

File No. 101304

Committee Item No. 3

Board Item No. _____

COMMITTEE/BOARD OF SUPERVISORS

AGENDA PACKET CONTENTS LIST

Committee: Land Use and Economic Development Date November 8, 2010

Board of Supervisors Meeting Date _____

Cmte Board

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| <input type="checkbox"/> | <input type="checkbox"/> | Motion |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Resolution |
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| <input type="checkbox"/> | <input type="checkbox"/> | Legislative Digest |
| <input type="checkbox"/> | <input type="checkbox"/> | Budget Analyst Report |
| <input type="checkbox"/> | <input type="checkbox"/> | Legislative Analyst Report |
| <input type="checkbox"/> | <input type="checkbox"/> | Youth Commission Report |
| <input type="checkbox"/> | <input type="checkbox"/> | Introduction Form (for hearings) |
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| <input type="checkbox"/> | <input type="checkbox"/> | Form 126 – Ethics Commission |
| <input type="checkbox"/> | <input type="checkbox"/> | Award Letter |
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OTHER

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| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Public Utilities Commission Resolution No. 10-0174</u> |
| * <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Draft Environmental Impact Report, dtd 12/10/09</u> |
| * <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Attachment A: CEQA Findings</u> |
| * <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Attachment B: Mitigation Monitoring and Reporting Program</u> |
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Completed by: Alisa Somera Date November 5, 2010

Completed by: _____ Date _____

An asterisked item represents the cover sheet to a document that exceeds 25 pages.
The complete document can be found in the file.

1 [Crystal Springs Pipeline Number Two Replacement Project Findings]

2
3 **Resolution adopting findings under the California Environmental Quality Act, including**
4 **the adoption of a mitigation monitoring and reporting program and a statement of**
5 **overriding considerations related to the Crystal Springs Pipeline Number 2 Replacement**
6 **Project No. CUW37801, part of the Water System Improvement Program for the**
7 **improvements to the regional water supply system; and directing the Clerk of the Board**
8 **of Supervisors to notify the Controller of this action.**

9
10 WHEREAS, The San Francisco Public Utilities Commission (SFPUC) has developed a
11 project description for the Crystal Springs Pipeline Number 2 Replacement Project, Project No
12 CUW37801, a water infrastructure project included as part of the Water System Improvement
13 Program (WSIP) (the "Project"). The Project is located in San Mateo County, and includes
14 the following key components: replacing approximately 1.3 miles of Crystal Springs Pipeline
15 No. 2 at 12 sites; sliplining approximately 3.5 miles of Crystal Springs Pipeline No. 2 along El
16 Camino real in the cities of Burlingame and Millbrae, and inside the Pacific Gas and Electric
17 Company's Martin Substation in the cities of Daly City and Brisbane; relocating approximately
18 0.3 miles of Crystal Springs Pipeline No. 2 in South San Francisco; reconfiguring, removing,
19 and retrofitting pipe support piers at two San Mateo Creek crossing locations consistent with
20 modified bridge design plans; recoating, repainting, and screening of exposed portions of
21 Crystal Springs Pipeline No. 2 at 6 locations; and installing and replacing cathodic protection
22 systems at 9 sites and installing electrical isolation gaskets at 31 sites. Some construction
23 activities would occur concurrently over the nineteen project component sites and other
24 activities require sequential implementation; and

1 WHEREAS, The objective of the Project is to maintain reliable water delivery to SFPUC
2 customers served by the Crystal Springs Pipeline No. 2 by completing necessary
3 improvements to prevent failure of the pipeline during a major earthquake; and

4 WHEREAS, An environmental impact report ("EIR") as required by the California
5 Environmental Quality Act ("CEQA") was prepared for the Project in Planning Department File
6 No. File No. 2005.0963E; and

7 WHEREAS, The Final EIR ("FEIR") was certified by the San Francisco Planning
8 Commission on September 30, 2010 by Motion 18181; and

9 WHEREAS, The FEIR prepared for the Project is tiered from the WSIP Program
10 Environmental Impact Report ("PEIR") certified by the Planning Commission on October 30,
11 2008 by Motion No. 17734; and

12 WHEREAS, Thereafter, the SFPUC approved the WSIP and adopted findings and a
13 Mitigation Monitoring and Reporting Program (PEIR MMRP) as required by CEQA on October
14 30, 2008 by Resolution No. 08-200; and

15 WHEREAS, On October 15, 2010, the San Francisco Public Utilities Commission
16 (SFPUC), by Resolution No. 10-0174, a copy of which is included in Board of Supervisors File
17 No. 101304 and which is incorporated herein by this reference: (1) approved the Project; (2)
18 adopted findings (CEQA Findings), including a statement of overriding considerations, and a
19 Mitigation Monitoring and Reporting Program (MMRP) required by CEQA; and

20 WHEREAS, The Project files, including the FEIR, PEIR and SFPUC Resolution No. 10-
21 0174 have been made available for review by the Board and the public, and those files are
22 considered part of the record before this Board; and

23 WHEREAS, The Board of Supervisors has reviewed and considered the information
24 and findings contained in the FEIR, PEIR and SFPUC Resolution No. 10-0174, and all written
25

1 and oral information provided by the Planning Department, the public, relevant public
2 agencies, SFPUC and other experts and the administrative files for the Project; and

3 WHEREAS, This Board of Supervisors adopted Ordinance No. 0092-10 that placed
4 WSIP appropriated funds on Controller's Appropriation Reserve, by project, making release of
5 appropriation reserves by the Controller subject to the prior occurrence of: (1) the SFPUC's
6 and the Board's discretionary adoption of CEQA Findings for each project, following review
7 and consideration of completed project-related environmental analysis, pursuant to CEQA, the
8 State CEQA Guidelines, and Chapter 31 of the San Francisco Administrative Code, where
9 required, and (2) the Controller's certification of funds availability, including proceeds of
10 indebtedness; now, therefore, be it

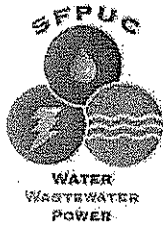
11 RESOLVED, That the Board of Supervisors has reviewed and considered the FEIR
12 and record as a whole, finds that the FEIR is adequate for its use as the decision-making
13 body for the action taken herein including, but not limited to, approval of the Project and
14 adopts and incorporates by reference as though fully set forth herein the CEQA Findings,
15 including the statement of overriding considerations, and the MMRP contained in Resolution
16 No. 10-0174; and, be it

17 FURTHER RESOLVED, That the Board finds that the Project mitigation measures set
18 forth in the FEIR and the MMRP and adopted by the SFPUC and herein by this Board will be
19 implemented as reflected in and in accordance with the MMRP; and, be it

20 FURTHER RESOLVED, The Board finds that since the FEIR was finalized, there have
21 been no substantial project changes and no substantial changes in Project circumstances that
22 would require major revisions to the FEIR due to the involvement of new significant
23 environmental effects or an increase in the severity of previously identified significant impacts,
24 and there is no new information of substantial importance that would change the conclusions
25 set forth in the FEIR; and, be it

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FURTHER RESOLVED, That the Board directs the Clerk of the Board to forward this Resolution to the Controller.



AGENDA ITEM
Public Utilities Commission
City and County of San Francisco



DEPARTMENT Infrastructure Division AGENDA NO. 11
 MEETING DATE: October 15, 2010

Approve Project: Regular Calendar
 Julie Labonte

Project No. CUW37801, Approve Project, Crystal Springs Pipeline No.2 Replacement

<p>Summary of Proposed Commission Action:</p>	<p>Approve Water Enterprise Water System Improvement Program (WSIP) Project No. CUW37801, Crystal Springs Pipeline No.2 Replacement Project – Modified Bridge Design Alternative (Project); adopt the required California Environmental Quality Act (CEQA) Findings, including a Statement of Overriding Considerations and the Mitigation Monitoring and Reporting Program (MMRP); and authorize the General Manager to implement the Project, in compliance with the Charter and applicable law, and subject to Board of Supervisors approval where required, including the following actions:</p> <p>a. Negotiate and execute Memoranda of Agreement (MOAs) with the City of Burlingame, City of Daly City, City of San Bruno, City of Millbrae, City of South San Francisco, Town of Hillsborough, and San Mateo County with respect to proposed Project construction activities within each such jurisdiction;</p> <p>b. Negotiate and obtain from California Department of Transportation (CalTrans), SamTrans, City of Brisbane, City of Burlingame, City of Daly City, City of San Bruno, City of Millbrae, City of South San Francisco, Town of Hillsborough, San Mateo County, California Department of Toxic and Substance Control, and Pacific Gas & Electric Company (PG&E), as necessary, encroachment permits, real estate licenses, consents, or other permits or agreements with respect to Project construction activities and/or the placement of water system improvements in lands owned by such entities.</p>
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APPROVAL:

DEPARTMENT / BUREAU

Mike Housh

FINANCE

Todd L. Rydstrom

COMMISSION SECRETARY

Mike Housh

GENERAL MANAGER

Ed Harrington

c. Exercise any City or San Francisco Public Utilities Commission (SFPUC or Commission) right under any deed, easement, lease, permit, or license as necessary, and negotiate and execute with owners or occupiers of property interests or utility facilities or improvements on, along, over, under, adjacent to, or in the vicinity of the SFPUC's right-of-way, new or amended easement, lease, permit, license, encroachment-removal or other project related agreements, if necessary for the Project.

d. Obtain permits or approvals from, or enter into other agreements with, state, federal, and local regulatory agencies, including but not limited to: CalTrans, U.S. Army Corps of Engineers, State Historic Preservation Officer, U.S. Fish & Wildlife Service, National Marine Fisheries Service, California Department of Fish and Game, San Francisco Regional Water Quality Control Board, Bayshore Sanitary District, California Department of Toxic and Substance Control, and Bay Area Air Quality Management District, and enter into agreements with third parties as necessary to implement conditions of those permits or approvals.

e. In compliance with Government Code Section 7260 *et seq.*, undertake the process for possible acquisition, for an estimated combined purchase price not to exceed \$ 250,000, of (a) temporary or permanent interest in real property located in San Mateo County, as follows: (i) Assessor's Parcel No. 135-041-009A owned by the Pacific Gas & Electric Company (PG&E), (ii) Assessor's Parcel No. 038-181-310 owned by the Town of Hillsborough, (iii) Assessor's Parcel No. 038 271 090 owned by Gladys and Thomas Callan, (iv) Assessor's Parcel No. 038 200 020 owned by Christian Deguigne, (v) Assessor's Parcel No. 032 340 290 owned by Lionel Carnot, and (vi) Assessor's Parcel No. 031 213 010 owned by Joe Gardiner; and (b) negotiate for and possibly acquire temporary easement rights over and upon two parcels of real property adjacent to El Camino Real located in, and owned by, the City of Millbrae, and obtain Board of Supervisors approval, if required.

f. Negotiate and execute real estate agreements and licenses, financial assurance instruments, and conservation easements related to City's right-of-way rights and/or acquisition and implementation of habitat mitigation sites, if necessary for the Project.

Notwithstanding the authority granted to the General Manager by this Resolution, the General Manager is not authorized to dispose of any real property, in any manner, including by sale, trade or transfer, without approval by the SFPUC pursuant to Charter Section 8B124.

Implementation actions will include advertising for construction bids for the project. Staff will seek Commission approval to award the construction contract(s) at a future date.

Background:	<p>The Project is one of the key regional projects to be completed as part of the WSIP. Approval of these actions will allow the SFPUC to proceed with improvements to the regional water system that will increase the system's overall seismic and delivery reliability.</p> <p>The Crystal Springs Pipeline No. 2 (CSPL2) is a 19-mile-long transmission pipeline that transports water from the Crystal Springs Pump Station at the base of Lower Crystal Springs Dam to the University Mound Reservoir in San Francisco. The CSPL2 alignment is located almost entirely within San Mateo County, including unincorporated county areas, the Town of Hillsborough, and the Cities of San Mateo, Burlingame, Millbrae, San Bruno, South San Francisco, Brisbane and Daly City, before it terminates in San Francisco.</p> <p>The Project goal is to maintain reliable water delivery to SFPUC customers served by the CSPL2 by completing necessary improvements to prevent failure of the CSPL2 during a major earthquake. The CSPL2 Project objectives are as follows:</p> <ul style="list-style-type: none">• Upgrade the CSPL2 to meet current seismic standards and WSIP seismic reliability level-of-service (LOS) goals;• Upgrade the CSPL2 to extend its service life to meet the WSIP program guidelines in a timely and expeditious manner;• Minimize interruptions of water delivery during and following a seismic event by replacing or sliplining seismically vulnerable segments of the pipeline, strengthening pipeline support piers at stream crossings, and minimizing the effects of weathering by recoating exposed pipes and upgrading the cathodic protection system;• Provide water system operation and maintenance flexibility within the Peninsula region water delivery system; and• Reduce the physical, social, and economic impacts associated with the potential rupture of the existing CSPL2 during a major earthquake. <p>A total of nineteen sites will be improved to meet the current seismic standards and the WSIP seismic reliability level-of-service goals. The project scope of work is as follows:</p> <ul style="list-style-type: none">• Replacing approximately 1.3 miles of CSPL2 at twelve sites;• Sliplining approximately 3.5 miles of CSPL2 along El Camino

	<p>Real in City of Millbrae and City of Burlingame, and inside the PG&E Martin Station in City of Daly City and City of Brisbane;</p> <ul style="list-style-type: none"> • Relocating approximately 0.3 miles of CSPL2 in South San Francisco; • Reconfiguring, removing, and retrofitting pipe support piers at two San Mateo Creek crossing locations consistent with modified bridge design plans; • Recoating, repainting, and screening of exposed CSPL2 at six locations; and • Installing and replacing cathodic protection system at nine sites and installing electrical isolation at 31 sites. <p>Project construction should be completed within two-and-a-half years of the commencement of construction. Some construction activities will occur concurrently over the nineteen project component sites and other activities require sequential implementation.</p>
<p>Result of Inaction:</p>	<p>The SFPUC would not be able to proceed with plans to implement the Project, and the CSPL2 would remain vulnerable to failure after a major seismic event or during major maintenance activities, thereby materially interfering with the SFPUC's ability to transmit water to meet customer demands.</p>
<p>Description of Project Action:</p>	<p>1. In order to move forward with the Project, the Commission must review and consider the certified Final Environmental Impact Report (EIR), and adopt the Project CEQA Findings, including the Statement of Overriding Considerations, and the MMRP. The Final EIR was provided to each member of the Commission. The EIR was prepared by the San Francisco Planning Department.</p> <p>The Final EIR identified and analyzed Project-specific significant impacts and found significant and unavoidable impacts in the following areas: land use; aesthetics; cultural resources; traffic, transportation, and circulation; noise and vibration; air quality; recreation; utilities and service systems; biological resources; geology, soils, and seismicity; hydrology and water quality; hazards and hazardous materials; and energy resources.</p> <p>Implementation of the Project, in light of the other planned SFPUC projects and other public and private projects located in the Project vicinity, would result in the following significant impacts: cumulative land use; cumulative traffic, transportation, and circulation; cumulative noise and vibration; cumulative recreation; and cumulative biological</p>

resources.

The Final EIR fully analyzed a proposed project and three alternatives. By approving the Project action described herein, the Commission will adopt Alternative 2 to the proposed project, the Modified Bridge Design Alternative, which is referred to as the Project throughout this agenda item. The Final EIR determined the Project to be the environmentally superior alternative under CEQA. The Project is identical to the proposed project analyzed in the Final EIR except that the Project includes alternate designs for the retrofit of piers that support the CSPL2 where it crosses San Mateo Creek (at Sites 5 and 10). The Project meets all of the SFPUC objectives identified in the Final EIR and results in fewer overall environmental impacts than the original proposed project. The Project will not result in significant impacts not identified in the Final EIR and, in addition, provides long-term hydrology and biological resource benefits relative to the proposed project analyzed in the Final EIR.

The CEQA Findings contain a Statement of Overriding Considerations justifying Project approval notwithstanding the potential for significant and unavoidable impacts, as authorized by CEQA. The CEQA Findings and MMRP are attached as Attachments A and B to the Commission Resolution for this agenda item.

2. Upon approval of the Project, SFPUC staff will proceed to implement the Project, including advertising for construction bids, and obtaining necessary agreements and permits. Staff will seek Commission review related to award of construction contract(s) at a future date.

3. The Project will involve work in the City of Brisbane, City of Burlingame, City of Daly City, City of San Bruno, City of Millbrae, City of South San Francisco, Town of Hillsborough, and San Mateo County (collectively, Local Agencies). The Project may require that the SFPUC request permits, consents, or other agreements from CalTrans, Local Agencies, or various necessary encroachment permits, real estate licenses, or other permits for construction and maintenance of City's pipelines in private or public land, and these permits shall be consistent with SFPUC existing fee or easement interests, where applicable. The terms and conditions of such permits or other instruments may require SFPUC to indemnify the respective jurisdictions, and the terms of the indemnity obligation will be subject to the San Francisco Risk Manager's approval. The Commission Resolution will authorize the General Manager to agree to such other terms and conditions (e.g., maintenance, repair, and relocation of improvements) that are in the public interest, are consistent with the SFPUC's existing rights, and in the judgment of the General Manager, in consultation with the City Attorney, are reasonable and appropriate for the scope and duration of the requested use.

4. For portions of the City-owned SFPUC right-of-way where the Project work will occur, the SFPUC has issued easements, leases, permits, or licenses to certain parties to use the right-of-way for various purposes, and in some instances other parties hold property rights or interests on lands along, over, under, adjacent to, or in the vicinity of the right-of-way that may be affected by the Project. The Resolution authorizes the General Manager, or his designee, to: (a) exercise any City or SFPUC right under any deed, easement, lease, permit, or license as necessary or advisable in connection with the Project, and (b) negotiate and execute with owners or occupiers of property interests or utility facilities or improvements, on, along, over, under, adjacent to or in the vicinity of, the SFPUC's right-of-way, new or amended easements, leases, permits, licenses, encroachment removal or other project related agreements (each, a Use Instrument) with respect to uses and structures, fences, and other above-ground or subterranean improvements or interests, orchards, trees, or other vegetation. The General Manager's authority so granted will include the authority, if necessary for the Project, to enter into, amend, or exercise rights under existing or new Use Instruments or MOAs with any owner or occupier of property on, along, over, under, adjacent to or in the vicinity of the SFPUC right-of-way, including Use Instruments required to accommodate project construction activities or schedule, or to implement Project mitigation measures. Any such new or amended Use Instrument or MOA will be in a form that the General Manager determines is in the public interest and is acceptable, necessary, and advisable to effectuate the purposes and intent of this Commission Resolution, and in compliance with the Charter and all applicable laws, and approved as to form by the City Attorney.

5. Implementation of the Project may involve consultation with, or required approvals by, state, federal, and local regulatory agencies, including but not limited to the following: U.S. Army Corps of Engineers, U.S. Fish & Wildlife Service, National Marine Fisheries Service, CalTrans, State Historic Preservation Officer, California Department of Fish and Game, San Francisco Regional Water Quality Control Board, Bayshore Sanitary District, California Department of Toxic Substances Control, and Bay Area Air Quality Management District (collectively, Regulatory Agencies). The Resolution authorizes the General Manager to apply for, and if necessary, seek Board of Supervisors' approval, and, if approved, accept and execute required approvals by these Regulatory Agencies, and to negotiate and execute agreements with third parties as necessary to comply with or implement the conditions of approval imposed by those Agencies. To the extent that the terms and conditions of the required approvals, or related agreements, will require SFPUC to indemnify other parties, those indemnity obligations are subject to review and approval by the San Francisco Risk Manager. The Resolution authorizes the General Manager to agree to such terms and conditions, and to execute such

	<p>other agreements as may be necessary to implement permit terms and conditions, that are within the lawful authority of the agency to impose, in the public interest, and, in the judgment of the General Manager, in consultation with the City Attorney, are reasonable and appropriate for the scope and duration of the required approval, as necessary for the Project.</p> <p>6. The Resolution will authorize the General Manager, in compliance with Government Code Section 7260 <i>et seq.</i>, to undertake the process for possible acquisition and if necessary seek the Board of Supervisors' approval of and, if approved, execute temporary or permanent easement agreements with Gladys and Thomas Callan, Christian Deguigne, Lionel Carnot, Joe Gardiner, PG&E, the Town of Hillsborough, and the City of Millbrae.</p>
Environmental Review:	The San Francisco Planning Commission certified a Final EIR for the Project, No. CUW37801, on September 30, 2010.
Recommendation:	SFPUC staff recommends that the Commission adopt the attached resolution.
Attachments:	<ol style="list-style-type: none">1. SFPUC Resolution2. Attachment A: CEQA Findings3. Attachment B: Mitigation Monitoring and Reporting Program (MMRP)

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. _____

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff has developed a project description under the Water System Improvement Program (WSIP) for the improvements to the regional water supply system, otherwise known as Project No. CUW37801, Crystal Springs Pipeline No.2 (CSPL2) Replacement Project (Project); and

WHEREAS, The objectives of the CSPL2 Project are to:

- Upgrade the CSPL2 to meet current seismic standards and WSIP seismic reliability level-of-service (LOS) goals;
- Upgrade the CSPL2 to extend its service life to meet the WSIP program guidelines in a timely and expeditious manner;
- Minimize interruptions of water delivery during and following a seismic event by replacing or sliplining seismically vulnerable segments of the pipeline, strengthening pipeline support piers at stream crossings, and minimizing the effects of weathering by recoating exposed pipes and upgrading the cathodic protection system;
- Provide water system operation and maintenance flexibility within the Peninsula region water delivery system;
- Reduce the physical, social, and economic impacts associated with the potential rupture of the existing CSPL2 during a major earthquake; and

WHEREAS, On September 30, 2010, the Planning Commission reviewed and considered the Final Environmental Impact Report (EIR) in Planning Department File No. 2005.0963E, consisting of the Draft EIR, the Comments and Responses document and Errata Sheet(s), and found that the contents of said report and the procedures through which the Final EIR was prepared, publicized and reviewed complied with the provisions of the California Environmental Quality Act (CEQA), the CEQA Guidelines and Chapter 31 of the San Francisco Administrative Code and found further that the Final EIR reflects the independent judgment and analysis of the City and County of San Francisco, is adequate, accurate and objective, and that the Comments and Responses document contains no significant revisions to the Draft EIR, and certified the completion of said Final EIR in compliance with CEQA and the CEQA Guidelines in its Motion No. _____; and

WHEREAS, By this resolution, the SFPUC intends to approve the Modified Bridge Design Alternative (analyzed in the Final EIR as Alternative 2 to the proposed project) and, therefore, the Modified Bridge Design Alternative is referred to herein as the Project; and

WHEREAS, The Final EIR identified the Project as the environmentally superior alternative under CEQA; and

WHEREAS, This Commission has reviewed and considered the information contained in the Final EIR, all written and oral information provided by the Planning Department, the public,

relevant public agencies, SFPUC and other experts and the administrative files for the Project and the Final EIR; and

WHEREAS, The Project and Final EIR files have been made available for review by the SFPUC and the public in File No. 2005.0963E, at 1650 Mission Street, Fourth Floor, San Francisco, California; and those files are part of the record before this Commission; and

WHEREAS, SFPUC staff prepared proposed findings (CEQA Findings), as required by CEQA, in Attachment A to this Resolution and a proposed Mitigation, Monitoring and Reporting Program (MMRP) in Attachment B to this Resolution, which material was made available to the public and the Commission for the Commission's review, consideration and action; and

WHEREAS, The Project is a capital improvement project approved by this Commission as part of the Water System Improvement Program (WSIP); and

WHEREAS, A Final Programmatic Environmental Impact Report was prepared for the WSIP and certified by the Planning Commission on October 30, 2008, by Motion No. 17734; and

WHEREAS, Thereafter, the SFPUC approved the WSIP and adopted findings and a MMRP as required by CEQA on October 30, 2008, by Resolution No. 08-200; and

WHEREAS, The Project includes work located in the City of Burlingame, City of Daly City, City of San Bruno, City of Millbrae, City of South San Francisco, Town of Hillsborough, and San Mateo County (collectively, Local Agencies); and

WHEREAS, The Project may require that the SFPUC obtain permits, consents, or enter into Memoranda of Agreements (MOAs), or other agreements with or from CalTrans and Local Agencies, or obtain various necessary encroachment permits or other permits for temporary construction activities in public or private land, and these permits and agreements shall be consistent with SFPUC existing fee or easement interests, where applicable; and

WHEREAS, The SFPUC has issued easements, leases, permits, or licenses to certain parties to use for various purposes portions of City-owned property along the SFPUC right-of-way where the Project work will occur, and in some instances other parties hold property rights or interests on lands on, along, over, under, adjacent to or in the vicinity of the right-of-way, and it may be necessary for the General Manager, or his designee, to: (a) exercise rights under any such deed, easement, lease, permit, or license or (b) negotiate and execute new or amended easements, leases, permits, licenses, or encroachment removal or other project related agreements or consents (each, a Use Instrument) with owners or occupiers of property interests or utility facilities or improvements on, along, over, under, adjacent to or in the vicinity of, City property with respect to uses and structures, fences, and other above-ground or subterranean improvements or interests, orchards, trees, or other vegetation, or to implement Project mitigation measures or accommodate Project construction activities and schedule; and

WHEREAS, The SFPUC staff will: (a) in compliance with Government Code Section 7260 et seq. statutory procedures pursue possible acquisition of temporary or permanent easement interests in real property over and upon: (i) Assessor's Parcel No. 135-041-009A

owned by the Pacific Gas & Electric Company (PG&E), (ii) Assessor's Parcel No. 038-181-310 owned by the Town of Hillsborough, (iii) Assessor's Parcel No. 038 271 090 owned by Gladys and Thomas Callan, (iv) Assessor's Parcel No. 038 200 020 owned by Christian Deguigne, (v) Assessor's Parcel No. 032 340 290 owned by Lionel Carnot, and (vi) Assessor's Parcel No. 031 213 010 owned by Joe Gardiner; and (b) negotiate for and possibly acquire temporary easement rights over and upon two parcels of real property adjacent to El Camino Real located in, and owned by, the City of Millbrae, for a total amount estimated to not exceed \$250,000; and

WHEREAS, Implementation of the Project will involve consultation with, or required approvals by, state, federal, and local regulatory agencies, including but not limited to the following: U.S. Army Corps of Engineers, U.S. Fish & Wildlife Service, National Marine Fisheries Service, CalTrans, State Historic Preservation Officer, California Department of Fish and Game, San Francisco Regional Water Quality Control Board, Bayshore Sanitary District, California Department of Toxic Substances Control, and Bay Area Air Quality Management District (collectively, Regulatory Agencies); now, therefore, be it

RESOLVED, This Commission has reviewed and considered the Final EIR, finds that the Final EIR is adequate for its use as the decision-making body for the actions taken herein, and hereby adopts the CEQA Findings, including the Statement of Overriding Considerations, attached hereto as Attachment A and incorporated herein as part of this Resolution by this reference thereto, and adopts the MMRP attached to this Resolution as Attachment B and incorporated herein as part of this Resolution by this reference thereto, and authorizes a request to the Board of Supervisors to adopt the same CEQA Findings, Statement of Overriding Considerations and MMRP; and be it

FURTHER RESOLVED, That this Commission hereby approves Project No. CUW37801 Crystal Springs Pipeline No.2 Replacement Project - Modified Bridge Design Alternative, and authorizes SFPUC staff to proceed with actions necessary to implement the Project consistent with this Resolution, including advertising for construction bids, provided, however, that staff will return to seek Commission approval for award of the construction contract(s); and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager, or his designee, to apply for and execute various necessary permits, encroachment permits or other agreements, including MOAs, with CalTrans and Local Agencies, which shall be consistent with SFPUC's existing fee or easement interests, where applicable. To the extent that the terms and conditions of the permits or agreements will require SFPUC to indemnify the respective jurisdictions, those indemnity obligations are subject to review and approval by the San Francisco Risk Manager. The General Manager is authorized to agree to such terms and conditions, including but not limited to those relating to maintenance, repair and relocation of improvements, that are in the public interest, and in the judgment of the General Manager, in consultation with the City Attorney, are reasonable and appropriate for the scope and duration of the requested use as necessary for the Project; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager, or his designee, to exercise any right as necessary under any deed or Use Instrument and negotiate and

execute new or amended Use Instruments, if necessary for the Project and subject to any applicable approvals, with owners or occupiers of property interests or utility facilities or improvements on, along, over, under, adjacent to, or in the vicinity of the SFPUC right-of-way, in a form that the General Manager determines is in the public interest and is acceptable, necessary, and advisable to accommodate Project construction activities and schedule, carry out Project-related mitigation measures, and to otherwise effectuate the purposes and intent of this Resolution, in compliance with the Charter and all applicable laws, and in such form approved by the City Attorney; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager, or his designee, to consult with, or apply for, and, if necessary, seek Board of Supervisors' approval, and if approved, to accept and execute permits or required approvals, and to execute such other agreements as may be necessary to implement permit terms and conditions or otherwise comply with the regulatory requirements of the Regulatory Agencies, including terms and conditions that are within the lawful authority of the agency to impose, in the public interest, and, in the judgment of the General Manager, in consultation with the City Attorney, are reasonable and appropriate for the scope and duration of the requested permit or approval, as necessary for the Project; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager to (a) undertake the process, in compliance with Government Code Section 7260 et seq., the San Francisco Charter, and all applicable laws, for possible acquisition of temporary or permanent easement rights over and upon real property in (i) Assessor's Parcel No. 135-041-009A owned by PG&E, (ii) Assessor's Parcel No. 038-181-310 owned by the Town of Hillsborough, (iii) Assessor's Parcel No. 038 271 090 owned by Gladys and Thomas Callan, (iv) Assessor's Parcel No. 038 200 020 owned by Christian Déguingne, (v) Assessor's Parcel No. 032 340 290 owned by Lionel Carnot, (vi) Assessor's Parcel No. 031 213 010 owned by Joe Gardiner, (b) in compliance with the San Francisco Charter and all applicable laws, negotiate for and possibly acquire temporary easement rights over and upon two parcels of real property adjacent to El Camino Real located in, and owned by, the City of Millbrae; and (c) to work with the Director of Real Estate to accept and execute the real property agreements authorized herein, subject to obtaining Board approval, if required; and be it

FURTHER RESOLVED, The General Manager will confer with the Commission during the negotiation process on real estate agreements and financial assurances, as necessary, and report to the Commission on all agreements submitted to the Board of Supervisors for approval. Notwithstanding the authority granted to the General Manager by this Resolution, the General Manager is not authorized to dispose of any right-of-way or other SFPUC interest in real property, in any manner, including by sale, trade or transfer, without approval by the SFPUC pursuant to Charter Section 8B124; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager, or his designee, to enter into any subsequent additions, amendments or other modifications to the permits, licenses, encroachment removal agreements, leases, easements, and other Use Instruments, real property agreements, financial assurances, transmission agreements, MOAs or amendments thereto, as described herein, that the General Manager, in consultation with the

City Attorney, determines are in the best interests of the SFPUC and the City, do not materially decrease the benefits to the SFPUC or the City, and do not materially increase the obligations or liabilities of the SFPUC or the City, subject to Board of Supervisors' approval, where required, such determination to be conclusively evidenced by the execution and delivery of any such additions, amendments, or other modifications.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of _____ *October 15, 2010* _____

Secretary, Public Utilities Commission

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. 10-0174

WHEREAS, San Francisco Public Utilities Commission (SFPUC) staff has developed a project description under the Water System Improvement Program (WSIP) for the improvements to the regional water supply system, otherwise known as Project No. CUW37801, Crystal Springs Pipeline No.2 (CSPL2) Replacement Project (Project); and

WHEREAS, The objectives of the CSPL2 Project are to:

- Upgrade the CSPL2 to meet current seismic standards and WSIP seismic reliability level-of-service (LOS) goals;
- Upgrade the CSPL2 to extend its service life to meet the WSIP program guidelines in a timely and expeditious manner;
- Minimize interruptions of water delivery during and following a seismic event by replacing or sliplining seismically vulnerable segments of the pipeline, strengthening pipeline support piers at stream crossings, and minimizing the effects of weathering by recoating exposed pipes and upgrading the cathodic protection system;
- Provide water system operation and maintenance flexibility within the Peninsula region water delivery system;
- Reduce the physical, social, and economic impacts associated with the potential rupture of the existing CSPL2 during a major earthquake; and

WHEREAS, On September 30, 2010, the Planning Commission reviewed and considered the Final Environmental Impact Report (EIR) in Planning Department File No. 2005.0963E, consisting of the Draft EIR, the Comments and Responses document and Errata Sheet(s), and found that the contents of said report and the procedures through which the Final EIR was prepared, publicized and reviewed complied with the provisions of the California Environmental Quality Act (CEQA), the CEQA Guidelines and Chapter 31 of the San Francisco Administrative Code and found further that the Final EIR reflects the independent judgment and analysis of the City and County of San Francisco, is adequate, accurate and objective, and that the Comments and Responses document contains no significant revisions to the Draft EIR, and certified the completion of said Final EIR in compliance with CEQA and the CEQA Guidelines in its Motion No. 18181; and

WHEREAS, By this resolution, the SFPUC intends to approve the Modified Bridge Design Alternative (analyzed in the Final EIR as Alternative 2 to the proposed project) and, therefore, the Modified Bridge Design Alternative is referred to herein as the Project; and

WHEREAS, The Final EIR identified the Project as the environmentally superior alternative under CEQA; and

WHEREAS, This Commission has reviewed and considered the information contained in the Final EIR, all written and oral information provided by the Planning Department, the public, relevant public agencies, SFPUC and other experts and the administrative files for the Project and the Final EIR; and

WHEREAS, The Project and Final EIR files have been made available for review by the SFPUC and the public in File No. 2005.0963E, at 1650 Mission Street, Fourth Floor, San Francisco, California; and those files are part of the record before this Commission; and

WHEREAS, SFPUC staff prepared proposed findings (CEQA Findings), as required by CEQA, in Attachment A to this Resolution and a proposed Mitigation, Monitoring and Reporting Program (MMRP) in Attachment B to this Resolution, which material was made available to the public and the Commission for the Commission's review, consideration and action; and

WHEREAS, The Project is a capital improvement project approved by this Commission as part of the Water System Improvement Program (WSIP); and

WHEREAS, A Final Programmatic Environmental Impact Report was prepared for the WSIP and certified by the Planning Commission on October 30, 2008, by Motion No. 17734; and

WHEREAS, Thereafter, the SFPUC approved the WSIP and adopted findings and a MMRP as required by CEQA on October 30, 2008, by Resolution No. 08-200; and

WHEREAS, The Project includes work located in the City of Burlingame, City of Daly City, City of San Bruno, City of Millbrae, City of South San Francisco, Town of Hillsborough, and San Mateo County (collectively, Local Agencies); and

WHEREAS, The Project may require that the SFPUC obtain permits, consents, or enter into Memoranda of Agreements (MOAs), or other agreements with or from CalTrans and Local Agencies, or obtain various necessary encroachment permits or other permits for temporary construction activities in public or private land, and these permits and agreements shall be consistent with SFPUC existing fee or easement interests, where applicable; and

WHEREAS, The SFPUC has issued easements, leases, permits, or licenses to certain parties to use for various purposes portions of City-owned property along the SFPUC right-of-way where the Project work will occur, and in some instances other parties hold property rights or interests on lands on, along, over, under, adjacent to or in the vicinity of the right-of-way, and it may be necessary for the General Manager, or his designee, to: (a) exercise rights under any such deed, easement, lease, permit, or license or (b) negotiate and execute new or amended easements, leases, permits, licenses, or encroachment removal or other project related agreements or consents (each, a Use Instrument) with owners or occupiers of property interests or utility facilities or improvements on, along, over, under, adjacent to or in the vicinity of, City property with respect to uses and structures, fences, and other above-ground or subterranean improvements or interests, orchards, trees, or other vegetation, or to implement Project mitigation measures or accommodate Project construction activities and schedule; and

WHEREAS, The SFPUC staff will: (a) in compliance with Government Code Section 7260 et seq. statutory procedures pursue possible acquisition of temporary or permanent easement interests in real property over and upon: (i) Assessor's Parcel No. 135-041-009A owned by the Pacific Gas & Electric Company (PG&E), (ii) Assessor's Parcel No. 038-181-310 owned by the Town of Hillsborough, (iii) Assessor's Parcel No. 038 271 090 owned by Gladys and Thomas Callan, (iv) Assessor's Parcel No. 038 200 020 owned by Christian Deguigne, (v) Assessor's Parcel No. 032 340 290 owned by Lionel Carnot, and (vi) Assessor's Parcel No. 031 213 010 owned by Joe Gardiner; and (b) negotiate for and possibly acquire temporary easement rights over and upon two parcels of real property adjacent to El Camino Real located in, and owned by, the City of Millbrae, for a total amount estimated to not exceed \$250,000; and

WHEREAS, Implementation of the Project will involve consultation with, or required approvals by, state, federal, and local regulatory agencies, including but not limited to the following: U.S. Army Corps of Engineers, U.S. Fish & Wildlife Service, National Marine Fisheries Service, CalTrans, State Historic Preservation Officer, California Department of Fish and Game, San Francisco Regional Water Quality Control Board, Bayshore Sanitary District, California Department of Toxic Substances Control, and Bay Area Air Quality Management District (collectively, Regulatory Agencies); now, therefore, be it

RESOLVED, This Commission has reviewed and considered the Final EIR, finds that the Final EIR is adequate for its use as the decision-making body for the actions taken herein, and hereby adopts the CEQA Findings, including the Statement of Overriding Considerations, attached hereto as Attachment A and incorporated herein as part of this Resolution by this reference thereto, and adopts the MMRP attached to this Resolution as Attachment B and incorporated herein as part of this Resolution by this reference thereto, and authorizes a request to the Board of Supervisors to adopt the same CEQA Findings, Statement of Overriding Considerations and MMRP; and be it

FURTHER RESOLVED, That this Commission hereby approves Project No. CUW37801 Crystal Springs Pipeline No.2 Replacement Project – Modified Bridge Design Alternative, and authorizes SFPUC staff to proceed with actions necessary to implement the Project consistent with this Resolution, including advertising for construction bids, provided, however, that staff will return to seek Commission approval for award of the construction contract(s); and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager, or his designee, to apply for and execute various necessary permits, encroachment permits or other agreements, including MOAs, with CalTrans and Local Agencies, which shall be consistent with SFPUC's existing fee or easement interests, where applicable. To the extent that the terms and conditions of the permits or agreements will require SFPUC to indemnify the respective jurisdictions, those indemnity obligations are subject to review and approval by the San Francisco Risk Manager. The General Manager is authorized to agree to such terms and conditions, including but not limited to those relating to maintenance, repair and relocation of improvements, that are in the public interest, and in the judgment of the General Manager, in consultation with the City Attorney, are reasonable and appropriate for the scope and duration of the requested use as necessary for the Project; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager, or his designee, to exercise any right as necessary under any deed or Use Instrument and negotiate and execute new or amended Use Instruments, if necessary for the Project and subject to any applicable approvals, with owners or occupiers of property interests or utility facilities or improvements on, along, over, under, adjacent to, or in the vicinity of the SFPUC right-of-way, in a form that the General Manager determines is in the public interest and is acceptable, necessary, and advisable to accommodate Project construction activities and schedule, carry out Project-related mitigation measures, and to otherwise effectuate the purposes and intent of this Resolution, in compliance with the Charter and all applicable laws, and in such form approved by the City Attorney; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager, or his designee, to consult with, or apply for, and, if necessary, seek Board of Supervisors' approval, and if approved, to accept and execute permits or required approvals, and to execute such other agreements as may be necessary to implement permit terms and conditions or otherwise comply with the regulatory requirements of the Regulatory Agencies, including terms and conditions that are within the lawful authority of the agency to impose, in the public interest, and, in the judgment of the General Manager, in consultation with the City Attorney, are reasonable and appropriate for the scope and duration of the requested permit or approval, as necessary for the Project; and be it

FURTHER RESOLVED, That this Commission hereby authorizes the General Manager to (a) undertake the process, in compliance with Government Code Section 7260 et seq., the San Francisco Charter, and all applicable laws, for possible acquisition of temporary or permanent easement rights over and upon real property in (i) Assessor's Parcel No. 135-041-009A owned by PG&E, (ii) Assessor's Parcel No. 038-181-310 owned by the Town of Hillsborough, (iii) Assessor's Parcel No. 038 271 090 owned by Gladys and Thomas Callan, (iv) Assessor's Parcel No. 038 200 020 owned by Christian Deguigne, (v) Assessor's Parcel No. 032 340 290 owned by Lionel Carnot, (vi) Assessor's Parcel No. 031 213 010 owned by Joe Gardiner, (b) in compliance with the San Francisco Charter and all applicable laws, negotiate for and possibly acquire temporary easement rights over and upon two parcels of real property adjacent to El Camino Real located in, and owned by, the City of Millbrae; and (c) to work with the Director of Real Estate to accept and execute the real property agreements authorized herein, subject to obtaining Board approval, if required; and be it

FURTHER RESOLVED, The General Manager will confer with the Commission during the negotiation process on real estate agreements and financial assurances, as necessary, and report to the Commission on all agreements submitted to the Board of Supervisors for approval. Notwithstanding the authority granted to the General Manager by this Resolution, the General Manager is not authorized to dispose of any right-of-way or other SFPUC interest in real property, in any manner, including by sale, trade or transfer, without approval by the SFPUC pursuant to Charter Section 8B124; and be it

FURTHER RESOLVED, That this Commission authorizes the General Manager, or his designee, to enter into any subsequent additions, amendments or other modifications to the permits, licenses, encroachment removal agreements, leases, easements, and other Use Instruments, real property agreements, financial assurances, transmission agreements, MOAs or amendments thereto, as described herein, that the General Manager, in consultation with the City Attorney, determines are in the best interests of the SFPUC and the City, do not materially decrease the benefits to the SFPUC or the City, and do not materially increase the obligations or liabilities of the SFPUC or the City, subject to Board of Supervisors' approval, where required, such determination to be conclusively evidenced by the execution and delivery of any such additions, amendments, or other modifications.

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of _____

October 15, 2010

A handwritten signature in black ink, appearing to read "Michael A. Hanks". The signature is written in a cursive style and is positioned above a horizontal line.

Secretary, Public Utilities Commission

San Francisco Public Utilities Commission

CRYSTAL SPRINGS PIPELINE No. 2 REPLACEMENT PROJECT

Draft Environmental Impact Report Volume 1 of 2

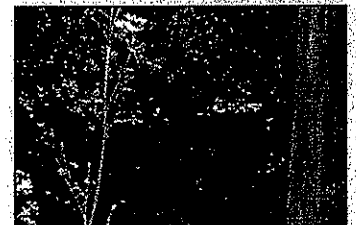
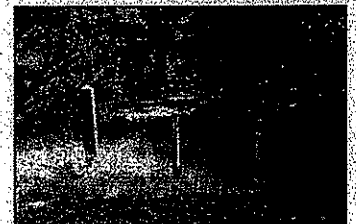
MEA Case No. 2005.0963E
State Clearinghouse No. 2008112050

December 10, 2009

Comments should be sent to:
Environmental Review Officer
San Francisco Planning Department
1650 Mission Street, Suite 400
San Francisco, CA 94103

Important Dates:

Draft EIR Publication Date: December 10, 2009
Draft EIR Public Meeting Date (Hillsborough): January 7, 2010
Draft EIR Public Hearing Date (San Francisco): January 14, 2010
Draft EIR Public Comment Period: December 10, 2009 to January 25, 2010



San Francisco Public Utilities Commission

CRYSTAL SPRINGS PIPELINE No. 2 REPLACEMENT PROJECT

Draft Environmental Impact Report Volume 2 of 2: Appendices

MEA Case No. 2005.0963E
State Clearinghouse No. 2008112050

December 10, 2009

Comments should be sent to:
Environmental Review Officer
San Francisco Planning Department
1650 Mission Street, Suite 400
San Francisco, CA 94103

Important Dates

Draft EIR Publication Date: December 10, 2009
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Draft EIR Public Comment Period: December 10, 2009 to January 25, 2010



San Francisco Public Utilities Commission

CRYSTAL SPRINGS PIPELINE No. 2 REPLACEMENT PROJECT

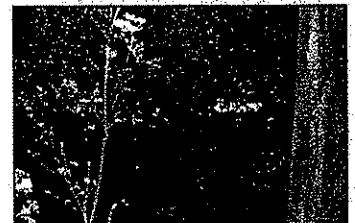
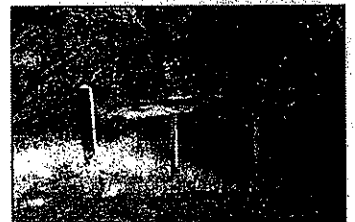
Environmental Impact Report Comments and Responses

MEA Case No. 2005.0963E
State Clearinghouse No. 2008112050

September 8, 2010

Important Dates:

Draft EIR Publication Date: December 10, 2009
Draft EIR Public Meeting Date (Hillsborough): January 7, 2010
Draft EIR Public Hearing Date (San Francisco): January 14, 2010 continued to
January 21, 2010
Draft EIR Public Comment Period: December 10, 2009 to January 25, 2010
EIR Certification Date: September 30, 2010



ATTACHMENT A

Crystal Springs Pipeline No. 2 Replacement Project California Environmental Quality Act Findings: Findings of Fact, Evaluation of Mitigation Measures and Alternatives, and Statement of Overriding Considerations by the San Francisco Public Utilities Commission

In determining to approve the Crystal Springs Pipeline No. 2 (“CSPL2”) Pipeline Replacement Project (“Project”) and adopt the Modified Bridge Design Alternative, described in Section V, below, the San Francisco Public Utilities Commission (“SFPUC” or “Commission”) makes and adopts the following findings of fact and decisions regarding mitigation measures and alternatives, and adopts the statement of overriding considerations, based on substantial evidence in the whole record of this proceeding and under the California Environmental Quality Act (“CEQA”), California Public Resources Code Sections 21000 et seq., particularly Sections 21081 and 21081.5, the Guidelines for Implementation of CEQA (“CEQA Guidelines”), 14 California Code of Regulations Sections 15000 et seq., particularly Sections 15091 through 15093, and Chapter 31 of the San Francisco Administration Code. These findings comprise **Attachment A** to SFPUC Resolution No. 10-0174 (“SFPUC Approval Resolution”), dated May 11, 2010. The SFPUC adopts these findings as part of the SFPUC Approval Resolution and has incorporated these findings therein by reference.

This document is organized as follows:

Section I provides a description of the Project analyzed in the Final EIR, the environmental review process for the Project, the approval actions to be taken, including adoption of the Modified Bridge Design Alternative, and the location of the administrative record;

Section II identifies the impacts found not to be significant that do not require mitigation;

Section III identifies potentially significant impacts that can be avoided or reduced to less-than-significant levels through mitigation and describes the disposition of the mitigation measures;

Section IV identifies significant impacts that cannot be avoided or reduced to less-than-significant levels and describes any applicable mitigation measures as well as the disposition of the mitigation measures;

Section V evaluates the different Project alternatives and explains the basis for adoption of the Modified Bridge Design Alternative, as well as the basis for rejecting the remaining alternatives, or elements thereof; and

Attachment B

CRYSTAL SPRINGS PIPELINE NO. 2 REPLACEMENT PROJECT (MEA CASE NO. 2005.0963E) – MITIGATION MONITORING AND REPORTING PROGRAM

Impact No.	Impact Summary	Mitigation Measure	Location	Monitoring and Reporting Program			Implementation Schedule
				Responsible Party	Reviewing and Approval Party	Monitoring and Reporting Actions	
LAND USE							
LU-1	Temporary disruption or displacement of existing land uses during construction.	Implement Mitigation Measures M-TR-1a (Traffic Control Plan), M-TR-1b (Additional Traffic Control Plan Measures for Site 12 [El Camino Real]), M-NO-1 (Supplemental Noise Controls), M-NO-2 (Supplemental Noise Controls at Schools), M-AQ-1a (Dust Control Measures), and M-AQ-1b (Exhaust Control Measures)	Site 12				
AESTHETICS							
AE-1	Temporary construction-related adverse impacts on scenic vistas or the visual character of a community.	Mitigation Measure M-AE-1: Construction Staging and Cleanup The SFPUC shall locate construction staging areas away from public view where possible and shall locate construction equipment, supplies, materials, and vehicles away from public roadways or adjacent uses. The SFPUC shall require its contractor to maintain construction staging areas in a clean and orderly manner by providing screening fences as needed, removing construction debris promptly at regular intervals, stockpiling materials neatly, and organizing equipment and material storage areas.	Site 12 Staging Areas: S-3, S-4, S-6, S-7, S-8, S-10, S-11, S-12	1) SFPUC EMB 2) CM Team	1) SFPUC BEM 2) SFPUC BEM	1) Ensure that measures applying to construction staging and cleanup are incorporated in contract documents. 2) Monitor to ensure that the contractor implements measures in contract documents, report noncompliance, and ensure corrective action.	1) Design 2) Construction
AE-2	New temporary sources of light and glare.	Mitigation Measure M-AE-2: Site-Specific Construction Lighting Plan The SFPUC shall require the contractor to develop a site-specific construction lighting plan for areas where lighting is proposed that includes locations and methods to minimize light spillover to off-site areas, detailed lighting schedules, areas to be darkened when not in use, and specification for temporary lighting structures and total brightness of structures. The lighting plan shall prohibit exposed bulbs and the contractor shall either shield or direct away from neighboring properties all light fixtures and standards. All new installation fixtures shall have glare control shields. The SFPUC light specialist shall monitor implementation of the light mitigation plan prior to construction and monthly throughout project construction. In addition, the SFPUC shall provide a toll-free number for the public to report problems regarding lighting and other construction-related complaints. SFPUC shall take corrective action in response to complaints regarding misdirected lighting within three business days of the complaint.	Sites 5, 10, and 12 Staging Areas: S-1 – S-12	1) SFPUC EMB 2) CM Team (lighting specialist) 3) CM Team (lighting specialist) 4) SFPUC Communications and CM Team	1) SFPUC BEM 2) SFPUC BEM 3) SFPUC BEM 4) SFPUC BEM	1) Ensure that measures applying to construction lighting, including preparation of lighting plan(s), are incorporated in the contract documents. 2) Review contractor's lighting plan to verify that it complies with requirements. 3) Monitor to ensure that the contractor implements measures in contract documents including implementation of approved lighting plan, report noncompliance, and ensure corrective action. 4) Ensure that complaints are addressed and ensure corrective actions are implemented within three business days.	1) Design 2) Preconstruction and Construction 3) Preconstruction and Construction 4) Construction
AE-3	Permanent adverse impacts on scenic vistas or visual character.	Mitigation Measure M-AE-3a: Tree Avoidance The SFPUC shall minimize or avoid the removal of existing trees (particularly those that screen views of the site or contribute to the visual character) by modifying the proposed alignments of temporary/permanent access roads. The contractor shall consult with a qualified biologist regarding the minimum buffer zones required to prevent root damage and provide necessary maintenance requirements for trees that are proposed to be retained. Mitigation Measure M-AE-3b: Landscaping and Tree Replacement Plan The SFPUC shall prepare and implement a landscaping and tree replacement plan to restore project sites to their pre-construction condition such that short-term construction disturbance does not result in long-term visual impacts. To retain the existing visual character of the site and surrounding area, disturbed areas shall be recontoured and revegetated to preconstruction condition. Landscape vegetation shall include noninvasive, and where possible, native grasses, shrubs, and similar to existing	Sites: 5, 6, and 7 Sites: 5, 6, and 7	1) SFPUC EMB 2) CM Team	1) SFPUC BEM 2) SFPUC BEM	1) During design, minimize or avoid removal of existing trees, particularly those that screen views of the site or contribute to the visual character. Ensure that tree avoidance measures are included in contract documents. 2) Monitor to ensure that contractor implements measures in contract documents. Report noncompliance and ensure corrective action.	1) Design 2) Construction

BAAQMD = Bay Area Air Quality Management District
 CDFG = California Department of Fish and Game
 USFWS = U.S. Fish and Wildlife Service
 SFPUC Crystal Springs Pipeline No. 2 Replacement Project
 SFPUC = San Francisco Public Utilities Commission
 EMB = (SFPUC) Engineering Management Bureau
 BEM = (SFPUC) Bureau of Environmental Management
 CM Team = (SFPUC) Construction Management Bureau and Construction Management
 NRLMD = (SFPUC) Natural Resources and Lands Management Division
 Communications = (SFPUC) Communications Department
 ERO = (SF Planning Department) Environmental Review Officer
 MEA = (SF Planning Department) Major Environmental Analysis Division