



Secondary	Other	0	public safety expenses. Flood events require public works crews and public safety employees to be dispatched in response to necessary aid. By installing the sheet pile floodwalls and upsizing the 5th Avenue Pump Station, the frequency of flooding events will be reduced, thus avoiding debris cleanup and public safety expenses. These project benefits have been quantified and monetized for purposes of this grant proposal, but could not be calculated in terms of acres.
Secondary	Water and Sediment Quality-Other	0	This project will limit the potential inflow and infiltration of stormwater into the sanitary sewer system by reducing flooding, thus reducing inflow, and reducing the saturation of the ground, thus reducing infiltration. By installing a floodwall on the city side of the Bayfront Canal and portions of the Atherton Channel, the project will allow for increase in tidal flow between the canal and the adjoining Flood Slough. Increased tidal flow would allow for deposition of sediment into the canal (which has an earthen bottom) and reduce the anticipated sediment loading to the Flood Slough that ultimately feeds to the San Francisco Bay. These project benefits were assessed qualitatively for purposes of this grant proposal.

**Budget**

Other Contribution	0
Local Contribution	8000000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	8000000
Total Project Cost	16000000

**Geographic Information**

Latitude DD(+/-)	37	MM 29	SS 19
Longitude DD(+/-)	122	MM 11	SS 32
Longitude/Latitude Clarification	Location		City of Redwood City

County	San Mateo
Ground Water Basin	Santa Clara Vall-San Mateo Plain
Hydrologic Region	San Francisco Bay
WaterShed	San Mateo Bayside Watershed, Sub: Atherton

**Legislative Information**

Assembly District	21st Assembly District
Senate District	11th Senate District
US Congressional District	District 12 (CA),District 14 (CA)

**Section : Applicant Information Question Tab**

APPLICANT INFORMATION QUESTION TAB

**Q1. PROPOSAL DESCRIPTION**

Provide a brief abstract of the Proposal, including a listing of individual project titles or types.

The Bayfront Regional Flood Protection System Improvements and 5th Avenue Pump Station Renovation project is proposed by the City of Redwood City (City). The proposed project will eliminate frequent flooding in the low end of the drainage basin and reduce flood damage costs to the region. The project will consist of two components: 1) upsizing the 5th avenue pump station and 2) construction of sheet pile floodwalls along the lower elevations of the Bayfront Canal and a portion of the Atherton Channel. The proposed project improvements include: flood prevention in the low end drainage basin, reduced flood damage costs, improving Bay water quality through the reduction of SSO due to stormwater inflow, strengthening stormwater facilities to address seismic concerns, addressing climate change impacts, and protecting public health and safety.

**Q2. PROJECT DIRECTOR**

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Grace Le Senior Civil Engineer Building Infrastructure and Transportation Department 1017 Middlefield Road Redwood, CA 94063 GLe@redwoodcity.org

**Q3. PROJECT  
MANAGEMENT**

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Grace Le Senior Civil Engineer Building Infrastructure and Transportation Department 1017 Middlefield Road Redwood, CA 94063 GLe@redwoodcity.org

**Q4. APPLICANT  
INFORMATION**

Provide the agency name, address, city, state, and zip code of the applicant submitting the application. Also provide the name and contact information of the person filling out the online application.

Agency Name: City of Redwood City Address: 1017 Middlefield Road City: Redwood State: California Zip: 94063

**Q5. ADDITIONAL  
INFORMATION**

Provide the funding area(s) in which projects are located.

[http://www.water.ca.gov/irwm/integregio\\_fundingarea.cfm](http://www.water.ca.gov/irwm/integregio_fundingarea.cfm)

Funding Area: San Francisco Bay Area.

**Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD  
(S)**

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

[http://www.waterboards.ca.gov/waterboards\\_map.shtml](http://www.waterboards.ca.gov/waterboards_map.shtml)

San Francisco Bay RWQCB

**Q7.  
ELIGIBILITY**

Is the application from an IRWM planning region approved in the RAP (See Section II B, Table 1)? If yes, include the name of the IRWM planning region. If not, explain.

Yes- San Francisco Bay Area.

**Q8.  
ELIGIBILITY**

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

Yes.

**Q9.  
ELIGIBILITY**

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q10 and Q11.

Urban Water Supplier: City of Redwood City (self certification forms are in Attachment 12)

**Q10.  
ELIGIBILITY**

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q9, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

Yes, all Urban water suppliers, listed in Question 9 above have submitted complete 2005 Urban Water Management Plans (UWMPs), to DWR. Yes that plan has been verified as complete by DWR. Yes, all of the urban water suppliers listed in Question 9, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, will submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement.

**Q11.  
ELIGIBILITY**

Have any urban water suppliers listed in Q9 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIB of the Guidelines for additional information.

No urban water suppliers listed in Question 9 have recently submitted AB1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months. Yes, the urban water supplier has submitted AB1420 compliance documentation.

**Q12.  
ELIGIBILITY**

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project (s) and list the agency(ies) that will implement the project(s).

No.

**Q13.  
ELIGIBILITY**

For the agency(ies) listed in Q12, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

Not Applicable.

**Q14:  
ELIGIBILITY**

Does the applicant have a Stormwater Resources Plan developed pursuant to Part 2.3 (commencing with Section 10560) of Division 6 of the Water Code, or an IRWM Plan that includes the Stormwater Resources Plan requirements specified in Section 10562 of the Water Code? Please answer yes or no. If yes, please answer Question 15 or 16, as applicable.

- a) Yes
- b) No

**Q15:  
ELIGIBILITY**

For applicants with a Stormwater Resources Plan, does that Plan meet the standards set forth in Part 2.3 of Division 6 of the CWC? If yes, provide attachment 13.

- a) Yes
- b) No

**Q16:  
ELIGIBILITY**

For applicants with an IRWM Plan, does that Plan include the Stormwater Resources Plan requirements specified in Section 10562 of the CWC? If yes, provide attachment 13.

- a) Yes
- b) No

**NOTES TO BMS  
ADMINISTRATOR**

Provide notes about any potential problems you may have had with BMS that are particular to your application.

**Section : Application Attachments Tab**

APPLICATION ATTACHMENTS TAB

**ATTACHMENT 1: AUTHORIZATION AND ELIGIBILITY  
REQUIREMENTS**

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).  
Last Uploaded Attachments: Att1\_SWF\_Eligible\_1of1.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here. Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

**ATTACHMENT 2: ADOPTED PLAN AND PROOF OF FORMAL  
ADOPTION**

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).  
Last Uploaded Attachments: Att2\_SWF\_Adopt\_1of1.pdf

Upload additional Proof of Formal Adoption documentation here. Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here. Upload additional Proof of Formal Adoption documentation here.

**ATTACHMENT  
3: WORK PLAN**

Upload the Work Plan here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).  
Last Uploaded Attachments: Att3\_SWF\_WorkPlan\_1of1.pdf

Upload additional work plan components here.

Upload additional work plan components here. Upload additional work plan components here.

Upload additional work plan components here.

**ATTACHMENT 4:  
BUDGET**

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Upload the Budget here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).  
Last Uploaded Attachments: Att4\_SWF\_Budget\_1of1.pdf

Upload additional budget components here.

**ATTACHMENT 5:  
SCHEDULE**

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Upload the Schedule here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).  
Last Uploaded Attachments: Att5\_SWF\_Schedule\_1of1.pdf

Upload additional schedule components here.

**ATTACHMENT 6: MONITORING, ASSESSMENT, AND PERFORMANCE  
MEASURES**

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Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).  
Last Uploaded Attachments: Att6\_SWF\_Measures\_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

**ATTACHMENT 7: ECONOMIC ANALYSIS - FLOOD DAMAGE REDUCTION COSTS AND  
BENEFITS**

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Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).  
Last Uploaded Attachments: Att7\_SWF\_DReduc\_1of1.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

**ATTACHMENT 8: ECONOMIC ANALYSIS - WATER SUPPLY COSTS AND  
BENEFITS**

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Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).  
Last Uploaded Attachments: Att8\_SWF\_WSBen\_1of1.pdf

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

**Section : Application Attachments Tab (cont)****APPLICATION ATTACHMENTS TAB (CONT)****ATTACHMENT 9: WATER QUALITY AND OTHER EXPECTED  
BENEFITS**

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Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).  
Last Uploaded Attachments: Att9\_SWF\_WQOtherBen\_1of1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

#### **ATTACHMENT 10: COSTS AND BENEFITS SUMMARY**

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Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att10\_SWF\_CBSummary\_1of1.pdf

Upload additional Costs and Benefits Summary documentation here.

#### **ATTACHMENT 11: PROGRAM PREFERENCES**

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Upload Program Preference documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att11\_SWF\_Preference\_1of1.pdf

Upload additional Program Preference documentation here.

#### **ATTACHMENT 12: AB1420 AND WATER METER COMPLIANCE INFORMATION**

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Upload AB1420 and Water Meter Compliance Information here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att12\_SWF\_1of1.pdf

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

Upload additional AB1420 and Water Meter Compliance documentation here.

#### **ATTACHMENT 13: STORMWATER RESOURCES PLAN**

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This attachment is only necessary if the applicant has an existing Stormwater Resources Plan, pursuant (commencing with Section 10560) of Division 6 of the Water Code and answered "yes" to Q15 or Q16.

The summary text must be no more than 5 pages in length using a minimum of 10-point type font. Excerpts from the Plan must not exceed 15 pages.

Attachment 13 must provide the following:

Identify and include portions of the applicable Plan that demonstrate all of the standards of Part 2.3 (commencing with Section 10560) of Division 6 of the CWC.

Last Uploaded Attachments: Att13\_SWF\_Storm\_1of1.pdf

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.