

Handout 11B
Schedule Highlights
Summary of Key Schedule Changes

Consultative Work Group Meeting
October 7, 2020

Schedule Highlights

Groundwater Remedy Construction

- Project Initiation – 10/2/18
- Phase 1 Construction – 10/2/18 to 6/28/21
 - Construction schedule is communicated via:
 - **Daily** list of construction activities
 - **Weekly** emails of 6-week look ahead
 - **Monthly** progress reports
- Turn off IM/IRZ Start-up – Forecast 6/30/21

Soil Risk Assessment

- Risk Assessment Report
 - ✓ Draft Soil Human Health and Ecological Risk Assessment (HHERA) Report submitted 9/10/18
 - ✓ Review and Comment Period – 9/11/18 to 1/8/19
 - ✓ Response to Comments/Comment Resolution - 1/9 to 7/17/19
 - ✓ Final Soil HHERA Report submitted 10/18/19
 - ✓ Errata to the Final Soil HHERA Report submitted 2/9/2020
 - ✓ Review and Comment Period – 2/9 to 4/9/2020
 - ✓ Agencies responded to Tribes' comments on the Errata – 4/X/2020 (DOI), 5/7/2020 (DTSC)
 - ✓ Agencies issued acceptance letter for the Soil HHERA and Errata – 5/29/2020

Soil RFI/RI Reporting (Volume 3)

- Soil RFI/RI Report
 - ✓ Draft Report – submitted 12/9/19
 - ✓ Review and Comment
 - Tribes and Stakeholder Review: 12/10/19 – 3/20/20
 - Agencies Review: 12/10/19 – 4/3/20
 - ✓ Response to Comments/Comment Resolution
 - Send RTC Table: Target 10/30/20
 - Send meeting agenda: 2 wks prior to comment resolution mtg
 - Hold comment resolution meeting: Target 11/17 or 11/18/20

Soil RFI/RI Reporting (Volume 3)

(Continued)

- Soil RFI/RI Report (Continued)
 - ✓ Revised Report – Forecast 3/12/21
 - ✓ Review and Comment
 - Tribes and Stakeholder Review: 3/15 – 5/14/21
 - Agencies Review: 3/15 – 5/14/21
 - ✓ Response to Comments/Comment Resolution
 - Send RTC Table: Forecast 7/1/21
 - Send meeting agenda: 2 wks prior to comment resolution mtg
 - Hold comment resolution meeting: Forecast late July 2021

Soil RFI/RI Reporting (Volume 3)

(Continued)

- Soil RFI/RI Report (Continued)
 - ✓ Final Report – Forecast 10/5/21
 - ✓ Agencies Review/Approve – Forecast 11/3/21

Soil Corrective Measure Study/Feasibility Study (CMS/FS)

- Draft CMS/FS – Forecast Q2 2022
- Response to Comments – Forecast Q3 2022
- Final CMS/FS and Agencies Approval – Forecast Q4 2022

Soil Remedy Decision (Statement of Basis/Record of Decision)

- DTSC's Statement of Basis/Adoption of Remedy – Forecast June 2023
 - CEQA evaluation of the selected remedy will be conducted after Final CMS/FS
- DOI's Record of Decision – Forecast November 2023

Soil Non-Time Critical Removal Action (NTCRA)

- Draft Soil Engineering Evaluation/Cost Analysis - 5/29/20
 - Stakeholders/Public Review: 6/3 – 8/5/20
 - Tribal Consultation: 6/3 – 8/21/20
- DOI reviews/considers comments and makes final decision
 - Final EE/CA & Responsiveness Summary – TBD
 - Action Memorandum – TBD
- If DOI decides to conduct a removal action, PG&E will prepare a removal action work plan (RAWP) for implementing DOI's selected action.

Summary of Key Schedule Changes

Handout 11B

Summary of Key Schedule Changes since August 15, 2007 (Rev. 45)

Activities	Forecast Schedule Deviation	Key Reasons
Groundwater (No changes from 7/8/2020 schedule)		
Construction (Lines 1696-1711, 1717)	FF for completion of construction <ul style="list-style-type: none"> • 6/18/2014 (Rev. 11) • 6/26/2014 (Rev. 12) • 8/18/2014 (Rev. 13) • 9/29/2014 (Rev. 14) • 2/26/2015 (Rev. 15) • 9/17/2015 (Rev. 16) • 12/4/2015 (Rev. 17) • 9/16/2016 (Rev. 18) • 10/17/2016 (Rev. 19) • 11/8/2016 (Rev. 20) • 1/10/2017 (Rev. 21) • 4/5/2017 (Rev. 22) • 4/13/2017 (Rev. 23) • 6/25/2018 (Rev. 24) • 7/30/2018 (Rev. 25) • 10/15/2018 (Rev. 26) • 12/18/2019 (Rev. 27) • 1/29/2020 (Rev. 28) • Phase 1 - 1/28/2019 (Rev. 29 and 30) • Phase 2 - 1/26/2021 (Rev. 29 and 30) • Phase 1 - 3/7/2019 (Rev. 31) • Phase 2 - 3/5/2021 (Rev. 31) • Phase 1 - 5/20/2019 (Rev. 32/ 33) • Phase 2 - 5/18/2021 (Rev. 32/ 33) • Phase 1 - 6/27/2019 (Rev. 34) • Phase 2 - 6/25/2021 (Rev. 34) • Phase 1 - 9/6/2019 (Rev. 35) • Phase 2 - 9/6/2021 (Rev. 35) • Phase 1 - 10/25/2019 (Rev. 36) 	<ul style="list-style-type: none"> • Cascading extension of schedule from Preliminary (30%) Design. • Cascading extension of schedule from Intermediate (60%) Design Addendum. • Added high level details on construction activities at 60% design stage. • Cascading changes from Intermediate (60%) Design and 60% Design Addendum. • Cascading changes from the Freshwater Source Evaluation and Comment Resolution schedule. • Cascading changes from Pre-Final (90%) Design. • Updated the construction schedule per the September 8, 2014 Pre-Final (90%) Design Submittal. • Cascading changes from certification of Final SEIR and Agencies' approval of Final Design and C/RAWP. • Implementation of phased construction approach. • Extension of Phase 1 construction schedule reflects temporary shutdown of project in Jan 2019 due to PG&E Chapter 11 bankruptcy filing, approved work variance requests, and current implementation challenges. • Extension of Phase 2 construction schedule reflects the cascading effects of Phase 1 and an extended period for initial operation of the NTH IRZ from 12 to 24 months to get data from a full IRZ operation cycle (6 months on, 18 months off).

	<ul style="list-style-type: none"> • Phase 2 – 10/25/2021 (Rev. 36) • Phase 1 – 10/2/2020 (Rev. 37) • Phase 2 – 9/7/2022 (Rev. 37) • Phase 1 – 9/15/2020 (Rev. 38, 39, & 40) • Phase 1 – 6/28/2021 (Rev. 41, 42, 43, 44) • Phase 2 – 7/1/2024 (Rev. 41, 42, 43, 44) 	
<p>Start-up (Lines 1712 and 1715)</p>	<p>FF for completion of startup</p> <ul style="list-style-type: none"> • 12/14/2015 (Rev. 14) • 5/13/2016 (Rev. 15) • 12/2/2016 (Rev. 16) • 2/20/2017 (Rev. 17) • 11/23/2017 (Rev. 18) • 1/2/2018 (Rev. 19) • 1/24/2018 (Rev. 20) • 3/28/2018 (Rev. 21) • 6/21/2018 (Rev. 22) • 6/29/2018 (Rev. 23) • 9/10/2019 (Rev. 24) • 10/15/2019 (Rev. 25) • 12/31/2019 (Rev. 26) • 3/4/2021 (Rev. 27) • 4/15/2021 (Rev. 28) • NTH IRZ – 1/28/2020 (Rev. 29 and 30) • Remaining System – 1/31/2022 (Rev. 29 and 30) • NTH IRZ – 3/6/2020 (Rev. 31) • Remaining System – 3/10/2022 (Rev. 31) • NTH IRZ – 5/19/2020 (Rev. 32/33) • Remaining System – 5/23/2022 (Rev. 32/33) • NTH IRZ – 6/26/2020 (Rev. 34) • Remaining System – 6/30/2022 (Rev. 34) • NTH IRZ – 9/7/2020 (Rev. 35) • Remaining System – 9/9/2022 (Rev. 35) • NTH IRZ – 10/26/2020 (Rev. 36) • Remaining System – 10/28/2022 (Rev. 36) • NTH IRZ – 9/20/2020 (Rev. 37) • Remaining System – 8/25/2022 (Rev. 37) • NTH IRZ – 9/16/2020 (Rev. 38, 39, & 40) • NTH IRZ – 6/30/2023 (Rev. 41, 42, 43, 44) 	<ul style="list-style-type: none"> • Cascading extension of schedule from the above items. • Cascading changes from Intermediate (60%) Design and 60% Design Addendum. • Cascading changes from the Freshwater Source Evaluation schedule. • Cascading changes from Pre-Final (90%) Design. • Cascading changes from Construction line items. • Cascading changes from approval of Final Design and C/RAWP. • Implementation of phased construction approach. • Extension of the completion of NTH IRZ start-up/initial operation reflects changes in a) Phase 1 construction (see above) and b) duration of initial operation from 12 to 24 months to get data from a full IRZ operation cycle (6 months on, 18 months off).

Soil (No changes from 7/8/2020 schedule)

Soil Risk Assessment
(Draft, RTCs, Final,
Approvals)

(Lines 979 - 1001)

- FF 7/22/2015 (Rev. 16)
- FF 6/7/2016 (Rev. 17)
- FF 10/18/2016 (Rev. 18)
- FF 5/16/2017 (Rev. 20)
- FF 8/15/2017 (Rev. 22)
- FF 8/14/2017 (Rev. 23)
- FF 11/28/17 (Rev. 24)
- FF 12/13/17 (Rev. 25)
- FF 4/17/2018 (Rev. 26)
- FF 5/15/2018 (Rev. 27)
- FF 5/22/2017 (Rev. 28 and 29)
- FF 6/5/2017 (Rev. 30)
- FF 4/20/2018 (Rev. 32 and 33)
- FF 6/8/2018 (Rev. 34)
- FF 7/30/2018 (Rev. 35 and 36)
- FF 3/15/2019 (Rev. 37 and 38)
- FF 7/29/2019 (Rev. 39 and 40)
- FF 11/29/19 (Rev. 41, 42)
- FF 2/29/2020 (Rev. 43)
- Actual Finish 5/29/2020 (Rev. 44)

- Adjusted schedule to reflect current anticipated schedule for approval of Final Soil RFI/RI Work Plan, completion of Work Plan Implementation/Data Analysis, approval of RFI/RI Vol. 3 Reporting, and approval of the Risk Assessment Work Plan Addendum II.
- Cascading changes from Soil Work Plan approval and implementation.
- Accelerate Soil Risk Assessment Activities to overlap with Soil Investigation Activities.
- Cascading changes from Soil Work Plan implementation/Data Gaps Analysis.
- Adjusted schedule to reflect the preparation of a Data Summary for EPCs Calculation, and a RTC process in accordance with the October 29, 2012 letter from DTSC to Tribes, titled Response to Comments Process - PG&E Topock Compressor Station, Needles, California
- Cascading changes from Work Plan Implementation/Data Gaps Evaluation.
- Schedule reflects implementation of Soil RFI-RI-RA RTC protocol.
- Schedule reflects additional time required for preparation of the Draft Soil Risk Assessment Report, and review/comment on the draft report.
- Extension of the completion schedule reflects temporary shutdown of project in Jan 2019 due to PG&E Chapter 11 bankruptcy filing, the time required to respond to comments and resolve comments, and to finalize the report.
- Extension of the completion schedule reflects the preparation of an errata to the Soil RA report.
- Extension of the completion schedule reflects time for Tribes to review and comment on the errata, and for agencies to respond to Tribes' comments.

<p>RFI/RI Vol. 3 Reporting (Draft, RTCs, Final, Approvals) (Lines 1002 – 1029)</p>	<ul style="list-style-type: none"> • FF 7/8/2014 (Rev. 15) • FF 10/1/2014 (Rev. 16) • FF 8/18/2015 (Rev. 17) • FF 12/29/2015 (Rev. 18) • FF 7/26/2016 (Rev.20) • FF 10/25/2016 (Rev. 22) • FF 10/24/2016 (Rev. 23) • FF 2/7/2017 (Rev. 24) • FF 2/22/2017 (Rev. 25) • FF 6/27/2017 (Rev. 26) • FF 7/25/2017 (Rev. 27) • FF 2/16/2017 (Rev. 28 and 29) • FF 11/15/2017 (Rev. 30) • FF 10/29/2018 (Rev. 32 and 33) • FF 12/17/2018 (Rev. 34) • FF 2/7/2019 (Rev. 35 and 36) • FF 9/24/2019 (Rev. 37 and 38) • FF 2/7/2020 (Rev. 39 and 40) • FF 6/9/2020 (Rev. 41) • FF 9/7/2020 (Rev. 42, 43) • FF 11/3/2021 (Rev. 44, 45) 	<ul style="list-style-type: none"> • Adjusted schedule to reflect current anticipated approval date and scope of the Final Soil RFI/RI Work Plan. • Cascading changes from Soil Work Plan approval and Soil EIR. • Cascading changes from Soil Work Plan approval and implementation. • Cascading changes from Soil Work Plan implementation/Data Gaps Analysis. • Adjusted schedule to incorporate results from the soil risk assessment into the RFI/RI Vol. 3 Report, and to reflect a RTC process in accordance with the October 29, 2012 letter from DTSC to Tribes, titled Response to Comments Process - PG&E Topock Compressor Station, Needles, California • Cascading changes from Work Plan Implementation/Data Gaps Evaluation. • Schedule reflects implementation of Soil RFI-RI-RA RTC protocol. • Cascading changes from Soil Risk Assessment. • Extension of schedule to reflect the additional time needed to incorporate results from the Soil Risk Assessment after agencies' approval. Additional time was also added to allow Tribes, stakeholders, and agencies more time to review the report over end of year holidays. • Extension of schedule to reflect a revision of the Soil RFI/RI Vol. 3 report and additional review as well as RTC of the revised report.
<p>Soil Corrective Measure Study/Feasibility Study (Draft CMS/FS, RTC, Final CMS/FS, Agencies Approval) (Lines 1342-1363)</p>	<ul style="list-style-type: none"> • FF 11/24/2022 (Rev. 44, 45) 	
<p>DTSC CEQA Evaluation (placeholder only) (Line 1364)</p>	<ul style="list-style-type: none"> • To be determined after CMS/FS is complete. 	
<p>Statement of Basis including Public Review to Remedy Adoption (Lines 1373-1379)</p>	<ul style="list-style-type: none"> • FF 6/28/2023 (Rev. 44, 45) 	

Proposed Plan/Record of Decision (Lines 1392-1401)	<ul style="list-style-type: none">• FF 9/21/2023 (Rev. 44, 45)	
Soil Non-Time Critical Removal Action (Evaluation/Cost Analysis [EE/CA] through Action Memorandum (Lines 1402-1410)	<ul style="list-style-type: none">• FF 2/1/2021 (Rev. 44, 45)	