

Staff Report

for the Board of Directors Meeting of September 14, 2016

TO: Board of Directors

FROM: Gary King, Engineering Manager
Adrian Schneider, Senior Engineer

DATE: September 7, 2016

SUBJECT: Loma Rica Hydroelectric Facility –
Design and Remaining Phase II tasks

ENGINEERING

RECOMMENDATION:

Approve remaining tasks in Phase II in the amount of \$320,573 for the Loma Rica Hydroelectric Project, and authorize the General Manager to execute the necessary documents.

BACKGROUND:

On December 6, 2013, Brown & Caldwell provided a proposal for the Loma Rica Hydroelectric Project for a total amount of \$616,389. The scope of work was separated into two phases (Phase I and II). On February 26, 2014 the Board approved Phase I (Tasks 1, 2a, and 4) of the project for \$245,297. Phase I work included tasks that led up to the determination of the viability of the project (payback period). Phase II was to be approved by the Board at a later date pending the outcome of Phase I. A portion of Phase II work (Task 2b) was approved by the Board on July 20, 2016, to investigate FAA status with the project.

The FAA and PG&E provided their responses to the District's application for the project in August 2016. The responses were favorable for the project continuing and did not change the project's financial payback period estimated in the 2016 Preliminary Design Report. Based on these outcomes, District staff recommends that the project continue and for the Board to approve the remaining budget on Brown & Caldwell's contract.

BUDGETARY IMPACT:

Funds for the Loma Rica Hydroelectric Facility for this Task Order 3 are available in the 2016, 2017, and 2018 budget.

Attachments: Task Order 3
Project Task Sheet & Budget

CONSULTING ENGINEERING SERVICES

Loma Rica Hydroelectric Project

TASK ORDER NO. 3

The District hereby requests and authorizes the CONSULTANT to perform the following services:

SCOPE OF SERVICES:

Conduct remaining tasks under Phase II (Task 3, 5, 6, and 7) related to Phase II of the project as outlined in the Proposal dated December 6, 2013.

TIME FOR COMPLETION:

February 28, 2018

SPECIAL CONDITIONS: NA

FEE FOR SERVICE AND METHOD FOR DETERMINING FEE:

Time and materials per attached Schedule of Billing Rates (Exhibit B) not to exceed amounts set forth in CONSULTANT's proposal described under scope of services, for the amount of \$320,573.

Services covered by this task order shall be performed, and payment for such services shall be made, all in accordance with that AGREEMENT between DISTRICT and CONSULTANT dated _____.

Approved for DISTRICT

Approved for CONSULTANT

By _____
Remleh Scherzinger, General Manager
Nevada Irrigation District

By _____
Brown & Caldwell

Date _____

Date _____

Nevada Irrigation District (CA) -- Loma Rica Hydroelectric Station																										
Phase	Phase Description	Duren, Scott B	Bales, Jacqueline R	Rammelli, Donna L	Sturges, Gregory R	McComb, Robb J	Lawrence, Jeff	Lambert, Tait R	Schock, Dawn M	Parr, Scott M	Morrow, David J	Quiroz, Edgardo	Scheitler, James	Hansen, Timothy W	Mathews, James L	Total Labor Hours	Total Labor Effort	T&M Lump Sum	Mileage	Total ODCs	None Energy Cost	Total Sub Cost	Total Expense Cost	Total Expense Effort	Total Effort	
1	Preliminary Design Report	\$187.67	\$96.03	\$217.97	\$161.44	\$161.83	\$233.57	\$122.86	\$84.08	\$178.23	\$146.26	\$245.92	\$234.53	\$192.56	\$214.80	448	74,961	0	250	260	55,000	55,000	55,250	58,025	132,986	X
2a	FERC Permitting	4	4	0	0	0	0	0	0	0	0	0	0	0	0	8	1,169	0	0	0	34,000	34,000	34,000	35,700	36,869	X
2b	General Permitting	4	4	0	0	0	0	0	0	0	0	0	0	0	0	8	1,169	0	0	0	47,000	47,000	47,000	49,350	50,519	*
3	Power Unit Purchase	4	4	0	0	0	0	0	0	0	0	0	0	0	0	8	1,169	0	0	0	35,000	35,000	35,000	36,750	37,919	
4	Interconnection Agreement	8	4	0	0	0	0	0	0	0	0	0	0	0	0	12	1,942	0	0	0	70,000	70,000	70,000	73,500	75,442	X
5	Detailed Design	160	24	16	0	180	60	290	40	32	160	150	16	16	40	1,184	205,354	0	500	500	35,000	35,000	35,500	37,300	242,654	
6	Construction Bidding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,000	0	10,000	0	0	10,000	10,000	10,000	
7	Construction Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30,000	0	30,000	0	0	30,000	30,000	30,000	
GRAND TOTAL		312	60	18	0	212	74	350	58	32	288	170	18	20	56	1,668	285,764	40,000	750	40,750	276,000	276,000	316,750	330,625	616,389	

X = TASKS 1, 2a, & 4 APPROVED 2/26/14 BY BOARD
 * = TASK 2b APPROVED 7/20/16 BY BOARD
 [Yellow Highlight] = TASKS 3, 5, 6 & 7 PENDING BOARD APPROVAL