

AGENDA

**DES MOINES CITY COUNCIL
ENVIRONMENT COMMITTEE
City Council Chambers
21630 11th Avenue S, Des Moines, Washington
Thursday, November 17, 2022 - 5:00 PM**

Environment Committee:

Councilmember Jeremy Nutting; Councilmember Vic Pennington; Councilmember JC Harris

CALL TO ORDER

APPROVAL OF MINUTES

Approval of minutes from the May 12, and June 09, 2022 meetings.

[Minutes](#)

SMAP (STORMWATER MANAGEMENT ACTION PLAN - BASIN PLANNING) UPDATE

Staff and consultant, Parametrix, will provide an update on the City's basin planning efforts

[Stormwater Management Action Planning Status Update](#)

DRAFT MINUTES – ENVIRONMENT COUNCIL COMMITTEE MEETING 05.12.2022

The meeting was called to order at 4:02 PM, Thursday, May 12, via Zoom, with the following in attendance:

Council Members

Jeremy Nutting (Chair)
Vic Pennington (Vice Chair)
JC Harris

City Staff

Michael Matthias – City Manager
Dan Brewer – Chief Operations Officer
Beth Anne Wroe – Finance Director
Tommy Owen – City Engineer
Denise Lathrop – Community Development Director
Ben Stryker – Civil Engineer I
Matthew Hutchins – Assistant City Attorney
Taria Keane – Deputy City Clerk
Jodi Grager – Admin. Assistant

Guests

Mayor Matt Mahoney and Councilmember Gene Achziger

AGENDA

1. NPDES (National Pollutant Discharge Elimination System) Program Overview
2. Source Control Program Update
3. CIP Updates

MEETING:

- Unanimous approval of the 04.14.2022 minutes.
1. City Engineer Tommy Owen introduced Civil Engineer I Ben Stryker to present the NPDES Program Overview (Attachment #2). CE I Stryker summarized the NPDES program and requirements. There are eight categories aimed at preventing, reducing, and eliminating pollutants. NPDES Updates are on the Council schedule for June. There will be additional public outreach and information on the City's website and Social Media. Required records for the NPDES Permit are stored internally, however, the City's Comprehensive Plan includes SWM Department projects. A question about the Barnes Creek Trail and areas of seasonal flooding was discussed. Staff are aware of the situation and will research solutions. The original Barnes Creek Trail project was for a limited scope constructed by the Boy Scouts. Additional surface water management controls are complicated due to the permitting that would be necessary. Also discussed was the IDDE staff training component and inspections of catch basins through the field screening program. It was stated that the City's focus is stewardship of the environment; meeting the requirements of the NPDES Permit is vital to the continuance of the allowance of discharge into the surface water system. Information about reporting a discharge

can be found on the City's website:

https://www.desmoineswa.gov/departments/public_works/surface_water_management

2. CE I Stryker reviewed the Source Control Program Update document (Attachment #3). This is a new requirement for the NPDES Permit. It is an effort to protect our public surface water system by preventing pollutants from leaving the source of origin. There is currently a regional effort to create a Program Guidance Manual, in the meantime, one of the first expectations is the adoption of an ordinance requiring the application of Source Control Best Management Practices (BMPs). A draft of the ordinance was included in the committee packet. CE I Stryker was asked to describe the process of contacting Des Moines businesses. He stated the methodology will be detailed in the upcoming Program Guidance Manual. The City has been working on business outreach since 2017. The vast majority of businesses have received education regarding BMPs. Additional steps for 2022 include establishing a business inventory that identifies potential pollutant generating sites and adopting a Source Control Inspection Program Guidance Manual.
3. City Engineer Owen discussed the Capital Project Update document (Attachment #4). He mentioned that under the **Current Construction** heading – Lower Massey Creek 5-year Vegetation Monitoring is substantially complete, the contractor will remove any invasive species before Project Close Out.

One of the projects from the **Planning, Engineering, ROW Acquisition** was cited:

- The DMMD (208th – 212th) project is currently a series of ditches and culverts that would be transitioned to piping. This project is on the Consent Agenda at tonight's Council Meeting. The KDM/16th Ave S (Segment A) project is regarding undersized pipe and replacing it with more appropriate larger diameter pipe.

Planned Construction:

- The Redondo Creek Pipe Project would solve general issues during large rain events.
- The 10th Ave S Pipe Project involves a change order, staff are working with PSE to have a previously non located gas line relocated.
- The North McSorley Creek project is also on the Consent Agenda at tonight's meeting. This project will ease flooding on S 45th Pl.

Projects Targeted for Grant Funding:

- The Massey Creek Pocket Estuary and Fish Project is a Tier 2 on the WRIA 9 priority list. Staff are currently working on private property outreach.

Meeting adjourned at 4:51 p.m.

Minutes respectfully submitted by: Jodi Grager, Admin Asst

DRAFT MINUTES – ENVIRONMENT COUNCIL COMMITTEE MEETING 06.09.2022

The meeting was called to order at 5:00 PM, Thursday, June 9th in the Council Chamber with the following in attendance:

Council Members

Jeremy Nutting (Chair)
Vic Pennington (Vice Chair)
JC Harris

City Staff

Michael Matthias – City Manager
Dan Brewer – Chief Operations Officer
Andrew Merges – Public Works Director
Tommy Owen – City Engineer
Tyler Beekley – Civil Engineer II
Ben Stryker – Civil Engineer I
Matthew Hutchins – Assistant City Attorney
Jeff Friend – Deputy Finance Director
Bonnie Wilkins – City Clerk
Dale Southwick – I.T. Manager
Taria Keane – Deputy City Clerk
Jodi Grager – Admin. Assistant

Guests

Mayor Matt Mahoney and Councilmember Gene Achziger

AGENDA

1. SMAP (Basin Planning) Update

MEETING:

1. Civil Engineer I Ben Stryker presented an overview of the SMAP (Stormwater Management Action Plan, Attachment #1)). He described the SMAP as a new requirement for the NPDES Permit. SWM Engineers are working on creating a basin plan. CEI Stryker reviewed the 2022 timeline that includes three permit deadlines for development of the SMAP. He shared a preview of the Website and a Public Survey that will be available in the next couple of days, <https://storymaps.arcgis.com/stories/e1f9dbe4f5ce4414b56ff8607d045638>. Additionally, a public open house will be scheduled upon completion of the draft SMAP. This program concentrates on identifying areas that would benefit with Stormwater Actions. The draft will be submitted for SEPA review later in 2022.

Meeting adjourned at 5:23 p.m.

Minutes respectfully submitted by: Jodi Grager, Admin Asst

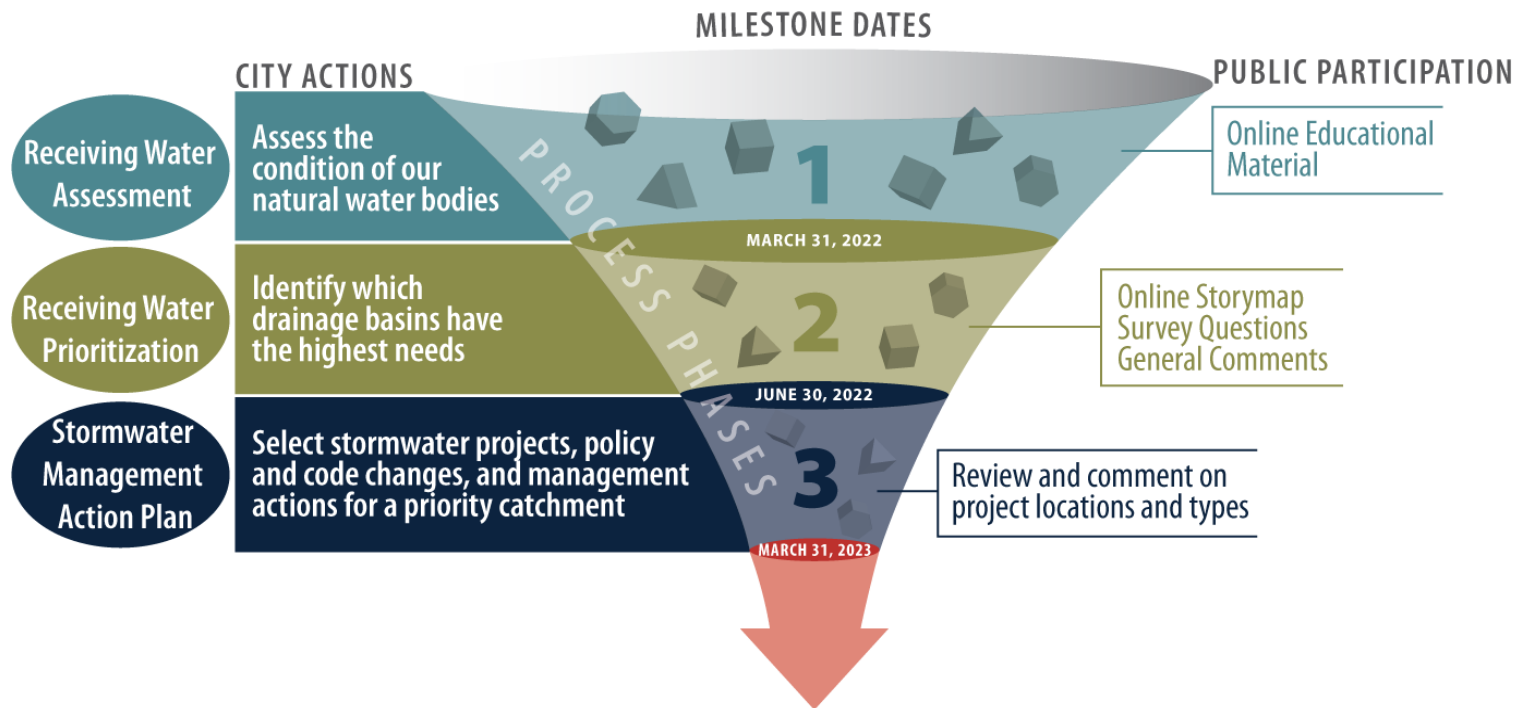
STORMWATER MANAGEMENT ACTION PLANNING - STATUS UPDATE

City Of Des Moines

November 17, 2022

OVERVIEW

Stormwater Management Action Planning (SMAP) Process



What's next in the highest priority drainage basin?

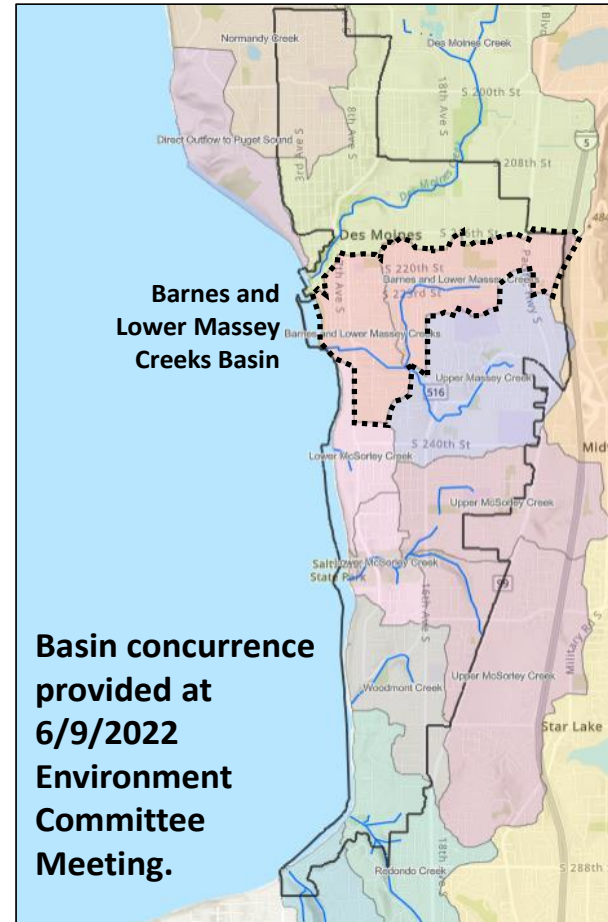
- Customized stormwater program actions (maintenance, inspections, etc.)
- Land development policy or code changes
- New stormwater facilities

Major Components

- 1. Retrofit Facilities**
- 2. Permit SW Program**
- 3. Land Management**

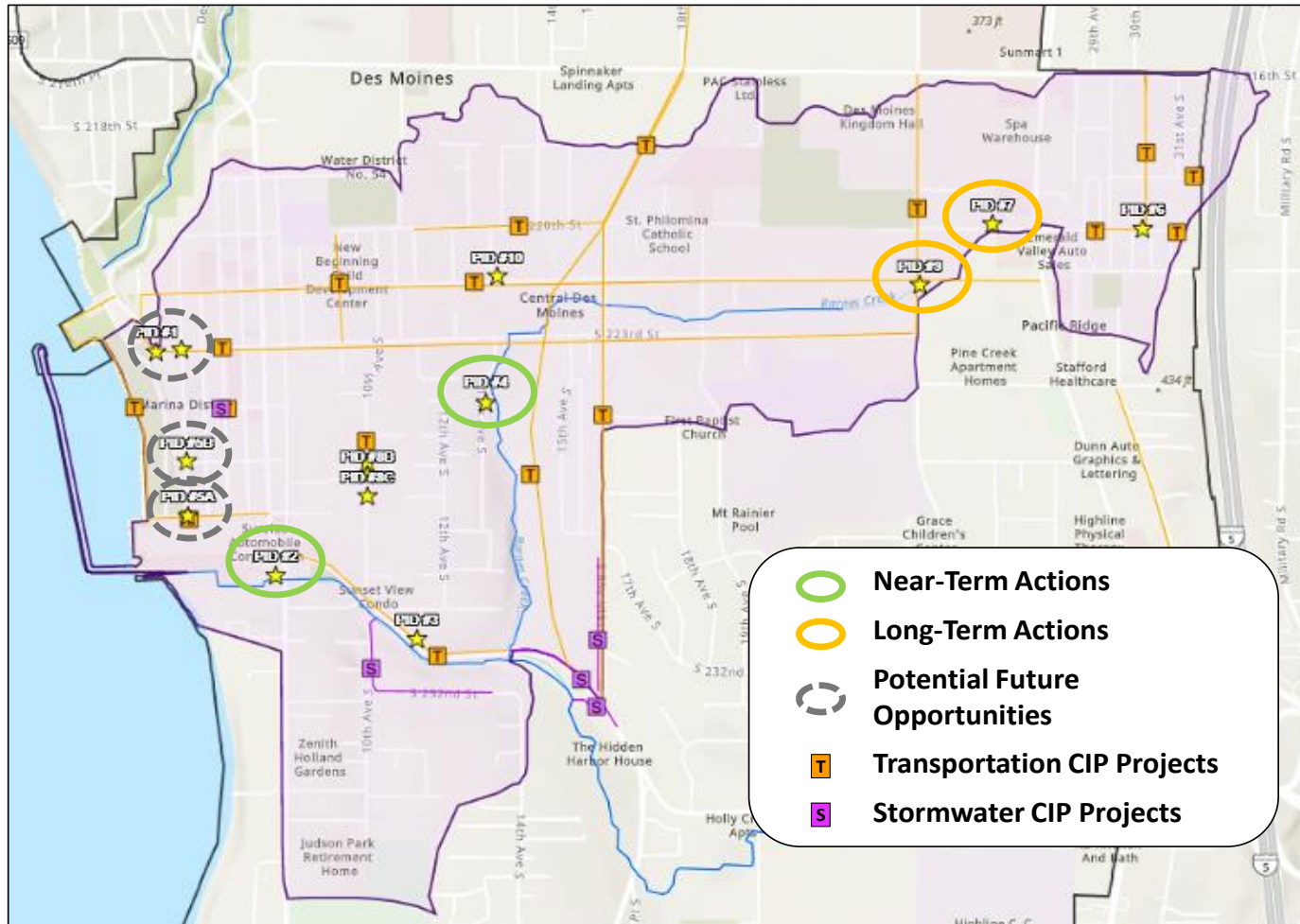
Supporting Elements

4. Long-rang plans
5. Budget and schedule
6. Adaptive management



Parametrix

1. RETROFIT FACILITIES



Near-Term Actions (0-6 Years)

PID #2 – 22741 Marine View
Dr S – Stormwater Pond
Optimization
(est. 1993)

Treatment Area: 52 acres



PID #4 – 22415 13th Ave S
(east side) – Retrofit Existing
Bioswale

Treatment Area: 9.4 acres



Long-Term Actions (7-20 Years)

PID #7 – 2454 S 220th St –
220th Pond/Stormwater
Wetland Optimization
(est. 2003)

Treatment Area: 62 acres



PID #9 – SE Corner of S 22nd
St & 24th Ave, Green SW
Retrofit (vegetated
bioretention area or bioswale)

Treatment Area: TBD

*Related to 24th Ave S
Improvement Project (Seg 1)*



Potential Future Opportunities

PID #1 – S. 223rd/Cliff Ave Street Improvement

Review potential for 'Urban Stream' concept

2023-2042 TIP – Priority #15



PID #5 – Downtown Des Moines Improvements

Provide sidewalks 6th Ave. S. & side streets from S 227th to S 220th/8th Ave S (west side) & side streets and alleys from S 227th to S 223rd

2023-2042 TIP – Priority #24



2. PERMIT STORMWATER PROGRAM



Targeted, Enhanced, Early, More Frequent, or Customized:

Short term

- Source Control inspections (at institutional, commercial and industrial sites)
- O&M inspections of City stormwater outfalls
- Illicit Discharge Detection and Elimination (IDDE) field screening of outfalls

Long-Term

- Public Education and Outreach – Marina District

3. LAND MANAGEMENT



Actions Designed To:

1. Conserve, protect, or restore receiving waters through land management strategies that act as water quality management tools,
2. Reduce pollutant loading, and
3. Address hydrologic impacts from existing development as well as planned for and expected future buildout conditions.

3. LAND MANAGEMENT



Types of Considerations:

- Growth Management Goals/Long-Range Plan Coordination
- Land Use Incentives for Developers
- Ordinance and Code Changes
- New Policy to Guide City Decisions
- City Programs

SMAP - SUPPORTING ELEMENTS



4. Local long-range plan coordination

Identify changes needed, if any

5. Budget and schedule

- Both short-term and long-term actions
- Likely and potential funding sources
- Long-term schedule should include interim steps (i.e. 2029 Comp Plan)

6. Adaptive management

Identify process and schedule to provide future assessment to improve SMAP implementation.

NEXT STEPS



Draft SMAP & Story Map

Mid-Dec 2022



Public Comment & Open House

Late Jan/Early Feb
2023



Final SMAP Report

Early March 2023



Permit Deadline

March 31, 2023



THANK YOU!



Questions?

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