



THE CITY OF SAN DIEGO
REPORT TO THE CITY COUNCIL

DATE ISSUED: August 28, 2012

REPORT NO: 12-076

ATTENTION: Council President and City Council

SUBJECT: Proposition 84 Storm Water Grant applications and appropriations and expenditures

REFERENCE: None

REQUESTED ACTION:

1. The Mayor or his representative is authorized to make application to the State Water Resources Control Board and to take all necessary actions to secure funding for an amount not to exceed \$6,511,254 in Grant Fund-State for the purpose of funding Storm Water Pollution Prevention Capital Projects and Studies; and
2. The Chief Financial Officer is authorized to accept, appropriate and expend an amount not to exceed \$6,511,254 if the grant funding is secured; and
3. The Chief Financial Officer is authorized to establish a special interest-bearing account for the grant, if required; and
4. The Chief Financial Officer is authorized to increase the Capital Improvements Program Budget in CIP A-CC.00001, Watershed CIP, (B-10029, Southcrest Park Urban Runoff Infiltration for Chollas Creek Project, \$2,880,070; and B-12040, Maple Canyon Restoration Phase 1 Project, \$2,426,884), and to appropriate and expend an amount not to exceed \$5,306,954, Prop 84 Storm Water Grant, for the purpose of implementing low impact development (LID) type urban runoff reduction and project related expenses, contingent upon the receipt of a fully executed grant agreement; and
5. The Chief Financial Officer is authorized to appropriate and expend up to \$689,300 of Grant funds in Transportation & Storm Water Department, Fund: 600001, Grant Fund-State, for the purposes of funding a LID Proof of Concept at 43rd Street and Logan Ave Study, contingent upon receipt of a fully executed grant agreement, and contingent upon the Chief Financial Officer furnishing a certificate certifying that funds necessary for expenditure are, or will be on deposit with the City Treasurer.
6. The Chief Financial Officer is authorized to appropriate and expend up to \$515,000 of Grant funds in Transportation & Storm Water Department, Fund: 600001, Grant Fund-State, for the purposes of funding a Hydromodification Control Approaches through Focused Field Data Acquisition Study, contingent upon receipt of a fully executed grant agreement, and contingent upon

the Chief Financial Officer furnishing a certificate certifying that funds necessary for expenditure are, or will be on deposit with the City Treasurer.

STAFF RECOMMENDATION:

Approve the Requested Actions

SUMMARY:

Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006, was approved by California voters in the general election on November 7, 2006. Proposition 84 provides the State Water Resources Control Board (SWRCB) \$82 million for matching funds in the Storm Water Grant Program (SWGP) to grant local public agencies to support projects that reduce and prevent storm water contamination of rivers, lakes, and streams. In addition, Proposition 84 allows up to 10 percent of funds allocated to the SWRCB to be used to finance planning and monitoring necessary for the successful design, selection, and implementation of storm water projects. Grant funded projects must either implement Low Impact Development (LID) strategies, or assist with compliance of established Total Maximum Daily Load (TMDL) orders within the State. The SWRCB staff plans to distribute SWGP funding through at least two rounds of funding, with up to \$45 million available in Round 1, and the remaining funding available in Round 2. Concept proposals for these projects are due on June 27, 2012 via electronic submittal. Proposals selected through this process will require submittal of all applications, and project submittals on September 23, 2012.

The SWGP is divided into two categories of projects, described below:

1. Projects implementing LID and other onsite and regional storm water best management practices (BMP's), on public and private lands, that seek to maintain predevelopment hydrology for existing and new development and redevelopment projects. These projects are to be designed to infiltrate, filter, store, evaporate, or retain runoff in close proximity to the source of water; and/or project which support compliance with TMDL requirements established pursuant to section 303(d) of the Clean Water Act where pollutant loads have been allocated to certain receiving water bodies. There is a 20% non State matching funds requirement for grant projects within this category.
2. Planning and Monitoring Projects that are beneficial to the SWGP of regional and/or statewide significance, and necessary planning and monitoring activities for the successful design, selection, and implementation of future SWGP projects. There is a 10% non-State matching funds requirement for grant projects within this category.

The Storm Water Division has prepared grant applications for four projects for funding in this grant program. These are as follows:

Category 1. Implementation Projects

- a) **Southcrest Park Urban Runoff Infiltration for Chollas Creek Project.**

Grant Request: \$2,880,070

Local Match: \$ 576,014

This project includes storm water best management practices (BMPs) designed to capture and infiltrate urban runoff from multiple pervious parking surfaces. The low impact development (LID)-type BMPs in this project will utilize hydrodynamic separators (below grade storage and infiltration devices) and pervious pavement to reduce flows and remove and treat runoff. These capture the first one-quarter inch of precipitation for each storm event which transports the highest levels of pollutants.

Maple Canyon Restoration Phase 1 Project.

Grant Request: \$2,426,884 Local Match: \$ 703,819

Maple Canyon is currently subject to erosion due to high volumes of storm water runoff from the highly urbanized surrounding neighborhoods and inadequate storm drain outfalls. This project proposes to implement a pilot to include several integrated measures to address erosion, restore the impacted canyon habitat, and treat urban storm water runoff to reduce sediment and other pollutants discharged to San Diego Bay. The proposed project includes low impact development features at the canyon rim to reduce runoff, the extension of existing storm drain outlets to the bottom of the canyon, and a natural treatment system adjacent to the creek. Restoration of native vegetation to stabilize canyon slopes and slow the runoff from canyon walls will be incorporated in the improvements.

Category 2. Planning and Monitoring Projects

b) LID for Urban Streets: Test of Concept at 43rd Street & Logan Ave.

Grant Request: \$689,300

Local Match: \$ 88,000

This study will examine the effectiveness and practicality of LID BMPs that are currently under construction near the intersection of 43rd Street and Logan Avenue in Southeast San Diego. The study will include monitoring over a two year period, with measurements of flow and water chemistry. The study will assess the feasibility of using this approach to address two broad challenges: the multiple water quality issues for Chollas Creek, and the implementation of LID in urban streets. The findings and design-specific recommendations generated by this study will be publically available through workshops and web distribution so that it will benefit others tackling similar challenges in other municipalities and other watersheds.

c) Hydromodification Control Approaches through Focused Field Data Acquisition Study.

Grant Request: \$515,000

Local Match: \$60,000

This Study will use the information gathered from field data collection to refine the model used to assess the degree and impact of the increase of impervious areas within the region due to urbanization and development. The proposed project will evaluate the effectiveness of a variety

of practices, including implementation of flow control BMPs and in-stream management practices, in preventing impacts to beneficial uses of local streams, bays and other water bodies.

FISCAL CONSIDERATIONS:

Accepting all of the funds requested in these grants will result in total revenues of \$6,511,254, of which \$5,306,954 will reimburse expenses in the Transportation & Storm Water Department's Watershed Capital Improvement Program Fund.

The Prop 84 SWGP has a non State (local) matching funds requirement of 20% for Implementation Projects and 10% for Study and Monitoring Projects. Because this grant allows for match costs to be accrued from February 17, 2009, a significant amount of the match funds have already been expended.

The following is the fiscal impacts of the four proposed projects:

- a. Southcrest Park Urban Runoff Infiltration for Chollas Creek Project:** This grant will result in revenue of \$2,880,070 to CIP B-10029. The local funds matching requirement for this project proposal is \$576,014. Of this amount \$307,142 has been already expended in CIP B-10029 for project design, and the remaining \$268,872 is available CIP B-10029.
- b. Maple Canyon Restoration Phase 1 Project:** This grant will result in revenue of \$2,426,884 to CIP B-12040. The local matching requirement of this project proposal is \$703,819. Of this amount \$240,000 has been previously expended for studies and concept design in FY09 and FY10 Storm Water Department General Fund Budgets. The remaining \$463,819 is available in CIP B-12040.
- c. LID for Urban Streets: Test of Concept at 43rd Street & Logan Ave:** This grant will result in revenue of \$689,300 to the General Fund. The local matching funds requirement for this project is \$88,000 has already been expended from the Transportation & Storm Water Department FY 10, FY11 and FY 12 Operating Budgets.
- d. Hydromodification Control Approaches through Focused Field Data Acquisition Study:** This grant will result in revenue of \$515,000 to the General Fund. The local matching funds requirement of \$60,000 has been identified in the Transportation & Storm Water Department proposed FY13 Operating Budget.

PREVIOUS COUNCIL and/or COMMITTEE ACTION:

None.

COMMUNITY PARTICIPATION AND PUBLIC OUTREACH EFFORTS:

The Transportation & Storm Water Department is engaged in multiple outreach efforts in the Chollas Communities served by 43rd and Logan, Southcrest Park, and various Communities

surrounding Maple Canyon Projects in Mid-City. The Department has and will continue to engage community organization stakeholders throughout the planning and design of this project, including participating in community or planning meetings, engaging local nonprofit organization active in those communities, and where possible incorporating and leveraging their contributions into the scope of work of the grant projects. In addition, the Department has distributed printed material and posted regular project updates on the City's websites for the Southcrest Park and 43rd and Logan Ave. projects. The outreach effort for the Maple Canyon Project in Midtown is just beginning and the Department will provide community members and other stakeholders with regular information updates as the project reaches final design and construction.

Outreach efforts for the Hydromodification and 43rd Street and LID for Urban Streets projects will include technical workshops with stakeholders, subject matter experts from interested nongovernmental organizations, and designers from local firms and municipalities for input and to disseminate the study findings.

KEY STAKEHOLDERS AND PROJECTED IMPACTS:

Key project stakeholders are San Diego Canyonlands, San Diego Coastkeeper and Groundwork San Diego Chollas Creek, local engineering design firms, and the other local jurisdictions subject to the Municipal Storm Water Permit.

There are no projected impacts associated with the acceptance; appropriation and expenditure of these grant funds. Approval of plans and specifications, authorization to advertize and award of the construction phase of the City's projects, as well as certification of environmental documents, if any, shall be heard at Council at a future date.

Garth K. Sturdevan
Director
Transportation and Storm Water Department

Jay Goldstone
Chief Operating Officer

Attachment: 1. Proposition 84 Storm Water Grant Program Guidelines