Environment Committee

Meeting date: June 14, 2016

For the Metropolitan Council meeting of June 22, 2016

Subject: 2016 Targeted Stormwater Grants

District(s), Member(s): All

Policy/Legal Reference: Water Resources Policy Plan, Minnesota Statute 471.59 (Joint Exercise of Powers) and 473.505 (Total Watershed Management)

Staff Prepared/Presented: Judy Sventek, 651-6025-1156; Joe Mulcahy, 651-602-1104

Division/Department: MCES c/o Leisa Thompson, 651-602-8101

Proposed Action

That the Metropolitan Council authorize its Regional Administrator to award and execute the stormwater management grants described in Attachment A in the total amount of $1 million.

If detailed project budgets vary from preliminary amounts resulting in unallocated funds, staff may re-allocate those funds among recommended proposals or high ranking un-funded proposals. If unallocated funds exceed $50,000, staff will bring proposed reallocations back for Council action.

Background

Research and monitoring has shown that nonpoint source pollution is having a detrimental effect on the water quality of lakes, streams, and rivers in the Twin Cities Metropolitan Area. Nonpoint source pollution is polluted stormwater runoff from agricultural and urban land that enters wetlands, lakes, streams, and rivers without treatment. The grant applications recommended for funding are for highly visible, innovative projects that can be replicated throughout the metro region.

Rationale

These projects support the Thrive MSP 2040 stewardship and sustainability outcomes and the water sustainability goal of the Water Resources Policy Plan. The proposed action requires Council approval.

Funding

Funding is budgeted in the 2016 operating budget from the Council's General Fund.

Known Support / Opposition

No known opposition.

METROPOLITAN COUNCIL

RECOMMENDED APPLICATIONS

1. Chanhassen High School Stormwater Capture and Reuse – RPBCWD -$200,000 – **Recommended funding $200,000**

Project would install a treatment system to use stormwater from an existing treatment pond to irrigate up to 51% of playing fields and green space at a high school. 1.93 million gal/year.

2. Fire Station #2 Water Harvesting and Reuse – RPBCWD -$99,287 – **Recommended funding $99,287**

Project would retrofit a city fire station to collect and treat rainwater for irrigation, truck washing, and fire truck tanker filling. 41k gal/year.

3. Water's Edge Stormwater Reuse Project – Rice Creek WD -$200,000 – **Recommended funding $200,000**

Project would connect existing irrigation system at 378 unit townhome community to stormwater pond to decrease groundwater demand.

4. Northside Neighborhood Engagement & Opportunities – Bassett Creek WMC -$200,000 **– Recommended funding $100,000**

Project would employ disadvantaged youth and adults to construct raingardens on private property in the Harrison neighborhood of North Minneapolis.

5. Westminster Church Stormwater Management & Reuse -Mississippi WMO -$200,000 – **Recommended funding $100,000**

Project would help fund a rain water reuse system use within building, irrigation, and demonstration fountain fronting Nicollet Mall in downtown Minneapolis.

6. Snelling Midway Soccer Redevelopment – Capital Region WD -$200,000 – **Recommended funding $200,000**

Request is for green infrastructure elements that go beyond stormwater management requirements on a brownfield redevelopment site.

7. Living Greens Farm – Mississippi WMO -$200,000 – **Recommended funding $100,000**

Project would help fund rainwater reuse system for irrigation at an aeroponic urban agriculture business to be located in a renovated building in Minneapolis.

ALL 2016 STORMWATER GRANT APPLICATIONS RECEIVED

Dickman Industrial Park -Inver Grove Heights –Lower Mississippi River WMO -$86,250
Project would construct a wet extended detention pond to treat runoff from a 12 acre industrial park site.TP: 8 #/yr. TSS: 4,100 #/yr.

60th and Babcock Stormwater Improvements- Inver Grove Heights -Lower Mississippi River WMO -$200,000
Project would construct one sediment pond within a park and three raingardens in street ROW to treat 3.05 acres.

78th and Concord Extended Wet Detention Basin- Inver Grove Heights -Lower Mississippi River WMO -$50,850
Project would construct a wet extended detention pond with iron enhanced filter to treat runoff from a 25 acres of upland. TP: 9.4 #/yr.; TSS: 3,400 #/yr.

Northside Neighborhood Engagement & Opportunities -Bassett Creek WMC -$200,000
Project would employ disadvantaged youth and adults to construct raingardens on private property in the Harrison neighborhood of North Minneapolis.

Greenfield Central Park Pond Project -Pioneer-Sarah WMC -$41,136
Project would construct stormwater pond and swale to treat runoff from a city park that drains to a farm field and then to a creek and eventually Lake Sarah.

Westminster Church Stormwater Management & Reuse -Mississippi WMO -$200,000
Project would help fund a rain water reuse system use within building, irrigation, and demonstration fountain fronting Nicollet Mall in downtown Minneapolis.

Living Greens Farm -Mississippi WMO -$200,000
Project would help fund rainwater reuse system for irrigation at an aeroponic urban agriculture business to be located in a renovated building in Minneapolis.

Lilydale Stormwater Improvement Project -Lower Mississippi River WMO -$9,000
Project is to buy and install a SAFL baffle in a storm sewer manhole to remove sediment, along with installation of an educational sign.

Silver Lake Boat Landing Pond Reconstruction - Columbia Heights -Rice Creek WD -$200,000
Project would redesign/reconstruct an existing stormwater treatment pond to enhance phosphorus removal and improve Silver Lake.

Fridley Civic Center Complex -Rice Creek WD -$200,000
Project would help fund construction of a stormwater pond feature to treat runoff from an 11 acre redevelopment site in Fridley.

Water’s Edge Stormwater Reuse Project -Rice Creek WD -$200,000
Project would connect existing irrigation system at 378 unit townhome community to stormwater pond to decrease groundwater demand.

New Brighton Exchange Park Stormwater Reuse -Rice Creek WD -$200,000
Project would use water from a stormwater pond serving a proposed 14 acre residential development to irrigate a softball field and lacrosse/soccer field in a brownfield redevelopment area.

Rosemount Master Irrigation Control System -Vermillion River JPO -$25,764

Project would install a city-wide master irrigation control system for approximately 90 acres of city property that are irrigated with ground water.

Rosemount Splash Pad Recirculation/Reuse -Vermillion River JPO -$125,000
Project would retrofit a splash pad in Rosemount's Central Park to recirculate water for an estimated 97% reduction in potable water use by the splash pad.

Dakota County Western Service Center BMP Demonstration Project -Vermillion River JPO -$90,000
Project would retrofit an existing "reflecting" pond at the entrance to the Dakota County Western Service center in Apple Valley to better treat stormwater.

Hayes Field Park Stormwater Retrofit-Apple Valley -Vermillion River JPO -$120,135
Project would retrofit a park complex in Apple Valley with three bioretention basins to remove phosphorus and sediment from stormwater before it makes its way to East Lake in the city of Lakeville.

Small Space Stormwater Retrofits for the Rum and Mississippi Rivers -Lower Rum River WMO -$100,000
Project would install up to 8 retrofit stormwater treatment practices such as filtration, iron enhanced media, curb cut rain gardens, bio swales, and/or others in the cities of Anoka and Ramsey.

Streamlining Advanced Street Sweeping for WDs and Cities -Comfort Lake- Forest Lake WD -$21,872
Project would develop a simplified approach for developing targeted street sweeping plans, and a user guide and fact sheet to reduce nonpoint source pollution from city streets.

Snelling Midway Soccer Redevelopment -Capital Region WD -$200,000
Request is for green infrastructure elements that go beyond stormwater management requirements on a brownfield redevelopment site.

RWMWD Aquifer Recharge Site Feasibility Study and Design –RWMWD -$37,500
Project is a desktop feasibility study to evaluate 1-3 most promising sites for focused groundwater recharge.

Healthy Lawns for Healthy Water-Turf Grass Aeration for WQ Improvements -Carnelian-Marine-St. Croix WD -$104,400
Project would evaluate turf aeration as an infiltration/nutrient reduction practice on private lawns and in municipal roadside ditches and parklands.

Chanhassen HS Stormwater Capture and Reuse –RPBCWD -$200,000
Project would install a treatment system to use stormwater from an existing treatment pond to irrigate up to 51% of playing fields and green space at a high school. 1.93 million gal/year.

Fire Station #2 Water Harvesting and Reuse –RPBCWD -$99,287
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