

Handout 14B
Schedule Highlights
Summary of Key Schedule Changes

Consultative Work Group Meeting
October 28, 2015

Schedule Highlights

Groundwater Remedy Design

- Pre-final (90%) RTCs and Comment Resolution
 - ✓ DTSC/DOI issue direction on Final Design – 10/19
 - ✓ DTSC sent Final RTC Table with inputs – 10/20
- Final Design Submittal
 - ✓ PG&E produce final design/submit to Agencies – 11/18
- State CEQA Evaluation/Preparation of Groundwater Subsequent EIR (SEIR)
 - ✓ See Handout 14A (Lines 1602-1639) - 4/13/15 - 2/6/2017
- Agencies Review/Approve Design and C/RAWP
 - ✓ Agencies Approval – anticipated 2/6/2017

Soil Investigation Activities

- Work Plan Implementation
 - ✓ Agencies approved Soil Work Plan – 8/24/15
 - ✓ Pre-Construction Planning – 8/25/15 – 11/2/15
 - Historical Resources Field Verification Survey – completed 9/23
 - Report submitted to DTSC and BLM – 10/22
 - Project initiation meeting – 10/29
 - Permitting/access agreements – target completion 11/23
 - ✓ Field Implementation – 11/3/15 – 3/1/16
 - ✓ Data Gaps Analysis – 12/21/15 – 4/13/16
 - ✓ Final Determination that Additional Data Collection is not required – 4/13/16
- Reporting
 - ✓ RFI/RI Volume 3 - Target start April 2016

Soil Risk Assessment (RA) Activities

- Accelerate Soil RA to overlap with Soil Investigation activities
 - Prepare Draft Soil RA Report – 12/21/15 – 9/30/16
 - Calculate Exposure Point Concentrations (EPCs) – 4/14/16 – 7/11/16
 - Meeting to discuss EPCs – target 6/28/16
 - Review Draft Soil RA
 - DTSC sends RA Report to Tribes/Stakeholders – 10/5/16
 - Tribes and Stakeholders Review/Comment – 10/6 – 11/7/16
 - Agencies Review/Comment – 10/6 – 11/21/16
 - Response to Comments (RTCs) – 11/22/16 – 2/6/17
 - Prepare RTCs – 11/22 – 12/20/16
 - Tribes and Stakeholders Review/Comment – 12/21/16 – 1/20/17
 - Agencies Review/Comment – 12/21/16 – 2/6/17
 - Meeting to discuss RTCs – 1/10/17
 - Finalize Soil RA Report – 2/7 – 4/20/17
 - Agencies Review/Approve Soil RA Report – Target 5/22/17

Summary of Key Schedule Changes

Handout 14B

Summary of Key Schedule Changes since August 15, 2007 (Rev. 27)

October 28, 2015 changes highlighted in Yellow – changes are from July 22, 2015

Activities	Forecast Schedule Deviation	Key Reasons
Groundwater		
<p>Pre-Final (90%)/Final Design and Construction/Remedial Action Work Plan (through CEQA Review and Approvals) (Lines 1544 - 1641)</p>	<ul style="list-style-type: none"> • FF 9/24/2012 (Rev. 11) • FF 10/2/2012 (Rev. 12) • FF 11/30/2012 (Rev. 13) • FF 1/29/2013 (Rev. 14) • FF 7/2/2013 (Rev. 15) • FF 1/20/2014 (Rev. 16) • FF 5/22/2014 (Rev. 17) • FF 9/8/2014 (Rev. 18) • FF 10/7/2014 (Rev. 19) • FF 10/29/2014 (Rev. 20) • FF 12/31/2014 (Rev. 21) • FF 3/26/2015 (Rev. 22) • FF 4/3/2015 (Rev. 23) • FF 6/30/2015 (Rev. 24) • FF 8/4/2015 (Rev. 25) • FF 10/22/2015 (Rev. 26) • FF 12/26/2016 (Rev. 27) • FF 2/6/2017 (Rev. 28) 	<ul style="list-style-type: none"> • Cascading extension of schedule from Preliminary (30%) Design. • Extend duration for CWG/TWG review from 30 to 60 calendar days. • Extend duration for Tribal Consultation from 30 to 60 calendar days. • Extend duration of DTSC/DOI review from 45 to 75 calendar days. • Cascading changes from Intermediate (60%) Design and 60% Design Addendum. • Cascading changes from the Freshwater Source Evaluation and Comment Resolution schedule. • Extension of schedule reflected a) the additional time required to complete resolution of 60% comments and b) the added time anticipated for resolution of 90% (from 1 month to 3 months). • Extend duration for Agencies' review/approval of design to 2 work weeks. • Addition of supplemental design. Extend duration for Agencies/Stakeholders/Tribes review. • Adjusted response to comments and comment resolution to reflect the nature/number of comments received and the 90% RTC protocol. • Addition of a web-based comment resolution meeting on August 26-27, 2015. • Addition of State CEQA review and preparation of the Groundwater Subsequent EIR (SEIR).
<p>Right of Ways/Easements/Landowner Agreements/Other Approvals/Compliance/Community Outreach (Lines 1642 - 1644)</p>	<ul style="list-style-type: none"> • FF 12/28/2012 (Rev. 11) • FF 1/7/2013 (Rev. 12) • FF 2/27/2013 (Rev. 13) • FF 4/15/2013 (Rev. 14) • FF 9/13/2013 (Rev. 15) • FF 2/21/2014 (Rev. 16) • FF 6/23/2014 (Rev. 17) • FF 10/10/2014 (Rev. 18) • FF 11/10/2014 (Rev. 19) • FF 12/1/2014 (Rev. 20) 	<ul style="list-style-type: none"> • Cascading extension of schedule from Preliminary (30%) Design. • Cascading extension of schedule from Intermediate (60%) Design. • Added details on community outreach activities – State/Federal. • 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. • Cascading changes from approval of Final Design and C/RAWP.

	<ul style="list-style-type: none"> • FF 2/2/2015 (Rev. 21) • FF 4/27/2015 (Rev. 22) • FF 5/4/2015 (Rev. 23) • FF 7/30/15 (Rev. 24) • FF 9/3/15 (Rev. 25) • FF 11/27/15 (Rev. 26) • FF 1/25/17 (Rev. 27) • FF 3/6/17 (Rev. 28) 	
Construction (through Commissioning) (Lines 1657 - 1670)	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) 	<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 approval of Final Design and C/RAWP.
Start-up (Lines 1674-1681)	FF for completion of startup <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) 	<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.

- 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)

Soil

Soil RFI/RI Work Plan (Draft, Final, and Work Plan Approvals including CEQA review) (Lines 825-921)

- Extend FF by 1.5 mos.
- Extend FF by 2 weeks
- Submitted RTCs on 5/5/08
- Submitted letter on Part B phasing on 7/17/08. In agencies review (Rev. 4)
- Submitted details on approach to Part B Phase 1 on 9/30/08. In agencies review (Rev. 5). Part B is on hold until agencies complete this review (Rev. 6)
- Extend FF to 12/1/2011 (Rev. 7)
- Reduce FF to 1/19/2011 (Rev. 8)
- Extend FF to 5/25/2011 (Rev. 9)
- Extend FF to 7/28/2011 (Rev. 10)
- FF 8/31/2011 (Rev. 11)
- FF 12/6/2011 (Rev. 12)
- FF 3/1/2012 (Rev. 13)
- FF 5/11/2012 (Rev. 14)
- FF 9/6/2012 (Rev. 15)
- FF 10/31/2012 (Rev. 16)
- FF 9/13/2013 (Rev. 17)
- FF 1/24/14 (Rev. 18)
- FF 8/22/2014 (Rev.20)
- FF 11/21/2014 (Rev. 22)
- FF 11/20/2014 (Rev. 23)
- FF 3/6/2015 (Rev. 24)
- FF 3/26/2015 (Rev. 25)
- FF 7/27/2015 (Rev. 26)
- FF 8/21/2015 (Rev. 27)
- AF 8/24/2015 (Rev. 28)
- 1 month due to DQO discussion and past data evaluation.
- 0.5 month due to incorporation of perimeter sampling walk/verification.
- Additional time for agency review of Part B Work Plan.
- DTSC completed review of Part B Phase 1 proposal (7/2/09), issued request letter to PG&E.
- PG&E responded to DTSC's 7/2/09 letter (8/14/09).
- PG&E received DTSC's final direction on Part B (10/5/09), to resume Part B activities in February 2010.
- Added time for agency review and direct on conflicting comments on Draft Part B Work Plan.
- Adjusted schedule to reflect State of CA furlough ending 6/1/2010.
- Align the start of Section 106 Consultation with the start of stakeholders/agencies review of Final Part B Work Plan.
- Added time for preparation/submittal/concurrence with Draft DQO TM.
- Added time for preparation/submittal of Draft DQO TM.
- Adjusted time for revision of Draft Part B DQO TM, combination of Part A and Part B into one Work Plan, and reflection of PA consultation (55 calendar days).
- Adjusted schedule to reflect additional time for Tribal consultation (total of 55 calendar days), followed by SHPO consultation (assume 30 calendar days).
- Adjusted schedule to reflect the comment resolution period, including time for site visits requested by DTSC and the Tribes.
- Schedule extension reflected additional time for comment resolution.
- Schedule extension also reflected additional time for revising work plan to incorporate responses to comments.
- Additional two weeks for CWG/TWG/Tribes to review responses to comments.
- TWG meeting to discuss responses to comments.
- Added approx. 4 weeks for comment resolution.
- The current anticipated approval date for the Final Soil RFI/RI Work Plan is an estimate and is pending CEQA review.

		<ul style="list-style-type: none"> Adjusted schedule to reflect additional time required to respond to DTSC's comments on the September 2012 Work Plan and to revise the Work Plan. Adjusted schedule to include the Soil EIR and to reflect the new agency approval date for the Soil Work Plan. Additional time required for Tribal discussion on mitigation measures (Soil EIR). Additional time required for survey and reporting of historical/ archaeological sites in the Soil EIR Project Area. Additional time to incorporate the survey information into the Soil EIR. Schedule reflected additional time for Soil EIR/Work Plan approval (e.g., data gaps evaluation, Tribal inputs on land use and key view, view shed visual analysis). Extension of an additional 15 days for review of Draft Soil EIR by Tribes. Additional time for a) compiling/responding to comments received, b) preparing a second draft Screen Check Soil EIR, if needed, and c) circulating the Final Soil EIR for 10 days. Addition of Bat Habitat Assessment and time for finalizing the Soil EIR. Additional time required for recirculation of Biological section of the Soil EIR. Additional time required for bat survey in Spring 2015 and subsequent production of the Bat Survey Report.
<p>Work Plan Implementation/ Data Gaps Analysis (Lines 922-934)</p>	<ul style="list-style-type: none"> FF 8/16/2013 (Rev. 15) FF 10/24/2013 (Rev. 16) FF 9/8/2014 (Rev. 17) FF 1/19/2015 (Rev. 18) FF 8/17/2015 (Rev.20) FF 11/16/2015 (Rev. 22) FF 11/13/2015 (Rev. 23) FF 2/29/2016 (Rev. 24) FF 3/17/2016 (Rev. 25) FF 7/19/2016 (Rev. 26) FF 8/15/2016 (Rev. 27) FF 4/13/2016 (Rev. 28) 	<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. Changes reflected contractor's best estimate of field implemental schedule.
<p>RFI/RI Vol. 3 Reporting (Draft, RTCs, Final, Approvals) (Lines 935 - 950)</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) 	<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.

	<ul style="list-style-type: none"> • 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 2/10/2017 (Rev. 28) 	
<p>Risk Assessment Work Plan Addendum II (through Approvals)</p> <p>(Lines 1158-1185)</p>	<ul style="list-style-type: none"> • FF 1/24/2014 (Rev. 16) • FF 3/12/2014 (Rev. 17) • FF 5/11/2014 (Rev. 18) • FF 12/7/2014 (Rev. 20) • FF 1/15/2015 (Rev. 23) • FF 7/12/2015 (Rev. 24) • FF 7/30/2015 (Rev. 25) • FF 7/29/2015 (Rev. 26) • AF 9/15/2015 (Rev. 28) 	<ul style="list-style-type: none"> • Adjusted schedule to reflect the additional time required for review/comment on the proposed changes to the RAWP and the Arrowweed tech memo. • Cascading changes from Soil Work Plan approval and Soil EIR. • Additional time required for review/comment of RAWP Addendum II. • Additional time for agencies' direction on Addendum II. • Additional time for discussion of recreational use scenario with Tribes, evaluation of comments received, and responding to comments.
<p>Soil Risk Assessment (through Approvals)</p> <p>(Lines 1203 - 1220)</p>	<ul style="list-style-type: none"> • 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) 	<ul style="list-style-type: none"> • 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.
<p>CMS/FS Report (through Approvals)</p> <p>(Lines 1275 - 1292)</p>	<p>FF for approval of CMS/FS</p> <ul style="list-style-type: none"> • 2/21/12 (Rev. 2) • 7/3/2012 (Rev. 3) • 8/21/2012 (Rev. 5) • 2/15/2013 (Rev. 6) • 12/4/2013 (Rev. 7) • 5/16/2014 (Rev. 8) • 5/14/2014 (Rev. 9) • 5/23/2014 (Rev. 10) • 5/21/2014 (Rev. 11) • 8/27/2014 (Rev. 12) 	<ul style="list-style-type: none"> • Approx. 2 months due to cascading delay from Part A Phase 1 workplan/approval/permitting. • 1 month from adding a link between tribal review of CMS/FS and PG&E response to comments. • Cascading delay from Part A approval. • Cascading delay from Part A Phase 1 data gaps evaluation. • Revise the Soil CMS/FS steps to mirror the Groundwater CMS/FS steps <ul style="list-style-type: none"> • E.g., discussion draft, draft, resolution to comments, final. • Use the duration of the Groundwater CMS/FS steps as placeholders. • Keep the sequential order of RFI/RI and Risk before CMS/FS. • Reflect revised Part A and B schedule.

<ul style="list-style-type: none"> • 11/19/2014 (Rev. 13) • 1/29/2015 (Rev. 14) • 5/27/2015 (Rev. 15) • 6/9/2016 (Rev. 16) • 4/26/2017 (Rev. 17) • 9/6/2017 (Rev. 18) • 4/4/2018 (Rev. 20) • 6/30/2018 (Rev. 22) • 6/29/2018 (Rev. 23) • 10/17/2018 (Rev. 24) • 11/1/2018 (Rev. 25) • 3/6/2019 (Rev. 26) • 4/3/2019 (Rev. 27) • 4/6/2018 (Rev. 28) 	<ul style="list-style-type: none"> • Added time for “Prepare Response to Comments” before CMS/FS comments resolution. • Added a hard link between the completion of the risk assessment and the start of the CMS/FS. • 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 Risk Assessment Activities.
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