

# Staff Report

for the Water and Hydroelectric Operations Committee Meeting of August 19, 2020

**TO:** Water and Hydroelectric Operations Committee

**FROM:** Keane Sommers, P.E., Hydroelectric Manager *KSS*

**DATE:** August 12, 2020

**SUBJECT:** Preliminary 2021 Hydroelectric Department Budgets

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## ***HYDROELECTRIC***

### **RECOMMENDATION:**

Review and discuss the preliminary 2021 budgets for the Hydroelectric Administration, Operations, and Maintenance Departments.

### **BACKGROUND:**

As a practice, the District's budgeting cycle spans from June to December, culminating in adoption of the Budget prior to January 1. Adoption of the budget grants staff authorization to spend District resources in the upcoming fiscal year. If the adopted Budget does not occur prior to January 1, the Board must adopt a resolution authoring expenditures for the upcoming year. The District strives to maintain the following budget calendar:

- June – Staff develops detail revenue estimates
- July – Finance and Human Resources develops detailed labor estimates
- August – Department Managers review labor estimates & develop expenses
- August – Engineering develops 5-Years CIP and presents to Committee
- August thru September – General Manager (GM) and staff edit preliminary budget
- September – GM and Finance Manager presents preliminary budget to Administrative Practices Committee
- October thru December – GM and Finance Manager present to Board

The Board of Directors adopts the annual budget by considering forecasted reserve levels in accordance with reserve policy 3040.

**BUDGETARY IMPACT:**

The following tables demonstrate the financial and percentage impact between the 2021 preliminary budgets and 2020 budget including the Mid-Year amendment.

Department Budget: <b>50112 Hydro Administration</b>		
<b>Budget Impacts</b>	<b>2020</b>	<b>2021</b>
* Salary (Excludes 51201 Temp Salary)	786,209	766,260
* Benefits	617,649	682,541
* Temporary (51201, 52609)	62,400	25,520
* Non Labor Operating	3,380,418	3,955,956
* Capital projects	4,345,000	5,435,000
* 54000 Transfer Out	13,894,500	6,315,000
<b>Totals</b>	<b>23,086,176</b>	<b>17,180,276</b>
% Change		
* Salary (Excludes 51201 Temp Salary)		-2.54%
* Benefits		10.51%
* Temporary (51201, 52609)		-59.10%
* Non Labor Operating		17.03%
* Capital projects		25.09%
* 54000 Transfer Out		-54.55%
<b>Overall</b>		<b>-25.58%</b>

Department Budget: <b>50161 Hydro Operations</b>		
<b>Budget Impacts</b>	<b>2020</b>	<b>2021</b>
* Salary (Excludes 51201 Temp Salary)	1,501,648	1,503,923
* Benefits	964,904	857,662
* Temporary (51201, 52609)	20,000	20,000
* Non Labor Operating	1,012,451	510,250
* Capital projects	-	-
* 54000 Transfer Out	-	-
<b>Totals</b>	<b>3,499,003</b>	<b>2,891,835</b>
% Change		
* Salary (Excludes 51201 Temp Salary)		0.15%
* Benefits		-11.11%
* Temporary (51201, 52609)		0.00%
* Non Labor Operating		-49.60%
* Capital projects		0.00%
* 54000 Transfer Out		0.00%
<b>Overall</b>		<b>-17.35%</b>

Department Budget: <b>50167 Hydro Maintenance</b>		
<b>Budget Impacts</b>	<b>2020</b>	<b>2021</b>
* Salary (Excludes 51201 Temp Salary)	1,468,052	1,438,554
* Benefits	966,464	845,034
* Temporary (51201, 52609)	99,840	67,620
* Non Labor Operating	1,686,000	1,722,500
* Capital projects	-	-
* 54000 Transfer Out	-	-
<b>Totals</b>	<b>4,220,356</b>	<b>4,073,708</b>
<b>% Change</b>		
* Salary (Excludes 51201 Temp Salary)		-2.01%
* Benefits		-12.56%
* Temporary (51201, 52609)		-32.27%
* Non Labor Operating		2.16%
* Capital projects		0.00%
* 54000 Transfer Out		0.00%
<b>Overall</b>		<b>-3.47%</b>

Department Budget: <b>All Hydro Departments</b>		
<b>Budget Impacts</b>	<b>2020</b>	<b>2021</b>
* Salary (Excludes 51201 Temp Salary)	3,755,909	3,708,737
* Benefits	2,549,017	2,385,237
* Temporary (51201, 52609)	182,240	113,140
* Non Labor Operating	6,078,869	6,188,706
* Capital projects	4,345,000	5,435,000
* 54000 Transfer Out	13,894,500	6,315,000
<b>Totals</b>	<b>30,805,535</b>	<b>24,145,819</b>
<b>% Change</b>		
* Salary (Excludes 51201 Temp Salary)		-1.26%
* Benefits		-6.43%
* Temporary (51201, 52609)		-37.92%
* Non Labor Operating		1.81%
* Capital projects		25.09%
* 54000 Transfer Out		-54.55%
<b>Overall</b>		<b>-21.62%</b>

Attachment:

- Preliminary 2021 Hydroelectric Administration, Operations, and Maintenance Departments

**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: 50112 Hydro Administration

Account	Typical Type of Charge	Actual	Forecast	Mid-Year	
		FY 2019	FY 2020	Amended Bud	FY 2021
		50112 Hydro Admin	50112 Hydro Admin	50112 Hydro Admin	50112 Hydro Admin
51101 Salary		523,901	783,709	783,709	763,760
51105 Overtime		1,100	1,000	2,000	2,000
51106 Double Time		195	500	500	500
51144 Standby					-
51201 Temporary Salary		47,328	62,400	62,400	25,520
51305 Air Ambulance					-
51306 Short-term Disability		814	1,016	1,131	1,211
51308 Employee Assistance Plan		-	-	-	-
51310 Medicare		8,425	10,465	11,364	11,075
51311 Pension Premiums		171,930	242,453	277,433	275,345
51312 Health Insurance		104,433	119,613	183,824	136,839
51313 Life Insurance		6,949	7,674	6,414	6,251
51314 Dental		6,232	8,034	10,840	10,836
51315 Vision		957	1,231	1,358	1,361
51316 Long Term Disability		767	971	3,527	3,437
51317 Workers Compensation		8,777	22,758	22,758	19,556
51321 Health Benefits Retirees		129,847	112,029	-	117,630
51324 OPEB Net ARC		99,000	99,000	99,000	99,000

**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: 50112 Hydro Administration

Account	Typical Type of Charge	Actual	Forecast	Mid-Year	
		FY 2019	FY 2020	Amended Bud	FY 2021
		50112 Hydro Admin	50112 Hydro Admin	50112 Hydro Admin	50112 Hydro Admin
52501 Chemicals		90,124	70,000	85,000	85,000
	Fuel Expense			85,000	85,000
52503 Equipment Maintenance		10,776	25,000	56,000	36,000
	Software Service Agreements & License Fees			6,000	6,000
	CMMS License Fees			20,000	20,000
	Temporary Office Space			20,000	
	Vehicle Expenses			10,000	10,000
52504 Materials		3,669	1,658	20,000	10,000
	Misc. Supplies			10,000	5,000
	Admin Office, Shop & Warehouse Buildings and Grounds			10,000	5,000
52505 Safety		16,219	16,965	6,000	8,500
	Safety Equipment			5,000	7,500
	Arc Flash Gear & Clothing			1,000	1,000
52506 Small Tools		67	2,500	5,000	5,000
	Misc Tools			5,000	5,000

## Nevada Irrigation District

Fiscal Year: 2021

Department Budget: 50112 Hydro Administration

		Actual	Forecast	Mid-Year	
		FY 2019	FY 2020	FY 2020	FY 2021
Account	Typical Type of Charge	50112 Hydro Admin	50112 Hydro Admin	50112 Hydro Admin	50112 Hydro Admin
52603	Consulting/Contractor Fees - 3rd party payments except: Attorneys & Staff	1,397,700	1,100,000	1,382,000	1,607,500
	Misc Engineering Services			100,000	50,000
	Truck GPS Trackers			1,000	1,000
	Prelicense Implementation of FERC Conditions			150,000	
	CAISO Support			25,000	25,000
	CAISO Required Testing				95,000
	NERC/WECC Services			100,000	100,000
	Hydro Relicensing			100,000	100,000
	Electrical Engineer Support Services			200,000	75,000
	Hazardous Waste Removal Fees			21,000	6,500
	CMMS Implementation			100,000	50,000
	EAP Update			25,000	25,000
	Dam Safety Related Studies			400,000	50,000
	FERC Part 12D & STID Update				440,000
	Milton Seismic Stability Study				175,000
	Penstock/Pipeline Inspections				150,000
	Rollins Foundation Inspection				75,000
	Janitorial/Landscape/Pest/etc			20,000	20,000
	Powerhouse Drawing Update			50,000	50,000
	Safety Consulting			25,000	
	General PPA Compliance			30,000	10,000
	Energy Resource Services			125,000	100,000
	Helicopter Expenses			10,000	10,000
52604	Legal Fees	117,495	40,000	75,000	75,000
52607	Franchise Fees	42,170	40,000	92,800	81,024
	Bowman			5,000	4,044
	Chicago Park			4,000	3,564
	Combie North			2,000	1,824
	Combie South			7,000	6,180
	Dutch Flat #2			3,000	2,376
	Rollins			19,000	18,288
	Deer Creek			46,800	43,404
	Scotts Flat			6,000	1,344

## Nevada Irrigation District

Fiscal Year: 2021

Department Budget: 50112 Hydro Administration

		Actual	Forecast	Mid-Year	
		FY 2019	FY 2020	Amended Bud	FY 2021
Account	Typical Type of Charge	50112 Hydro Admin	50112 Hydro Admin	50112 Hydro Admin	50112 Hydro Admin
52608	Fed/State/Co Fees	796,403	1,053,618	1,053,618	1,137,932
	Water Rights Fees			150,000	220,330
	FERC Fees Lands and Admin			350,000	
	FERC Admin Fees				137,563
	FERC Land Fees				175,182
	Hazardous Waste Fees			5,000	5,000
	USDA Forest Service			15,000	15,000
	USGS			74,000	71,000
	CA Water Resources Dam Fees			411,618	463,458
	Other Fees (WREGIS, DMV, CAISO, FCC)			48,000	50,400
52609	Temporary Labor - 3rd Party for Labor except: Attorneys & Consultants	-	-	-	-
	Temporary Workers				
52704	Insurance - All Insurance except Worker's Compensation	248,521	400,000	220,000	550,000
52706	Dues & Publications	23,525	27,500	27,500	27,500
	National Hydropower Association			21,000	21,000
	California Natural Diversity Database			1,000	1,000
	Association of State Dam Safety Officers			2,000	2,000
	Northwest Hydroelectric Association			1,000	1,000
	United States Society on Dams			1,500	1,500
	General			1,000	1,000
52709	Advertising/Legal Notices	-	-	-	-
52710	Office Supplies	12,390	15,000	26,000	26,000
	Furniture			5,000	5,000
	Tablets/Phones			1,000	1,000
	Computers			10,000	10,000
	Misc Supplies			10,000	10,000

**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: 50112 Hydro Administration

Account	Typical Type of Charge	Actual	Forecast	Mid-Year	
		FY 2019	FY 2020	Amended Bud	FY 2021
		50112 Hydro Admin	50112 Hydro Admin	50112 Hydro Admin	50112 Hydro Admin
52711 Education, Training, Meals		10,595	10,000	30,000	30,000
	Conferences, Seminars, PG&E Training			15,000	15,000
	Employee Professional Licenses			10,000	10,000
	Business Meals			2,000	2,000
	College Reimbursement			3,000	3,000
52713 Utilities		129,028	120,541	161,500	161,500
	Propane			15,000	15,000
	Electricity			60,000	60,000
	Landline Phones			15,000	15,000
	Cell Phones			15,000	15,000
	Trash Service			6,000	6,000
	Septic Pumping			1,000	1,000
	Quartz Peak Repeater Lease			2,000	2,000
	Satellite Data			10,000	10,000
	Potable Water			2,500	2,500
	Other			5,000	5,000
	Land Datalines			30,000	30,000
52901 Land/Easement Purchase		6,438	35,000	75,000	50,000
	General Land Acquisition			75,000	50,000
52902 Vehicle Purchases		-	40,000	40,000	40,000
	General Duty Trucks			40,000	40,000
52904 Equipment Purchases - (>=\$5K), except Safety Equipment		23,291	25,000	25,000	25,000
	Safety/Security Upgrades			25,000	25,000
52915 Project Bud: Non-Programmatic		23,835	489,942	250,000	250,000
	Loma Rica Powerhouse				
	Rollins 2 Powerhouse				
	Scotts Flat BESS				
	Hydro Office/Maintenance Shop			250,000	250,000



**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: 50112 Hydro Administration

Account	Typical Type of Charge	Actual	Forecast	Mid-Year	
		FY 2019	FY 2020	Amended Bud	FY 2021
		50112 Hydro Admin	50112 Hydro Admin	50112 Hydro Admin	50112 Hydro Admin
52920 Program Bud:	Powerhouse Improvements	489,290	1,585,000	1,585,000	1,925,000
	DCPH Controls/Automation				50,000
	DCPH Exciter				50,000
	DCPH Generator Breaker				50,000
	DF2PH Fire Suppression Upgrade				250,000
	DF2PH Cooling Water System				75,000
	CPPH Instrumentation				100,000
	CPPH Transformer Replacement				50,000
	CPPH Turbine Overhaul				100,000
	RPH Oil Circuit Breaker				200,000
	RPH BOP PLC				250,000
	RPH Relay Protection				150,000
	RPH Governor Replacement				50,000
	RPH Fire Suppression				50,000
	CSPH Access Road				200,000
	CSPH Instrument/Control/Protection Upgrade				300,000
52921 Program Bud:	Reservoir, Dam & Waterway Improvements	1,848,907	1,595,000	1,595,000	2,660,000
	Van Giesen (Combie) Dam Stabilization and Scour Protection				600,000
	French Dam Gage				520,000
	French Dam Upstream Lining and Spillway Training Wall				1,040,000
	Scotts Flat Spillway Repair				500,000
52922 Program Bud:	Lower Division Waterway	-	450,000	450,000	100,000
	Lower Division Waterway Repair Program				
52923 Program Bud:	Upper Division Waterway	-	200,000	200,000	300,000
	Fall Creek Flume Improvements				50,000
	Rucker Spill Gate Replacement				250,000
52924 Program Bud:	SCADA Communication Upgrade	-	265,000	265,000	200,000
	SCADA Communication Program				

Nevada Irrigation District					
Fiscal Year: 2021					
Department Budget: 50112 Hydro Administration					
Account	Typical Type of Charge	Actual	Forecast	Mid-Year	
		FY 2019 50112 Hydro Admin	FY 2020 50112 Hydro Admin	Amended Bud FY 2020 50112 Hydro Admin	FY 2021 50112 Hydro Admin
54000	Transfer Out	10,940,000	13,894,500	13,894,500	6,315,000
	Transfer to Water for Misc Services			150,000	-
	Water (\$13.3M ops), \$129.5K for ERP & CMMS Agreements			13,429,500	6,000,000
	Transfer to Recreation for Capital/Operating Reserve			315,000	315,000
	<b>Budget Impacts</b>			<b>2020</b>	<b>2021</b>
	* Salary (Excludes 51201 Temp Salary)			786,209	766,260
	* Benefits			617,649	682,541
	* Temporary (51201, 52609)			62,400	25,520
	* Non Labor Operating			3,380,418	3,955,956
	* Capital projects			4,345,000	5,435,000
	* 54000 Transfer Out			13,894,500	6,315,000
	<b>Totals</b>			<b>23,086,176</b>	<b>17,180,276</b>
	<b>% Change</b>				
	* Salary (Excludes 51201 Temp Salary)				-2.54%
	* Benefits				10.51%
	* Temporary (51201, 52609)				-59.10%
	* Non Labor Operating				17.03%
	* Capital projects				25.09%
	* 54000 Transfer Out				-54.55%
	<b>Overall</b>				<b>-25.58%</b>

**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: **50161 Hydro Operations**

Account	Typical Type of Charge	Actual	Forecast	Mid-Year Amended Bud	
		FY 2019 50161 Hydro Operations	FY 2020 50161 Hydro Operations	FY 2020 50161 Hydro Operations	FY 2021 50161 Hydro Operations
51101 Salary		1,069,985	1,374,648	1,374,648	1,376,923
51105 Overtime		64,345	35,000	75,000	75,000
51106 Double Time		15,614	10,000	20,000	20,000
51144 Standby		33,198	32,000	32,000	32,000
51201 Temporary Salary		-	10,000	20,000	20,000
51305 Air Ambulance					-
51306 Short-term Disability		1,240	1,244	1,302	1,302
51308 Employee Assistance Plan		-	-	-	-
51310 Medicare		17,110	16,138	19,932	19,965
51311 Pension Premiums		319,133	358,267	486,625	482,336
51312 Health Insurance		225,187	238,592	367,649	264,558
51313 Life Insurance		8,949	9,335	11,250	11,269
51314 Dental		13,156	13,999	21,680	21,672
51315 Vision		2,013	2,094	2,717	2,722
51316 Long Term Disability		1,662	1,742	6,186	6,196
51317 Workers Compensation		23,108	47,563	47,563	47,642
51321 Health Benefits Retirees					

**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: **50161 Hydro Operations**

		Actual	Forecast	Mid-Year Amended Bud	
Account	Typical Type of Charge	FY 2019 50161 Hydro Operations	FY 2020 50161 Hydro Operations	FY 2020 50161 Hydro Operations	FY 2021 50161 Hydro Operations
51324	OPEB Net ARC				
52501	Chemicals	309	500	1,000	1,000
	Fuel Expense			1,000	1,000
52503	Equipment Maintenance	61,172	50,000	107,100	107,250
	Hydstra Software Annual Maintenance			12,000	12,000
	OSI Software License			13,000	13,000
	Tempest Toolkit (Satellite Comms)			2,600	2,750
	Electrical Equipment			2,500	2,500
	Hydrography Equipment			60,000	60,000
	Vehicle Expenses			17,000	17,000
52504	Materials	25,532	11,328	46,000	46,000
	Misc. Supplies			30,000	30,000
	Civil/Mechanical Materials			16,000	16,000
52505	Safety	2,788	8,098	35,000	35,000
	Safety Equipment			25,000	25,000
	Arc Flash Gear & Clothing			10,000	10,000
52506	Small Tools	3,321	5,000	12,000	25,000
	Waterman Gate Operator				3,000
	Standby Generators				10,000
	Misc Tools			12,000	12,000
52603	Consulting/Contractor Fees - 3rd party payments except: Attorneys & Staffin	76,796	100,000	148,000	133,000
	Truck GPS Trackers			3,000	3,000
	Fire Protection Studies			50,000	15,000
	Pest Management			25,000	40,000
	Helicopter Expenses			70,000	75,000
52604	Legal Fees				-

**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: **50161 Hydro Operations**

Account	Typical Type of Charge	Actual	Forecast	Mid-Year Amended Bud	
		FY 2019 50161 Hydro Operations	FY 2020 50161 Hydro Operations	FY 2020 50161 Hydro Operations	FY 2021 50161 Hydro Operations
52607	Franchise Fees				-
52608	Fed/State/Co Fees	-	52	-	-
52609	Temporary Labor - 3rd Party for Labor except: Attorneys & Consultants	-	-	-	-
	Temporary Workers				
52704	Insurance - All Insurance except Worker's Compensation				-
52706	Dues & Publications				-
52709	Advertising/Legal Notices				-
52710	Office Supplies	-	2,500	5,000	10,000
	Tablets/Phones			5,000	5,000
	Computers				5,000
52711	Education, Training, Meals	11,322	20,000	40,000	40,000
	Conferences, Seminars, PG&E Training			40,000	40,000
	Employee Professional Licenses				
	Business Meals				
	College Reimbursement				
52713	Utilities	304	-	6,000	6,000
	Septic Pumping			6,000	6,000
52901	Land/Easement Purchase				-
	General Land Acquisition				

**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: **50161 Hydro Operations**

		Actual	Forecast	Mid-Year Amended Bud	
Account	Typical Type of Charge	FY 2019 50161 Hydro Operations	FY 2020 50161 Hydro Operations	FY 2020 50161 Hydro Operations	FY 2021 50161 Hydro Operations
52902	Vehicle Purchases	97,209	80,000	80,000	40,000
	General Duty Trucks			80,000	40,000
52904	Equipment Purchases - (>=\$5K), except Safety Equipment	59,924	532,351	532,351	67,000
	Hydrography Equipment			50,000	50,000
	Snowmobile				17,000
	Underwater ROV			40,000	
	Lathe for Shop			32,000	
	Standby Generator - DFPH, DFFI			410,351	
52915	Project Bud: Non-Programmatic				-
52920	Program Bud: Powerhouse Improvements				-
52921	Program Bud: Reservoir, Dam & Waterway Improvements				-
52922	Program Bud: Lower Division Waterway				
52923	Program Bud: Upper Division Waterway				
52924	Program Bud: SCADA Communication Upgrade				
54000	Transfer Out	10,000	-	-	-

Nevada Irrigation District					
Fiscal Year: 2021					
Department Budget: 50161 Hydro Operations					
		Actual	Forecast	Mid-Year Amended Bud	
Account	Typical Type of Charge	FY 2019 50161 Hydro Operations	FY 2020 50161 Hydro Operations	FY 2020 50161 Hydro Operations	FY 2021 50161 Hydro Operations
	<b>Budget Impacts</b>			<b>2020</b>	<b>2021</b>
	* Salary (Excludes 51201 Temp Salary)			1,501,648	1,503,923
	* Benefits			964,904	857,662
	* Temporary (51201, 52609)			20,000	20,000
	* Non Labor Operating			1,012,451	510,250
	* Capital projects			-	-
	* 54000 Transfer Out			-	-
	<b>Totals</b>			<b>3,499,003</b>	<b>2,891,835</b>
	<b>% Change</b>				
	* Salary (Excludes 51201 Temp Salary)				0.15%
	* Benefits				-11.11%
	* Temporary (51201, 52609)				0.00%
	* Non Labor Operating				-49.60%
	* Capital projects				0.00%
	* 54000 Transfer Out				0.00%
	<b>Overall</b>				<b>-17.35%</b>

**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: **50167 Hydro Maintenance**

Account	Typical Type of Charge	Actual	Forecast	Mid-Year	
		FY 2019	FY 2020	Amended Bud	FY 2021
		50167 Hydro Maint	50167 Hydro Maint	50167 Hydro Maint	50167 Hydro Maint
51101 Salary		1,086,117	1,377,052	1,377,052	1,353,554
51105 Overtime		57,352	60,000	75,000	70,000
51106 Double Time		6,902	10,000	16,000	15,000
51144 Standby					-
51201 Temporary Salary		31,592	25,000	99,840	67,620
51305 Air Ambulance					-
51306 Short-term Disability		2,167	2,913	1,862	2,086
51308 Employee Assistance Plan		-	-	-	-
51310 Medicare		17,572	19,117	19,967	19,627
51311 Pension Premiums		348,858	429,200	487,476	474,150
51312 Health Insurance		204,371	226,609	367,649	255,438
51313 Life Insurance		9,410	11,183	11,270	11,077
51314 Dental		12,578	14,111	21,680	21,672
51315 Vision		2,051	2,376	2,717	2,722
51316 Long Term Disability		1,667	1,976	6,197	6,091
51317 Workers Compensation		23,855	47,646	47,646	52,172
51321 Health Benefits Retirees					-
51324 OPEB Net ARC					-



**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: **50167 Hydro Maintenance**

Account	Typical Type of Charge	Actual	Forecast	Mid-Year	
		FY 2019	FY 2020	Amended Bud	FY 2021
		50167 Hydro Maint	50167 Hydro Maint	50167 Hydro Maint	50167 Hydro Maint
52501 Chemicals		37	3,500	7,500	7,500
	Fuel Expense			7,500	7,500
52503 Equipment Maintenance		121,552	150,000	272,500	264,500
	Fortinet Equipment				12,000
	Enoserve - RTS Annual Maintenance			2,500	2,500
	Electrical Equipment			80,000	70,000
	Civil/Mechanical Equipment			80,000	70,000
	Flume Inspection/Cleaning/Repair			40,000	40,000
	Equipment Rentals/Leases			50,000	50,000
	Vehicle Expenses			20,000	20,000
52504 Materials		243,062	231,409	390,500	320,500
	Misc. Supplies			40,500	40,500
	Powerhouse Instrumentation Upgrades			40,000	40,000
	Admin Office, Shop & Warehouse Buildings and Grounds			40,000	40,000
	Electrical Materials			100,000	75,000
	Civil/Mechanical Materials			100,000	75,000
	Security Card Readers			25,000	25,000
	Upper Division Facility Improvements			25,000	25,000
	Bowman Transmission Line Protection Upgrades			20,000	-
	Pre-license Road Repairs			-	-
52505 Safety		1,494	20,046	40,000	40,000
	Safety Equipment			30,000	30,000
	Truck GPS Trackers				
	Arc Flash Gear & Clothing			10,000	10,000
52506 Small Tools		33,022	10,000	30,000	30,000
	Misc Tools			30,000	30,000

**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: **50167 Hydro Maintenance**

Account	Typical Type of Charge	Actual	Forecast	Mid-Year	
		FY 2019	FY 2020	Amended Bud	FY 2021
		50167 Hydro Maint	50167 Hydro Maint	50167 Hydro Maint	50167 Hydro Maint
52603	Consulting/Contractor Fees - 3rd party payments except: Attorneys & Staffin	345,984	555,500	555,500	530,500
	Truck GPS Trackers			3,000	3,000
	Electrical Support			100,000	50,000
	Insurance Testing Services				50,000
	Civil/Mechanical Support			75,000	75,000
	Vegetation Management			135,000	135,000
	Electrical Consulting/Contracting			125,000	100,000
	Civil/Mechanical Consulting/Contracting			100,000	100,000
	Helicopter Expenses			16,000	16,000
	Physical Examination Testing			1,500	1,500
52604	Legal Fees				-
52607	Franchise Fees				-
52608	Fed/State/Co Fees				-
52609	Temporary Labor - 3rd Party for Labor except: Attorneys & Consultants			-	-
52704	Insurance - All Insurance except Worker's Compensation			-	-
52706	Dues & Publications				-
52709	Advertising/Legal Notices				-
52710	Office Supplies	538	10,000	5,000	5,000
	Furniture				
	Tablets/Phones			5,000	5,000

**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: **50167 Hydro Maintenance**

Account	Typical Type of Charge	Actual	Forecast	Mid-Year	
		FY 2019	FY 2020	Amended Bud	FY 2021
		50167 Hydro Maint	50167 Hydro Maint	50167 Hydro Maint	50167 Hydro Maint
52711	Education, Training, Meals	10,064	20,000	35,000	35,000
	Conferences, Seminars, PG&E Training			35,000	35,000
52713	Utilities				-
52901	Land/Easement Purchase	-	-	-	-
52902	Vehicle Purchases	469,019	155,724	185,000	335,000
	General Duty Trucks				40,000
	4x4 Bucket Truck				170,000
	UTV w/ trailer				35,000
	Medium Duty Dump Truck			95,000	
	Machinist Trucks			90,000	90,000
52904	Equipment Purchases - (>=\$5K), except Safety Equipment	128,098	165,000	165,000	154,500
	Electrical Equipment				10,000
	Civil/Mechanical Equipment			82,500	80,000
	Replace Pressure Washer and Assoc Equip				30,000
	Quantum Fusion Splicer Kit				13,000
	DC Hipot or Similar Tester				15,000
	SiteHawk Antenna and Cable Analyzer Test Kit				6,500
52915	Project Bud: Non-Programmatic				-
52920	Program Bud: Powerhouse Improvements				-
52921	Program Bud: Reservoir, Dam & Waterway Improvements				-
52922	Program Bud: Lower Division Waterway				

**Nevada Irrigation District**

Fiscal Year: 2021

Department Budget: **50167 Hydro Maintenance**

Account	Typical Type of Charge	Actual	Forecast	Mid-Year	
		FY 2019	FY 2020	Amended Bud	FY 2021
		50167 Hydro Maint	50167 Hydro Maint	50167 Hydro Maint	50167 Hydro Maint
52923 Program Bud: Upper Division Waterway					
52924 Program Bud: SCADA Communication Upgrade					
54000 Transfer Out		30,000	-	-	-
	<b>Budget Impacts</b>			<b>2020</b>	<b>2021</b>
	* Salary (Excludes 51201 Temp Salary)			1,468,052	1,438,554
	* Benefits			966,464	845,034
	* Temporary (51201, 52609)			99,840	67,620
	* Non Labor Operating			1,686,000	1,722,500
	* Capital projects			-	-
	* 54000 Transfer Out			-	-
	<b>Totals</b>			<b>4,220,356</b>	<b>4,073,708</b>
	% Change				
	* Salary (Excludes 51201 Temp Salary)				-2.01%
	* Benefits				-12.56%
	* Temporary (51201, 52609)				-32.27%
	* Non Labor Operating				2.16%
	* Capital projects				0.00%
	* 54000 Transfer Out				0.00%
	<b>Overall</b>				<b>-3.47%</b>

<b>Nevada Irrigation District</b>					
Fiscal Year: 2021					
Department Budget: <b>Hydro Administration, Operations, Maintenance Labor</b>					
<b>Dept</b>	<b>EE Title</b>	<b>2020 Bud</b>		<b>EE Title</b>	<b>2021 Bud</b>
50112 Hydro Admin	Hydroelectric Mgr	1		Hydroelectric Mgr	1
	Hydro Compl Tech I	1		Hydro Compl Tech II	1
	Sr Engineer Dam Safety	1		Sr Engineer Dam Safety	1
	Management Asst	1		Management Asst	1
	Assistant Engineer	1		Assistant Engineer	1
	Hydro Compl Admin	1		Hydro Compl Admin	1
	Project Admin	1		Project Manager	1
Total 50112		7			7
50161 Hydro Operations	Sr Hydro Plant Op	1		Sr Hydro Plant Op	1
	Hydro Gener Supervisor	1		Hydro Gener Supervisor	1
	Hydro Plant Oper II	1		Hydro Plant Oper II	1
	Hydro Gener Supt	1		Hydro Gener Supt	1
	Hydro Plant Oper II	1		Hydro Plant Oper II	1
	Hydro Plant Oper II	1		Hydro Plant Oper II	1
	Hydro Plant Oper I	1		Hydro Plant Oper I	1
	Sr Hydro Plant Op	1		Sr Hydro Plant Op	1
	Hydro Plant Oper II	1		Hydro Plant Oper II	1
	Hydrographer II	1		Sr Hydrographer	1
	Senior Hydrographer	1		Sr Hydrographer	1
	Hydro Wtr Sys Op I	1		Hydro Wtr Sys Op I	1
	Hydro Wtr Sys Op I	1		Hydro Wtr Sys Op I	1
	Hydro Wtr Sys Op I	1		Hydro Wtr Sys Op I	1
Total 50161		14			14
50167 Hydro Maint	Sr Hydro Maintenance Tech	1		Hydro Maintenance Tech I	1
	Hydro Maint Supt	1		Hydro Maint Supt	1
	Hydro Maintenance Tech II	1		Hydro Maintenance Tech II	1

<b>Nevada Irrigation District</b>					
Fiscal Year: <b>2021</b>					
Department Budget: <b>Hydro Administration, Operations, Maintenance Labor</b>					
<b>Dept</b>	<b>EE Title</b>	<b>2020 Bud</b>		<b>EE Title</b>	<b>2021 Bud</b>
	Hydro Elect Mach II	1		Hydro Elect Mach II	1
	Hydro Comm Tech II	1		Hydro Comm Tech I	1
	Hydro Maintenance Tech I	1		Hydro Maintenance Tech I	1
	Sr Hyd Elec Machine	1		Sr Hyd Elec Machinst	1
	Hydro Sys Tech II	1		Hydro Sys Tech II	1
	Hydro Elect Machinist I	1		Hydro Elect Machinist I	1
	Hydro Maintenance Supv - Elec	1		Sr Hydroelectric Sys Tech	1
	Hydro Comm Tech II	1		Hydro Comm Tech II	1
	Sr Hydroelectric Sys Tech	1		Sr Hydroelectric Sys Tech	1
	Utility Worker II	1		Utility Worker II	1
	Utility Worker II	1		Utility Worker II	1
Total 50167		14			14
<b>Total FTEs</b>		<b>35</b>			<b>35</b>