

Staff Report

for the Administrative Practices Committee Meeting of December 1, 2020

TO: Administrative Practices Committee

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

DATE: November 24, 2020

SUBJECT: Chicago Park Powerhouse Instrumentation Upgrade Project
Budget Rollover (FATR #2402)

HYDROELECTRIC

RECOMMENDATION:

Approve budget amendments to rollover \$100,000 from the 2020 to the 2021 Hydroelectric Department Powerhouse Improvement Program Budget for the Chicago Park Powerhouse Instrumentation Upgrade Project.

BACKGROUND:

The 2020 Hydroelectric Department budget included \$100,000 for the design and installation of instrumentation on the cooling water system at the Chicago Park Powerhouse. Delays in the design and specification of the equipment due to the COVID-19 pandemic were compounded by the fact that the lead engineer at the design firm left the company. As a result the final design that was not received and reviewed until November 16, 2020. Given the cost of the equipment and complexity of the necessary materials staff was unable to complete the purchase prior to the end of the year deadline.

Staff remains committed to completing this project. Adding accurate instrumentation and data collection for the unit's cooling water system will allow staff to monitor the health of the turbine in real-time, ensuring that equipment is operating at an optimum level and minor problems are identified and resolved before they can cause larger issues. The new instrumentation includes new digital flowmeters, pressure transmitters, piping, and more that will provide a significant upgrade to the existing system, most of which is original to the powerhouse (1960's vintage). Currently, the existing analog devices are unable to provide data to NID's operators unless they are inside the powerhouse collecting readings from various physical gages. The new system will be integrated into the recently installed balance of plant programmable logic controller (2018) to provide remote monitoring, alarming, and automatic unit trip function, which not

only helps to prevent and diagnose issues, but also to protect the facility in the event of a system failure or emergency situation at all times.

BUDGETARY IMPACT:

The proposed action will reduce the FY 2020 budget account number 50112-52920 by \$100,000, which will cause an increase in the FY 2020 estimated reserve balance. In addition, the proposed item will increase the FY 2021 budget account number 50112-52920 by \$100,000, which will cause an decrease in the FY 2021 estimated reserve balance.

Attachments: (2)

- 2020 Budget Amendment No. 2020-160
- 2021 Budget Amendment No. 2021-03

KS



NEVADA IRRIGATION DISTRICT BUDGET AMENDMENT FORM

Budget
Amendment #

BA 2020 - 160

Date: 12/1/2020
 To: Greg Jones, Interim General Manager
 From: Keane Sommers, Hydroelectric Manager

Initial _____

Budget Increase: Accounts being increased. Enter positive number.

Department	Object / Account	Amount Increase
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Budget Decrease: Accounts being decreased. Enter negative number.

Department	Object / Account	Amount (Decrease)
50112 Hydro Administration	52920 Program: Powerhouse Impr	\$ (100,000)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Reserve Impact: Increase = Positive, Decrease = Negative.

Division Funding	Funding Account	Increase/(Decrease)
50 Hydroelectric Fund	34011 Operating Reserve	100,000
_____	_____	_____
_____	_____	_____

Explanation: Enter narrative explaining reason for amendment.

Rollover FY 2020 budget to FY 2021 for Chicago Park Instrumentation Project 2402

APPROVALS:

	<u>Date</u>	<u>Signature</u>	<u>AGM/FM Initials</u>	<u>Approved/Denied</u>
Level I:				
Level II:				
Level III:				



NEVADA IRRIGATION DISTRICT BUDGET AMENDMENT FORM

Budget
Amendment #

BA 2021-03

Date: 12/1/2020
 To: Greg Jones, Interim General Manager
 From: Keane Sommers, Hydroelectric Manager

Initial _____

Budget Increase: Accounts being increased. Enter positive number.

Department	Object / Account	Amount Increase
10151 Engineering	52920 Program: Powerhouse Impr	\$ 100,000

Budget Decrease: Accounts being decreased. Enter negative number.

Department	Object / Account	Amount (Decrease)

Reserve Impact: Increase = Positive, Decrease = Negative.

Division Funding	Funding Account	Increase/(Decrease)
50 Hydroelectric Fund	34011 Operating Reserve	(100,000)

Explanation: Enter narrative explaining reason for amendment.

Rollover FY 2020 budget to FY 2021 for Chicago Park Instrumentation Project 2402

APPROVALS:

	<u>Date</u>	<u>Signature</u>	<u>AGM/FM Initials</u>	<u>Approved/Denied</u>
Level I:				
Level II:				
Level III:				