

PUBLIC

**Eagle Mountain Pumped
Storage Project No. 13123
Final License Application
Volume 1 of 6**

**Exhibit C
Project Schedule**

Palm Desert, California

Submitted to: Federal Energy Regulatory Commission
Submitted by: Eagle Crest Energy Company

Date: June 22, 2009
GEI Project No. 080473
©2009 Eagle Crest Energy Company

Table of Contents

<u>1</u>	<u>Proposed Commencement and Completion Dates</u>	<u>1-1</u>
<u>2</u>	<u>Operation Dates</u>	<u>2-1</u>
<u>3</u>	<u>Previously Constructed Facilities</u>	<u>3-1</u>
<u>4</u>	<u>Schedule</u>	<u>4-1</u>
4.1	First Year of Construction	4-1
4.2	Second Year of Construction	4-1
4.3	Third Year of Construction	4-2
4.4	Fourth Year of Construction	4-3

Tables

Table 1-1: Proposed Commencement and Completion Dates	1-1
---	-----

Figures

Figure 4-1: Preliminary Development Schedule	4-1
--	-----

This license application is organized into six volumes, as described below:

Volume 1	Initial Statement and Exhibits A, B, C, and D	Public
Volume 2	Exhibit E, Applicant Prepared Environmental Impact Statement	Public
Volume 3	Appendices to Exhibit E, Applicant Prepared Environmental Impact Statement	Public
Volume 4	Privileged information for Exhibit E, Applicant Prepared Environmental Impact Statement	Privileged, not for release
Volume 5	Exhibit F, Supporting Design Report	Critical Energy Infrastructure Information (CEII), not for release
Volume 6	Exhibit G	Public

1 Proposed Commencement and Completion Dates

The preliminary development schedule for the Eagle Mountain Pumped Storage Project is presented in Figure 4-1. The key dates, which have been established or forecast, are as follows:

Table 1-1: Proposed Commencement and Completion Dates

Submission of License Application to FERC	May 2009
Granting of License by FERC	July 2010
Completion of Land Lease Arrangements	August 2010
Completion of Power Purchase Agreements	August 2010
Completion of Financing Arrangements	August 2011
Start of Construction	June 2012
Commercial Operation of First Unit	July 2015
Entire Project Commercial Operation	June 2016

The construction schedule presented herein indicates an estimated 4 years for construction of the main project facilities.

2 Operation Dates

As noted above, Unit 1 is scheduled for start of commercial operation in July 2015. Subsequent units are scheduled with an interval of three months: Unit 2 in October 2015, Unit 3 in January 2016, and Unit 4 in March 2016 to complete the plant June 2016. The reservoirs will be filled by pumping of ground water from a well-field developed as part of the project. Three wells each pumping 2,000 gallons per minute (gpm) will deliver 26.5 acre-feet per day. Water will be pumped from the water supply wells to the lower reservoir as soon as the wells and conveyance pipeline are completed and the lower reservoir has been prepared for water storage. The schedule on Figure 4-1 indicates reservoir filling would begin March 2014 and that start-up of Unit 1 would begin in July 2015.

It is very likely that storage of water in the lower reservoir could begin prior to March 2014, because preparation of the lower reservoir (mainly in seepage control measures and I/O construction) could be advanced earlier in the construction schedule than is currently shown. Even if reservoir filling did not begin until March 2014, approximately one-fourth of the active reservoir volume and all of the dead storage could be filled in approximately 14 months, sufficient to allow the initial unit start-up. Commercial operation of the project will not require that the total active reservoir volume (17,700 acre-feet) be in storage; however, full benefits may not be achievable until the full active storage volume is in place.

3 Previously Constructed Facilities

There are no previously constructed facilities associated with the hydroelectric power generation facilities that will be a part of this Project.

4 Schedule

4.1 First Year of Construction

General:

- Mobilize and construct temporary office, storage, maintenance and staging facilities.
- Construct and improve permanent and construction access roads.

Water Conduits:

- Proceed and erect Tunnel Boring Machine and start excavation of tailrace tunnel.

Power Plant:

- Construct access tunnel portal and start excavation of access tunnel.

Upper Reservoir:

- Excavation of approach channel to inlet/outlet works.

Lower Reservoir:

- Start moving unstable tailings pile.
- Start implementing seepage control measures.

Switchyard:

- Start switchyard construction.

Transmission line:

- Start construction of transmission line foundations.

4.2 Second Year of Construction

Upper Reservoir:

- Complete excavation of approach tunnel.
- Complete construction of the south and west dams.
- Start construction of inlet/outlet structures.
- Start implementing seepage control measures.

Lower Reservoir:

- Complete moving unstable tailings pile.
- Seepage control liner blanketing.
- Construct inlet/outlet works.
- Complete seepage control measures.
- Install water pipeline from wells, pumping plant, and reverse osmosis system.
- Begin to fill lower reservoir.

Water Conduits:

- Complete tailrace tunnel, manifold and draft tube tunnels.
- Move and erect Tunnel Boring Machine and excavate upper pressure tunnel.
- Excavate lower pressure tunnel, manifold and penstock tunnels.
- Excavate pressure shaft.
- Install steel tunnel linings.

Power Plant:

- Complete majority of under ground power plant access.
- Finish excavation of access tunnel.
- Excavate powerhouse cavern.
- Excavate transformer gallery caverns.
- Excavate cable tunnel and shaft, imbed spiral cases and draft tube liners.
- Start to install pump/turbines and generators.
- Start first stage and second stage concrete.
- Start to install electrical and mechanical equipment.

Transmission Line:

- Build foundations and towers.
- String high voltage transmission wires.

Switchyard:

- Complete switchyard and install equipment.

4.3 Third Year of Construction**Upper Reservoir:**

- Seepage control by blanketing with fines and grouting.
- Complete inlet/outlet works.

Lower Reservoir:

- Continue filling lower reservoir.

Water Conduits:

- Finish excavation of pressure shaft.
- Construct downstream surge chambers.
- Concrete line penstock and draft tube manifolds.
- Install steel linings in penstocks and concrete linings in draft tube tunnels.

Power Plant:

- Complete excavation of transformer gallery caverns.
- Construct cable tunnel and shaft.
- Complete first stage concrete.
- Start and complete superstructure concrete.
- Continue installation of pump/turbines.
- Continue installation of motor/generators.

- Continue installation of other mechanical and electrical equipment.
- Install water delivery pipeline, pump, and reverse osmosis system.
- Installation of mechanical and electrical equipment.

Transmission Line:

- Complete foundations and build towers.
- String high voltage transmission wires.

4.4 Fourth Year of Construction

Power Plant:

- Finish installation of pump/turbines.
- Finish installation of motor/generators.
- Continue and finish installation of other mechanical and electrical equipment.
- Start architectural construction.
- Begin startup and testing of units.
- Commission unit 1.
- Commission units 2, 3 and 4 at three month intervals ending the beginning of April.
- Complete architectural work.

Transmission Line:

- Test and energize high voltage transmission line.

Commercial Operation:

- June 2016.

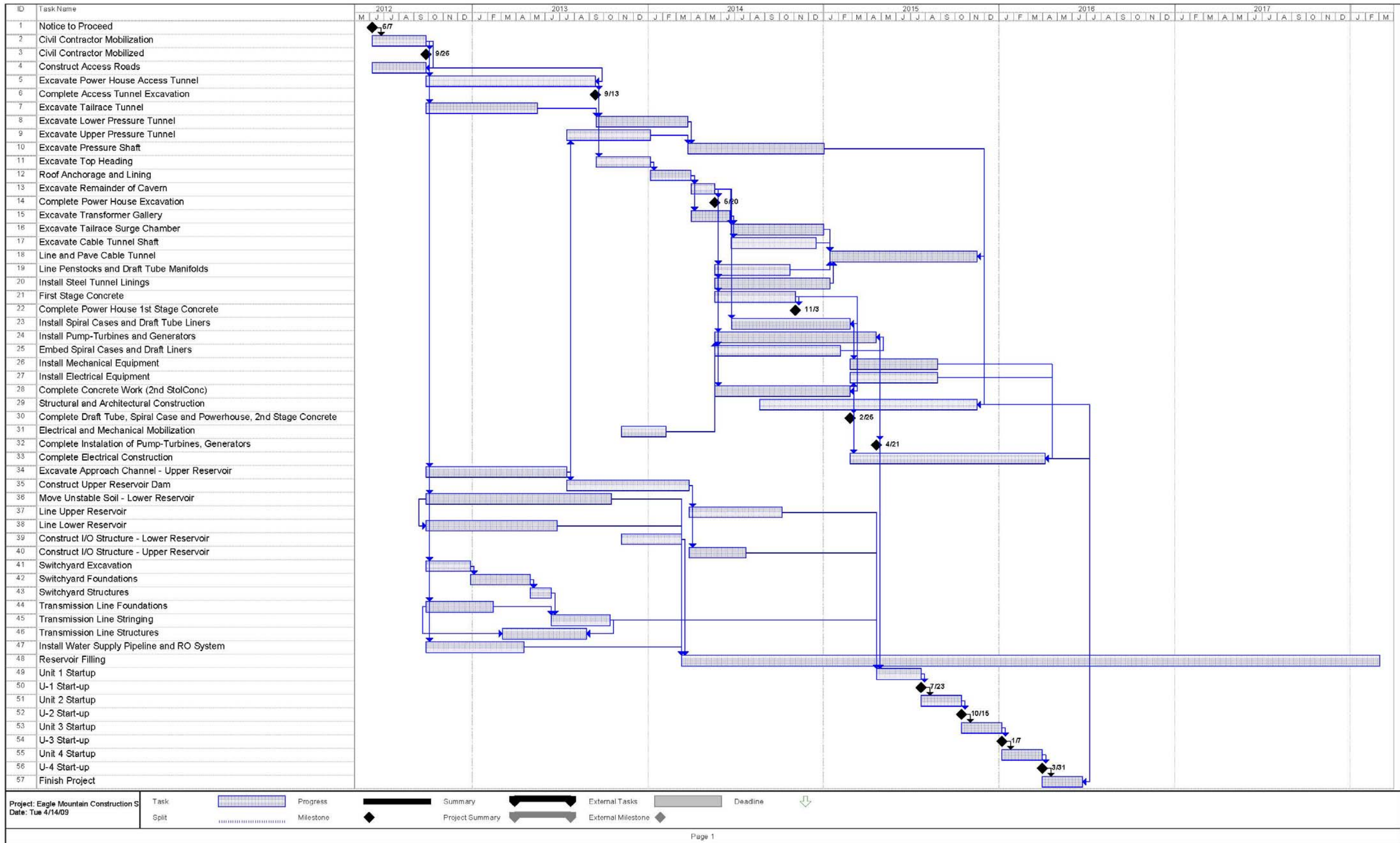


Figure 4-1: Preliminary Development Schedule