



## Monthly Progress Report –February 2023

### Terrace Lakes Water Company

**Project Name:** *Terrace Lakes ECWAG Project*

**Progress Date:** *Through February 28, 2023*

**Project No.:** *245.0040*

**Contract:** *\$253,900*

**Prepared By:** *Stuart Hurley, P.E., Cody Sprague, P.E.*

**Purpose:** *Discuss project progress and expenses to date*

### **General Project Status**

This project report reviews the Terrace Lakes ECWAG Project monthly progress and outlines action items required to meet overall project objectives. Budgetary and financial analysis on the project will be presented to Terrace Lakes Water Company (TLWC) Board on a routine basis. The progress report will be sent to Dennis Largent monthly and presented to TLWC Board as requested.

Project Objectives: Drill and equip a new groundwater source of supply to replace declining capacity in Well No. 5 associated with March 2020 earthquake.

### **Project Phasing:**

The project will be completed in-line with the following phases:

#### **Phase 1: Obtain Regulatory Approvals**

- Complete IDWR Transfer Application to add new POD to existing water rights.
- Obtain Easement/Lease Agreement with Terrace Lakes Recreation Ranch LLC
- Idaho Power Company Agreement for Service Upgrades
- Execution of Easement/Lease Agreement (legal counsel approval)

#### **Phase 2: Well and Facility Design**

- Complete IDEQ Well Site Evaluation and Well Preliminary Engineering Report
- Complete IDEQ Facilities, Transmission, and Controls Preliminary Engineering Report
- Obtain IDEQ Construction Approval for Well No. 7 and associated Facilities

#### **Phase 3: Facility Construction**

- Phase 3a: Well Drilling, Production Testing, Water Quality Sampling
- Phase 3b: Facility Construction - Commissioning, Startup and Testing

#### **Phase 4: Project Closeout**

- Well Completion Report
- Operation and Maintenance Manual
- As-built Drawings
- Engineer of Record Certification
- IDEQ Request to Serve Public

# Mountain WATERWORKS

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## Work Completed To Date (Since Last Progress Report)

A summary of work completed by Mountain Waterworks through the month of February 2023 is provided below.

- The Well No. 7 construction project was completed. Test pumping and water quality sampling have been conducted.

Work In Progress:

- Well No 7 Well Completion Report
- Project Preliminary Engineering Report
- Project Plans and Specifications
  - o All documents to be submitted to DEQ for review and approval

## Engineering Budget

Description	Budget	To Date Budget Spent	Remaining Budget	Percent Complete
Basic Engineering Services	\$152,400	\$137,634.16	\$14,765.84	90%
Inspection Services (RPR):	\$50,000	\$7,230.00	\$42,770.00	14%
Additional Services:	\$51,500	\$28,008.75	\$23,491.25	54%
<b>Engineering Services Total</b>	<b>\$253,900</b>	<b>\$172,872.91</b>	<b>\$81,027.09</b>	<b>68%</b>

# Mountain WATERWORKS

## Project Budget:

Item No.	Description	Budget	Forecast	Billed To Date	Remaining
<b>CONSTRUCTION ESTIMATE</b>					
1	Land Acquisition, Legal, Easements	\$ 42,500	\$ 42,500	\$ 42,500	\$ -
2	Well Drilling	\$ 250,000	\$ 187,450	\$ 176,700	\$ 10,750
3	Survey	\$ 5,100	\$ 5,100	\$ 5,100	\$ -
4	Water Quality Testing	\$ 3,000	\$ 3,000	\$ -	\$ 3,000
5	Well House, Well Pump, & Yard Piping	\$ 402,000	\$ 460,755	\$ -	\$ 460,755
<b>Construction Subtotal</b>		<b>\$ 695,000</b>	<b>\$ 698,805</b>	<b>\$ 224,300</b>	<b>\$ 474,505</b>
6	Construction Contingency	\$ 112,000	\$ 112,000	\$ -	\$ 112,000
<b>Construction Total</b>		<b>\$ 807,000</b>	<b>\$ 807,000</b>	<b>\$ 4,310</b>	<b>\$ 802,690</b>
<b>ENGINEERING</b>					
7	Basic Engineering Services	\$ 152,400	\$ 152,400	\$ 133,952	\$ 18,448
8	Inspection Services (RPR):	\$ 50,000	\$ 50,000	\$ 5,030	\$ 44,970
9	Additional Services:	\$ 51,500	\$ 51,500	\$ 28,009	\$ 23,491
<b>Engineering Subtotal</b>		<b>\$ 253,900</b>	<b>\$ 253,900</b>	<b>\$ 166,991</b>	<b>\$ 88,909</b>
<b>ADMINISTRATIVE AND LEGAL</b>					
10	Administrative and Legal Services	\$ 23,000	\$ 23,000	\$ 12,880	\$ 10,120
<b>Administrative and Legal Subtotal</b>		<b>\$ 23,000</b>	<b>\$ 23,000</b>	<b>\$ 12,880</b>	<b>\$ 10,120</b>
<b>Engineering Subtotal</b>					
<b>PROJECT ESTIMATE</b>					
<b>PROJECT TOTAL</b>		<b>\$ 1,026,900</b>	<b>\$ 1,026,900</b>	<b>\$ 404,170</b>	<b>\$ 571,534</b>

## Engineering and Construction Schedule

### Engineering Schedule

Engineering Deliverables	Completion Date
Well No. 7 Completion Report	Apr 2023
Well No. 7 Facilities, Transmission, and Controls Plans and Specs	Apr 2023
As-built Drawings, Operation and Maintenance Manual, Engineering Certification	May 2024

### Construction Schedule

Construction Activity	Start Date	End Date
Well Drilling	Jun 2022	March 2023
Well No. 7 Facilities, Transmission, and Controls	Jun 2023	Jun 2024
Startup & Testing	Jun 2024	Jun 2024
Programming and Integration	Jun 2024	Jul 2024
Funding Closeout	Jun 2024	Sep 2024

# Mountain WATERWORKS

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## Action Item Log:

<b>ACTION ITEMS</b>	<b>RESPONSIBLE PARTY</b>	<b>DATE RESOLVED</b>
Review and Sign Survey and Structural Engineering Proposal	Terrace Lakes Water Company	10/29/2021
Review and Sign Idaho Power Consent Form	Terrace Lakes Water Company	10/27/2021
Review Well No. 7 Well Site Evaluation, Preliminary Engineering Report, Plans and Specifications	Terrace Lakes Water Company	10/27/2021
Hire third party attorney to approve Easement/Lease language.	Terrace Lakes Water Company	11/9/2021
Submit Well No. 7 Facilities, Transmission, and Controls PER to IDEQ.	Mountain Waterworks	11/18/2021
Execute Electrical Engineering Contract	Mountain Waterworks	11/8/2021
Finalize Well No. 7 Bid Package	Mountain Waterworks	7/27/2022
Finalize Well No. 7 Facilities, Transmission, and Controls Plans and Specifications	Mountain Waterworks	2/1/2023
Tim Farrell and Rolly Woolsey to meet with Terrace Lakes Recreation Ranch to discuss well site easement	Mountain Waterworks.	2/3/2022
Discuss electrical programming and integration with DC Engineers.	Mountain Waterworks	