilization	-	-	-	-	-	-	\$1.5M maximum
3040.4.4	Capital Improvement/Replacement	-	-	-	500,000	15,000,000	15,500,000	see below*
3040.4.4	Capital Improvement: FERC License	-	-	-	-	24,202,293	24,202,293	\$35M minimum
3040.4.5	Insurance and Catastrophic Occurrence	-	-	-	-	5,000,000	5,000,000	\$5 - 10M
3040.4.6	Watershed Stewardship	500,000	-	-	-	-	500,000	500K minimum
3040.4.7	Accrued Leave	1,091,159	-	-	35,752	133,498	1,260,409	50% liability
Designated Total		4,040,560	-	-	805,572	54,156,420	59,002,552	
Working Capital								
Operating Cash		1,000,000	-	-	250,000	1,000,000	2,250,000	
2019 Unaudited Cash		5,040,560	5,870,699	-	1,055,572	55,156,420	67,123,251	

* Minimum Reserves: Water - \$22M, Recreation - \$500K, Hydroelectric - \$15M

Nevada Irrigation District

Fiscal Year 2020

Operating & Non Operating Budget: **Cash Reserves**

		<u>Water</u>	<u>DS, CapFees</u>	<u>2016A Bond</u>	<u>Recreation</u>	<u>Electric</u>	<u>Total Cash</u>	
2019 Unaudited Cash		5,040,560	5,870,699	-	1,055,572	55,156,420	67,123,251	
2020 Revenues Budget		57,868,517	-	-	2,972,126	21,195,975	82,036,618	
2020 Expenses Budget		57,643,811	-	-	2,850,524	30,805,535	91,299,870	
2020 Operating Income		(866,168)	-	-	121,602	(9,609,560)	(10,354,126)	
2020 Non operating income		1,090,875	-	-	-	-	1,090,875	Considers Encumbr
Restricted Cash: Cap Fees, Bonds		-	(142,537)	-	-	-	(142,537)	
2020 Cash		5,265,266	5,728,162	-	1,177,174	45,546,860	57,717,462	
<u>2020 Cash Breakdown:</u>								
<u>Policy 3040</u>	Restricted							Policy Amounts
3040.3.1	Capacity Fees	-	5,116,982	-	-	-	5,116,982	\$2M minimum
3040.3.2	Debt Service	-	611,180	-	-	-	611,180	Covenant Driven
3040.3.3	Bond/Loan/Fiduciary	-	-	-	-	-	-	Covenant Driven
Restricted Total		-	5,728,162	-	-	-	5,728,162	
Designated		0.46				1.97	2.34	
3040.4.1	Operating	1,583,233	-	-	391,422	4,413,362	6,388,017	Suspended
3040.4.2	Water Rate Stabilization	-	-	-	-	-	-	\$0 minimum
3040.4.3	Community Investment Stabilization	-	-	-	-	-	-	\$1.5M maximum
3040.4.4	Capital Improvement/Replacement	1,090,875	-	-	500,000	15,000,000	16,590,875	see below*
3040.4.4	Capital Improvement: FERC License	-	-	-	-	20,000,000	20,000,000	\$35M minimum
3040.4.5	Insurance and Catastrophic Occurrence	-	-	-	-	5,000,000	5,000,000	\$5 - 10M
3040.4.6	Watershed Stewardship	500,000	-	-	-	-	500,000	500K minimum
3040.4.7	Accrued Leave	1,091,159	-	-	35,752	133,498	1,260,409	50% liability
Designated Total		4,265,267	-	-	927,174	44,546,860	49,739,300	
Working Capital								
Operating Cash		1,000,000	-	-	250,000	1,000,000	2,250,000	
2020 Cash		5,265,267	5,728,162	-	1,177,174	45,546,860	57,717,462	

* Minimum Reserves: Water - \$22M, Recreation - \$500K, Hydroelectric - \$15M

Nevada Irrigation District: 2020 Expense Account Help Guide

Operating Accounts, excl labor (511xx - 513xx)

Account	Account Title	Type of Expenditure
52501	Chemicals	Chemicals not for resale, fuel, oils, etc. Recreation resale is under 52504
52503	Equipment Maintenance	Maintenance/Lease/Rental of Equipment
52504	Materials	Consumable and resale items, except small tool & office supplies
52505	Safety	Equipment, material, supplies related to safety
52506	Small Tools	None safety related and less than \$5K
52507	Water Purchase	Purchase of external water
52603	Consulting/Contractor fees	Exclude Attorney & Staffing firms
52604	Legal Fees	Attorney fees
52607	Franchise Fees	Hydro specific 3rd Party fees
52608	Fed/St/Co Fees	Paid to governmental entity for rights, permits, licensure, etc.
52609	Temporary Labor	3rd party payments to Staffing firms
52704	Insurance	Insurance premiums, claim payments except Worker's Compensation
52705	Disadvantaged Customer	Financial rate assistance program
52706	Dues, Publications, Sponsors	Districtwide memberships, association fees, sponsorships
52709	Outreach/ Advertise/Notices	Job Vacancy, Newspaper, etc.
52710	Supplies	Includes computers/accessories/furniture and others (not under Materials 52504)
52711	Education, Training, Meals	Licenses, certs, degrees, etc. employee training, includes education reimbursement benefit
52713	Utilities	Telephone/Internet/Data/T1 lines, Gas, Electric, Sewer, Trash, Propane
52795	Customer Refunds	Recreation Department customer refunds
52804	Bank Fees	Bank, Trustee, Assessment District Admin Fees
52901	Land/Easements	Direct payments for cost of Land/Easement, not consultant fees
52902	Vehicle Purchases	Requiring DMV registration
52904	Equipment Purchases	Purchase of Equipment, except safety greater than or equal \$5K
54000	Transfer Out	Ensure proper sergregation of Accounting Fund's expenses
52915	Projects: Non-Programmatic	Capital expenses funded by operating revenues
52916	Program: Diversion, Holding Structures	Capital expenses funded by operating revenues
52930	Program: Chemical Tanks & Pads	Capital expenses funded by operating revenues
52931	Program: Clarifiers	Capital expenses funded by operating revenues
52940	Program: Tank Resotation	Capital expenses funded by operating revenues
52941	Program: Road Restoration	Capital expenses funded by operating revenues
52942	Program: Pipeline Restoration	Capital expenses funded by operating revenues
52943	Program: Canal Restoration	Capital expenses funded by operating revenues

Nevada Irrigation District: 2020 Expense Account Help Guide

Non Operating Accounts (Capital Programs and Projects)

Account	Account Title	Type of Expenditure
52907	Program: Pipeline Replacement	
52908	Program: Pressure Reducing Valve	
52910	Program: Raw Water Rplc	
52911	Program: Backbone Extension	
52912	Program: Community Investment	
52913	Program: Extended CEQA	
52914	Program: Sediment Removl	
52915	Projects: Non-Programmatic	Excludes Water (10171) and Mainteance (10191) Departments
52920	Program: PH Improvements	
52921	Program: Reserv, Dams, Waterways	
52922	Program: Lower Division Waterway	
52923	Program: Upper Division Waterway	
52924	Program: SCADA Commication Upgrade	

Nevada Irrigation District
Short-Term Cash Forecast: FY 2020

Forecast ⇨						Reconcile	
		2019	Q1 2020	Q2 2020	Q3 2020	Q4 2020	to Budget
UB MoneyMkt	-						Receipts 66,070,539
Wells Fargo	2,091,310						Disbursements 77,405,370
LAIF	14,633,211						Budget Rec - Disb (11,334,831)
Short-T Cash	\$ 16,724,521						Transfer Ins & Outs 971,579
							Interest Income 1,100,000
							Original Budget (9,263,252)
Wells Fargo/Tri Counties							
Budget Receipts		18,680,332	17,402,099	16,325,636	13,662,472		
Budget Disbursements		19,029,944	17,047,158	21,743,253	19,585,015		
LAIF Transfer Ins/(Outs)		300,000	(300,000)	5,400,000	5,900,000		
Ending Balance		2,041,698	2,096,639	2,079,022	2,056,479		
LAIF							
Transfer Ins/(Outs) WF		(300,000)	300,000	(5,400,000)	(5,900,000)		
Transfer Ins/(Outs) UB		2,275,000	2,964,286	775,000	6,525,000		
Ending Balance		16,608,211	19,872,497	15,247,497	15,872,497		
Total Short-Term Cash		\$ 18,649,909	\$ 21,969,136	\$ 17,326,519	\$ 17,928,976		

Nevada Irrigation District

5 Year Financial Forecast

January 1, 2020 through December 31, 2024

Illustration Purposes Only:

5.72% Assumption



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Nevada Irrigation District

Illustrative Purposes Only: 5.72%

5 Year Financial Forecast (FY 2020 - 2024): Assumptions

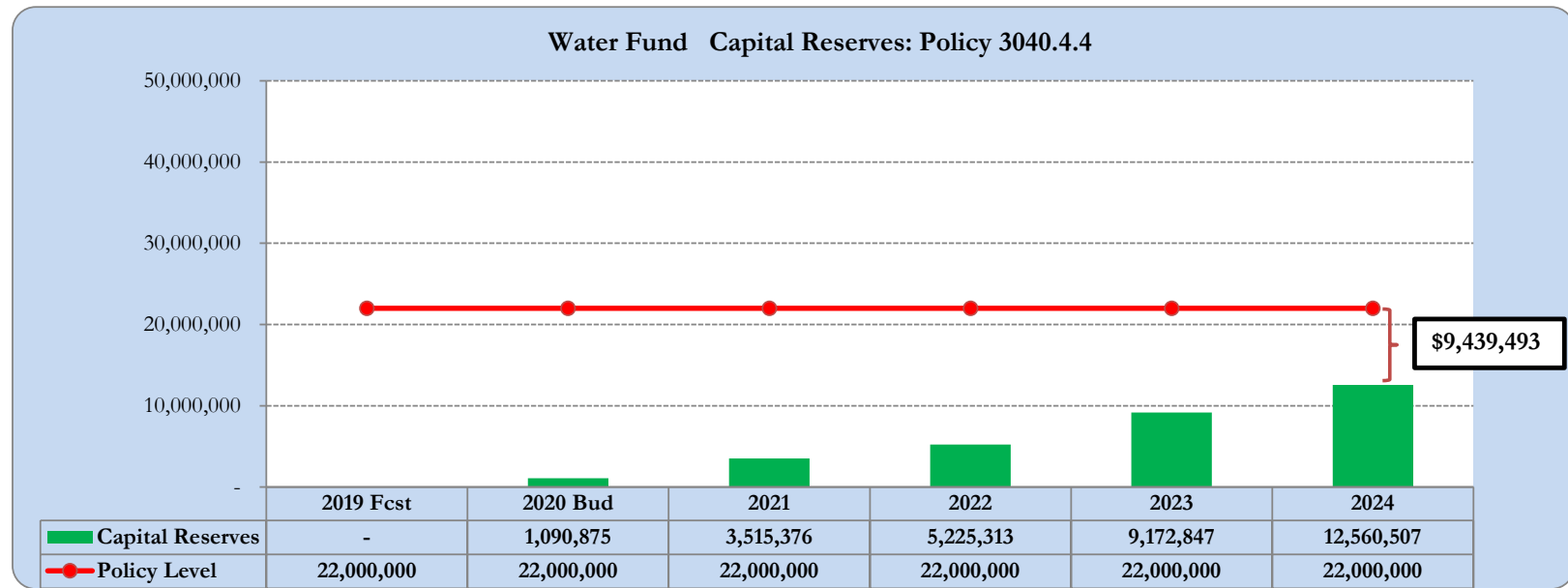
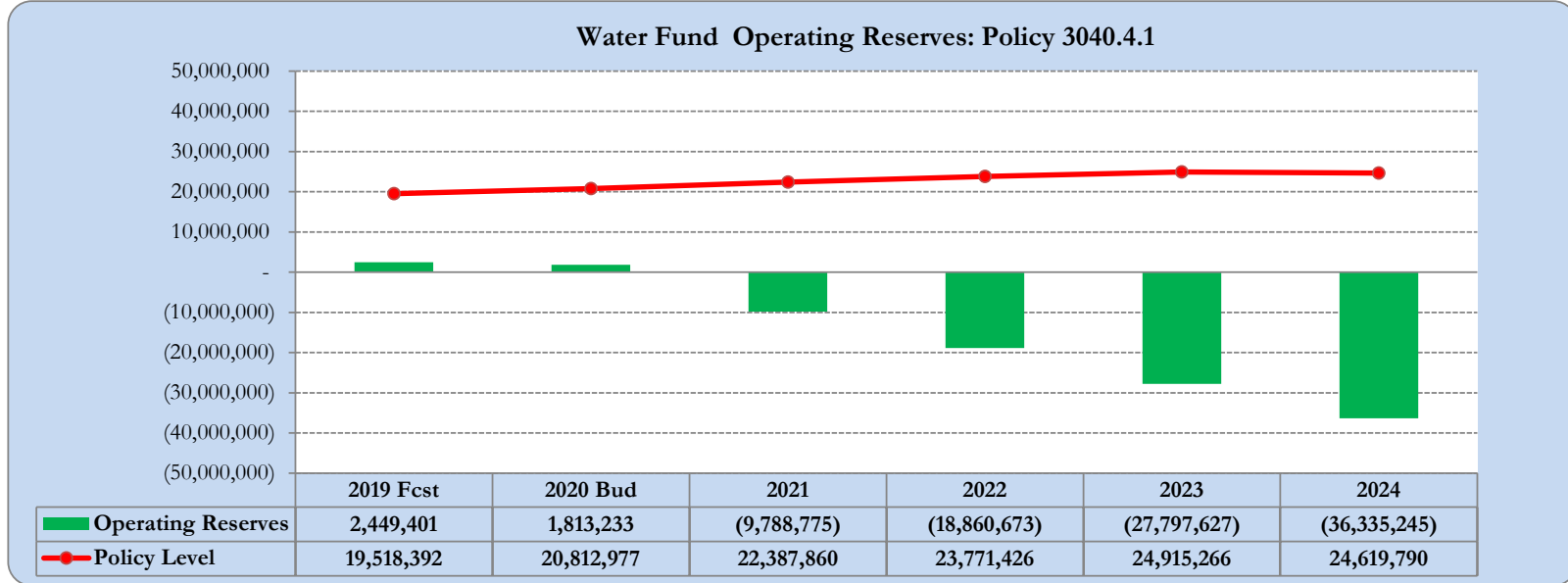
The objectives of the forecast are to demonstrate adequate water rates and sufficient revenue, compliance with debt-service-coverage and cash reserve levels after covering operating and capital project spending. The forecast is developed as closely as possible to a cash flow projection rather than a full accrual estimate, thus excluding receivables, payables, depreciation, amortization, and certain unrealized gains & losses. The details in this tool are used by management in forecasting receipts (revenues), disbursements (expenses) and cash reserves. The District maintains its' accounting system in accordance with Generally Accepted Accounting Principles (GAAP). The forecast period (2020 - 2024) uses the forecast year 2020 as its' base.

Years	2020	2021	2022	2023	2024	
<u>Revenues:</u>						
Water Rates		5.72%	5.72%	5.72%	5.72%	5.72%
Water Demand	2.0%	Based on 2010 - 2018 actuals				
Recreation Revenue		5%	5.0%	5.0%	5.0%	5.0%
Hydroelectric Revenue	2.4%	The District budgets 85% of actual revenue, however forecast based on expected cash				
Property Taxes	3%	FY 2013 - 2018 growth is 2.9%				
Other Revenue	4%	Includes New Connect/Install, Reimbursement/Fees, Rents & Leases, Standby				
Investment Income		Based on unrestricted reserve levels over period				
Transfer In	\$40,752,395	\$37,579,500 -- Hydro,		\$2,857,895 -- ADs & Cap Fees,		\$315,000 -- Recreation
Transfer In 2021A Bonds	\$35,214,936	Debt services through Hydro Fund, see anticipated service levels				
Transfer In Capacity Fees	\$3,492,895	Covers applicable Debt and expansion projects as Transfer In, unable to use to operate system				
<u>Expenditures:</u>						
Salaries	5.5%	COLA: 3.0%, Merits: 2.5%				
Benefits - Non PERS	5%	FY 2013 - 2018 growth is 7.1%				
Benefits - PERS	3.42%	35.40%	37.10%	38.80%	40.10%	40.50%
Benefits - OPEB	\$2,169,000	Based on June 2018 Actuarial				
Oper & Main	3.25%	2019 estimated CPI is 3.48%, Kipliner report states trade wars and election will keep inflation down				
Debt Service	\$20,951,840	2016A & 2011A Revenue Bonds, State Loan (Transfer In from CFD & Capacity Fees)				
New Debt	\$8,424,086	\$34.5 million in 2021 Water Revenue Bonds @4.5% for 30 Yrs				
Fixed Assets		2019 proposed Budget level				
Transfer Out	\$42,874,500	Hydroelectric Fund transfers into Water & Recreation Fund				
Capital Projects	\$103,323,745	Driven from detailed CIP schedule				
<u>Staffing Levels:</u>						
FTEs	219	Loaded at 2020 budget levels: Water (175), Recreation (9), Hydroelectric (35)				

Nevada Irrigation District

Illustrative Purposes Only: 5.72%

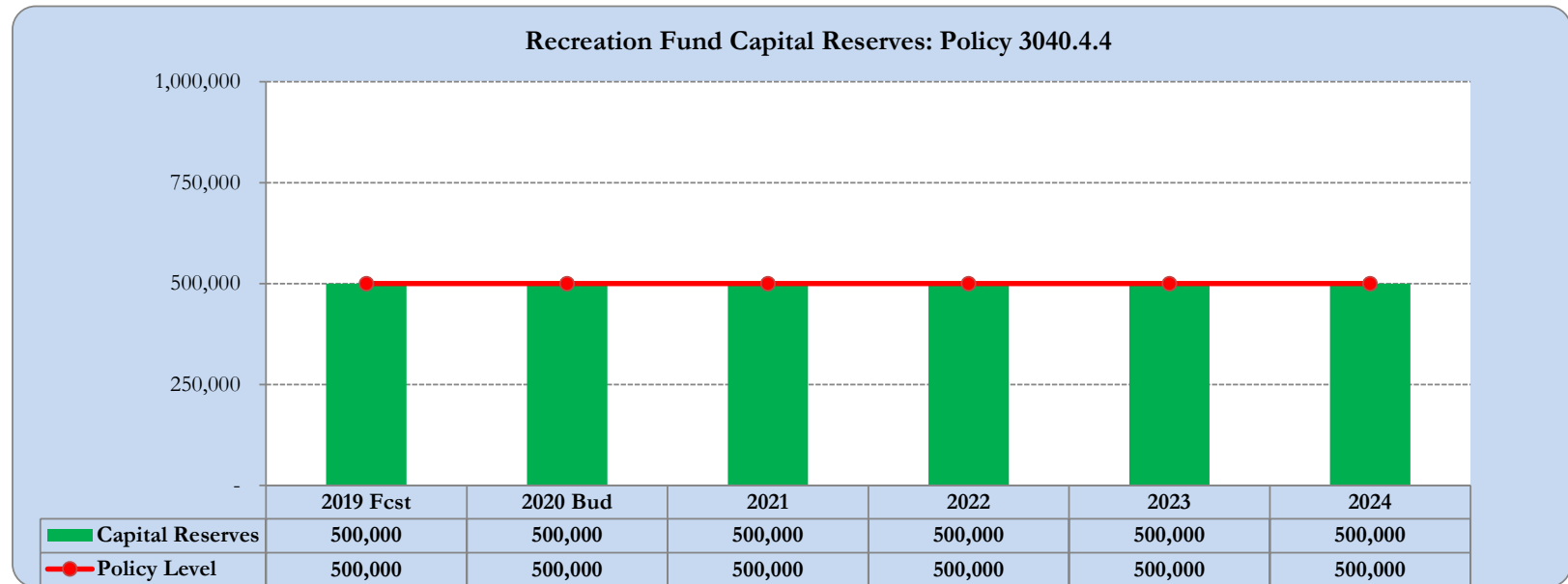
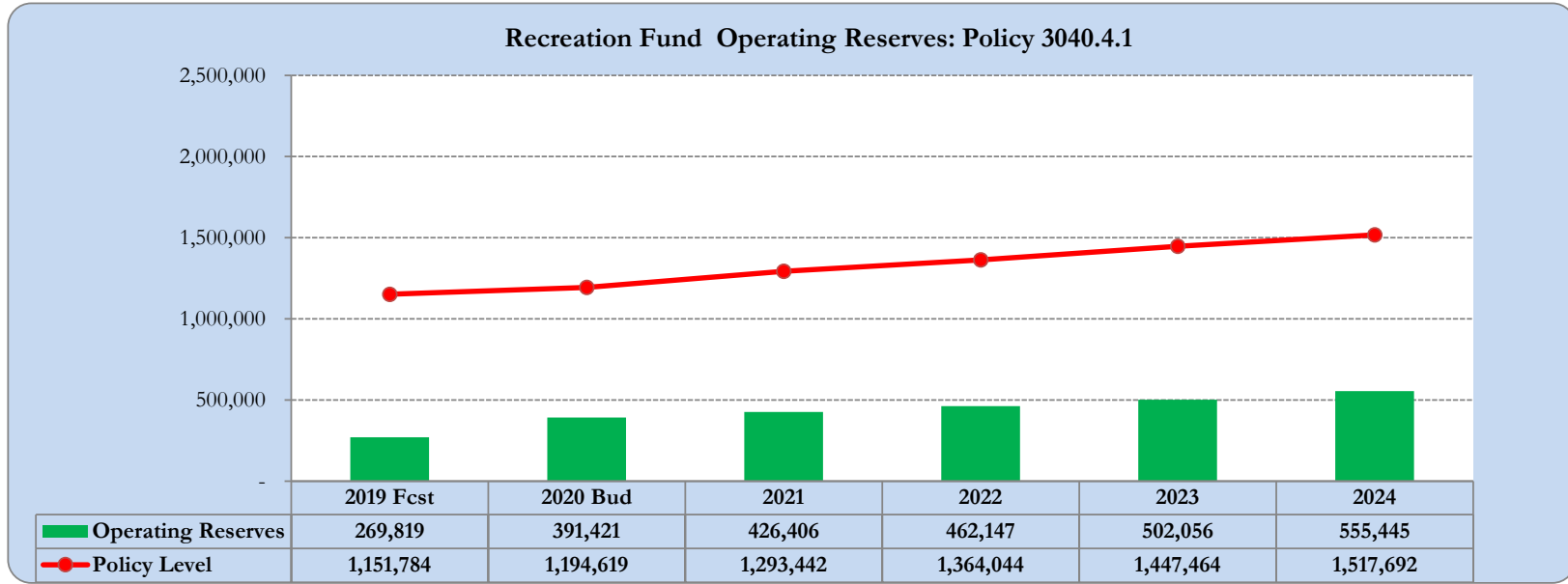
5 Year Financial Forecast (FY 2020 - 2024): Cash Reserves



Nevada Irrigation District

Illustrative Purposes Only: 5.72%

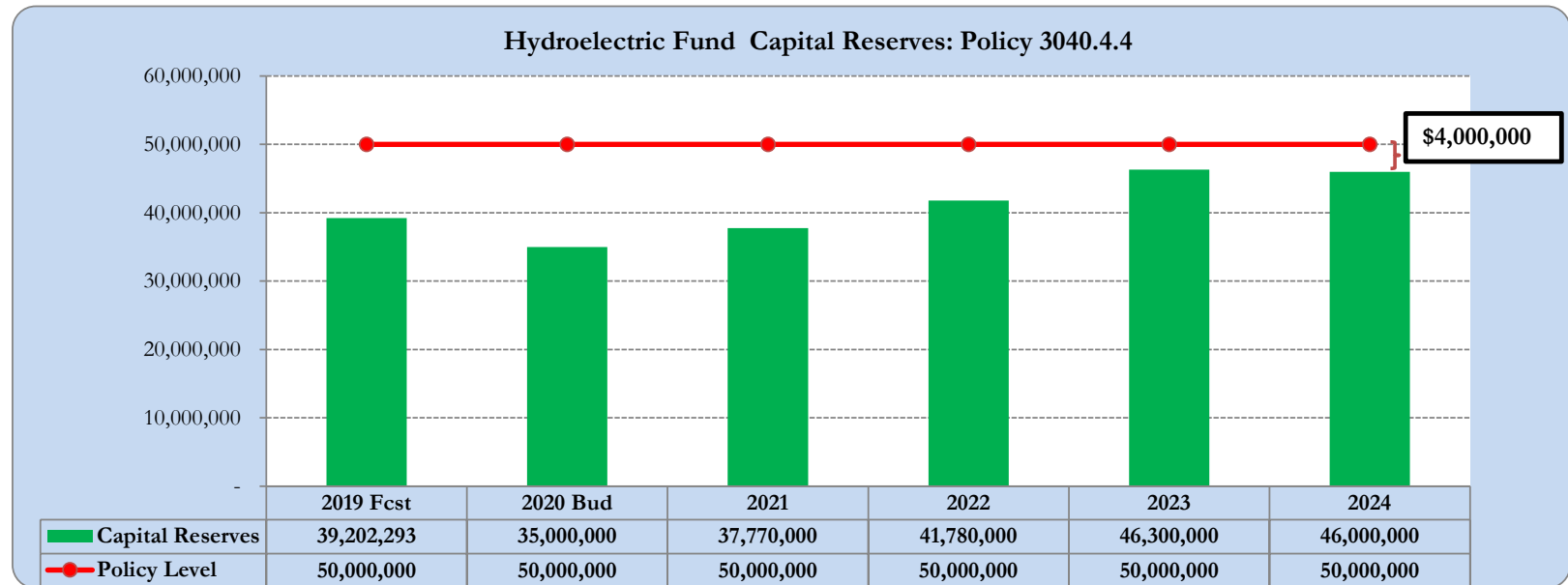
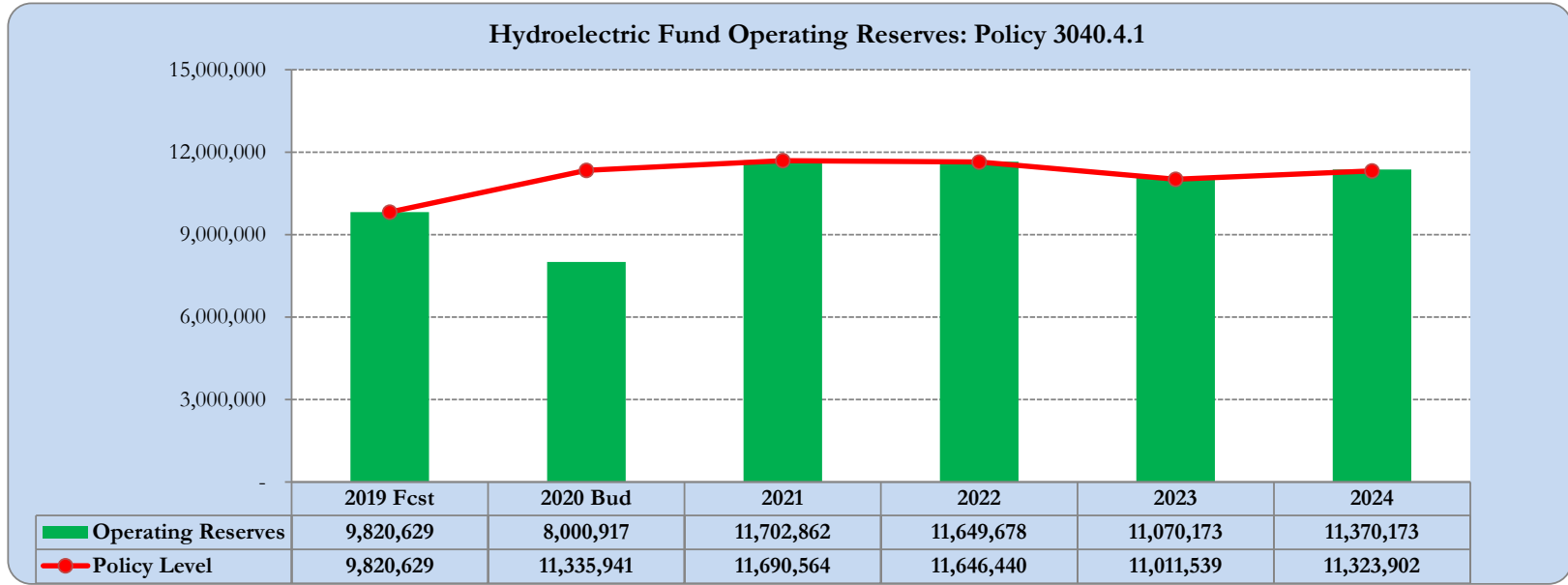
5 Year Financial Forecast (FY 2020 - 2024): Cash Reserves



Nevada Irrigation District

Illustrative Purposes Only: 5.72%

5 Year Financial Forecast (FY 2020 - 2024): Cash Reserves



Nevada Irrigation District

Illustrative Purposes Only: 5.72%

5 Year Financial Forecast (FY 2020 - 2024): Revenue & Expenses Statements

	2018	2019 Fest	2020 Bud	2021	2022	2023	2024
Water Division							
Operating revenue							
Water Sales	\$ 23,105,705	\$ 24,990,537	\$ 26,919,807	\$ 28,998,016	\$ 31,236,663	\$ 33,648,133	\$ 36,245,769
New Connect/Install	276,100	267,110	275,123	286,128	297,573	309,476	321,855
Reimburse/Fees/Other	1,164,618	942,234	970,501	1,009,321	1,049,694	1,091,682	1,135,349
Standby	132,092	133,102	140,715	146,344	152,197	158,285	164,617
Rents & Leases	148,778	184,872	190,418	198,035	205,956	214,194	222,762
Interest Income	1,152,904	1,350,000	1,100,000	972,245	925,510	866,545	848,888
Grants - Operating	1,266	685,825	600,000	300,000	300,000	300,000	300,000
Transfer Ins Debt Service	571,579	571,579	571,579	571,579	571,579	571,579	571,579
Transfer Ins Hydro	4,000,000	9,290,939	13,579,500	6,000,000	6,000,000	6,000,000	6,000,000
Total operating revenue	30,553,042	38,416,198	44,347,643	38,481,667	40,739,172	43,159,895	45,810,818
Operating expense							
Salaries	12,251,078	13,534,858	14,334,189	15,122,569	15,954,311	16,831,798	17,757,547
Benefits - Non PERS	5,192,543	5,992,250	7,232,025	7,593,626	7,973,308	8,371,973	8,790,572
Benefits - PERS	3,347,471	3,846,544	4,833,034	5,610,473	6,190,273	6,749,551	7,191,806
Benefits - OPEB Funding	421,065	342,000	342,000	342,000	342,000	342,000	342,000
Materials/Chemicals/Consultants	10,163,475	12,005,418	12,998,257	13,420,700	13,856,873	14,307,221	14,772,206
Debt Service	4,190,490	4,190,368	4,190,368	4,190,368	4,190,368	4,190,368	4,190,368
Fixed Assets	1,589,648	1,323,303	1,303,938	1,303,938	1,303,938	1,303,938	1,303,938
Total operating expense	37,155,770	41,234,741	45,233,811	47,583,675	49,811,070	52,096,849	54,348,437
Operating Net Income	(6,602,728)	(2,818,543)	(886,168)	(9,102,008)	(9,071,898)	(8,936,954)	(8,537,618)
Non operating revenue							
Property Taxes	12,331,723	12,738,713	13,120,875	13,514,501	13,919,936	14,337,534	14,767,660
Grants - Capital	2,053,216	4,849,739	-	-	-	-	-
Transfer In Bonds	5,262,000	13,050,000	-	-	-	-	-
Transfer In Capital	-	1,375,000	400,000	500,000	500,000	500,000	500,000
Total non operating revenue	19,646,939	32,013,452	13,520,875	14,014,501	14,419,936	14,837,534	15,267,660
Capital Projects	16,369,800	35,577,388	12,430,000	11,590,000	12,710,000	10,890,000	11,880,000
Non Operating Net Income	3,277,139	(3,563,936)	1,090,875	2,424,501	1,709,936	3,947,534	3,387,660
Water Net Income	\$ (3,325,589)	\$ (6,382,479)	\$ 204,707	\$ (6,677,507)	\$ (7,361,961)	\$ (4,989,420)	\$ (5,149,958)

Nevada Irrigation District

Illustrative Purposes Only: 5.72%

5 Year Financial Forecast (FY 2020 - 2024): Revenue & Expenses Statements

	2018	2019 Fest	2020 Bud	2021	2022	2023	2024
Recreation Division							
Operating revenue							
Recreation Fees	2,376,305	2,450,400	2,657,126	2,789,982	2,929,481	3,075,955	3,229,753
Operating expense							
Salaries	535,590	908,516	859,134	906,386	956,238	1,008,831	1,064,316
Benefits - Non PERS	187,084	212,728	317,544	333,421	350,092	367,597	385,977
Benefits - PERS	147,954	137,855	216,216	336,269	371,020	404,541	431,048
Benefits - OPEB Funding	7,689	8,000	26,000	26,000	26,000	26,000	26,000
Materials/Chemicals/Consultants	1,272,015	850,065	1,116,630	1,152,920	1,190,390	1,229,078	1,269,023
Total operating expense	2,150,332	2,117,164	2,535,524	2,754,997	2,893,740	3,036,047	3,176,364
Transfer In	315,000	315,000	315,000	-	-	-	-
Capital Projects	795,512	303,000	315,000	-	-	-	-
Recreation Net income	(254,539)	345,236	121,602	34,985	35,741	39,909	53,389
Hydroelectric Division							
Operating revenue							
Hydroelectric Fees	23,561,491	24,208,576	24,783,530	25,372,139	25,974,727	26,591,627	27,223,178
Operating expense							
Salaries	2,713,181	3,193,923	3,938,149	4,154,747	4,383,258	4,624,337	4,878,676
Benefits - Non PERS	789,472	735,557	1,198,483	1,258,407	1,321,328	1,387,394	1,456,764
Benefits - PERS	725,700	957,943	1,251,534	1,541,411	1,700,704	1,854,359	1,975,864
Benefits - OPEB Funding	61,246	63,000	99,000	99,000	99,000	99,000	99,000
Materials/Chemicals/Consultants	3,642,638	5,679,219	4,976,518	5,138,255	5,305,248	5,477,669	5,655,693
Debt Service	-	-	-	2,106,022	2,106,022	2,106,022	2,106,022
Fixed Assets	317,850	1,046,467	1,102,351	1,102,351	1,102,351	1,102,351	1,102,351
Transfer Outs (Water & Rec)	4,315,000	10,980,000	13,894,500	6,000,000	6,000,000	6,000,000	6,000,000
Total operating expense	12,565,087	22,656,109	26,460,535	21,400,193	22,017,911	22,651,132	23,274,369
Transfer In Bonds	-	-	-	6,585,000	15,295,000	12,605,000	729,936
Capital Projects	3,189,681	4,848,456	4,345,000	6,585,000	15,295,000	12,605,000	4,678,745
Hydroelectric Net income	7,806,723	(3,295,989)	(6,022,005)	3,971,946	3,956,816	3,940,495	(0)

Nevada Irrigation District

Illustrative Purposes Only: 5.72%

5 Year Financial Forecast (FY 2020 - 2024): Cash Reserves

		2019 Fcst	2020 Bud	2021	2022	2023	2024	
Water Division								
	FY 2018 Unrestricted Balance	11,423,039						
	FY 2018 Restricted Balance	18,533,746						
	Water Operating Net Income	(2,818,543)	(886,168)	(9,102,008)	(9,071,898)	(8,936,954)	(8,537,618)	
	Water Non Oper Net Income	(3,563,936)	1,090,875	2,424,501	1,709,936	3,947,534	3,387,660	
	Total Unrestricted	5,040,560	5,245,267	(1,432,240)	(8,794,201)	(13,783,621)	(18,933,579)	
	Total Restricted	5,870,698	5,728,161	33,383,129	18,327,059	5,697,508	4,722,004	
Cash Breakdown:								
<u>Policy</u>	<u>Restricted Reserves</u>							<u>Policy Amounts</u>
3040.3.1	Capacity Fee Balance	5,259,518	5,116,981	4,871,949	4,622,629	4,368,946	4,110,823	\$2M minimum
3040.3.2	Debt Service	611,180	611,180	611,180	611,180	611,180	611,180	Covenant Driven
3040.3.3	Bonds/Loans/Fiduciary	-	-	27,900,000	13,093,250	717,382	0	Covenant Driven
	Restricted Total	5,870,698	5,728,161	33,383,129	18,327,059	5,697,508	4,722,004	
	Designated Reserves	0.75	0.52	-2.62	-4.76	-6.69	-8.86	Oper Res months
3040.4.1	Operating	2,449,401	1,813,233	(9,788,775)	(18,860,673)	(27,797,627)	(36,335,245)	assume 6 months
3040.4.2	Water Rate Stabilization	-	-	-	-	-	-	\$0 minimum
3040.4.3	Community Investment Stabiliza	-	-	-	-	-	-	\$1.5M
3040.4.4	Capital Improvement/Replaceme	-	1,090,875	3,515,376	5,225,313	9,172,847	12,560,507	\$22M minimum
3040.4.5	Insurance and Catastrophic	-	-	2,500,000	2,500,000	2,500,000	2,500,000	\$2.5 - 5M
3040.4.6	Watershed Stewardship	500,000	500,000	500,000	500,000	500,000	500,000	\$500K minimum
3040.4.7	Accrued Leave	1,091,159	1,091,159	1,091,159	1,091,159	1,091,159	1,091,159	50% liability
	Designated Total	4,040,560	4,495,267	(2,182,240)	(9,544,201)	(14,533,621)	(19,683,579)	
	Working Capital							
3040.5.1	Operating Total	1,000,000	750,000	750,000	750,000	750,000	750,000	
	Water Total Urestricted	5,040,560	5,245,267	(1,432,240)	(8,794,201)	(13,783,621)	(18,933,579)	
	Water Total Restricted	5,870,698	5,728,161	33,383,129	18,327,059	5,697,508	4,722,004	

Nevada Irrigation District

Illustrative Purposes Only: 5.72%

5 Year Financial Forecast (FY 2020 - 2024): Cash Reserves

		2019 Fcst	2020 Bud	2021	2022	2023	2024	
Recreation Division								
	FY 2018 Balance	710,335						
	Recreation Net Income	345,236	121,602	34,985	35,741	39,909	53,389	
	Total Unrestricted	<u>1,055,571</u>	<u>1,177,173</u>	<u>1,212,158</u>	<u>1,247,899</u>	<u>1,287,808</u>	<u>1,341,197</u>	
Cash Breakdown:								
	Designated Reserves	1.41	1.97	1.98	2.03	2.08	2.20	
3040.4.1	Operating	269,819	391,421	426,406	462,147	502,056	555,445	Oper Res months assume 6 months \$500K minimum 50% liability
3040.4.4	Capital Improvement/Replaceme	500,000	500,000	500,000	500,000	500,000	500,000	
3040.4.7	Accrued Leave	35,752	35,752	35,752	35,752	35,752	35,752	
	Designated Total	805,571	927,173	962,158	997,899	1,037,808	1,091,197	
	Working Capital							
3040.5.1	Operating Cash	250,000	250,000	250,000	250,000	250,000	250,000	
	Recreation Total	<u>1,055,571</u>	<u>1,177,173</u>	<u>1,212,158</u>	<u>1,247,899</u>	<u>1,287,808</u>	<u>1,341,197</u>	

Nevada Irrigation District

Illustrative Purposes Only: 5.72%

5 Year Financial Forecast (FY 2020 - 2024): Cash Reserves

		2019 Fest	2020 Bud	2021	2022	2023	2024	
Hydroelectric Division								
	FY 2018 Balance	58,452,409						
	Hydro Net Income	(3,295,989)	(6,022,005)	3,971,946	3,956,816	3,940,495	(0)	
	Total Unrestricted	<u>55,156,420</u>	<u>49,134,415</u>	<u>53,106,360</u>	<u>57,063,176</u>	<u>61,003,671</u>	<u>61,003,671</u>	
Cash Breakdown:								
	Designated Reserves	6.00	4.23	6.01	6.00	6.03	6.02	
3040.4.1	Operating	9,820,629	8,000,917	11,702,862	11,649,678	11,070,173	11,370,173	Oper Res months assume 6 months
3040.4.4	Capital Improvement/Replaceme	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	\$15M minimum
3040.4.4	Capital Improvement/FERC	24,202,293	20,000,000	22,770,000	26,780,000	31,300,000	31,000,000	\$35M minimum
3040.4.5	Insurance and Catastrophic	5,000,000	5,000,000	2,500,000	2,500,000	2,500,000	2,500,000	\$2.5 - 5M
3040.4.7	Accrued Leave	133,498	133,498	133,498	133,498	133,498	133,498	50% liability
	Designated Total	54,156,420	48,134,415	52,106,360	56,063,176	60,003,671	60,003,671	
	Working Capital							
3040.5.1	Operating Cash	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	
	Hydroelectric Total	<u>55,156,420</u>	<u>49,134,415</u>	<u>53,106,360</u>	<u>57,063,176</u>	<u>61,003,671</u>	<u>61,003,671</u>	
District Total								
	District Total Unrestricted	61,252,551	55,556,855	52,886,279	49,516,874	48,507,858	43,411,288	
	District Total Restricted	5,870,698	5,728,161	33,383,129	18,327,059	5,697,508	4,722,004	
	Days Cash on Hand (DCOH)	339	273	269	242	228	196	

Nevada Irrigation District

Illustrative Purposes Only: 5.72%

5 Year Financial Forecast (FY 2020 - 2024): Debt Service Coverage (DSC)

	2019 Fcst	2020 Bud	2021	2022	2023	2024
Revenues						
Water Sales	\$ 24,990,537	\$ 26,919,807	\$ 28,998,016	\$ 31,236,663	\$ 33,648,133	\$ 36,245,769
Hydro Receipts	24,208,576	24,783,530	25,372,139	25,974,727	26,591,627	27,223,178
Property Taxes	12,738,713	13,120,875	13,514,501	13,919,936	14,337,534	14,767,660
New Connect/Install	267,110	275,123	286,128	297,573	309,476	321,855
Rents & Leases	184,872	190,418	198,035	205,956	214,194	222,762
Standby	133,102	140,715	146,344	152,197	158,285	164,617
Interest Income	1,350,000	1,100,000	972,245	925,510	866,545	848,888
Reimburse/Fees/Other	1,628,059	1,570,501	1,309,321	1,349,694	1,391,682	1,435,349
Transfer Ins	9,862,518	14,151,079	6,571,579	6,571,579	6,571,579	6,571,579
Total Revenues	75,363,487	82,252,048	77,368,307	80,633,835	84,089,056	87,801,656
Water OperBudget less DS	37,044,373	41,043,443	43,393,307	45,620,702	47,906,481	50,158,069
Hydro OperBudget less DS	22,656,109	26,460,535	19,294,171	19,911,889	20,545,110	21,168,347
Total O&M Budget	59,700,482	67,503,978	62,687,479	65,532,591	68,451,592	71,326,416
Net Revenues Avail for DS	15,663,005	14,748,070	14,680,828	15,101,244	15,637,464	16,475,240
Debt Service						
2011A Revenue Bonds	1,502,165	1,502,165	1,502,165	1,502,165	1,502,165	1,502,165
2016A Revenue Bonds	2,077,144	2,077,144	2,077,144	2,077,144	2,077,144	2,077,144
CDPH Loan	611,179	611,179	611,179	611,179	611,179	611,179
2021A Revenue Bonds	-	-	2,106,022	2,106,022	2,106,022	2,106,022
Total Debt Service	4,190,488	4,190,488	6,296,510	6,296,510	6,296,510	6,296,510
Net Revenue after Debt Service	<u>\$ 11,472,517</u>	<u>\$ 10,557,582</u>	<u>\$ 8,384,319</u>	<u>\$ 8,804,735</u>	<u>\$ 9,340,955</u>	<u>\$ 10,178,731</u>
DSC Ratio	3.74	3.52	2.33	2.40	2.48	2.62

Notes: Excludes Recreation Fees, Bond Proceeds & includes Transfer Ins from CFD, AD, applicable Capacity Fees

Nevada Irrigation District
5 Year Financial Forecast (FY 2020 - 2024): Debt Service Levels

2021 Water Rev Bonds:

Amount Bonded	\$34,485,000	\$34,485,000	\$34,485,000	\$34,485,000
Annual Interest Rate	4.00%	4.50%	5.00%	5.50%
Maturity	30	30	30	30
Payment Frequency	2	2	2	2

Payments:

Annual Payment	1,984,127	2,106,022	2,231,414	2,360,155
Total Paid	59,523,798	63,180,646	66,942,411	70,804,638
Total Interest Paid	25,038,798	28,695,646	32,457,411	36,319,638

Nevada Irrigation District

5 Year Financial Forecast

January 1, 2020 through December 31, 2024

**Illustration Purposes Only:
Reserve Recovery Assumption**



NID

Nevada Irrigation District

Illustration Purposes Only: Reserve Recovery

5 Year Financial Forecast (FY 2020 - 2024): Assumptions

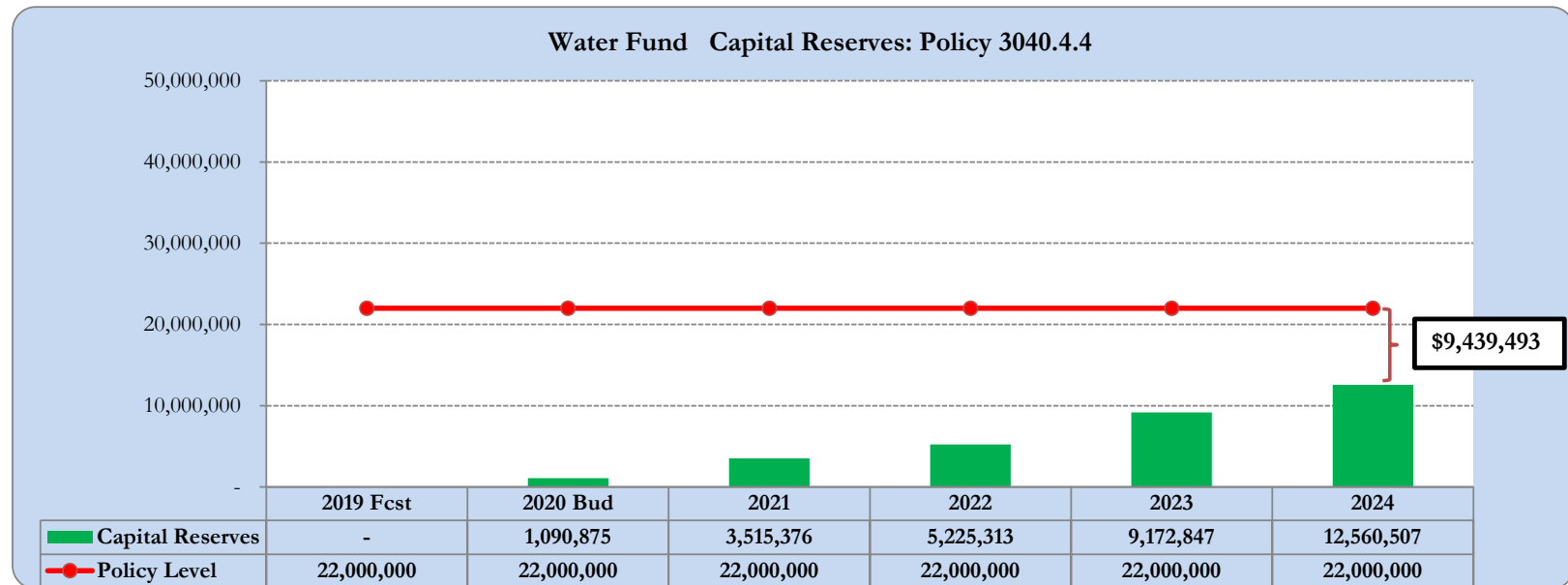
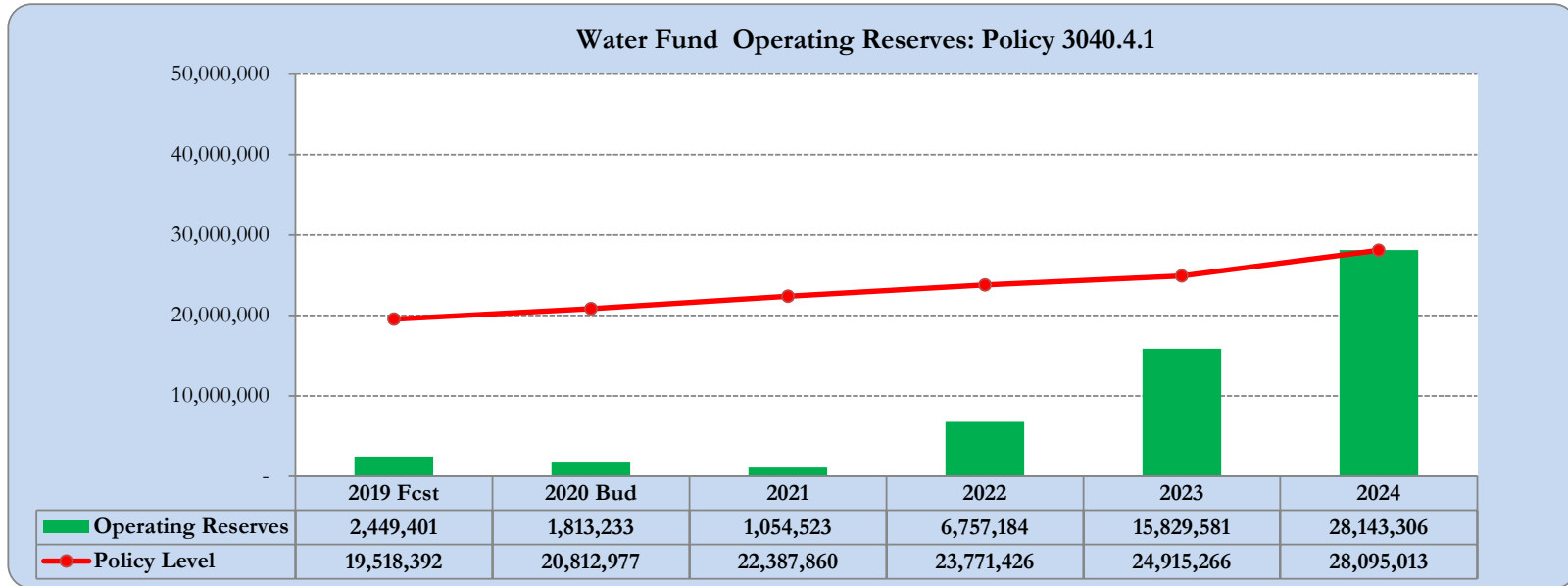
The objectives of the forecast are to demonstrate adequate water rates and sufficient revenue, compliance with debt-service-coverage and cash reserve levels after covering operating and capital project spending. The forecast is developed as closely as possible to a cash flow projection rather than a full accrual estimate, thus excluding receivables, payables, depreciation, amortization, and certain unrealized gains & losses. The details in this tool are used by management in forecasting receipts (revenues), disbursements (expenses) and cash reserves. The District maintains its' accounting system in accordance with Generally Accepted Accounting Principles (GAAP). The forecast period (2020 - 2024) uses the forecast year 2020 as its' base.

		Years				
		2020	2021	2022	2023	2024
<u>Revenues:</u>						
Water Rates		5.72%	46.00%	13.00%	9.75%	8.00%
Water Demand	2.0%	Based on 2010 - 2018 actuals				
Recreation Revenue		5%	13.5%	5.0%	5.00%	4.75%
Hydroelectric Revenue	2.4%	The District budgets 85% of actual revenue, however forecast based on expected cash				
Property Taxes	3%	FY 2013 - 2018 growth is 2.9%				
Other Revenue	4%	Includes New Connect/Install, Reimbursement/Fees, Rents & Leases, Standby				
Investment Income		Based on unrestricted reserve levels over period				
Transfer In	\$40,752,395	\$37,579,500 -- Hydro,		\$2,857,895 -- ADs & Cap Fees,		\$315,000 -- Recreation
Transfer In 2021A Bonds	\$35,214,936	Debt services through Hydro Fund, see anticipated service levels				
Transfer In Capacity Fees	\$3,492,895	Covers applicable Debt and expansion projects as Transfer In, unable to use to operate system				
<u>Expenditures:</u>						
Salaries	5.5%	COLA: 3.0%, Merits: 2.5%				
Benefits - Non PERS	5%	FY 2013 - 2018 growth is 7.1%				
Benefits - PERS	3.42%	35.40%	37.10%	38.80%	40.10%	40.50%
Benefits - OPEB	\$2,169,000	Based on June 2018 Actuarial				
Oper & Main	3.25%	2019 estimated CPI is 3.48%, Kipliner report states trade wars and election will keep inflation down				
Debt Service	\$20,951,840	2016A & 2011A Revenue Bonds, State Loan (Transfer In from CFD & Capacity Fees)				
New Debt	\$8,424,086	\$34.5 million in 2021 Water Revenue Bonds @4.5% for 30 Yrs				
Fixed Assets		2019 proposed Budget level				
Transfer Out	\$42,874,500	Hydroelectric Fund transfers into Water & Recreation Fund				
Capital Projects	\$103,323,745	Driven from detailed CIP schedule				
<u>Staffing Levels:</u>						
FTEs	219	Loaded at 2020 budget levels: Water (175), Recreation (9), Hydroelectric (35)				

Nevada Irrigation District

Illustration Purposes Only: Reserve Recovery

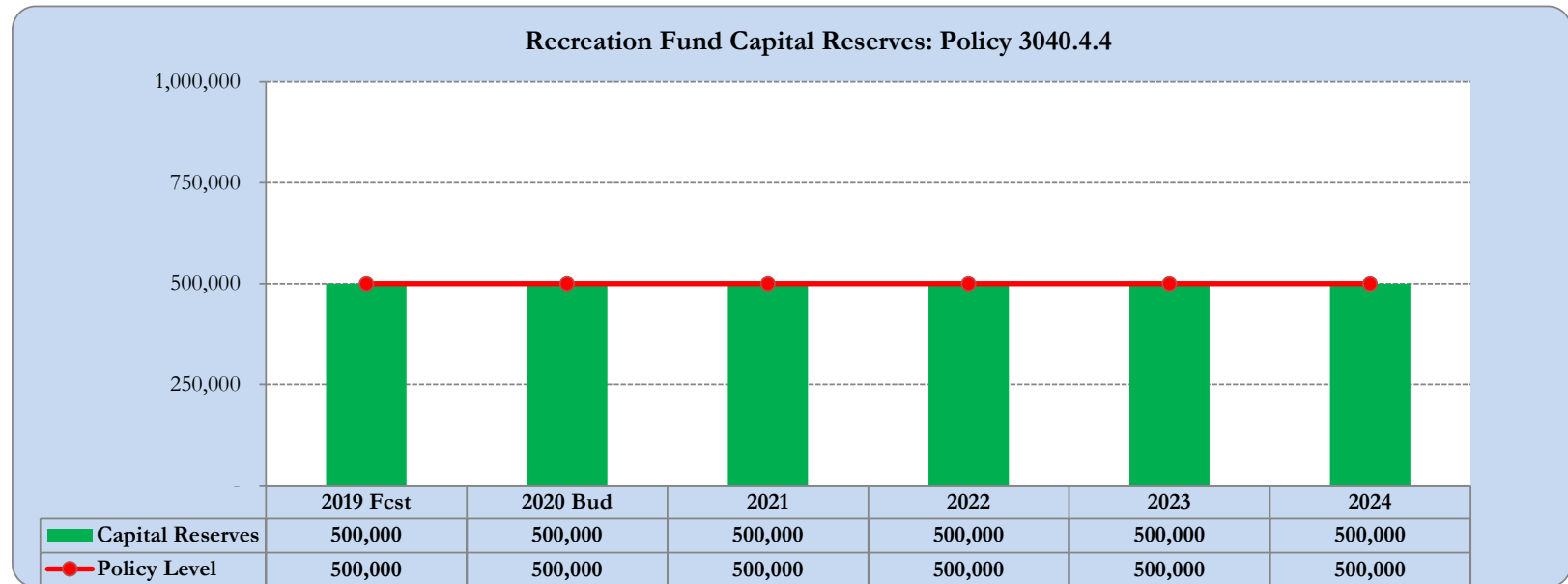
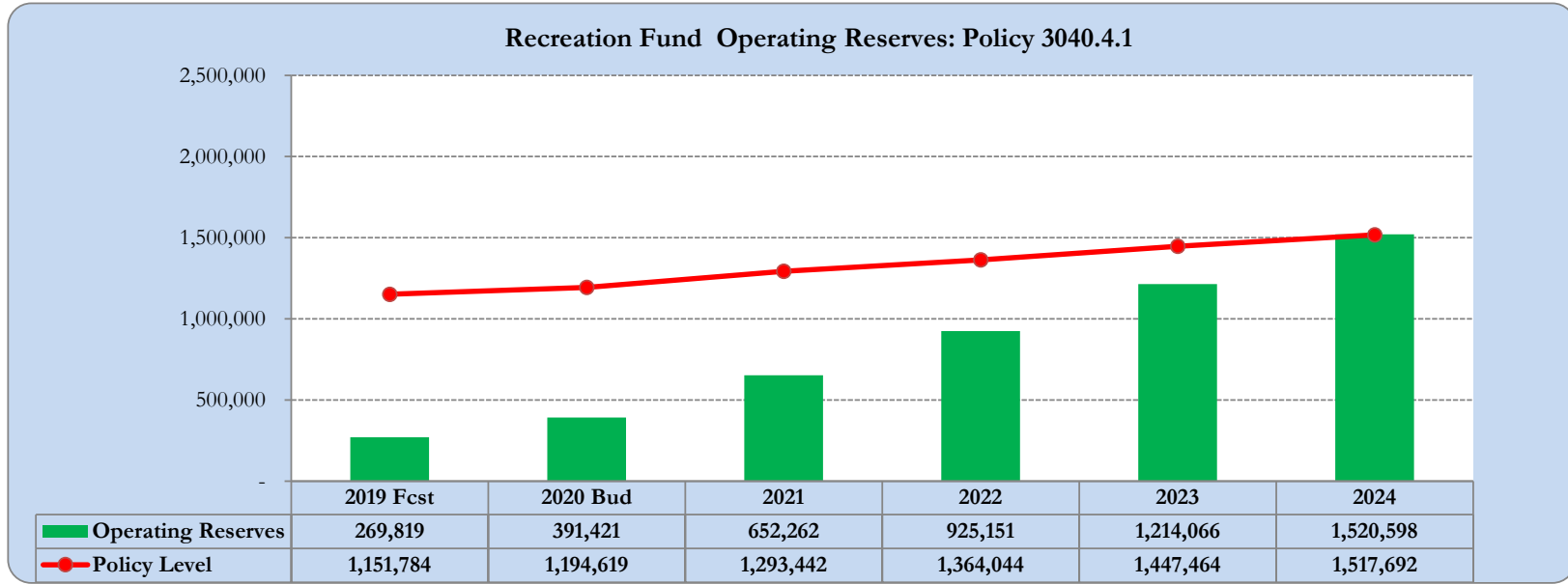
5 Year Financial Forecast (FY 2020 - 2024): Cash Reserves



Nevada Irrigation District

Illustration Purposes Only: Reserve Recovery

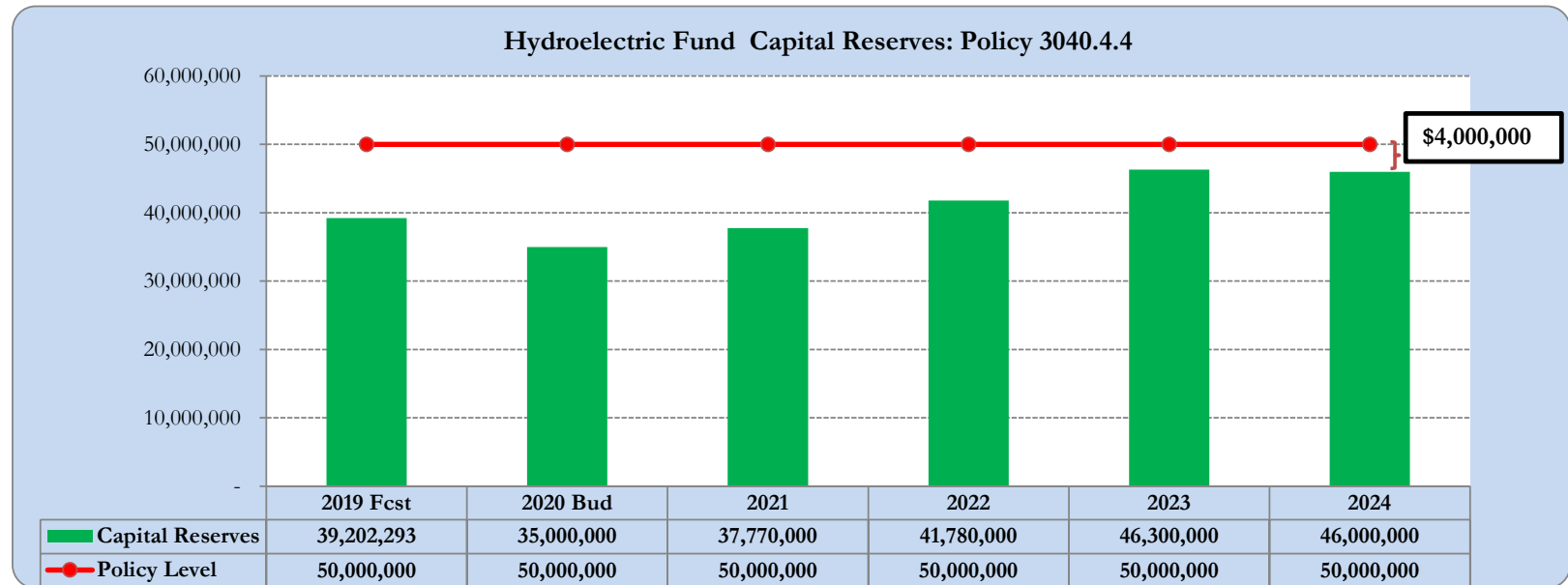
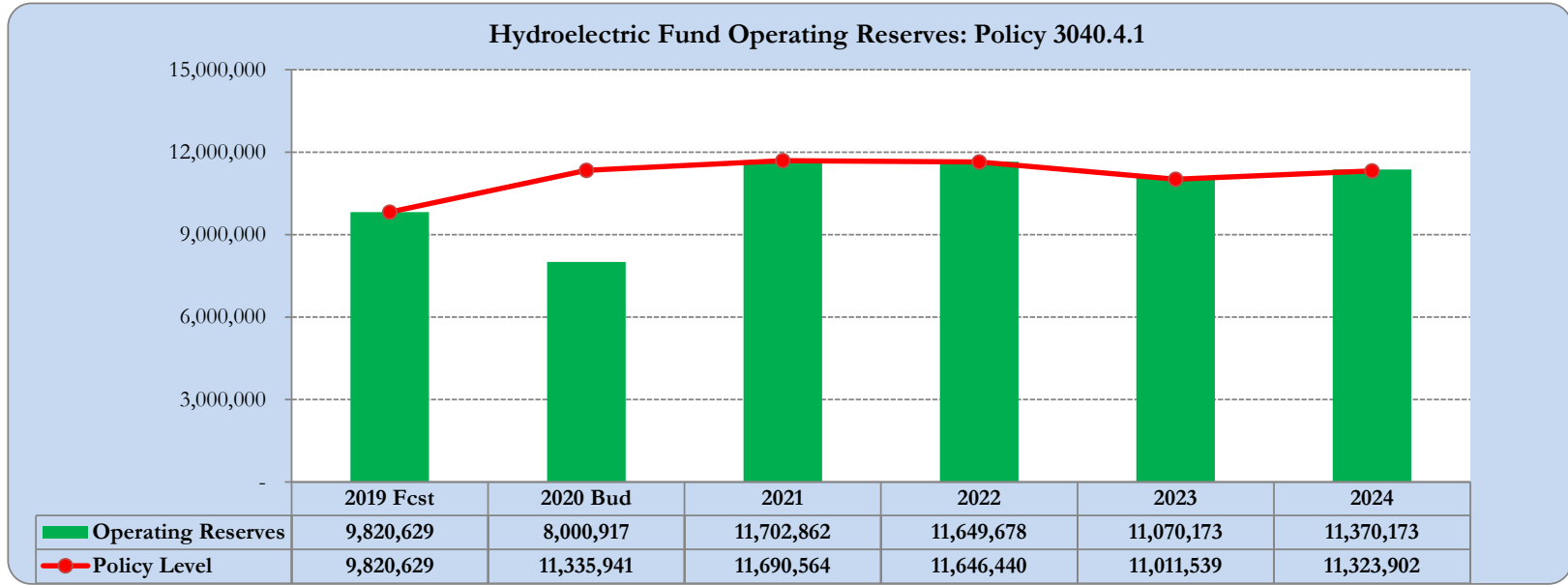
5 Year Financial Forecast (FY 2020 - 2024): Cash Reserves



Nevada Irrigation District

Illustration Purposes Only: Reserve Recovery

5 Year Financial Forecast (FY 2020 - 2024): Cash Reserves



Nevada Irrigation District

Illustration Purposes Only: Reserve Recovery

5 Year Financial Forecast (FY 2020 - 2024): Revenue & Expenses Statements

	2018	2019 Fest	2020 Bud	2021	2022	2023	2024
Water Division							
Operating revenue							
Water Sales	\$ 23,105,705	\$ 24,990,537	\$ 26,919,807	\$ 39,841,314	\$ 45,817,512	\$ 51,201,069	\$ 56,321,176
New Connect/Install	276,100	267,110	275,123	286,128	297,573	309,476	321,855
Reimburse/Fees/Other	1,164,618	942,234	970,501	1,009,321	1,049,694	1,091,682	1,135,349
Standby	132,092	133,102	140,715	146,344	152,197	158,285	164,617
Rents & Leases	148,778	184,872	190,418	198,035	205,956	214,194	222,762
Interest Income	1,152,904	1,350,000	1,100,000	972,245	1,119,220	1,322,960	1,624,824
Grants - Operating	1,266	685,825	600,000	300,000	300,000	300,000	300,000
Transfer Ins Debt Service	571,579	571,579	571,579	571,579	571,579	571,579	571,579
Transfer Ins Hydro	4,000,000	9,290,939	13,579,500	6,000,000	6,000,000	6,000,000	6,000,000
Total operating revenue	30,553,042	38,416,198	44,347,643	49,324,966	55,513,731	61,169,246	66,662,162
Operating expense							
Salaries	12,251,078	13,534,858	14,334,189	15,122,569	15,954,311	16,831,798	17,757,547
Benefits - Non PERS	5,192,543	5,992,250	7,232,025	7,593,626	7,973,308	8,371,973	8,790,572
Benefits - PERS	3,347,471	3,846,544	4,833,034	5,610,473	6,190,273	6,749,551	7,191,806
Benefits - OPEB Funding	421,065	342,000	342,000	342,000	342,000	342,000	342,000
Materials/Chemicals/Consultants	10,163,475	12,005,418	12,998,257	13,420,700	13,856,873	14,307,221	14,772,206
Debt Service	4,190,490	4,190,368	4,190,368	4,190,368	4,190,368	4,190,368	4,190,368
Fixed Assets	1,589,648	1,323,303	1,303,938	1,303,938	1,303,938	1,303,938	1,303,938
Total operating expense	37,155,770	41,234,741	45,233,811	47,583,675	49,811,070	52,096,849	54,348,437
Operating Net Income	(6,602,728)	(2,818,543)	(886,168)	1,741,290	5,702,661	9,072,397	12,313,725
Non operating revenue							
Property Taxes	12,331,723	12,738,713	13,120,875	13,514,501	13,919,936	14,337,534	14,767,660
Grants - Capital	2,053,216	4,849,739	-	-	-	-	-
Transfer In Bonds	5,262,000	13,050,000	-	-	-	-	-
Transfer In Capital	-	1,375,000	400,000	500,000	500,000	500,000	500,000
Total non operating revenue	19,646,939	32,013,452	13,520,875	14,014,501	14,419,936	14,837,534	15,267,660
Capital Projects	16,369,800	35,577,388	12,430,000	11,590,000	12,710,000	10,890,000	11,880,000
Non Operating Net Income	3,277,139	(3,563,936)	1,090,875	2,424,501	1,709,936	3,947,534	3,387,660
Water Net Income	\$ (3,325,589)	\$ (6,382,479)	\$ 204,707	\$ 4,165,792	\$ 7,412,597	\$ 13,019,931	\$ 15,701,385

Nevada Irrigation District

Illustration Purposes Only: Reserve Recovery

5 Year Financial Forecast (FY 2020 - 2024): Revenue & Expenses Statements

	2018	2019 Fest	2020 Bud	2021	2022	2023	2024
Recreation Division							
Operating revenue							
Recreation Fees	2,376,305	2,450,400	2,657,126	3,015,838	3,166,630	3,324,961	3,482,897
Operating expense							
Salaries	535,590	908,516	859,134	906,386	956,238	1,008,831	1,064,316
Benefits - Non PERS	187,084	212,728	317,544	333,421	350,092	367,597	385,977
Benefits - PERS	147,954	137,855	216,216	336,269	371,020	404,541	431,048
Benefits - OPEB Funding	7,689	8,000	26,000	26,000	26,000	26,000	26,000
Materials/Chemicals/Consultants	1,272,015	850,065	1,116,630	1,152,920	1,190,390	1,229,078	1,269,023
Total operating expense	2,150,332	2,117,164	2,535,524	2,754,997	2,893,740	3,036,047	3,176,364
Transfer In	315,000	315,000	315,000	-	-	-	-
Capital Projects	795,512	303,000	315,000	-	-	-	-
Recreation Net income	(254,539)	345,236	121,602	260,841	272,889	288,915	306,533
Hydroelectric Division							
Operating revenue							
Hydroelectric Fees	23,561,491	24,208,576	24,783,530	25,372,139	25,974,727	26,591,627	27,223,178
Operating expense							
Salaries	2,713,181	3,193,923	3,938,149	4,154,747	4,383,258	4,624,337	4,878,676
Benefits - Non PERS	789,472	735,557	1,198,483	1,258,407	1,321,328	1,387,394	1,456,764
Benefits - PERS	725,700	957,943	1,251,534	1,541,411	1,700,704	1,854,359	1,975,864
Benefits - OPEB Funding	61,246	63,000	99,000	99,000	99,000	99,000	99,000
Materials/Chemicals/Consultants	3,642,638	5,679,219	4,976,518	5,138,255	5,305,248	5,477,669	5,655,693
Debt Service	-	-	-	2,106,022	2,106,022	2,106,022	2,106,022
Fixed Assets	317,850	1,046,467	1,102,351	1,102,351	1,102,351	1,102,351	1,102,351
Transfer Outs (Water & Rec)	4,315,000	10,980,000	13,894,500	6,000,000	6,000,000	6,000,000	6,000,000
Total operating expense	12,565,087	22,656,109	26,460,535	21,400,193	22,017,911	22,651,132	23,274,369
Transfer In Bonds	-	-	-	6,585,000	15,295,000	12,605,000	729,936
Capital Projects	3,189,681	4,848,456	4,345,000	6,585,000	15,295,000	12,605,000	4,678,745
Hydroelectric Net income	7,806,723	(3,295,989)	(6,022,005)	3,971,946	3,956,816	3,940,495	(0)

Nevada Irrigation District

Illustration Purposes Only: Reserve Recovery

5 Year Financial Forecast (FY 2020 - 2024): Cash Reserves

		2019 Fcst	2020 Bud	2021	2022	2023	2024	
Water Division								
	FY 2018 Unrestricted Balance	11,423,039						
	FY 2018 Restricted Balance	18,533,746						
	Water Operating Net Income	(2,818,543)	(886,168)	1,741,290	5,702,661	9,072,397	12,313,725	
	Water Non Oper Net Income	(3,563,936)	1,090,875	2,424,501	1,709,936	3,947,534	3,387,660	
	Total Unrestricted	5,040,560	5,245,267	9,411,059	16,823,656	29,843,587	45,544,972	
	Total Restricted	5,870,698	5,728,161	33,383,129	18,327,059	5,697,508	4,722,004	
Cash Breakdown:								
<u>Policy</u>	<u>Restricted Reserves</u>							<u>Policy Amounts</u>
3040.3.1	Capacity Fee Balance	5,259,518	5,116,981	4,871,949	4,622,629	4,368,946	4,110,823	\$2M minimum
3040.3.2	Debt Service	611,180	611,180	611,180	611,180	611,180	611,180	Covenant Driven
3040.3.3	Bonds/Loans/Fiduciary	-	-	27,900,000	13,093,250	717,382	0	Covenant Driven
	Restricted Total	5,870,698	5,728,161	33,383,129	18,327,059	5,697,508	4,722,004	
	Designated Reserves	0.75	0.52	0.28	1.71	3.81	6.01	Oper Res months
3040.4.1	Operating	2,449,401	1,813,233	1,054,523	6,757,184	15,829,581	28,143,306	assume 6 months
3040.4.2	Water Rate Stabilization	-	-	-	-	-	-	\$0 minimum
3040.4.3	Community Investment Stabiliza	-	-	-	-	-	-	\$1.5M
3040.4.4	Capital Improvement/Replaceme	-	1,090,875	3,515,376	5,225,313	9,172,847	12,560,507	\$22M minimum
3040.4.5	Insurance and Catastrophic	-	-	2,500,000	2,500,000	2,500,000	2,500,000	\$2.5 - 5M
3040.4.6	Watershed Stewardship	500,000	500,000	500,000	500,000	500,000	500,000	\$500K minimum
3040.4.7	Accrued Leave	1,091,159	1,091,159	1,091,159	1,091,159	1,091,159	1,091,159	50% liability
	Designated Total	4,040,560	4,495,267	8,661,059	16,073,656	29,093,587	44,794,972	
	Working Capital							
3040.5.1	Operating Total	1,000,000	750,000	750,000	750,000	750,000	750,000	
	Water Total Urestricted	5,040,560	5,245,267	9,411,059	16,823,656	29,843,587	45,544,972	
	Water Total Restricted	5,870,698	5,728,161	33,383,129	18,327,059	5,697,508	4,722,004	

Nevada Irrigation District

Illustration Purposes Only: Reserve Recovery

5 Year Financial Forecast (FY 2020 - 2024): Cash Reserves

		2019 Fcst	2020 Bud	2021	2022	2023	2024	
Recreation Division								
	FY 2018 Balance	710,335						
	Recreation Net Income	345,236	121,602	260,841	272,889	288,915	306,533	
	Total Unrestricted	<u>1,055,571</u>	<u>1,177,173</u>	<u>1,438,014</u>	<u>1,710,903</u>	<u>1,999,818</u>	<u>2,306,350</u>	
Cash Breakdown:								
	Designated Reserves	1.41	1.97	3.03	4.07	5.03	6.01	
3040.4.1	Operating	269,819	391,421	652,262	925,151	1,214,066	1,520,598	Oper Res months assume 6 months \$500K minimum 50% liability
3040.4.4	Capital Improvement/Replaceme	500,000	500,000	500,000	500,000	500,000	500,000	
3040.4.7	Accrued Leave	35,752	35,752	35,752	35,752	35,752	35,752	
	Designated Total	805,571	927,173	1,188,014	1,460,903	1,749,818	2,056,350	
	Working Capital							
3040.5.1	Operating Cash	250,000	250,000	250,000	250,000	250,000	250,000	
	Recreation Total	<u>1,055,571</u>	<u>1,177,173</u>	<u>1,438,014</u>	<u>1,710,903</u>	<u>1,999,818</u>	<u>2,306,350</u>	

Nevada Irrigation District

Illustration Purposes Only: Reserve Recovery

5 Year Financial Forecast (FY 2020 - 2024): Cash Reserves

		2019 Fest	2020 Bud	2021	2022	2023	2024	
Hydroelectric Division								
	FY 2018 Balance	58,452,409						
	Hydro Net Income	(3,295,989)	(6,022,005)	3,971,946	3,956,816	3,940,495	(0)	
	Total Unrestricted	<u>55,156,420</u>	<u>49,134,415</u>	<u>53,106,360</u>	<u>57,063,176</u>	<u>61,003,671</u>	<u>61,003,671</u>	
Cash Breakdown:								
	Designated Reserves	6.00	4.23	6.01	6.00	6.03	6.02	
3040.4.1	Operating	9,820,629	8,000,917	11,702,862	11,649,678	11,070,173	11,370,173	Oper Res months assume 6 months
3040.4.4	Capital Improvement/Replaceme	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	\$15M minimum
3040.4.4	Capital Improvement/FERC	24,202,293	20,000,000	22,770,000	26,780,000	31,300,000	31,000,000	\$35M minimum
3040.4.5	Insurance and Catastrophic	5,000,000	5,000,000	2,500,000	2,500,000	2,500,000	2,500,000	\$2.5 - 5M
3040.4.7	Accrued Leave	133,498	133,498	133,498	133,498	133,498	133,498	50% liability
	Designated Total	54,156,420	48,134,415	52,106,360	56,063,176	60,003,671	60,003,671	
	Working Capital							
3040.5.1	Operating Cash	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	
	Hydroelectric Total	<u>55,156,420</u>	<u>49,134,415</u>	<u>53,106,360</u>	<u>57,063,176</u>	<u>61,003,671</u>	<u>61,003,671</u>	
District Total								
	District Total Unrestricted	61,252,551	55,556,855	63,955,432	75,597,735	92,847,076	108,854,993	
	District Total Restricted	5,870,698	5,728,161	33,383,129	18,327,059	5,697,508	4,722,004	
	Days Cash on Hand (DCOH)	339	273	325	369	436	492	

Nevada Irrigation District

Illustration Purposes Only: Reserve Recovery

5 Year Financial Forecast (FY 2020 - 2024): Debt Service Coverage (DSC)

	2019 Fcst	2020 Bud	2021	2022	2023	2024
Revenues						
Water Sales	\$ 24,990,537	\$ 26,919,807	\$ 39,841,314	\$ 45,817,512	\$ 51,201,069	\$ 56,321,176
Hydro Receipts	24,208,576	24,783,530	25,372,139	25,974,727	26,591,627	27,223,178
Property Taxes	12,738,713	13,120,875	13,514,501	13,919,936	14,337,534	14,767,660
New Connect/Install	267,110	275,123	286,128	297,573	309,476	321,855
Rents & Leases	184,872	190,418	198,035	205,956	214,194	222,762
Standby	133,102	140,715	146,344	152,197	158,285	164,617
Interest Income	1,350,000	1,100,000	972,245	1,119,220	1,322,960	1,624,824
Reimburse/Fees/Other	1,628,059	1,570,501	1,309,321	1,349,694	1,391,682	1,435,349
Transfer Ins	9,862,518	14,151,079	6,571,579	6,571,579	6,571,579	6,571,579
Total Revenues	75,363,487	82,252,048	88,211,605	95,408,394	102,098,407	108,653,000
Water OperBudget less DS	37,044,373	41,043,443	43,393,307	45,620,702	47,906,481	50,158,069
Hydro OperBudget less DS	22,656,109	26,460,535	19,294,171	19,911,889	20,545,110	21,168,347
Total O&M Budget	59,700,482	67,503,978	62,687,479	65,532,591	68,451,592	71,326,416
Net Revenues Avail for DS	15,663,005	14,748,070	25,524,127	29,875,803	33,646,815	37,326,583
Debt Service						
2011A Revenue Bonds	1,502,165	1,502,165	1,502,165	1,502,165	1,502,165	1,502,165
2016A Revenue Bonds	2,077,144	2,077,144	2,077,144	2,077,144	2,077,144	2,077,144
CDPH Loan	611,179	611,179	611,179	611,179	611,179	611,179
2021A Revenue Bonds	-	-	2,106,022	2,106,022	2,106,022	2,106,022
Total Debt Service	4,190,488	4,190,488	6,296,510	6,296,510	6,296,510	6,296,510
Net Revenue after Debt Service	<u>\$ 11,472,517</u>	<u>\$ 10,557,582</u>	<u>\$ 19,227,617</u>	<u>\$ 23,579,293</u>	<u>\$ 27,350,306</u>	<u>\$ 31,030,074</u>
DSC Ratio	3.74	3.52	4.05	4.74	5.34	5.93

Notes: Excludes Recreation Fees, Bond Proceeds & includes Transfer Ins from CFD, AD, applicable Capacity Fees

Nevada Irrigation District

5 Year Financial Forecast (FY 2020 - 2024): Debt Service Levels

2021 Water Rev Bonds:

Amount Bonded	\$34,485,000	\$34,485,000	\$34,485,000	\$34,485,000
Annual Interest Rate	4.00%	4.50%	5.00%	5.50%
Maturity	30	30	30	30
Payment Frequency	2	2	2	2

Payments:

Annual Payment	1,984,127	2,106,022	2,231,414	2,360,155
Total Paid	59,523,798	63,180,646	66,942,411	70,804,638
Total Interest Paid	25,038,798	28,695,646	32,457,411	36,319,638

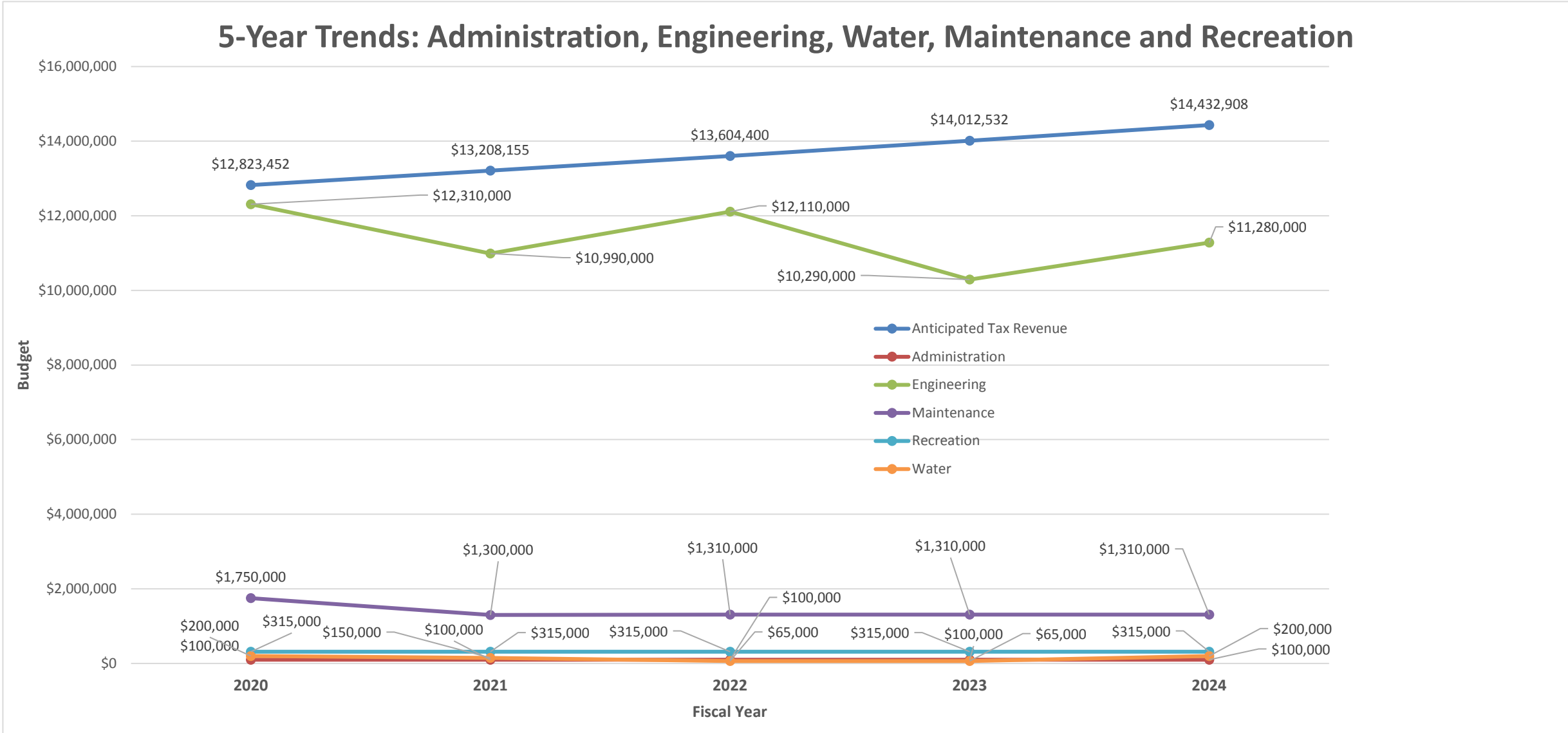
Nevada Irrigation District (NID)

5 Year Plan

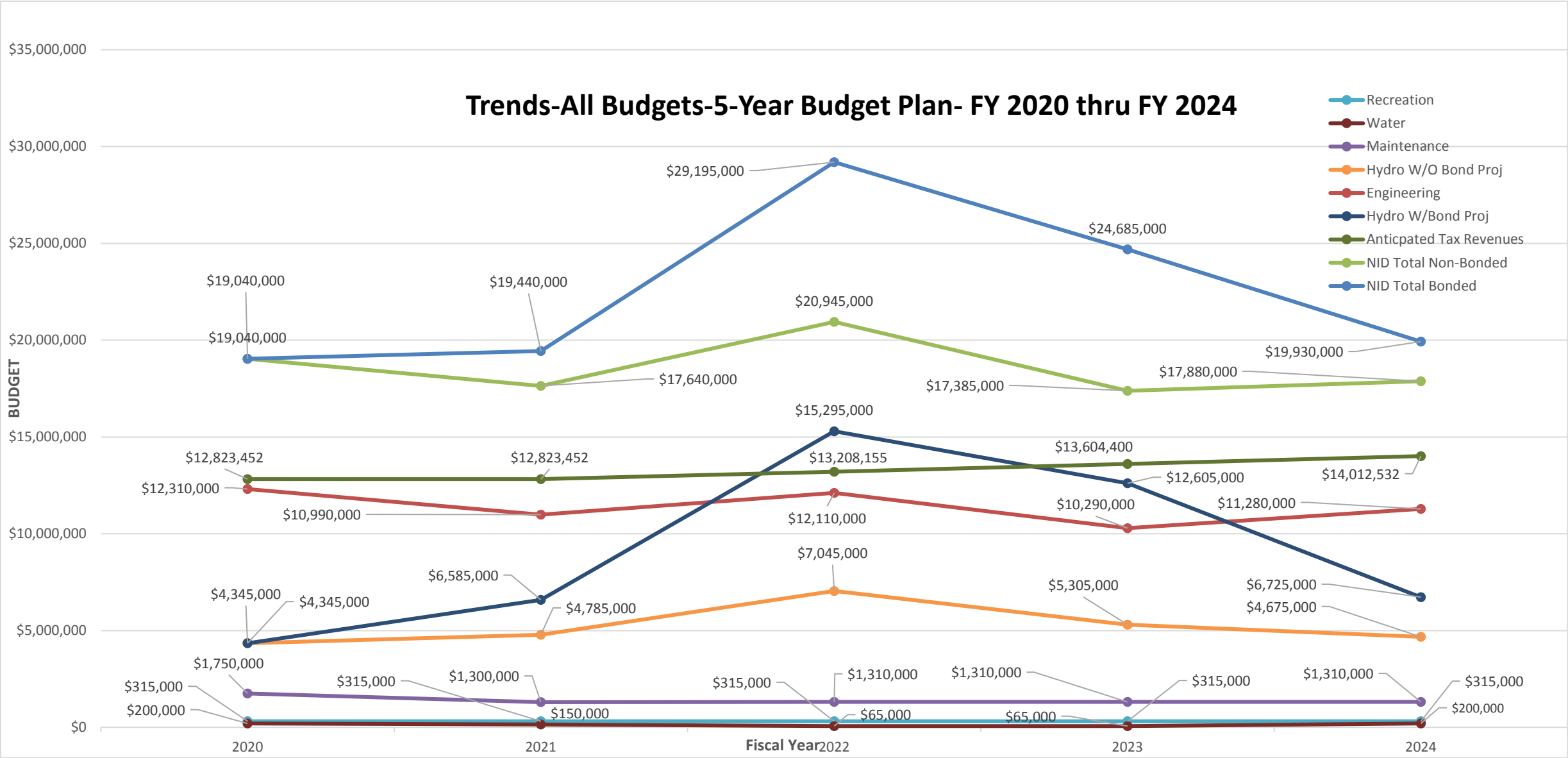
Executive Summary

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Administration	\$10,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Information Technology	\$2,750,000	\$0	\$0	\$0	\$0	\$0
Safety	\$20,000	\$20,000	\$0	\$0	\$0	\$0
Engineering	\$29,245,000	\$12,310,000	\$10,990,000	\$12,110,000	\$10,290,000	\$11,280,000
Anticipated Tax Revenue	\$12,449,953	\$12,823,452	\$13,208,155	\$13,604,400	\$14,012,532	\$14,432,908
Water	\$200,000	\$200,000	\$150,000	\$65,000	\$65,000	\$200,000
Maintenance	\$930,000	\$1,750,000	\$1,300,000	\$1,310,000	\$1,310,000	\$1,310,000
Recreation	\$310,000	\$315,000	\$315,000	\$315,000	\$315,000	\$315,000
Hydroelectric Non-Bonded	\$4,180,000	\$4,345,000	\$4,785,000	\$7,045,000	\$5,305,000	\$4,675,000
Hydroelectric Bonded	\$4,180,000	\$4,345,000	\$6,585,000	\$15,295,000	\$12,605,000	\$6,725,000
NID Total Non-Bonded	\$37,645,000	\$19,040,000	\$17,640,000	\$20,945,000	\$17,385,000	\$17,880,000
NID Total Bonded	\$37,645,000	\$19,040,000	\$19,440,000	\$29,195,000	\$24,685,000	\$19,930,000

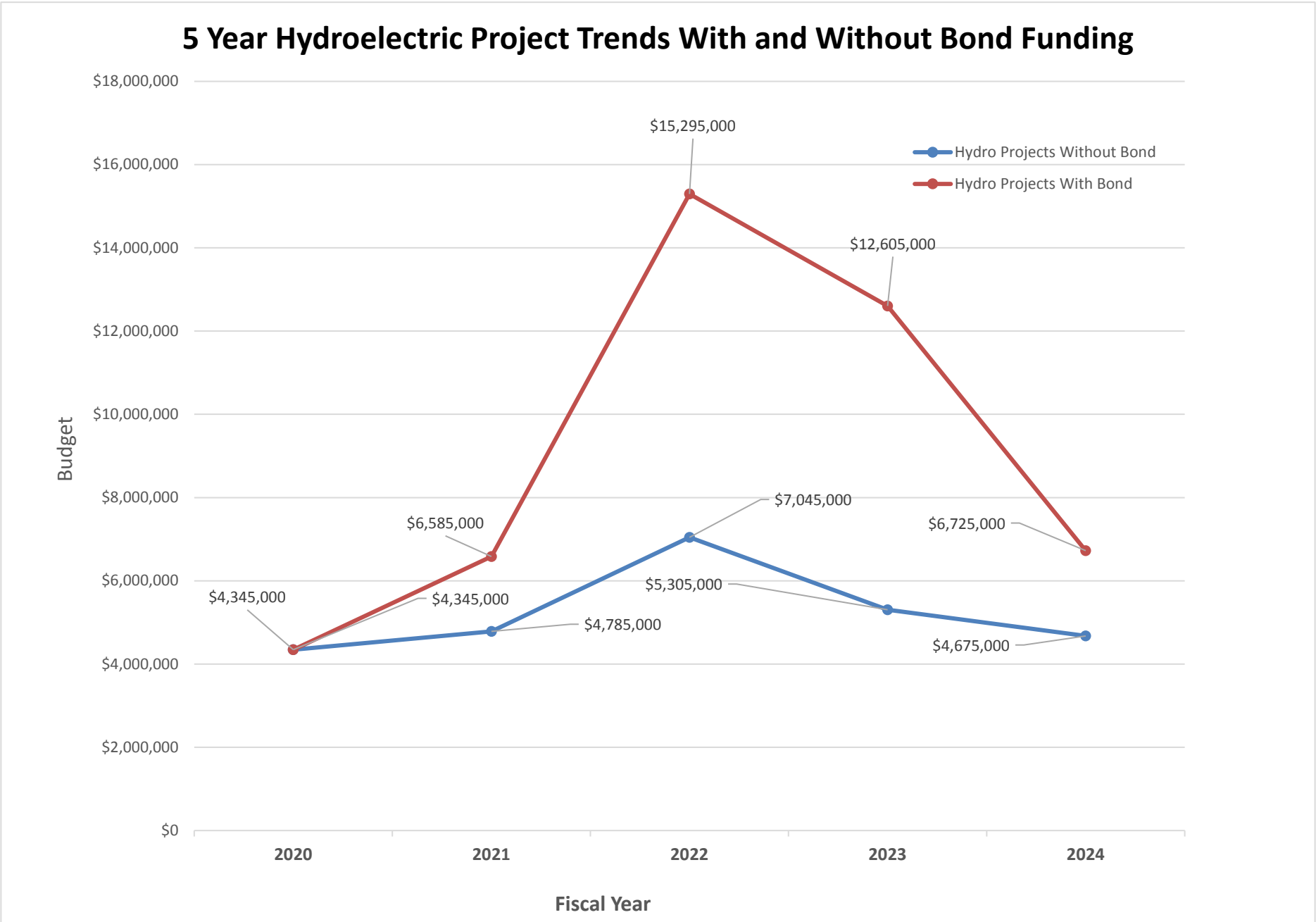
Nevada Irrigation District (NID) 5 Year Plan



Nevada Irrigation District (NID) 5-Year Plan



Nevada Irrigation District (NID) 5 Year Plan



Nevada Irrigation District-5 Year Plan

Dept./Account	Reg.Req.	Priority	FATR Proj.	Project Name	Budget	Budget	Budget	Budget	Budget	Budget	Notes/Funding Info
					2019-Board Approved	2020	2021	2022	2023	2024	
10114 Administration											
52915 Program Budget: Non-Programmatic					\$10,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
	ADA		NPN	Security and ADA upgrades of facilities for public and staff safety	\$10,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	NPN= No Project Number
10118 Information Technology											
52915 Program Budget: Non-Programmatic					\$2,750,000	\$0	\$0	\$0	\$0	\$0	
			2295	Financial Software System Upgrade	\$2,000,000						Transferred \$ 1.5 Million from Hydro Reserve
			2295	CMMS Software System Upgrade	\$750,000						Transferred \$375K from Hydro Reserve
10119 Safety											
52915 Program Budget: Non-Programmatic					\$20,000	\$20,000	\$0	\$0	\$0	\$0	
			1033	Safety Fall Protection Training Tower & Confined Space Facility	\$20,000	\$20,000					
10151 Engineering											
52907 Program Budget: Treated Water Pipeline Replacement					\$1,100,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,700,000	
		1	1037	Penn Valley Replacement-Phase 3-Install new pipelines for fire flows in Penn Valley.							Completion target in 2020
		2	2070	Boreham and Gayle Lane-Replacement of deteriorated water mains and services in this area							
		3	2270	Long Ravine-Replacement of waterline at Long Ravine Campground							
		4	2071	Lidster Ave & Country Club Terrace-Replacement of deteriorated water mains and services in this area.							
		5	6962	Hgwy 49 @ Christian Life Way-Replace 1500 ft. with 8 inch							Completion target in 2021
		6	2314	Peninsula Campground-Replacement of waterline							
		7	2323	Willaura Acres- (Lime Kiln)-Replacement of deteriorated water mains and services in this area							
		8	2387	Jackson Meadows Woodcamp Campground-Replacement of waterline							Completion target in 2022
		9	1005	Hughes Rd-Replace and upgrade pipeline							
		10	6930	Ridge Rd-Sierra College Dr/Hughes Road-1,240 ft. of 16 Inch and 910 Ft. of 20 inch-Replacement and upgrade of waterline							Completion target in 2023
		11	2182	North Day Road Pipeline Replacement-Replacement of badly deteriorated pipeline on North Day Road							
		12	2328	Jackson Meadows Aspen-Campground-Replacement of waterline							

Nevada Irrigation District-5 Year Plan

Dept./Account	Reg.Req.	Priority	FATR Proj.	Project Name	Budget	Budget	Budget	Budget	Budget	Budget	Notes/Funding Info
					2019-Board Approved	2020	2021	2022	2023	2024	
		13	2324	Meadow Brook-Copper relocate (North Auburn) relocate pipeline from back of house(s)							Completion target in 2024
52908 Program Budget: Pressure Reducing Valve (PRV) Program					\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$180,000	
		1	2371	Dorsey Drive-Replace badly deteriorated PRV							
		2	2370	Berggren Lane-Replace badly deteriorated PRV							
		3	2369	Brewer # 1-Replace badly deteriorated PRV							
		4	2368	Nancy Way-Replace badly deteriorated PRV							
		5	2316	Echo Ridge-Replace badly deteriorated PRV							
		6	2317	Slate Creek-Replace badly deteriorated PRV							
		7	2318	East Ridge-Replace badly deteriorated PRV							
		8	2320	McPhersons-Replace badly deteriorated PRV							
		9	2319	Glenwood-Replace badly deteriorated PRV							
		10	2367	Sunset-Replace badly deteriorated PRV							
		11	2366	Cedar Ridge-Replace badly deteriorated PRV							
52910 Program Budget: Raw Water Replacement					\$1,200,000	\$1,800,000	\$1,800,000	\$2,000,000	\$2,200,000	\$2,500,000	
		1	8099	Maben-Rehabilitate Canal							
		2	NPN	South Yuba Repairs - major repairs on facility to improve reliability							\$600 K estimated for FY 2020 & FY 2021 and anticipate \$800K per year for this work after FY 2020
		3	1031	Doty North Canal-Will encase approximately 450 ft. of canal and replace Siphon #1							
		4	1098	Santini Siphon 1-Replace 1 & 2-bottleneck & overtopping							
		5	7809	Kyler Canal-Replace and enlarge canal							
		6	2373	Pet Hill Canal Extension Repair - Upgrade pipeline for capacity							
		7	2372	Markell Spill Replacement-Replace badly deteriorated spillway							
		8	2337	Smartsville raw water system-Repair and replacement of badly deteriorated pipelines							
		9	2329	China Drop Pipe Replacement of aerial pipeline-supports badly deteriorated							
		10	2056	Lester Canal Relocation (Siphon)-Replace and relocate approx. 1400 Ft. of open canal.							
		11	2391	Fawn Hill Canal Piping - Canal pipe is sliding downhill							

Nevada Irrigation District-5 Year Plan

Dept./Account	Reg.Req.	Priority	FATR Proj.	Project Name	Budget	Budget	Budget	Budget	Budget	Budget	Notes/Funding Info
					2019-Board Approved	2020	2021	2022	2023	2024	
52911 Program Budget: Backbone Extension											
				CAPACITY FEES		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	Capacity fees are not included in Engineering Capital Budget Total
				TAX REVENUES	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,400,000	
				TOTAL-BEP	\$1,000,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,900,000	
	1		2255	E. George to LWW Pipeline-Extension of waterlines for redundancy and customers							
	2		2254	LWW to Smartsville WTP-Extension of waterlines for redundancy and customers							
52912 Program Budget: Community Investment					\$600,000	\$800,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	
	1		2115	Iron Horse DFWLE-Assist, Design and Construction of a pipeline for existing neighborhoods approved by the Engineering Committee							
	2		2180	Table Meadows-Phase 2-DFWLE-Assist, Design and Construction of a pipeline for existing neighborhoods approved by the Engineering Committee							
	3		2181	Loma Rica Drive DFWLE-Assist, Design and Construction of a pipeline for existing neighborhoods approved by the Engineering Committee							
	4		2409	Maranatha Place DFWLE-Assist, design and construction of a pipeline for existing neighborhoods approved by the Engineering Committee.							
52913 Program Budget: Extended CEQA					\$200,000	\$0	\$30,000	\$0	\$30,000	\$0	
	Extended CEQA	1	6593-2	Cascade Canal-Banner Cascade Pipeline-MMRP items from LCCBCP CEQA							(Completion Target by end of FY 2023)
	Extended CEQA	2	7809	Maben Phase 2 and 3-Abandonment of canal replaced by pipeline							
52914 Program Budget: Sediment Removal					\$650,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,500,000	\$2,000,000	
	1		2090	Loma Rica Reservoir-Clean and remove sediment to increase capacity							
	2		6958	Newtown Reservoir-Clean and remove sediment to increase capacity							
	3		6963	Orr Creek Reservoir-Clean and remove sediment to increase capacity							
	4		8301	Combie- Remove sediment on the eastside of reservoir to increase capacity							
	5		8515	Greenhorn Creek-Rollins Reservoir-remove sediment from Greenhorn Creek to increase capacity							
	6		6877	Steephollow-Remove sediment at Steep Hollow and protection of NID Hydro Facilities							

Nevada Irrigation District-5 Year Plan

Dept./Account	Reg.Req.	Priority	FATR Proj.	Project Name	Budget	Budget	Budget	Budget	Budget	Budget	Notes/Funding Info
					2019-Board Approved	2020	2021	2022	2023	2024	
		7	2213	Dutch Flat Afterbay-Remove sediment to increase capacity							
		8	2325	Union Reservoir-Remove sediment to increase capacity							
		9	2326	Rex Reservoir-Remove sediment to increase capacity							
52915 Program Budget: Non-Programmatic					\$24,335,000	\$5,850,000	\$4,300,000	\$5,250,000	\$2,900,000	\$2,500,000	
		1	6746	Combie Phase 1-Replacement-Combie pipeline bypass	\$19,960,000		\$200,000				Budget does not include construction Possible capacity fees
		2	6971	Alta Sierra Tank Replacement-Replace existing Alta Sierra Hypalon covered reservoir with storage tank(s)	\$2,000,000	\$5,000,000	\$200,000				
		3	7032	Hemphill/Fish Diversion - Improve fish passage	\$100,000	\$100,000	\$200,000	\$200,000			
		4	2414	Orr Creek Reservoir-CEQA-Repair leaking and badly deteriorated facility	\$500,000	\$50,000	\$500,000				
		5	7013	Centennial Water Supply Project - Facility for addition future demand and potential drought	\$1,775,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	
		6	2378	Loma Rica WTP Modify CT - Retrofit facility to improve CT		\$100,000					
		7	2321	LR WTP Pressure Vessel - Replacement of badly deteriorated pressure vessels		\$100,000	\$2,000,000	\$2,000,000			
		8	6996	LWW Plant Expansion - Addition of capacity for future demand			\$100,000				
		9	2376	North Auburn Highlift Pumps - Replace motor control center and new generator or generator connection			\$50,000	\$500,000			
		10	2375	Clear Well Expansion Loma Rica - Add additional clearwell volume for higher plant flows			\$50,000	\$2,000,000			
		11	2374	E. George Effluent Expansion - Remove constriction in effluent pipeline				\$50,000	\$2,000,000		
		12	2322	David Way Pump Station PS Rehab.-Aged PS with no redundant pumps			\$500,000				
		13	2162	LWW to E. George PRV/PH - Potential powerhouse on pipeline					\$400,000	\$2,000,000	
Engineering Capital Total					\$29,245,000	\$12,310,000	\$10,990,000	\$12,110,000	\$10,290,000	\$11,280,000	
10171 Water					\$200,000	\$200,000	\$150,000	\$65,000	\$65,000	\$200,000	
52915 Program Budget: Non-Programmatic					\$25,000	\$25,000	\$25,000	\$15,000	\$15,000	\$200,000	
			NPN	WTP Security	\$25,000	\$25,000	\$25,000	\$15,000	\$15,000	\$100,000	
			NPN	Miscellaneous Repairs - Major repairs such as structural for ongoing plant operations						\$100,000	

Nevada Irrigation District-5 Year Plan

Dept./Account	Reg.Req.	Priority	FATR Proj.	Project Name	Budget	Budget	Budget	Budget	Budget	Budget	Notes/Funding Info
					2019-Board Approved	2020	2021	2022	2023	2024	
52930 Program Bud: Chemical Tanks & Pads					\$100,000	\$100,000	\$50,000	\$50,000	\$50,000	\$0	
			NPN	Chemical Tanks & Pads - Replacement of tanks caused by caustic chemicals	\$100,000	\$100,000	\$50,000	\$50,000	\$50,000		
52931 Program Budget: Clarifiers					\$0	\$0	\$0	\$0	\$0	\$0	
52932 Program Budget: Lime System Removal					\$75,000	\$75,000	\$75,000	\$0	\$0	\$0	
			NPN	Lime System-Removal of old lime systems from treatment plants	\$75,000	\$75,000	\$75,000	\$0	\$0		
10191 Maintenance					\$930,000	\$1,750,000	\$1,300,000	\$1,310,000	\$1,310,000	\$1,310,000	
52915 Program Budget: Non-Programmatic					\$0	\$450,000	\$0	\$0	\$0	\$0	
			NPN	Bear Valley-Steel Building (50' x 100') - New building for operations of the Upper Country system		\$300,000					
			NPN	Bear Valley-Concrete Foundation -Slab for building for operations of the Upper Country system		\$150,000					
52916 Program Non-Jurisdictional Major Repairs-Water Diversion, Holding Structures					\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	
		1	2336	Tarr Canal Diversion Repair and Replacement-Clean, repair, and update diversion							
		2	2335	Tunnel Canal Diversion Repair and Replacement-Clean, repair, and update diversion							
		3	2334	Camp Far West Diversion Repair and Replacement-Clean, repair, and update diversion							
		4	2333	China Union Diversion Repair and Replacement-Clean, repair, and update diversion							
		5	2332	Wiskey Diggins Diversion-Repair and Replacement-Clean, repair, and update diversion							
		6	2331	Auburn Ravine 1-Diversion Repair and Replacement-Clean, repair, and update diversion							
52940 Program Budget: Tank Restoration					\$240,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	
			NPN	Storage Tank Recoating	\$240,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	
52941 Program Budget: Road Restoration					\$150,000	\$150,000	\$150,000	\$160,000	\$160,000	\$160,000	
			NPN	Asphalt sealing (WTP & Pump Stations)	\$150,000	\$150,000	\$150,000	\$160,000	\$160,000	\$160,000	
52942 Program Budget: Pipeline Restoration					\$240,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	
			NPN	Pipeline Rehabilitation - Epoxy Lining	\$240,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	

Nevada Irrigation District-5 Year Plan

Dept./Account	Reg.Req.	Priority	FATR Proj.	Project Name	Budget	Budget	Budget	Budget	Budget	Budget	Notes/Funding Info
					2019-Board Approved	2020	2021	2022	2023	2024	
52943 Program Budget: Canal Restoration					\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
			NPN	Shotcrete Lining of Canals		\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	
			NPN	South Yuba Canal - emergency repairs to the facility							
Total Capital-Operation Revenues, Maintenance and Water Operations					\$1,130,000	\$1,950,000	\$1,450,000	\$1,375,000	\$1,375,000	\$1,510,000	
30250 Recreation					\$310,000	\$315,000	\$315,000	\$315,000	\$315,000	\$315,000	
52915 Program Budget: Non-Programmatic					\$310,000	\$315,000	\$315,000	\$315,000	\$315,000	\$315,000	
			2091	Boat Slips/Docks-Purchasing 42 boat slips from EZDocks, for Long Ravine. Recreation staff will construct the new slips and will be removing the old slips.	\$250,000	\$215,000	\$50,000	\$50,000	\$50,000	\$50,000	
			2102	Ditch Tenders		\$10,000					
				Sewer System Replacements	\$30,000	\$30,000	\$30,000	\$30,000	\$50,000	\$50,000	
			2314	Peninsula (2019)-Repair/replacement of Peninsula Sewer System							
				Roadway Restoration	\$20,000	\$20,000	\$10,000	\$10,000	\$40,000	\$40,000	
			2020	Scotts Flat Office & Generator-Replace existing deteriorating office	\$10,000	\$10,000	\$200,000	\$200,000			
			NPN	Roofing Upgrades		\$30,000	\$25,000	\$25,000	\$35,000	\$35,000	
			NPN	Campground Host - trailer replacement, Scotts Flat, Long Ravine, Peninsula					\$140,000	\$140,000	
50112 Hydroelectric											
52915 Program Budget: Non-Programmatic-Total represents non-bonded Projects					\$610,000	\$250,000	\$250,000	\$2,500,000	\$2,000,000	\$300,000	
			2084	New Hydro Office Property Development (Hydro Maintenance Shop/Office)	\$250,000	\$250,000	\$250,000	\$2,500,000	\$2,000,000	\$100,000	
			2083	RPH2 Rollins No. 2 Powerhouse-Designing, permitting and construction of Rollins No. 2 Powerhouse below Rollins Dam						\$200,000	Confirm financial analysis
			6947	LRPH Loma Rica Hydroelectric-Build new hydroelectric facility on Banner Cascade Pipeline	\$360,000						Loma Rica Powerhouse-NID Engineering worked from input from the Consultant and estimated FY 2020: \$ 5,376,000 and FY 2021: \$ 615,000.
52920 Program Budget: PH Improvements-Total represents non-bonded Projects					\$1,730,000	\$1,585,000	\$1,995,000	\$2,750,000	\$2,650,000	\$1,675,000	
			2354	BPH Bowman Intertic Breaker		\$100,000	\$170,000	\$100,000			
			2234	BPH Bowman Powerhouse Governor	\$100,000						Digital Governor Upgrade
			2362	CPPH Transformer Replacement			\$50,000	\$1,500,000	\$750,000		\$110K 2026 required for Warranty Testing

Nevada Irrigation District-5 Year Plan

Dept./Account	Reg.Req.	Priority	FATR Proj.	Project Name	Budget	Budget	Budget	Budget	Budget	Budget	Notes/Funding Info
					2019-Board Approved	2020	2021	2022	2023	2024	
			2383	CPPH Rewind				\$50,000	\$1,500,000		CSPH - Replace Switchgear/ISO Meter Budget additional \$100k in 2026 SF Excitation Refurbishment and Control Panel
			2402	CPPH Governor and Instrumentation Upgrade		\$150,000	\$400,000	\$75,000			
			2164	CPPH Fire Suppression Upgrades	\$300,000						
			2352	CPPH Switchgear Upgrade						\$50,000	
			2353	CPPH Turbine Overhaul			\$100,000	\$1,250,000	\$1,250,000		
			2347	CNPH CAISO Meter					\$150,000		
			2168	CSPH Instrument/Control/Protection Upgrades	\$500,000	\$250,000	\$250,000	\$100,000			
			2210	CSPH Combie South New CAISO Meter	\$100,000						
			6943	CS Access Road	\$50,000	\$100,000	\$25,000				
			2290	DCPH Deer Creek Powerhouse Upgrades	\$350,000	\$75,000					
			2342	DCPH Controls/Automation			\$50,000	\$400,000			
			2343	DCPH Generator Breaker			\$50,000	\$100,000	\$100,000	\$25,000	
			2395	DCPH Exciter Replacement			\$50,000	\$150,000			
			2387	DCPH Transformer Replacement					\$50,000	\$750,000	
			2246	DFPH Fire Suppression System Upgrades		\$300,000					
			2348	DFPH Balance of Plant		\$300,000					
			2403	DFPH Switch Gear Upgrade					\$50,000	\$500,000	
			2349	DFPH No 2 Turbine Shutoff Valve (TSV)						\$500,000	
			2350	DFPH Main Transformer Replacement					\$50,000	\$1,500,000	
			2351	RPH OCB Replacement		\$100,000	\$200,000	\$75,000			
			2379	RPH Rollins Powerhouse Fire Protection System			\$300,000				
			2392	RPH Governor Replacement			\$50,000	\$200,000			
			2393	RPH Balance of Plant		\$50,000	\$250,000				
			2394	RPH Relay Protection Improvements		\$100,000	\$150,000				
			2306	SFPH Scotts Flat New CASIO Meter (PH)		\$60,000					
			2406	SFPH Balance of Plant Upgrade					\$50,000	\$250,000	
			2401	SFPH Switchgear and Relay Replacement						\$100,000	
			2232	SFPH Instrument Upgrade	\$250,000						
			2233	SFPH Scotts Flat Replace Exciter	\$80,000						
52921 Program Budget: Reservoir, Dam and Water-Total represents non-bonded Projects					\$800,000	\$1,595,000	\$1,440,000	\$545,000	\$370,000	\$2,700,000	
			2359	Bowman North Dam Face Concrete Lining Improvement				\$150,000	\$300,000	\$1,800,000	Includes \$4 Million in 2025. Project depends on stability studies. Construction in two phases and contract: 1) Northside repairs, and 2) Southside repairs to level cash flow. FY 2020 not part of bond request.
	FERC, DSOD		2400	Bowman South Dam Stability						\$300,000	
	DSOD & FERC		201402	Combie Dam Stabilization and Scour Protection-Phased Project	\$500,000	\$300,000	\$700,000		\$3,000,000	\$50,000	
								3000000			

Nevada Irrigation District-5 Year Plan

Dept./Account	Reg.Req.	Priority	FATR Proj.	Project Name	Budget	Budget	Budget	Budget	Budget	Budget	Notes/Funding Info
					2019-Board Approved	2020	2021	2022	2023	2024	
	FERC		2007	French Dam - New Gauging Station		\$75,000	\$350,000		50000		Consider constructing with Project 2360 to minimize mobilization/construction costs. Consider constructing with Project 2007 to minimize mobilization/construction costs.
	FERC		2360	French Dam - Freeboard, Upstream Lining, Spillway Training Wall		\$220,000	\$1,000,000		75000		
			2358	Jackson Meadows Outlet-Butterfly Valve Replacement						\$200,000	
	FERC, DSOD-FY 2021		2361	Jackson Lake - Spillway Channel Confinement Deficiency			\$70,000		100000	\$20,000	
			2385	Rollins Dam Penstock Drainage Improvement			\$20,000		150000		
			2357	Sawmill Upstream Face Improvement					20000	\$50,000	
	DSOD-FY 2021		2094	Scotts Flat Dam Spillway Repair	\$300,000	\$1,000,000	\$1,000,000	\$4,000,000		\$3,000,000	
52922 Program Budget: Lower Division Waterway-Total represents non-bonded Projects					\$340,000	\$450,000	\$450,000	\$450,000	\$0	\$0	
			2386	CP Flume Intake Drain Improvements			\$50,000	\$450,000			
			2229	DF Flume Footing Repairs	\$340,000						
			2341	DF Canal Liner Replacement		\$450,000	\$400,000				
52923 Program Budget: Upper Division Waterway-Total represents non-bonded Projects					\$450,000	\$200,000	\$450,000	\$450,000	\$100,000	\$0	
			2230	BSCNL Bowman-Spaulding Canal Lining Project	\$450,000						
			2339	Rucker Spill Gate Replacement		\$150,000					
			2404	Fall Creek Flume Improvements						\$50,000	
			2340	BSCNL Repairs Upstream of Clear Creek Tunnel		\$50,000	\$450,000	\$450,000		\$50,000	
52924 Program Budget: SCADA/Communication Upgrades-Total					\$250,000	\$265,000	\$200,000	\$350,000	\$185,000	\$0	Communications/SCADA Upgrades
			201502	SCADA Upgrade	\$250,000						
			2405	New Hydro Field Office Radio Tower				\$350,000			
			2355	DFPH -HVPB- DF Forebay Fiber Optic		\$65,000					
			2390	DFFB-PG&E Drum Fiber Optic			\$200,000				
			2389	CPHVP - CP Intake Fiber Optic		\$200,000					
			2346	DCPH Install Microwave from KLOVE Tower (SF) to CPPH					\$185,000		

Summary of Nevada Irrigation District-5 Year Plan

	Budget	Budget	Budget	Budget	Budget	Budget	Notes/Funding Info
Dept./Account	2019-Board Approved	2020	2021	2022	2023	2024	
Hydroelectric Regular-Non Bonded Projects	\$4,180,000	\$4,345,000	\$4,785,000	\$7,045,000	\$5,305,000	\$4,675,000	
Hydroelectric-Anticipated Bonded Projects-FY 2021-FY2024	\$0	\$0	\$1,800,000	\$8,250,000	\$7,300,000	\$2,050,000	Anticipated bonded project(s) FY 2021 thru FY 2024. No bond at this time. If bonded, the total amount would be: \$ 19,400.00
Hydroelectric Total-With Bonded Projects	\$4,180,000	\$4,345,000	\$6,585,000	\$15,295,000	\$12,605,000	\$6,725,000	Funding Source: Hydroelectric Bond. No bond at this time.
Subtotal of Admin, IT, Engineering, Operations, Maintenance and Recreation	\$33,465,000	\$14,695,000	\$12,855,000	\$13,900,000	\$12,080,000	\$13,205,000	
NID District Total-With Bonded Projects	\$37,645,000	\$19,040,000	\$19,440,000	\$29,195,000	\$24,685,000	\$19,930,000	Funding Source: Hydroelectric Bond. No bond at this time.
NID District Total-Without Bonded Projects	\$37,645,000	\$19,040,000	\$17,640,000	\$20,945,000	\$17,385,000	\$17,880,000	



**2019 Financial Efficiency Report
Fiscal Governance System
Historical Results & Expense Trends
2020 Budgets, Short & Long-Term Forecast**

2019 Financial Efficiency Report



- Finance, HR, Administration
 - Purchasing reductions over 40 vendors: \$173,104 savings
 - IT water rate programming results in 120 less OT staff hours: \$6,903 savings
 - IT staff vs consultant Firewall, Hydro Door, Annex door: \$ 14,263 savings
 - HR & Rec temporary employee vs consultants (21,504 hours) \$77,307
 - Watershed job used staff vs contractors: \$23,500 savings
 - Watershed net proceeds on timber sales: \$41,718 revenue
 - Safety insurance premium reductions: \$583,690 savings
 - Grants: CFIP, CABY Drought, SNC: \$204,072 revenue
 - Cancelled committee meetings freed up labor hours: \$37,346 efficiency
 - 2019 budget reductions: \$832,112 savings

2019 Financial Efficiency Report



- Engineering
 - Temporary labor vs contracting on Ditch Tender: \$10,000 savings
 - CEQA exemption on Iron Horse, Pipeline & PRV: \$50,000 savings
 - Staff vs consultants on construction management on Combie Phase 1: \$645,400 annual savings
 - 2019 budget reductions: \$195,000 savings
- Operations
 - Reduced energy consumption through PG&E: \$5,631 savings
 - Equipment alternative Ram vs Colorado truck: \$14,796 savings
 - 2019 budget reductions: \$529,225 savings

2019 Financial Efficiency Report



- Maintenance

- Staff vs contractor on 12 projects: \$291,456 savings
- Material reductions on hauling and line replace: \$100,000 savings
- NID temps vs outside vendor labor: \$60,000 savings
- Equipment reduction on Crane truck replace: \$40,000 savings
- Staff training on South Yuba was free: \$12,000 savings
- 2019 budget reductions: \$542,200 savings

- Hydroelectric

- Staff vs contractor on Rollins Howell value rplc: \$274,000 savings
- Field office cellular coverage reduction: \$9,000 annual savings
- 2019 budget reductions: \$1,340,000 savings



2019 Financial Efficiency Report

- Recreation
 - HR & Rec temporary employee vs consultants (21,504 hours): savings \$77,307
 - 2019 budget reductions: savings \$136,998

2019 Summary

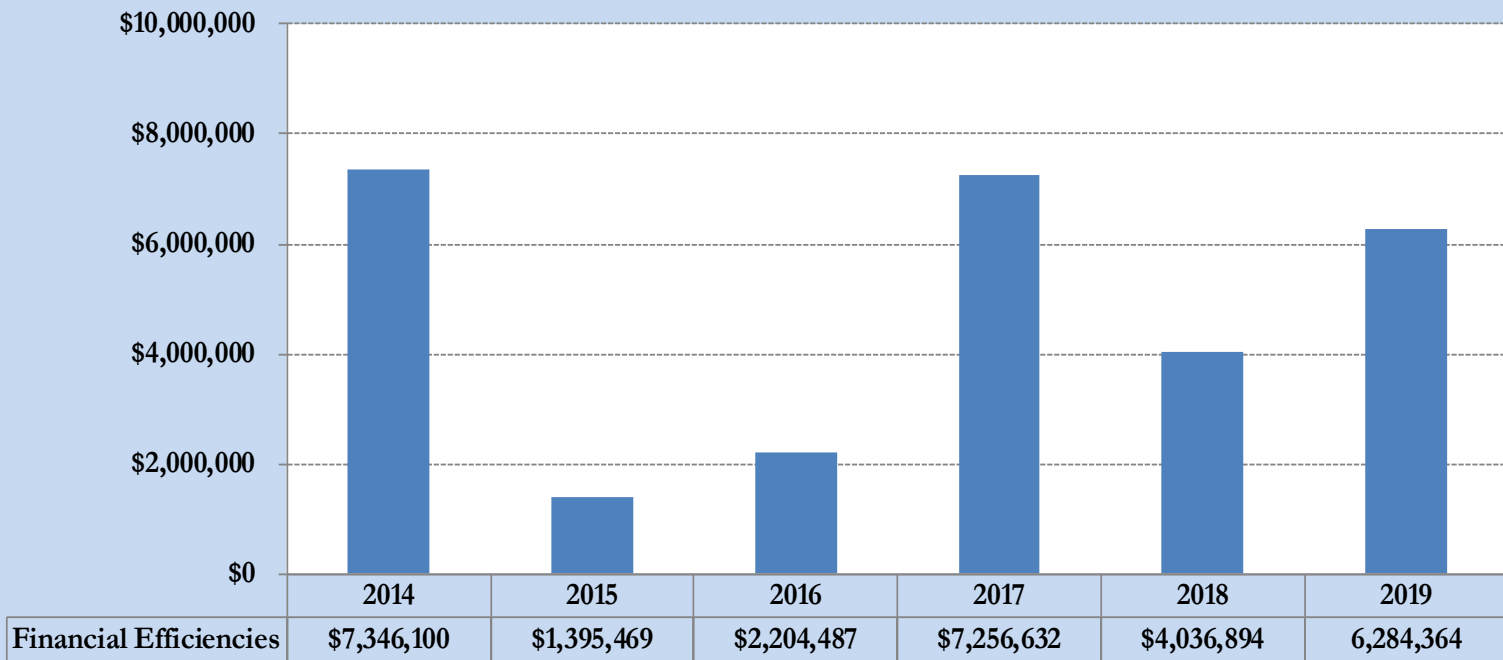
	Savings	Revenue	Efficiency
Finance, HR, Admin	\$ 1,782,868	\$ 245,790	\$ 2,028,658
Engineering	900,400		900,400
Operations	549,652		549,652
Maintenance	1,045,656		1,045,656
Hydroelectric	1,623,000		1,623,000
Recreation	136,998		136,998
Total	\$ 6,038,574	\$ 245,790	\$ 6,284,364

Financial Efficiency Efforts



The financial efficiency program began in 2014 and has achieved cumulative efficiencies of \$28,523,946.

Financial Efficiency Results FY 2014 - 2019





Nevada Irrigation District

Fiscal Governance System



Fiscal Governance System

- Fiscal Management Calendar
- Financial Reporting Structure
- Procurement Management
- Encumbrance Control
- Internal Controls Progress
- Financial Reporting & Cash Management
- Financial Management Policies (In process)

Fiscal Management Calendar



Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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Budget Calendar					Revenue Forecast	Department Schedules GM Summary Review	APC Review & Approval	Approval Fcst Review			
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Audit Calendar	Fiscal Year End Accruals: - Other Post EE Benefits (OPEB) - Net Pension Liability (NPL) - Depreciation, Amortization, etc. - Open Encumbrances		Auditor Onsite Work	Auditor Offsite Work	- Annual Report (CAFR) - Board Presentation - Capacity Fee Report - GFOA Submission					- Fiscal Year End System - Setup new Fiscal Year (Depts, Accounts, etc.)
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Reporting Calendar		- Bud vs Act - Investments - Forecast - Reserves			- Bud vs Act - Investments - Forecast - Reserves			- Bud vs Act - Investments - Forecast - Reserves			- Bud vs Act - Investments - Reserves - CFD & AD - Bonds, etc.
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Fiscal Control	- Procurement Policy 3080 - Budget Amendments 3100 - Cash Reserves 3040 - Investments 3035 - GASB, GAAP & Applicable Procedures										
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Fiscal Reporting Structure



Revenue Reporting Structure

Fund 10 Water	Operating & Non-Operating Accounts
Fund 30 Recreation	Operating Accounts
Fund 50 Hydroelectric	Operating Accounts
Fund 30 & 50	Operating Revenue by Location
<u>Operating Accounts</u>	<u>Non-Operating Accounts</u>
Treated Water	Property Taxes
Raw Water	Bond Proceeds
Reimburse/Fees/Other	Capacity Fees
Standby, Leases/Interest	Grants (For Capital Projects)
Transfer In (Operating)	Transfer In (Capital Projects)
Hydroelectric Revenue	
Recreation Revenue	

Expenditure Reporting Structure

10 - 10115 - 52603 - 6746	
All Funds share same Object and Project list	
10	= Fund
10115	= Department
52603	= Object
6746	= Project
<u>Operating Accounts</u>	<u>Non-Operating Accounts</u>
Salaries: 511xx	52907 thru 24 - Capital Projects
Benefits: 513xx	
O&M: 52xxx	
Fixed Assets: 52901 thru 04	
Transfer Out: 54000	

Fiduciary Reporting Structure

Fund 20 Improv Districts	Assets, Liab
Fund 11 Bond Proceeds	"
Fund 21 Cement Hill	"
Fund 22 Rodeo Flat	"
Fund 80 Retirement	"

Procurement Management

- Procurement Policy 3080
 - Clear definitions
 - Clear spending levels
 - Competitive procurement process
- Documented procurement procedure
- Budget Amendment Policy 3100
 - Clear definitions
 - Clear amendment authority
- Documented budget amendment procedure
- Encumbrance Accounting
 - Documented process
 - End of year review & rollovers
 - Appropriate end of year budget rollovers
- Inventory Stocking & Requisitions – documented process



Encumbrance Control

- The purpose of the procedure is to document the process used by staff to account for encumbrances authorized within adopted budgets. Encumbrances can obligate the District in multiple fiscal years while General Accepted Accounting Principles (GAAP) prohibits liquidation of those encumbrances across multiple fiscal years.
- GAAP rules require recording expenses in the period services are rendered rather than the period they are contracted. If the expense remains unpaid after the period services are performed, this creates a liability on the District's balance sheet. However, fiscal management requires staff to ensure authorized spending (budgets) are within actual spending (liquidated encumbrances). Therefore, staff follows the below practice to move certain encumbrances along with authorized spending into future fiscal periods.

Encumbrance Control Steps

- 1) Beginning each fiscal year, roll over all open encumbrances into the new fiscal year. From January to April, prior fiscal year encumbrances are liquidated against the newly adopted budget as GAAP rules prevent cash disbursements to a prior period.
- 2) After April, determine actual services rendered against the prior fiscal year and paid in the current fiscal year to accrue those expenses back.
- 3) After accruing the appropriate fiscal expenses back to the prior year in accordance with GAAP, analyze the remaining prior year budget. This step determines if there is sufficient budget to cover rolled encumbrances or has the budget been overspent.
- 4) After April, record a budget amendment to roll the applicable prior budget covering prior remaining encumbrances. This final step ensures prior District obligations remain within prior authorized budgets not consuming current fiscal budgets.

Internal Control Progress

2018 Expected Audit Findings (no new findings)



Finding 2014-1: Year-End Closing Procedures:

The District has accomplished the following to address this finding.

- Brought on new Controller & Accountant
- Working with consultants to implement Enterprise Resources Planning (ERP) system, review & recommended changes to business processes
- Working with consultants to implement Computerized Maintenance Management System (CMMS)
- Coordinating with vendor for new Banking Services, including online billing
- Positioned to receive its' 4th consecutive Government Finance Officers Association (GFOA) certificate for excellence in financial reporting.

Finding 2014-5: Recreation Division Cash Handling

Staff implemented a cash receipt review process requiring supervisor approval for voids and daily cash totals. As part of the new ERP system, staff is procuring electronic cash registers and redesigning Chart of Accounts to improve accounting processes. Once the new ERP system is implemented, the finding will be removed.



Financial Reporting & Cash Management

- Weekly department snapshot report
- Monthly budget vs actual, by 15th of month
- Quarterly investment and cash reserves reporting
- Short-term cash forecasting improving investment earnings
- Long-term cash forecasting for rating agencies (AA-)
- Annual Assessment District compliance reporting
- Continuing bond disclosure compliance reporting
- Comprehensive annual financial report (CAFR)
- Annual budgets, 5-Year forecasting & reserve review
- Investment Policy 3035, Reserve Policy 3040



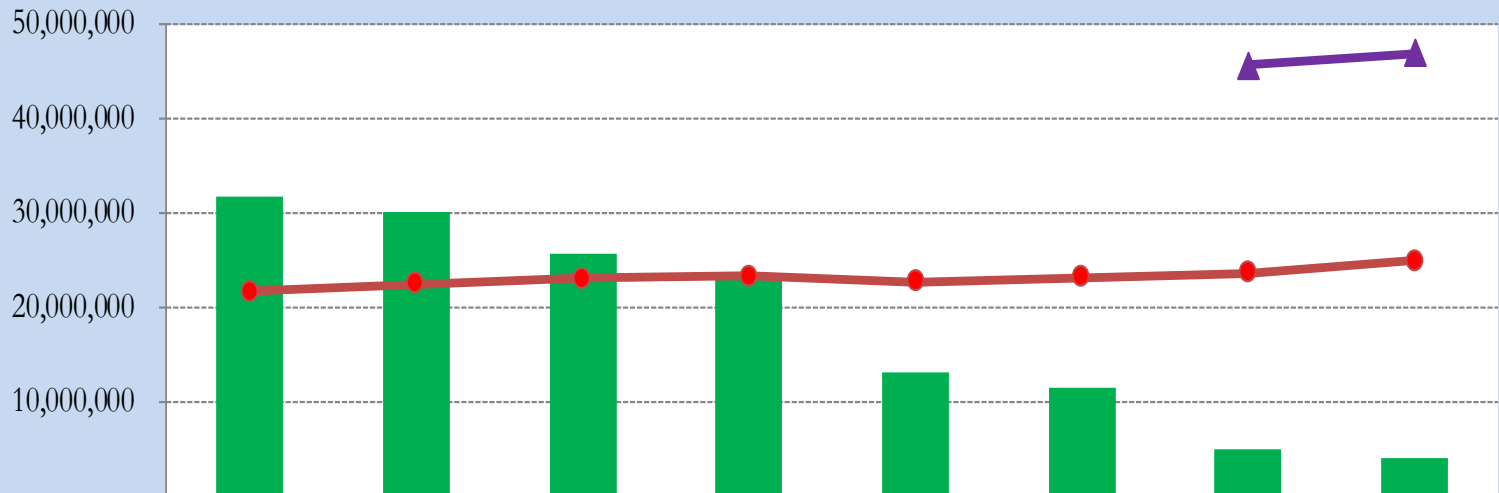
Nevada Irrigation District

Historical Results & Expense Trends

2020 Budget: Historical Results



Water Fund Reserve Balances: Policy 3040

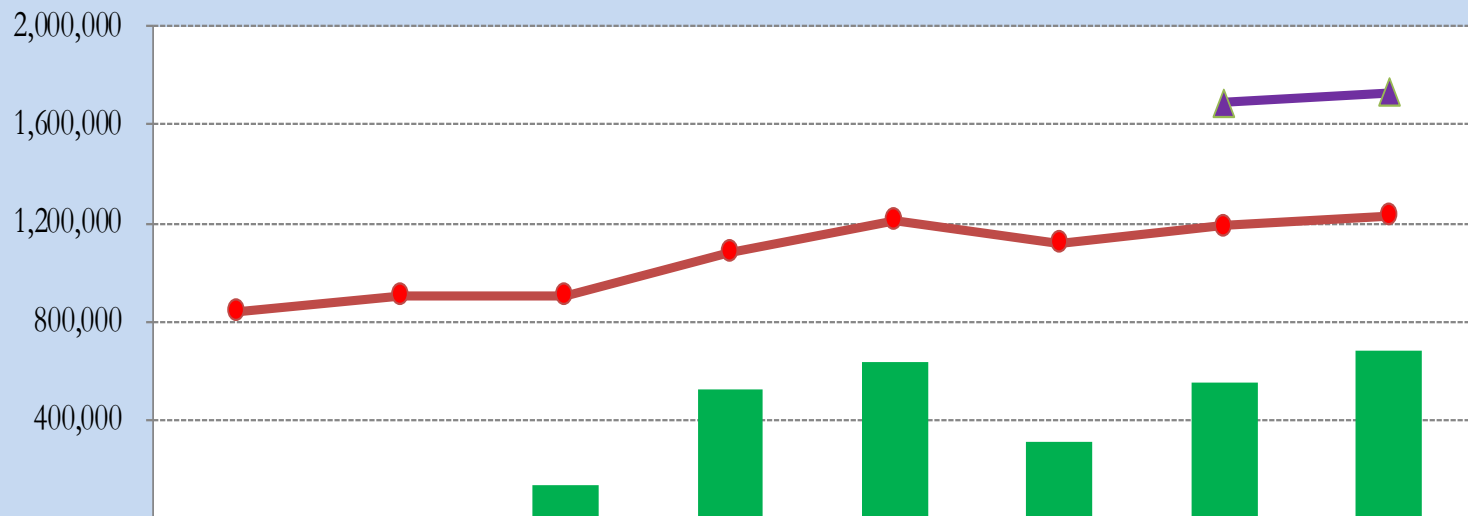


	2013	2014	2015	2016	2017	2018	2019 F	2020 F
Unrestricted	31,823,909	30,128,314	25,743,366	23,261,582	13,211,683	11,423,039	5,040,560	4,154,392
Operating Level	21,688,918	22,445,967	23,039,109	23,323,499	22,724,307	23,158,346	23,609,551	24,904,136
Total Policy							45,609,551	46,904,136

2020 Budget: Historical Results



Recreation Fund Reserve Balances: Policy 3040

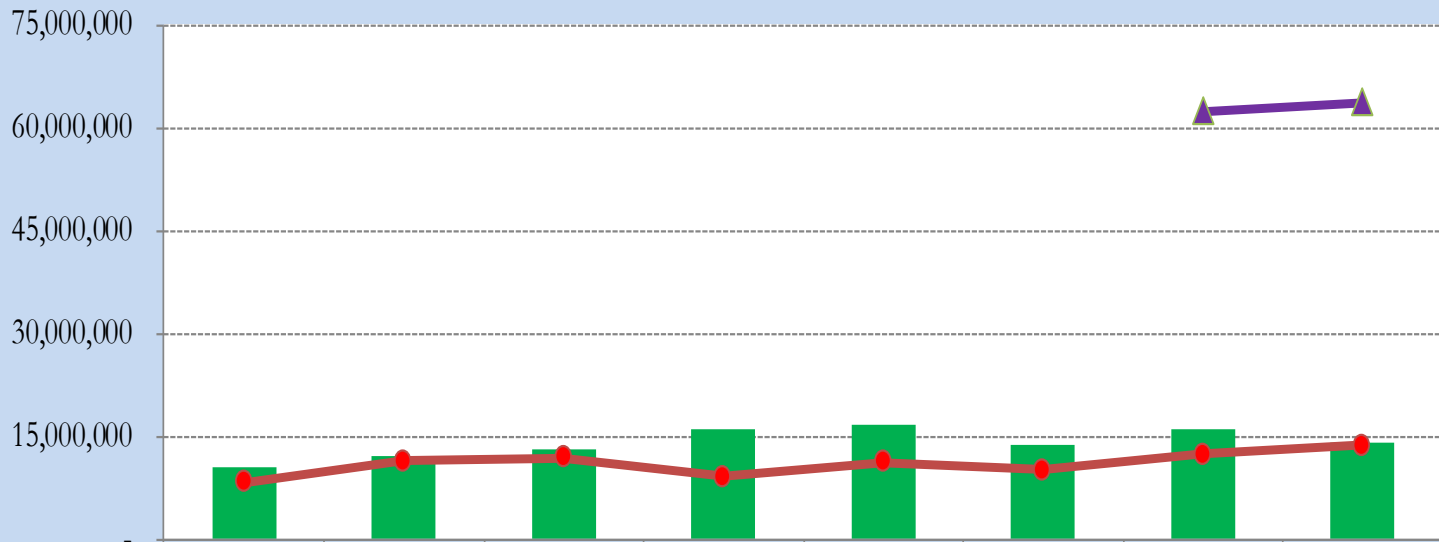


	2013	2014	2015	2016	2017	2018	2019 F	2020 F
Unrestricted	-	-	130,301	524,050	632,707	310,335	555,571	677,173
Operating Level	841,250	905,800	904,582	1,080,090	1,210,761	1,116,782	1,187,536	1,230,371
Total Policy							1,687,536	1,730,371

2020 Budget: Historical Results

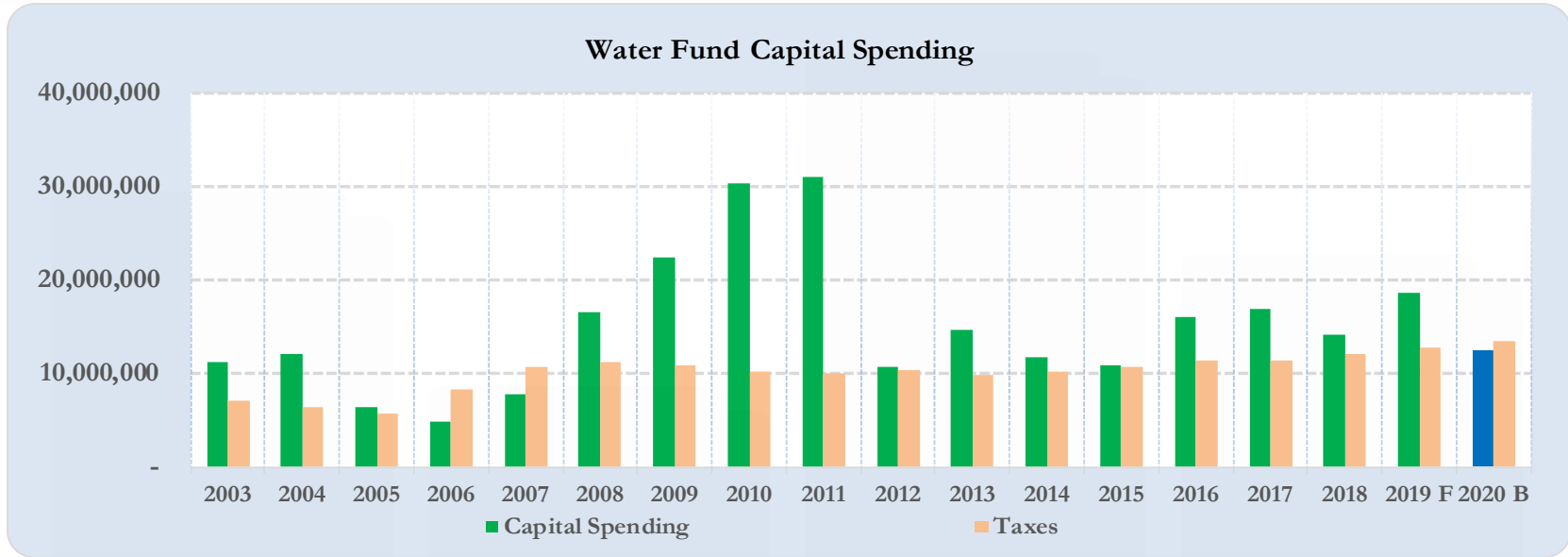


Hydroelectric Fund Reserve Balances: Policy 3040



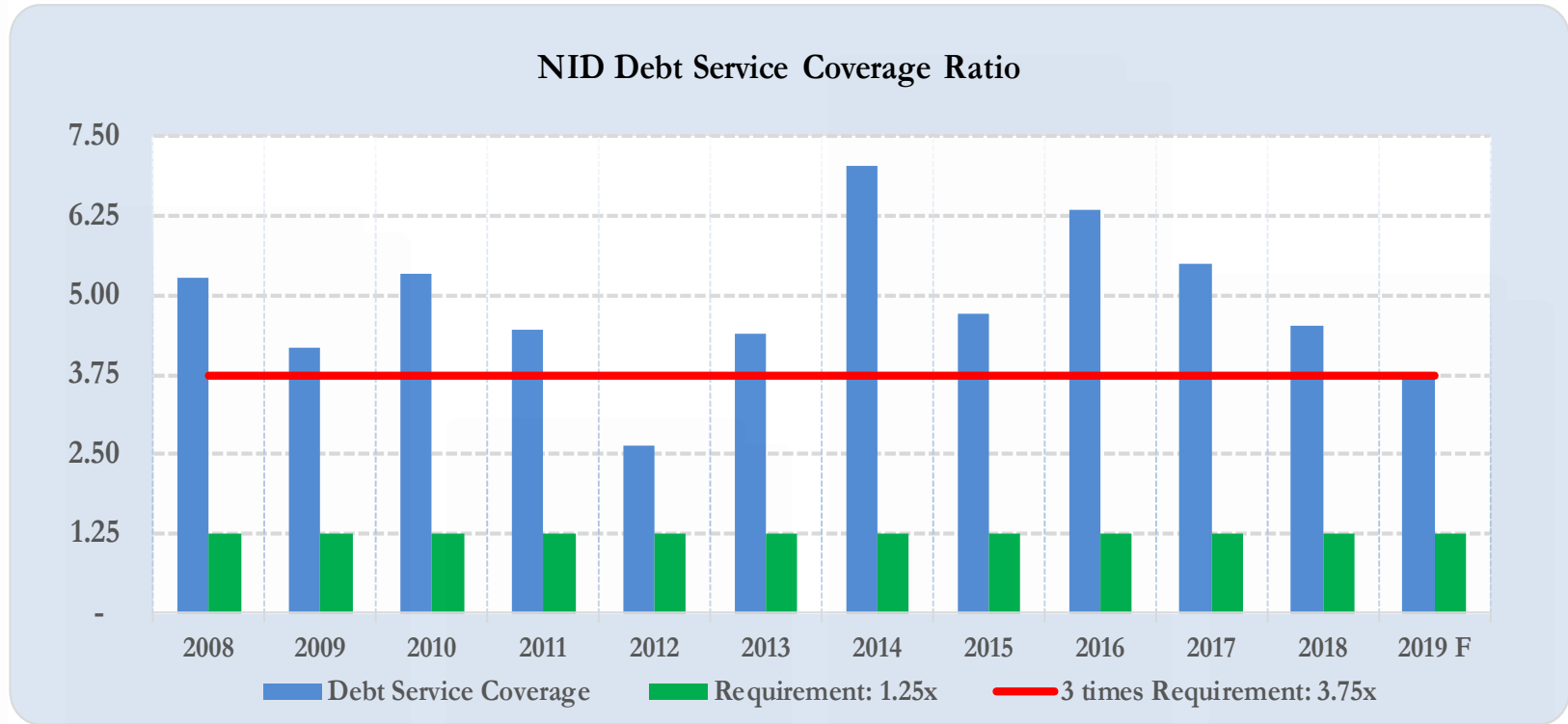
	2013	2014	2015	2016	2017	2018	2019 F	2020 F
Unrestricted	10,545,580	12,256,479	13,127,013	16,126,536	16,675,583	13,742,517	15,954,127	14,134,415
Operating Level	8,357,997	11,441,496	11,884,275	9,233,846	11,317,830	10,169,743	12,454,127	13,652,141
Total Policy							62,454,127	63,652,141

2020 Budget: Historical Results



FY 2003 - 2019		
Project Funding	\$ Amount	% Funded
Tax Receipts	182,467,306	68%
Bonds	70,588,407	26%
Capacity Fees	13,461,567	5%
Reserves	3,230,593	1%
Total Funded	269,747,873	100%

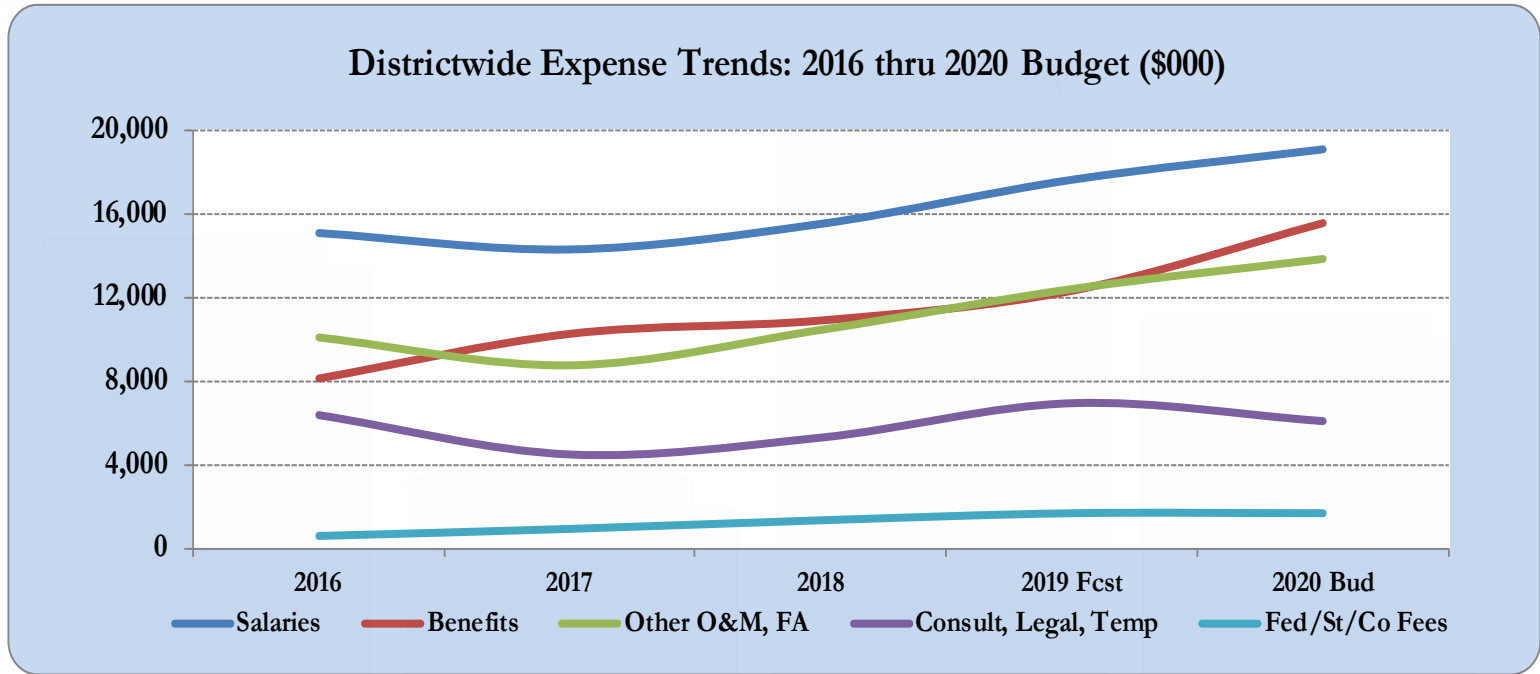
2020 Budget: Historical Results



FY 2008 - 2019

Maximum	7.03
Minimum	2.63
2019 Estimate	3.74

2020 Budget: All Divisions



	2016	2017	2018	2019 Fcst	2020 Bud	% Change
Salaries	15,055	14,260	15,500	17,637	19,111	6.1%
Benefits	8,119	10,245	10,880	12,296	15,516	17.6%
Other O&M, FA	10,042	8,712	10,407	12,358	13,795	8.3%
Consult, Legal, Temp	6,354	4,494	5,291	6,916	6,070	-1.1%
Fed/St/Co Fees	527	870	1,288	1,631	1,632	32.7%
CPI Index: MOU	3.01%	3.22%	3.87%	3.48%		



Nevada Irrigation District

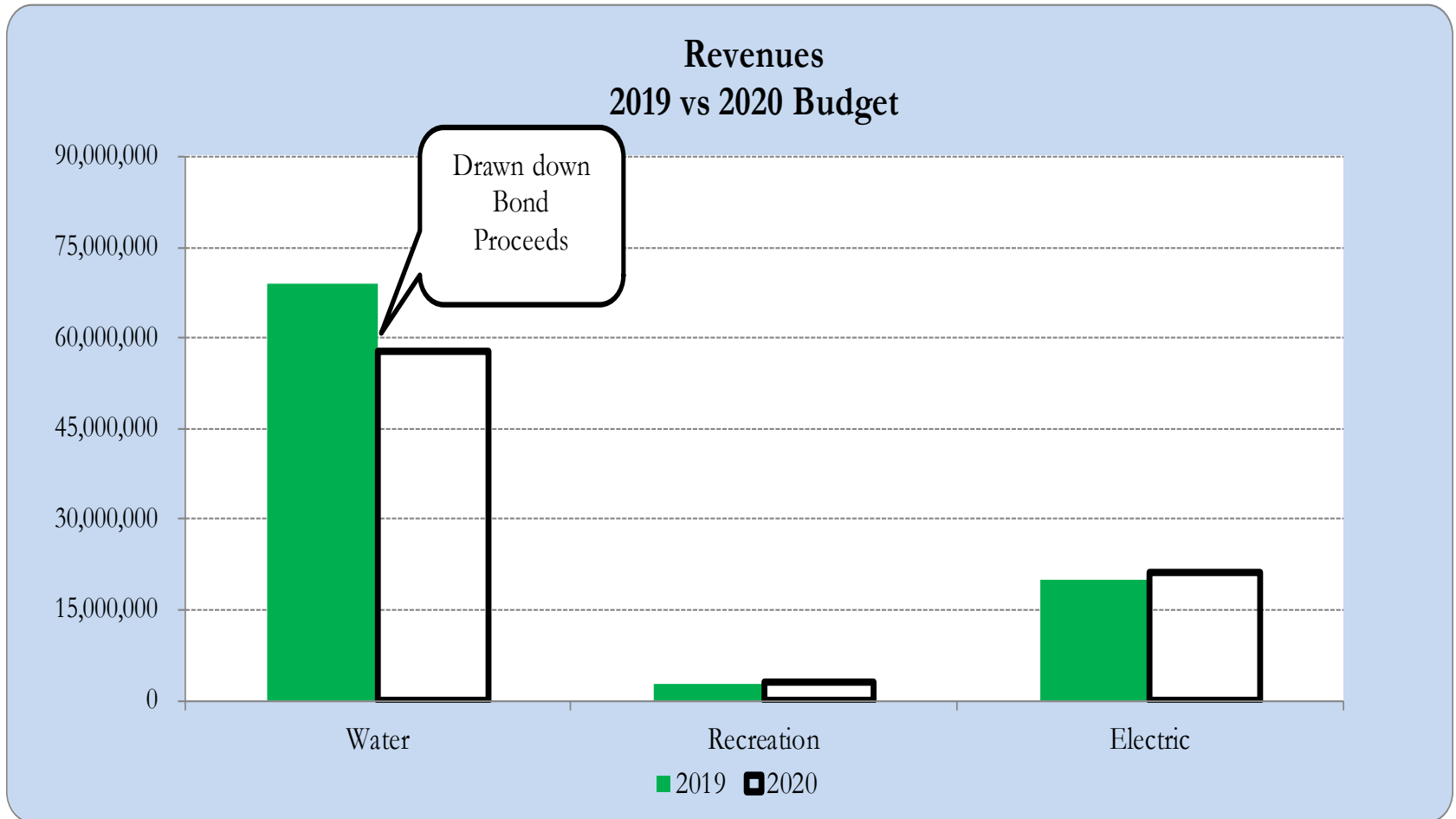
2020 Operating & Non Operating Budget

2020 Budget: Development

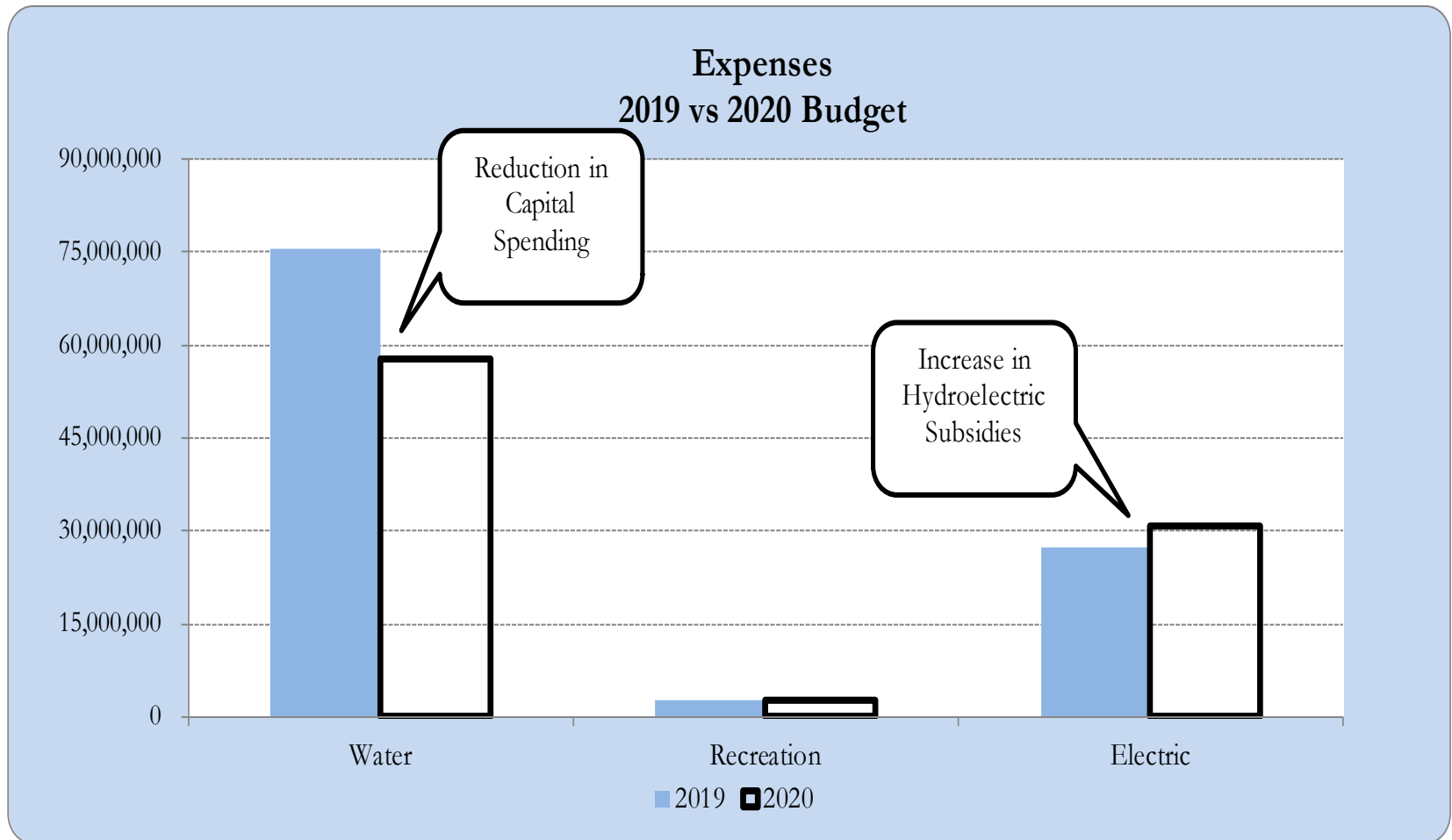


- Revenue Assumptions
 - Water Sales: 7.72% over 2019 forecast (5.72% + 2% demand)
 - Water Other: 3% (Installs, Reimbursements, Rents, Leases, etc.)
 - Water Property taxes: 3% over forecast
 - Water Grants: \$600K operating (SNC Forestry Phase 4, CFIP Cal Fire)
 - Recreation: 5% over 2019 forecast
 - Electric: 85% of expected levels, SF PPA ends 6/2020, CS PPA ends 5/2020
 - Hydro Transfer Ins: \$13.6M to Water, \$315K to Recreation
- Labor Costs Assumptions
 - 5 additional FTEs over 2019 budget, 3.5% Cola, 5% for normal step increase
 - 10% Medical, 5% Dental, 3% Vision
 - 35.4% PERS (includes unfunded payment), \$467K OPEB
- O&M and Capital Costs
 - \$6.1M (9%) over 2019 operating & maintenance budget, addition of Deer Creek
 - \$20.4M (54.4%) under 2019 capital budget, driven by Combie & reserve building
- Cash Flow Assumptions
 - 2020: \$9.3M contribution from reserves (see Division breakdown)
 - 2019: \$9.3M contribution from reserves (Forecast)

2020 Budget: All Divisions



2020 Budget: All Divisions



2020 Budget: Committee vs Proposed



		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>Committee 2020 Bud</u>	<u>Proposed 2020 Bud</u>	<u>% Change 19 vs 20</u>	<u>\$ Reductions Com vs Prop</u>
Operating Budgets: Excludes Transfer Outs									
Operating	10113 Directors	181,587	317,006	201,811	229,925	286,904	282,404	22.8%	(4,500)
	10114 Administration	8,160,809	6,579,502	6,629,350	7,109,120	6,710,509	6,481,369	-8.8%	(229,140)
	10115 Management	1,620,987	1,715,632	1,841,445	1,962,719	1,966,835	1,704,813	-13.1%	(262,022)
	10116 Watershed	333,764	647,319	1,125,014	1,191,073	1,226,703	1,226,703	3.0%	-
	10117 Human Resources	375,760	429,382	486,332	512,387	583,842	583,842	13.9%	-
	10118 Information Services	535,089	744,935	938,127	996,785	1,217,762	1,147,762	15.1%	(70,000)
	10119 Safety	-	-	283,031	350,406	393,869	393,869	12.4%	-
	10131 Cashiering	162,207	172,477	209,947	209,539	214,365	214,365	2.3%	-
	10133 Customer Service	689,666	926,475	1,532,464	1,649,035	1,773,292	1,748,292	6.0%	(25,000)
	10135 Accounting	1,003,875	1,058,956	1,145,342	1,232,830	1,259,648	1,259,648	2.2%	-
	10151 Engineering	3,087,115	3,442,487	4,102,573	3,932,525	4,147,660	3,982,660	1.3%	(165,000)
	10171 Water Operations	7,905,605	8,743,535	9,747,478	10,297,971	10,958,635	10,455,635	1.5%	(503,000)
	10191 Maintenance	8,592,649	10,897,938	10,218,791	10,518,518	13,154,634	12,658,006	20.3%	(496,628)
	10192 Vegetation			1,149,462	1,251,494	1,437,351	1,265,351	1.1%	(172,000)
	10193 Purchasing	692,239	790,229	901,193	1,049,022	1,088,176	995,676	-5.1%	(92,500)
	10195 Shop Operations	667,665	689,897	722,382	786,609	843,416	813,416	3.4%	(30,000)
	30250 Recreation General	1,948,036	1,825,248	1,711,718	1,921,967	2,008,707	2,008,707	4.5%	-
	30254 Jackson Meadows	-	325,084	405,446	505,192	526,817	526,817	4.3%	-
	50112 Hydro Admin	2,998,528	3,748,278	5,308,258	5,201,348	5,136,676	4,846,676	-6.8%	(290,000)
50161 Hydro Operations	1,679,582	1,957,908	2,509,977	2,435,637	3,499,003	3,499,003	43.7%	-	
50167 Hydro Maintenance	2,374,222	2,543,900	3,857,874	3,840,674	4,320,356	4,220,356	9.9%	(100,000)	
Operating Total		43,009,385	47,556,189	55,028,013	57,184,775	62,755,160	60,315,370	5.5%	(2,439,790)

10113 Directors - Election

10117 Human Resources - Negotiations

10118 Information Systems - ERP & CMMS

10119 Safety - Labor, consultants

10191 Maintenance - Deer Creek

50112, 50161 Hydro - Deer Creek

2020 Budget: All Divisions



			<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>	
<u>Operating & Non Operating Budgets:</u>								
Revenues	Operating	Water Division	27,083,575	30,466,686	38,416,197	41,509,672	44,347,643	
		Recreation Division	2,261,743	2,376,305	2,450,400	2,470,124	2,657,126	
		Electric Division	23,518,078	23,561,491	24,208,576	20,124,690	21,195,975	
		Operating Sum	52,863,397	56,404,482	65,075,174	64,104,486	68,200,744	
	Non Operating	Water Division	15,629,363	19,646,939	32,013,452	27,574,953	13,520,875	
		Recreation Division	200,000	315,000	315,000	315,000	315,000	
		Non Operating Sum	15,829,363	19,961,939	32,328,452	27,889,953	13,835,875	
	Revenues Total			68,692,759	76,366,421	97,403,626	91,994,439	82,036,618
	Expenses	Operating	Water Division	34,209,017	37,155,770	41,234,741	43,279,958	45,213,811
			Recreation Division	1,948,036	2,150,332	2,117,164	2,427,160	2,535,524
Electric Division			9,847,241	12,565,087	22,656,109	22,457,658	26,460,535	
		Operating Sum	46,004,293	51,871,189	66,008,013	68,164,775	74,209,870	
Non Operating		Water Division	16,595,413	16,369,800	35,577,388	32,325,000	12,430,000	
		Recreation Division	343,876	795,512	303,000	315,000	315,000	
		Electric Division	3,774,201	3,189,681	4,848,456	4,815,000	4,345,000	
		Non Operating Sum	20,713,489	20,354,993	40,728,843	37,455,000	17,090,000	
Expenses Total			66,717,782	72,226,182	106,736,857	105,619,775	91,299,870	

* See Cash Schedule for Reserve Impact

Net Income* 1,974,977 4,140,239 (9,333,231) (13,625,336) (9,263,252)

2020 Budget: All Divisions



Operating & Non Operating Budgets:

			<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>	
Revenues	Operating	Water Sales	21,514,816	23,105,705	24,990,537	27,278,195	26,919,806	
		Other Water Revenue	1,315,416	1,721,588	1,527,317	2,333,134	1,576,757	
		Recreation Fees	2,261,743	2,376,305	2,450,400	2,470,124	2,657,126	
		Electric Power	23,518,078	23,561,491	24,208,576	20,124,690	21,195,975	
		Interest Income	1,458,435	1,152,904	1,350,000	1,350,000	1,100,000	
		Grants - Operating		1,266	685,825	685,825	600,000	
		Transfer Ins - Operating	2,794,908	4,485,223	9,862,518	9,862,518	14,151,079	
		Operating Sum		52,863,397	56,404,482	65,075,174	64,104,486	68,200,744
	Non Operating	Property Taxes	11,401,037	12,331,723	12,738,713	12,449,953	13,120,875	
		Grants - Non op	495,361	2,053,216	4,849,739	300,000	-	
		Transfer Ins - Capital	896,541	315,000	1,690,000	2,090,000	715,000	
		Transfer Ins-Bonds	3,036,424	5,262,000	13,050,000	13,050,000	-	
	Non Operating Sum		15,829,363	19,961,939	32,328,452	27,889,953	13,835,875	
	Revenues Total			68,692,759	76,366,421	97,403,626	91,994,439	82,036,618
	Expenses	Operating	Salaries	14,259,693	15,499,850	17,637,297	17,021,561	19,111,472
Benefits			10,245,322	10,880,224	12,295,877	13,507,675	15,515,836	
Other O&M			7,323,386	8,493,778	9,987,587	11,000,404	11,389,187	
Consult, Legal, Temp			4,494,197	5,290,713	6,916,399	7,746,833	6,070,150	
Fed/St/Co Fees			870,217	1,288,305	1,630,715	1,612,215	1,632,068	
Debt Service			4,427,691	4,190,490	4,190,368	4,190,368	4,190,368	
Fixed Assets			1,388,880	1,912,830	2,369,770	2,105,719	2,406,289	
Transfer Outs			2,994,908	4,315,000	10,980,000	10,980,000	13,894,500	
Operating Sum				46,004,293	51,871,189	66,008,013	68,164,775	74,209,870
Non Operating		Capital Projects	20,713,489	20,354,993	40,728,843	37,455,000	17,090,000	
Non Operating Sum		20,713,489	20,354,993	40,728,843	37,455,000	17,090,000		
Expenses Total			66,717,782	72,226,182	106,736,857	105,619,775	91,299,870	

2020 Budget: Water Division



		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
<u>Operating & Non Operating Budgets:</u>						
Operating	Revenues	27,083,575	30,466,686	38,416,197	41,509,672	44,347,643
	Expenses	34,209,017	37,155,770	41,234,741	43,279,958	45,213,811
	Operating Income	(7,125,441)	(6,689,084)	(2,818,543)	(1,770,286)	(866,168)
Non Operating	Revenues	15,629,363	19,646,939	32,013,452	27,574,953	13,520,875
	Expenses	16,595,413	16,369,800	35,577,388	32,325,000	12,430,000
	Non Operating Income	(966,050)	3,277,139	(3,563,936)	(4,750,047)	1,090,875
	Net Income*	(8,091,492)	(3,411,945)	(6,382,479)	(6,520,333)	224,706

* See Cash Schedule for Reserve Impact

2020 Budget: Recreation Division



2017 Act 2018 Act 2019 Fcst 2019 Bud 2020 Bud

Operating & Non Operating Budgets:

Operating	Revenues	2,261,743	2,376,305	2,450,400	2,470,124	2,657,126
	Expenses	1,948,036	2,150,332	2,117,164	2,427,160	2,535,524
	Operating Income	313,708	225,973	333,237	42,964	121,602
Non Operating	Revenues	200,000	315,000	315,000	315,000	315,000
	Expenses	343,876	795,512	303,000	315,000	315,000
	Non Operating Income	(143,876)	(480,512)	12,000	-	-
	Net Income*	169,832	(254,539)	345,237	42,964	121,602

* See Cash Schedule for Reserve Imp

2020 Budget: Electric Division



		<u>2017 Act</u>	<u>2018 Act</u>	<u>2019 Fcst</u>	<u>2019 Bud</u>	<u>2020 Bud</u>
<u>Operating & Non Operating Budgets:</u>						
Operating	Revenues	23,518,078	23,561,491	24,208,576	20,124,690	21,195,975
	Expenses	9,847,241	12,565,087	22,656,109	22,457,658	26,460,535
	Operating Income	13,670,837	10,996,404	1,552,467	(2,332,968)	(5,264,560)
Non Operating	Expenses	3,774,201	3,189,681	4,848,456	4,815,000	4,345,000
	Net Income*	9,896,637	7,806,723	(3,295,989)	(7,147,968)	(9,609,560)

* See Cash Schedule for Reserv

2020 Budget: Staffing Comparison



Department	2019 FTE	2020 FTE
10115 Management	8	8
10116 Watershed	1	1
10117 Human Resources	3	3
10118 Information Technology	3	3
10119 Safety	2	2
10131 Cashiering	2	2
10133 Customer Service	10	10
10135 Accounting	7	7
10151 Engineering	18	18
10171 Water Operations	43	43
10191 Maintenance	61	63
10192 Vegetation	6	6
10193 Purchasing	5	5
10195 Shop Operations	4	4
30250 Recreation General	7	7
30251 Recreation Upper Division	2	2
50112 Electric Administration	6	7
50161 Electric Operations	14	14
50167 Electric Maintenance	12	14
District FTEs (excl Dir)	214	219

2020 Budget: 2019 Cash Balances



	Water	DS, CapFees	2016A Bond	Recreation	Electric	Total Cash		
2018 Unaudited Cash	11,423,039	6,010,785	12,522,962	710,335	58,452,409	89,119,530		
2019 Revenues Forecast	70,429,650	-	-	2,765,400	24,208,576	97,403,626		
2019 Expenses Forecast	76,812,128	-	-	2,420,164	27,504,565	106,736,857		
Net Income 2019	(6,382,479)	-	-	345,237	(3,295,989)	(9,333,231)	Considers Encumbr	
Restricted Cash: Cap Fees, Bonds	-	(140,086)	(12,522,962)	-	-	(12,663,048)		
2019 Unaudited Cash	5,040,560	5,870,699	-	1,055,572	55,156,420	67,123,251		
2019 Cash Breakdown:								
<u>Policy 3040</u>	<u>Restricted</u>						<u>Policy Amounts</u>	
3040.3.1	Capacity Fees	-	5,259,519	-	-	5,259,519	\$2M minimum	
3040.3.2	Debt Service	-	611,180	-	-	611,180	Covenant Driven	
3040.3.3	Bond/Loan/Fiduciary	-	-	-	-	-	Covenant Driven	
	Restricted Total	-	5,870,699	-	-	5,870,699		
	Designated	0.75		1.41	6.00			
3040.4.1	Operating	2,449,401	-	-	269,820	9,820,629	12,539,850	Suspended
3040.4.2	Water Rate Stabilization	-	-	-	-	-	-	\$0 minimum
3040.4.3	Community Investment Stabilization	-	-	-	-	-	-	\$1.5M maximum
3040.4.4	Capital Improvement/Replacement	-	-	-	500,000	15,000,000	15,500,000	see below*
3040.4.4	Capital Improvement: FERC License	-	-	-	-	24,202,293	24,202,293	\$35M minimum
3040.4.5	Insurance and Catastrophic Occurrence	-	-	-	-	5,000,000	5,000,000	\$5 - 10M
3040.4.6	Watershed Stewardship	500,000	-	-	-	-	500,000	500K minimum
3040.4.7	Accrued Leave	1,091,159	-	-	35,752	133,498	1,260,409	50% liability
	Designated Total	4,040,560	-	-	805,572	54,156,420	59,002,552	
	Working Capital							
	Operating Cash	1,000,000	-	-	250,000	1,000,000	2,250,000	
2019 Unaudited Cash	5,040,560	5,870,699	-	1,055,572	55,156,420	67,123,251		

* Minimum Reserves: Water - \$22M, Recreation - \$500K, Hydroelectric - \$15M

2020 Budget: 2020 Cash Balances



	Water	DS, CapFees	2016A Bond	Recreation	Electric	Total Cash
2019 Unaudited Cash	5,040,560	5,870,699	-	1,055,572	55,156,420	67,123,251

2020 Revenues Budget	57,868,517	-	-	2,972,126	21,195,975	82,036,618
2020 Expenses Budget	57,643,811	-	-	2,850,524	30,805,535	91,299,870
2020 Operating Income	(866,168)	-	-	121,602	(9,609,560)	(10,354,126)
2020 Non operating income	1,090,875	-	-	-	-	1,090,875
Restricted Cash: Cap Fees, Bonds	-	(142,537)	-	-	-	(142,537)
2020 Cash	5,265,266	5,728,162	-	1,177,174	45,546,860	57,717,462

Considers Encumbr

2020 Cash Breakdown:

Policy 3040	Restricted						Policy Amounts	
3040.3.1	Capacity Fees	-	5,116,982	-	-	-	5,116,982	\$2M minimum
3040.3.2	Debt Service	-	611,180	-	-	-	611,180	Covenant Driven
3040.3.3	Bond/Loan/Fiduciary	-	-	-	-	-	-	Covenant Driven
	Restricted Total	-	5,728,162	-	-	-	5,728,162	
	Designated	0.46		1.97	2.34			
3040.4.1	Operating	1,583,233	-	-	391,422	4,413,362	6,388,017	Suspended
3040.4.2	Water Rate Stabilization	-	-	-	-	-	-	\$0 minimum
3040.4.3	Community Investment Stabilization	-	-	-	-	-	-	\$1.5M maximum
3040.4.4	Capital Improvement/Replacement	1,090,875	-	-	500,000	15,000,000	16,590,875	see below*
3040.4.4	Capital Improvement: FERC License	-	-	-	-	20,000,000	20,000,000	\$35M minimum
3040.4.5	Insurance and Catastrophic Occurrence	-	-	-	-	5,000,000	5,000,000	\$5 - 10M
3040.4.6	Watershed Stewardship	500,000	-	-	-	-	500,000	500K minimum
3040.4.7	Accrued Leave	1,091,159	-	-	35,752	133,498	1,260,409	50% liability
	Designated Total	4,265,267	-	-	927,174	44,546,860	49,739,300	
	Working Capital							
	Operating Cash	1,000,000	-	-	250,000	1,000,000	2,250,000	
	2020 Cash	5,265,267	5,728,162	-	1,177,174	45,546,860	57,717,462	

* Minimum Reserves: Water - \$22M, Recreation - \$500K, Hydroelectric - \$15M

2020 Budget: Debt Service Coverage



	<u>2019 Fcst</u>	<u>2020 Bud</u>
Net Water Revenues	14,110,663	16,445,074
Net Hydro Revenues	<u>1,552,467</u>	<u>(5,264,560)</u>
Net Revenues Available for DS	15,663,130	11,180,514
Total Debt Service	4,190,493	4,190,368
Debt Service Coverage	3.74	2.67

Notes: Excludes Recreation, Bond Proceeds & Capacity fees, includes applicable Transfer Ins



Nevada Irrigation District

2020 Short-term & 5-Year Cash Forecasts

2020 Short-term Cash Forecast



Forecast ⇒

	2019	Q1 2020	Q2 2020	Q3 2020	Q4 2020
UB MoneyMkt	-				
Wells Fargo	2,091,310				
LAIF	14,633,211				
Short-T Cash	\$ 16,724,521				

	Reconcile to Budget
Receipts	66,070,539
Disbursements	77,405,370
Budget Rec - Disb	(11,334,831)
Transfer Ins & Outs	971,579
Interest Income	1,100,000
Original Budget	(9,263,252)

Wells Fargo/Tri Counties

Budget Receipts	18,680,332	17,402,099	16,325,636	13,662,472
Budget Disbursements	19,029,944	17,047,158	21,743,253	19,585,015
LAIF Transfer Ins/(Outs)	300,000	(300,000)	5,400,000	5,900,000
Ending Balance	2,041,698	2,096,639	2,079,022	2,056,479

LAIF

Transfer Ins/(Outs) WF	(300,000)	300,000	(5,400,000)	(5,900,000)
Transfer Ins/(Outs) UB	2,275,000	2,964,286	775,000	6,525,000
Ending Balance	16,608,211	19,872,497	15,247,497	15,872,497

Total Short-Term Cash **\$ 18,649,909** **\$ 21,969,136** **\$ 17,326,519** **\$ 17,928,976**

Note: Assumes encumbrances will roll annually

2020 Budget: 5 Year Forecast – 5.72% Assumption



- Revenue Assumptions
 - Water Sales: 5.72% + 2% Demand throughout forecast
 - Water Other: 4% (Installs, Reimbursements, Rents, Leases, etc.)
 - Water Property taxes: 3% over budget
 - Water Grants: \$1.8 Million
 - Recreation: Sufficient to achieve 6 month reserves by 2024
 - Electric: 2.4% over 2020 expected level
 - Hydro Transfer Ins: \$35.6M to Water, \$315K for 2020 only to Recreation

- Labor Costs Assumptions
 - 2020 FTE budget level, 3.5% Cola, 5% for normal step increase
 - 5% for Medical, Dental, Vision
 - 3.42% PERS over years up to 40.5% salary, \$2.2M for OPEB

- O&M, Debt, Capital Costs
 - O&M: 3.25% inflation adjustment over 2020 budget
 - Debt Service: \$29.4M, includes new issuance of \$34.5M at 4.5% for 30 Years
 - Capital: \$103.3M, will bond for \$34.5M

- Cash Flow Assumptions: Unrestricted Reserve Levels
 - 2020: \$55.6M (see Division breakdown)
 - 2024: \$43.4M (negative operating cash in Water Fund)

2020 Budget: 5 Year Forecast – Reserve Recovery



- Revenue Assumptions
 - Water Sales: Sufficient to achieve 6 month reserves by 2024
 - Water Other: 4% (Installs, Reimbursements, Rents, Leases, etc.)
 - Water Property taxes: 3% over budget
 - Water Grants: \$1.8 Million
 - Recreation: Sufficient to achieve 6 month reserves by 2024
 - Electric: 2.4% over 2020 expected level
 - Hydro Transfer Ins: \$35.6M to Water, \$315K for 2020 only to Recreation

- Labor Costs Assumptions
 - 2020 FTE budget level, 3.5% Cola, 5% for normal step increase
 - 5% for Medical, Dental, Vision
 - 3.42% PERS over years up to 40.5% salary, \$2.2M for OPEB

- O&M, Debt, Capital Costs
 - O&M: 3.25% inflation adjustment over 2020 budget
 - Debt Service: \$29.4M, includes new issuance of \$34.5M at 4.5% for 30 Years
 - Capital: \$103.3M, will bond for \$34.5M

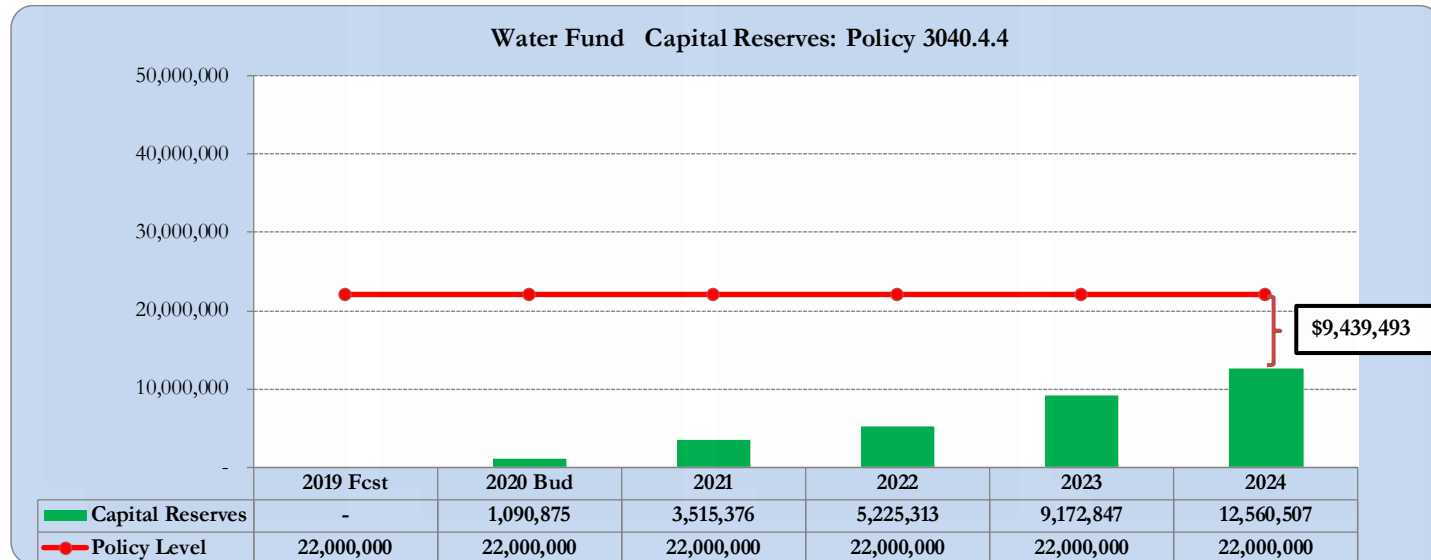
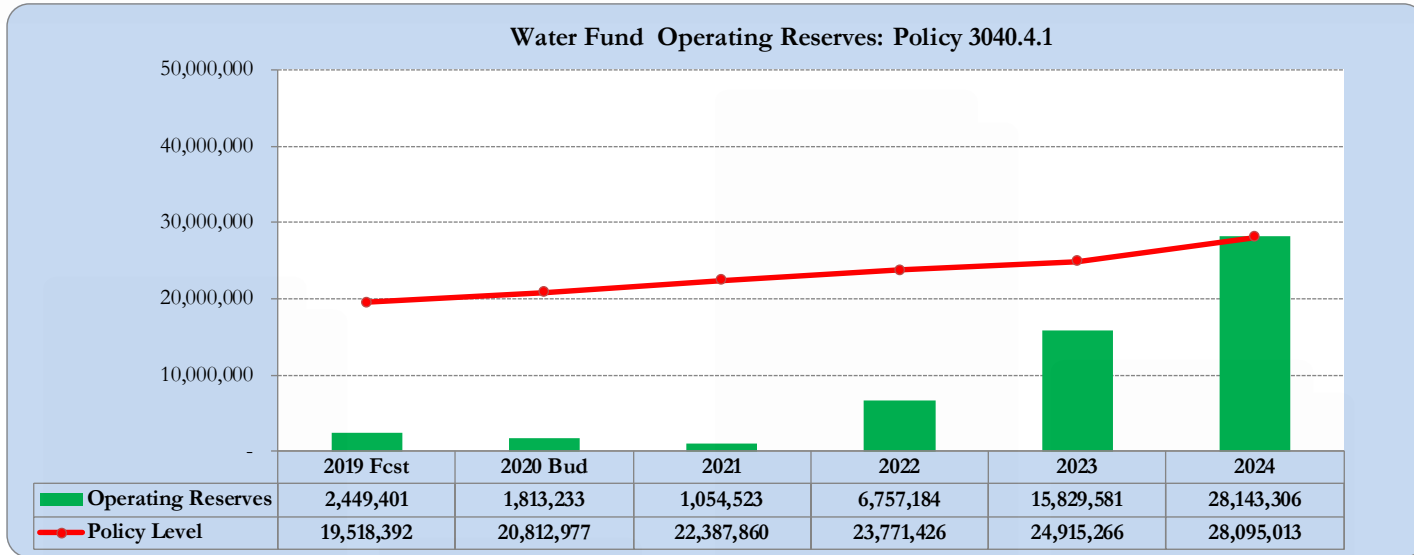
- Cash Flow Assumptions: Unrestricted Reserve Levels
 - 2020: \$55.6M (see Division breakdown)
 - 2024: \$108.8M

2020 Budget: 5 Year Forecast Reserves – 5.72 Assumption

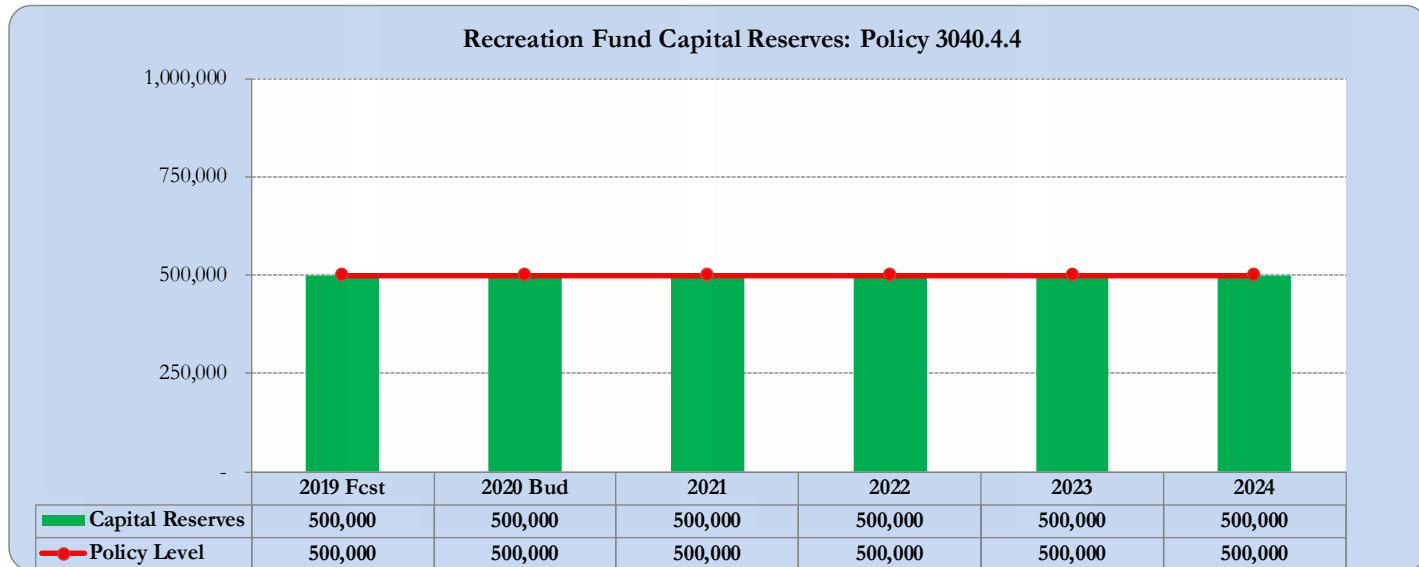
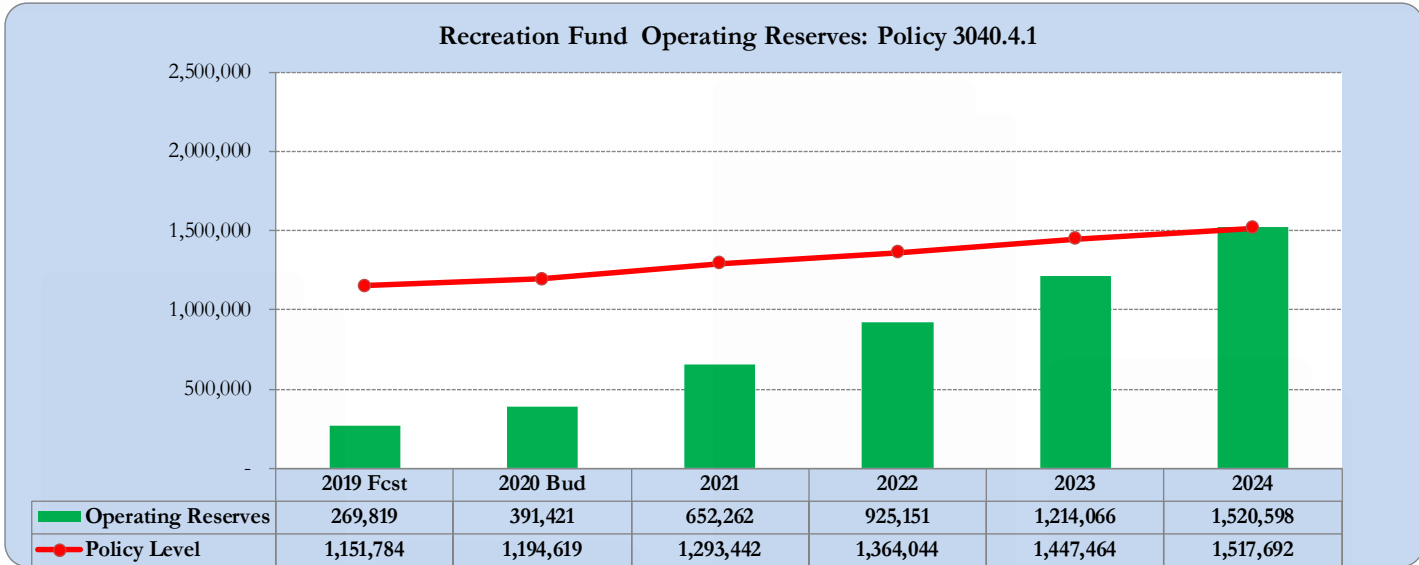


		2019 Fcst	2020 Bud	2021	2022	2023	2024	
Water Division								
	FY 2018 Unrestricted Balance	11,423,039						
	FY 2018 Restricted Balance	18,533,746						
	Water Operating Net Income	(2,818,543)	(886,168)	(9,102,008)	(9,071,898)	(8,936,954)	(8,537,618)	
	Water Non Oper Net Income	(3,563,936)	1,090,875	2,424,501	1,709,936	3,947,534	3,387,660	
	Total Unrestricted	<u>5,040,560</u>	<u>5,245,267</u>	<u>(1,432,240)</u>	<u>(8,794,201)</u>	<u>(13,783,621)</u>	<u>(18,933,579)</u>	
	Total Restricted	5,870,698	5,728,161	33,383,129	18,327,059	5,697,508	4,722,004	
Cash Breakdown:								
Policy	Restricted Reserves							Policy Amounts
3040.3.1	Capacity Fee Balance	5,259,518	5,116,981	4,871,949	4,622,629	4,368,946	4,110,823	\$2M minimum
3040.3.2	Debt Service	611,180	611,180	611,180	611,180	611,180	611,180	Covenant Driven
3040.3.3	Bonds/Loans/Fiduciary	-	-	27,900,000	13,093,250	717,382	0	Covenant Driven
	Restricted Total	5,870,698	5,728,161	33,383,129	18,327,059	5,697,508	4,722,004	
	Designated Reserves	0.75	0.52	-2.62	-4.76	-6.69	-8.86	Oper Res months
3040.4.1	Operating	2,449,401	1,813,233	(9,788,775)	(18,860,673)	(27,797,627)	(36,335,245)	assume 6 months
3040.4.2	Water Rate Stabilization	-	-	-	-	-	-	\$0 minimum
3040.4.3	Community Investment Stabiliza	-	-	-	-	-	-	\$1.5M
3040.4.4	Capital Improvement/Replacem	-	1,090,875	3,515,376	5,225,313	9,172,847	12,560,507	\$22M minimum
3040.4.5	Insurance and Catastrophic	-	-	2,500,000	2,500,000	2,500,000	2,500,000	\$2.5 - 5M
3040.4.6	Watershed Stewardship	500,000	500,000	500,000	500,000	500,000	500,000	\$500K minimum
3040.4.7	Accrued Leave	1,091,159	1,091,159	1,091,159	1,091,159	1,091,159	1,091,159	50% liability
	Designated Total	4,040,560	4,495,267	(2,182,240)	(9,544,201)	(14,533,621)	(19,683,579)	
	Working Capital							
3040.5.1	Operating Total	1,000,000	750,000	750,000	750,000	750,000	750,000	
	Water Total Urestricted	<u>5,040,560</u>	<u>5,245,267</u>	<u>(1,432,240)</u>	<u>(8,794,201)</u>	<u>(13,783,621)</u>	<u>(18,933,579)</u>	
	Water Total Restricted	5,870,698	5,728,161	33,383,129	18,327,059	5,697,508	4,722,004	

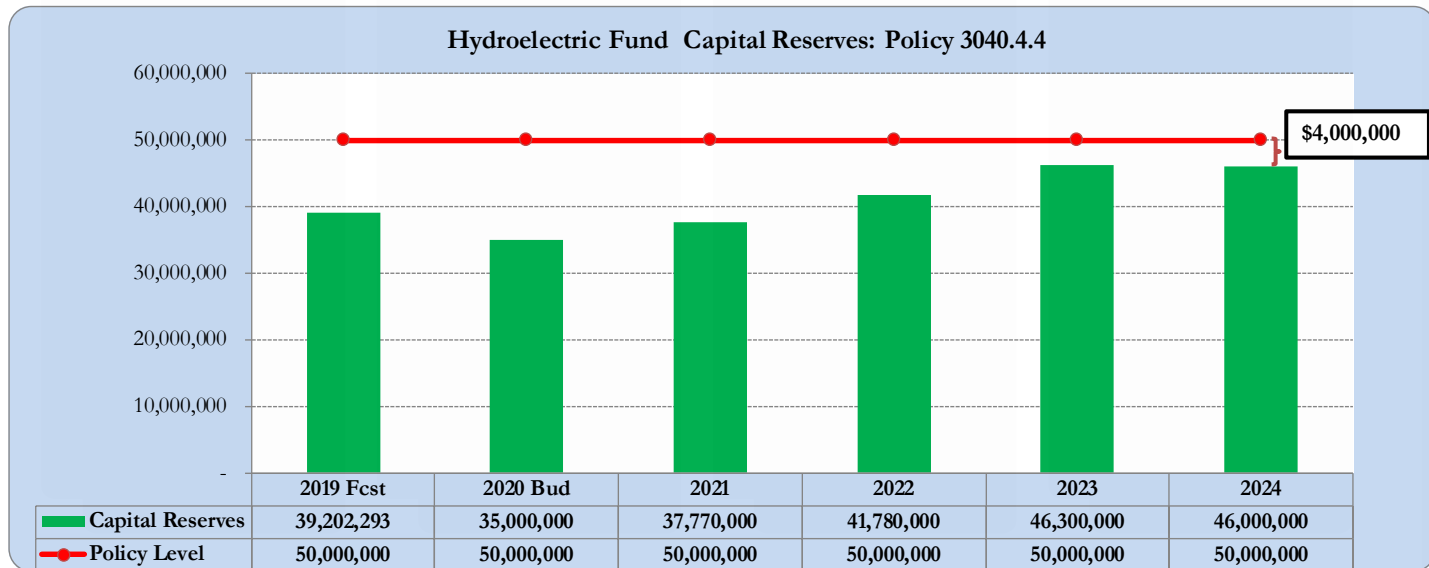
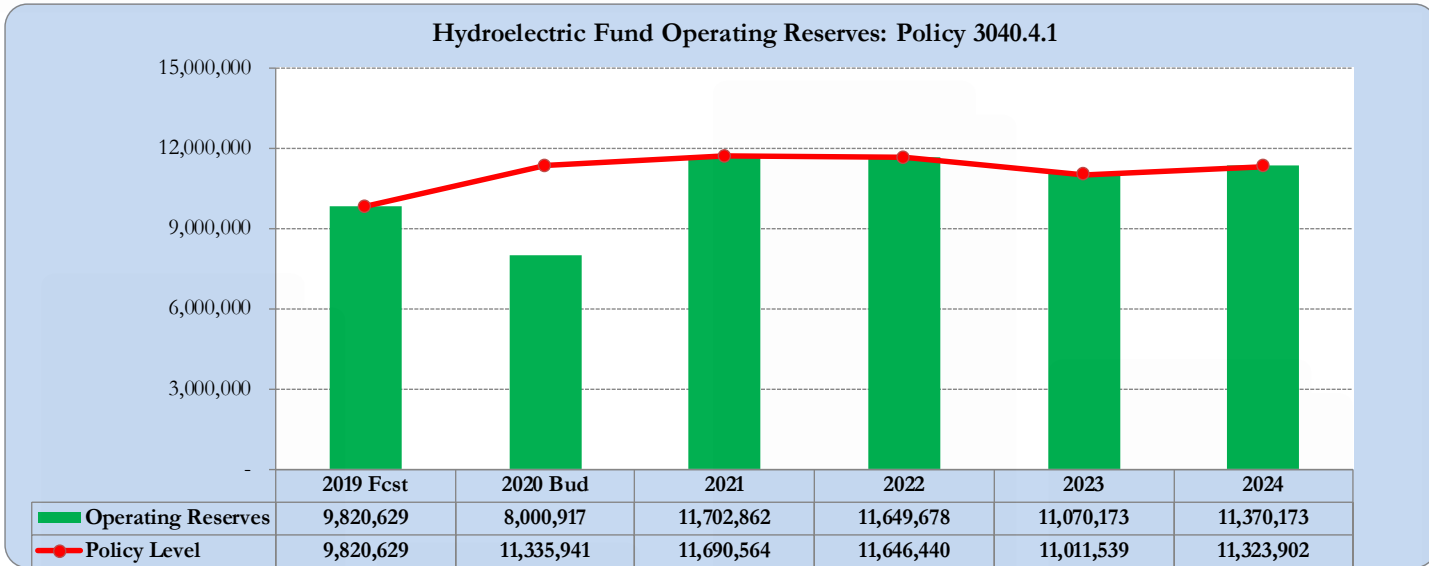
2020 Budget: 5 Year Forecast – Reserve Recovery



2020 Budget: 5 Year Forecast – Reserve Recovery



2020 Budget: 5 Year Forecast – Reserve Recovery



2020 Budget: 5 Year Forecast Reserves – Reserve Recovery



		2019 Fcst	2020 Bud	2021	2022	2023	2024	
Water Division								
	FY 2018 Unrestricted Balance	11,423,039						
	FY 2018 Restricted Balance	18,533,746						
	Water Operating Net Income	(2,818,543)	(886,168)	1,741,290	5,702,661	9,072,397	12,313,725	
	Water Non Oper Net Income	(3,563,936)	1,090,875	2,424,501	1,709,936	3,947,534	3,387,660	
	Total Unrestricted	<u>5,040,560</u>	<u>5,245,267</u>	<u>9,411,059</u>	<u>16,823,656</u>	<u>29,843,587</u>	<u>45,544,972</u>	
	Total Restricted	<u>5,870,698</u>	<u>5,728,161</u>	<u>33,383,129</u>	<u>18,327,059</u>	<u>5,697,508</u>	<u>4,722,004</u>	
Cash Breakdown:								
<u>Policy</u>	<u>Restricted Reserves</u>							<u>Policy Amounts</u>
3040.3.1	Capacity Fee Balance	5,259,518	5,116,981	4,871,949	4,622,629	4,368,946	4,110,823	\$2M minimum
3040.3.2	Debt Service	611,180	611,180	611,180	611,180	611,180	611,180	Covenant Driven
3040.3.3	Bonds/Loans/Fiduciary	-	-	27,900,000	13,093,250	717,382	0	Covenant Driven
	Restricted Total	<u>5,870,698</u>	<u>5,728,161</u>	<u>33,383,129</u>	<u>18,327,059</u>	<u>5,697,508</u>	<u>4,722,004</u>	
	Designated Reserves	<u>0.75</u>	<u>0.52</u>	<u>0.28</u>	<u>1.71</u>	<u>3.81</u>	<u>6.01</u>	Oper Res months
3040.4.1	Operating	2,449,401	1,813,233	1,054,523	6,757,184	15,829,581	28,143,306	assume 6 months
3040.4.2	Water Rate Stabilization	-	-	-	-	-	-	\$0 minimum
3040.4.3	Community Investment Stabiliza	-	-	-	-	-	-	\$1.5M
3040.4.4	Capital Improvement/Replacem	-	1,090,875	3,515,376	5,225,313	9,172,847	12,560,507	\$22M minimum
3040.4.5	Insurance and Catastrophic	-	-	2,500,000	2,500,000	2,500,000	2,500,000	\$2.5 - 5M
3040.4.6	Watershed Stewardship	500,000	500,000	500,000	500,000	500,000	500,000	\$500K minimum
3040.4.7	Accrued Leave	1,091,159	1,091,159	1,091,159	1,091,159	1,091,159	1,091,159	50% liability
	Designated Total	<u>4,040,560</u>	<u>4,495,267</u>	<u>8,661,059</u>	<u>16,073,656</u>	<u>29,093,587</u>	<u>44,794,972</u>	
	Working Capital							
3040.5.1	Operating Total	<u>1,000,000</u>	<u>750,000</u>	<u>750,000</u>	<u>750,000</u>	<u>750,000</u>	<u>750,000</u>	
	Water Total Urestricted	<u>5,040,560</u>	<u>5,245,267</u>	<u>9,411,059</u>	<u>16,823,656</u>	<u>29,843,587</u>	<u>45,544,972</u>	
	Water Total Restricted	<u>5,870,698</u>	<u>5,728,161</u>	<u>33,383,129</u>	<u>18,327,059</u>	<u>5,697,508</u>	<u>4,722,004</u>	

2020 Budget: 5 Year Forecast Reserves – Reserve Recovery



		2019 Fcst	2020 Bud	2021	2022	2023	2024	
Recreation Division								
	FY 2018 Balance	710,335						
	Recreation Net Income	345,236	121,602	274,126	286,839	303,562	321,876	
	Total Unrestricted	<u>1,055,571</u>	<u>1,177,173</u>	<u>1,451,299</u>	<u>1,738,139</u>	<u>2,041,701</u>	<u>2,363,577</u>	
Cash Breakdown:								
	Designated Reserves	1.41	1.97	3.09	4.19	5.21	6.24	Oper Res months
3040.4.1	Operating	269,819	391,421	665,547	952,387	1,255,949	1,577,825	assume 6 months
3040.4.4	Capital Improvement/Replacement	500,000	500,000	500,000	500,000	500,000	500,000	\$500K minimum
3040.4.7	Accrued Leave	35,752	35,752	35,752	35,752	35,752	35,752	50% liability
	Designated Total	805,571	927,173	1,201,299	1,488,139	1,791,701	2,113,577	
	Working Capital							
3040.5.1	Operating Cash	250,000	250,000	250,000	250,000	250,000	250,000	
	Recreation Total	<u>1,055,571</u>	<u>1,177,173</u>	<u>1,451,299</u>	<u>1,738,139</u>	<u>2,041,701</u>	<u>2,363,577</u>	

2020 Budget: 5 Year Forecast Reserves – Reserve Recovery



		2019 Fcst	2020 Bud	2021	2022	2023	2024	
Hydroelectric Division								
	FY 2018 Balance	58,452,409						
	Hydro Net Income	(3,295,989)	(6,022,005)	3,971,946	3,956,816	3,940,495	(0)	
	Total Unrestricted	<u>55,156,420</u>	<u>49,134,415</u>	<u>53,106,360</u>	<u>57,063,176</u>	<u>61,003,671</u>	<u>61,003,671</u>	
Cash Breakdown:								
	Designated Reserves	6.00	4.23	6.01	6.00	6.03	6.02	
3040.4.1	Operating	9,820,629	8,000,917	11,702,862	11,649,678	11,070,173	11,370,173	Oper Res months assume 6 months
3040.4.4	Capital Improvement/Replacem	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	15,000,000	\$15M minimum
3040.4.4	Capital Improvement/FERC	24,202,293	20,000,000	22,770,000	26,780,000	31,300,000	31,000,000	\$35M minimum
3040.4.5	Insurance and Catastrophic	5,000,000	5,000,000	2,500,000	2,500,000	2,500,000	2,500,000	\$2.5 - 5M
3040.4.7	Accrued Leave	133,498	133,498	133,498	133,498	133,498	133,498	50% liability
	Designated Total	<u>54,156,420</u>	<u>48,134,415</u>	<u>52,106,360</u>	<u>56,063,176</u>	<u>60,003,671</u>	<u>60,003,671</u>	
	Working Capital							
3040.5.1	Operating Cash	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	
	Hydroelectric Total	<u>55,156,420</u>	<u>49,134,415</u>	<u>53,106,360</u>	<u>57,063,176</u>	<u>61,003,671</u>	<u>61,003,671</u>	
District Total								
	District Total Unrestricted	61,252,551	55,556,855	63,955,432	75,597,735	92,847,076	108,854,993	
	District Total Restricted	5,870,698	5,728,161	33,383,129	18,327,059	5,697,508	4,722,004	
	Days Cash on Hand (DCOH)	339	273	325	369	436	492	

2020 Budget: 5 Year Forecast DSC Ratio – Reserve Recovery



	2019 Fcst	2020 Bud	2021	2022	2023	2024
Net Revenues Avail for DS	15,663,005	14,748,070	25,524,127	29,875,803	33,646,815	37,326,583
Debt Service						
2011A Revenue Bonds	1,502,165	1,502,165	1,502,165	1,502,165	1,502,165	1,502,165
2016A Revenue Bonds	2,077,144	2,077,144	2,077,144	2,077,144	2,077,144	2,077,144
CDPH Loan	611,179	611,179	611,179	611,179	611,179	611,179
2021A Revenue Bonds	-	-	2,106,022	2,106,022	2,106,022	2,106,022
Total Debt Service	4,190,488	4,190,488	6,296,510	6,296,510	6,296,510	6,296,510
Net Revenue after Debt Service	<u>\$ 11,472,517</u>	<u>\$ 10,557,582</u>	<u>\$ 19,227,617</u>	<u>\$ 23,579,293</u>	<u>\$ 27,350,306</u>	<u>\$ 31,030,074</u>
DSC Ratio	3.74	3.52	4.05	4.74	5.34	5.93

Notes: Excludes Recreation Fees, Bond Proceeds & includes Transfer Ins from CFD, AD, applicable Capacity Fees



Thank You and Questions