



Monthly Progress Report –January 2022

Terrace Lakes Water Company

Project Name: *Terrace Lakes ECWAG Project*

Progress Date: *Through January 28, 2022*

Project No.: *245.0040*

Contract: *\$219,900*

Prepared By: *Tim Farrell, P.E., Sam Nieslanik, E.I.T.*

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

Work Completed To Date (Since Last Progress Report)

A summary of work completed by Mountain Waterworks through the month of January 2021 is provided below.

- Reviewed structural and electrical 70% plans.
- 90% MWW plans and specifications
- Worked with Givens Pursley LLP to draft an easement agreements
- Received water right transfer from IDWR

Work In Progress:

- Well site easement.
 - o Waiting on meeting between TLWC and TLRR
- Send Well No. 7 out for quotations pending well site easement.
- IDEQ review of Well No. 7 Facilities, Transmission, and Controls PER.
- Well No. 7 Facilities, Transmission, and Controls Electrical and Structural design.
- Engineering amendment for "Owner Provided Services" – MWW coordination effort to be reimbursed from contingency funds

Other Items

- Water right transfer questions
- Well site easement update

Engineering Budget

Description	Budget	To Date Budget Spent	Remaining Budget	Percent Complete
Basic Engineering Services	\$152,400	\$86,853	\$65,547	57%
Inspection Services (RPR):	\$50,000	\$0	\$50,000	0%
Additional Services:	\$17,500	\$12,731	\$4,219	73%
Engineering Services Total	\$219,900	\$99,584	\$120,316	45%

Mountain WATERWORKS

Project Budget:

Item No.	Description	Budget	Forecast	Billed To Date	Remaining
CONSTRUCTION ESTIMATE					
1	Land Acquisition, Legal, Easements	\$ 25,000	\$ 25,000	\$ -	\$ 25,000
2	Test Well (300 ft 6-inch)	\$ 50,000	\$ -	\$ -	\$ -
3	Idaho Power Electrical Service	\$ 25,000	\$ 25,000	\$ -	\$ 25,000
4	Production Well Drilling	\$ 200,000	\$ 250,000	\$ -	\$ 250,000
5	Well Pump, Motor, and Pitless Unit	\$ 50,000	\$ 50,000	\$ -	\$ 50,000
6	Mechanical Piping (4-inch DI)	\$ 35,000	\$ 35,000	\$ -	\$ 35,000
7	Transmission Piping (4-inch C900 PVC)	\$ 75,000	\$ 75,000	\$ -	\$ 75,000
8	Well House and Site Work	\$ 125,000	\$ 125,000	\$ -	\$ 125,000
9	Communication and Controls System	\$ 50,000	\$ 50,000	\$ -	\$ 50,000
10	Electrical Programming & Integration (Owner Provided Service)	\$ 25,000	\$ 25,000	\$ -	\$ 25,000
11	Survey (Owner Provided Service)	\$ 15,000	\$ 15,000	\$ 4,310	\$ 10,690
12	Well Production & Water Quality Testing (Owner Provided Service)	\$ 20,000	\$ 20,000	\$ -	\$ 20,000
Construction Subtotal		\$ 695,000	\$ 695,000	\$ 4,310	\$ 690,690
13	Construction Contingency	\$ 112,000	\$ 112,000	\$ -	\$ 112,000
Construction Total		\$ 807,000	\$ 807,000	\$ 4,310	\$ 802,690
ENGINEERING					
14	Basic Engineering Services	\$ 152,400	\$ 152,400	\$ 86,853	\$ 65,547
15	Inspection Services (RPR):	\$ 50,000	\$ 50,000	\$ -	\$ 50,000
16	Additional Services:	\$ 17,500	\$ 17,500	\$ 12,731	\$ 4,769
Engineering Subtotal		\$ 219,900	\$ 219,900	\$ 99,584	\$ 120,316
PROJECT ESTIMATE					
PROJECT TOTAL		\$ 1,026,900	\$ 1,026,900	\$ 103,894	\$ 923,006

Engineering and Construction Schedule

Engineering Schedule

Engineering Deliverables	Completion Date
Well No. 7 PER, WSE, Plans and Specs	Dec 2021
Additional Point of Diversion	Jan 2022
Well No. 7 Facilities, Transmission, and Controls PER	Jan 2022
Well No. 7 Facilities, Transmission, and Controls Plans and Specs	Apr 2022
Well Completion Report	Aug 2022
As-built Drawings	Aug 2023
Operation and Maintenance Manual	Aug 2023
Engineering Certification	Aug 2023

Construction Schedule

Construction Activity	Start Date	End Date
Idaho Power Service	Aug 2021	Jun 2022
<u>Well Drilling</u>	<u>Jun 2022</u>	<u>Aug 2022</u>
Well No. 7 Facilities, Transmission, and Controls	Jun 2022	Jun 2023
Startup & Testing	Jun 2023	Jun 2023
Programming and Integration	Jun 2023	Jul 2023
Funding Closeout	Jun 2023	Sep 2023

Action Item Log:

ACTION ITEMS	RESPONSIBLE PARTY	DATE RESOLVED
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	
Finalize Well No. 7 Facilities, Transmission, and Controls Plans and Specifications	Mountain Waterworks	
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	