

### Proposal Full View

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#### Applicant Information

Organization Name City of Ontario \*

Tax ID 956000754

Proposal Name New Model Colony Storm Drain \*

#### Proposal Objective

The New Model Colony Storm Drain Project is a part of a long term planned solution to a regional storm water flood risk condition in an unimproved agricultural preserve in the City of Ontario's New Model Colony (NMC). Stormwater conveyance is critical to the overall regional improvement of storm drain risk management. The Project provides for efficient flow conveyance to flood control facilities as part of a water quality treatment train in the Prado Basin. The Project addresses the flood risks and impacts for the eastern portion of NMC at the connections of sub-watersheds to Cucamonga Creek and the County Line Channel, which are currently subject to high levels of flooding, significant water quality impacts from local runoff, and high erosion to the Prado Basin. The Project provides regional benefits and supports the Santa Ana Watershed Project Authority's "One Water One Watershed" IRWM, as well as the Statewide Priorities, through (1) improving the region's flood protection by addressing storm water flood risk at major and regional arterials, (2) providing sustainable flood water management systems through the construction of improved storm water conveyance systems, (3) improving emergency preparedness and response through the management of storm water, (4) improving water quality in the Prado Basin through conveyance of storm waters to the Mill Creek Wetlands as part of a regional Prado Basin treatment train, and (5) reducing erosion and sediment transport to Cucamonga Creek and County Line Channel. Regional project stakeholders and supporting agencies include City of Ontario Planning, Engineering, Public Works, Police & Fire Departments; San Bernardino Flood Control District; San Bernardino County Parks Department; Santa Ana Regional Water Quality Control Board; Orange County Water District; Inland Empire Utility Agency; City of Chino; US Fish & Game; CA Fish & Wildlife; and the US Army Corps of Engineers. \*

#### Budget

Other Contribution	\$0.00
Local Contribution	\$6,800,000.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested	\$6,800,000.00 *
Total Project Cost	\$13,600,000.00 *

#### Geographic Information

Latitude \* DD(+/-) 33 MM 59 SS 51

Longitude \* DD(+/-) 117 MM 35 SS 1

Longitude/Latitude Clarification Long/Lat provided is approximate center point of Project. Project area is Archibald Ave. from Riverside to City Line, Haven from Riverside to City Line, and Edison approximately 1/2 mile either side of Archibald. Location Ontario, CA

County San Bernardino \*

Ground Water Basin Upper Santa Ana Valley-Chino

Hydrologic Region South Coast

Watershed Santa Ana Watershed

#### Legislative Information

Assembly District 61st Assembly District \*

Senate District 18th Senate District \*

US Congressional District District 43 (CA) \*

#### Project Information

##### Project Benefits Information

Project Name New Model Colony Storm Drain Project

Project Benefit Type	Benefit Type	Measurement	Description
			Completion of this Project would address

Primary	Flood Protection	1500	storm water flood risk to the NMC along two major north/south master planned streets and one east/west master planned street. Currently, these streets do not have any storm drains or storm water management systems in place.
Secondary	Conveyance-Other	0	Sustainable Flood Water Management Systems - The City is planning for a long-term sustainable system that will have a life span of 50+ years. Through roadway and storm drain improvements, the roadways will require less short and long term maintenance, as well as result in a reduction in the frequency of potential road washout.
Tertiary	Emergency Response	0	Archibald and Haven Avenues provide north south traffic circulation in the area and are highly utilized by commuter and truck traffic as well as emergency response vehicles. The current flooding conditions in this area result in road closures and detours around these major north south arterials and have caused significant long-term damage to the major arterials. Due to the lack of any storm water conveyance system, the roads experience significant ongoing erosion issues, which affect the flow of traffic and, more importantly, the ability for emergency response vehicles to reach their destination in the most efficient and timely manner that could otherwise be achieved. By constructing this storm water conveyance system on Archibald, Haven and Edison Avenues, these most problematic and highly utilized north south roadways will be improved, therefore, reducing the annual road closure incidents and maintaining better road conditions with less maintenance.
Quaternary	Water and Sediment Quality-Other	0	The New Model Colony Storm Drain Project (Project), through the construction of the Archibald, Haven, and Edison Avenues storm drain, provides water quality treatment and a more direct transfer of water into the Prado Basin. These two conditions provide a significant benefit to downstream water supply and water users, such as Orange County Water District (OCWD), who utilize water stored within Prado Basin as a source of groundwater replenishment. By reducing treatment requirements and costs (e.g. source protection); the Project offsets a portion of the total pollutant removal that is required by downstream water users; freeing up treatment capacity of downstream water quality systems. As well, by providing additional flows to the Prado Basin and reducing the evapo-transpirational losses that currently occur (Chino Basin Watermaster, 2010 Recharge Master Plan Update, Wildermuth); the Project provides increased water resources that can be utilized by downstream water agencies for groundwater recharge. While these contributions may not singly mitigate the need for downstream capital projects, Project elements provide quantifiable water supply benefits to 100,000 Orange County and downstream users.

**Budget**

Other Contribution	0
Local Contribution	6800000
Federal Contribution	0
Inkind Contribution	0
Amount Requested	6800000
Total Project Cost	13600000

**Geographic Information**

Latitude DD(+/-)	33	MM 59	SS 51
Longitude DD(+/-)	117	MM 35	SS 1
Longitude/Latitude Clarification	Long/Lat provided is ap	Location	Ontario, CA
County	San Bernardino		
Ground Water Basin	Upper Santa Ana Valley-Chino		
Hydrologic Region	South Coast		
WaterShed	Santa Ana Watershed		

**Legislative Information**

Assembly District	61st Assembly District
Senate District	18th Senate District
US Congressional District	District 43 (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 Project is a part of a master planned solution to a regional storm water flood risk condition in an unimproved agricultural preserve in the City of Ontario New Model Colony (NMC). This annexation to the City of Ontario experiences significant flooding during frequent storm events resulting in road closures, impacts to regional circulation, loss and damage to private property, and significant challenges to provide emergency access. The Project addresses the flood risks and impacts for a portion of the NMC at the connections of sub-watersheds to Cucamonga Creek and the County Line Channel currently subject to high levels of flooding, significant water quality impacts from local runoff, and high erosion to the Prado Basin.

**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.

Louis Abi-Younes, City of Ontario City Engineer, 303 East ???B??? Street, Ontario, CA 91764, 909-395-2025, labi-younes@ci.ontario.ca.us

**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.

Raymond Lee, 303 East ???B??? Street, Ontario, CA 91764, 909-395-2025, rlee@ci.ontario.ca.us

**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.

Applicant: City of Ontario, 303 East ???B??? Street, Ontario, CA 91764, 909-395-2025 Person Submitting Online Application: Christina Leach, Terra Consulting Group, 5753G E. Santa Ana Cyn Rd., #332, Anaheim Hills, CA 92807, 714-321-1402

**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)

Santa Ana Funding 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)

Santa Ana Regional Water Quality Control Board

**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. Santa Ana Watershed Project Authority.

**Q8. ELIGIBILITY**

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

Yes, the applicant is the City of Ontario, California, a local agency.

**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.

The City of Ontario is an urban water supplier and the applicant for grant funding. AB1420 certification has been previously submitted to the DWR.

**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. Please see attached.

**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 IIIB of the Guidelines for additional information.

Yes. The City of Ontario submitted AB1420 compliance tables and supporting documentation for the Proposition 84 Implementation Grant Application, Round 1, submitted January, 2010.

**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?

N/A

**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\_1of3.docx

Upload additional Authorization and Eligibility documentation here.  
 Last Uploaded Attachments: Att1\_SWF\_Eligible\_2of3.pdf

Upload additional Authorization and Eligibility documentation here. Upload additional Authorization and Eligibility documentation here.  
 Last Uploaded Attachments: Att1\_SWF\_Eligible\_3of3.pdf

Upload additional Authorization and Eligibility documentation here.

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

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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**

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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\_1of5.doc

Upload additional work plan components here.  
 Last Uploaded Attachments: Att3\_SWF\_WorkPlan\_2of5.pdf

Upload additional work plan components here. Upload additional work plan components here.  
 Last Uploaded Attachments: Att3\_SWF\_WorkPlan\_3of5.docx Last Uploaded Attachments: Att3\_SWF\_WorkPlan\_4of5.pdf

Upload additional work plan components here.  
 Last Uploaded Attachments: Att3\_SWF\_WorkPlan\_5of5.docx

**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\_1of3.xlsx

Upload additional budget components here. Upload additional budget components here.  
 Last Uploaded Attachments: Att4\_SWF\_Budget\_2of3.xlsx Last Uploaded Attachments: Att4\_SWF\_Budget\_3of3.doc

Upload additional budget components here. 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\_1of2.pdf

Upload additional schedule components here.  
 Last Uploaded Attachments: Att5\_SWF\_Schedule\_2of2.mpp

Upload additional schedule components here. Upload additional schedule components here.

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\_1of2.docx

Upload additional Monitoring, Assessment, and Performance Measures here. Upload additional Monitoring, Assessment, and Performance Measures here.  
 Last Uploaded Attachments: Att6\_SWF\_Measures\_2of2.xlsx

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

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

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\_1of2.xlsx

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

Last Uploaded Attachments: Att7\_SWF\_DReduc\_2of2.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.

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

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.docx

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**

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\_1of2.xlsx

Upload additional Water Quality and Other Expected Benefits documentation here.

Last Uploaded Attachments: Att9\_SWF\_WQOtherBen\_2of2.docx

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**

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.xlsx

Upload additional Costs and Benefits Summary documentation here.

**ATTACHMENT 11: PROGRAM PREFERENCES**

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.docx

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\_AB1420\_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.

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.

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