

# ENVIRONMENT COMMITTEE AGENDA

September 13, 2018 – North Conference Room

21630 11<sup>th</sup> Avenue South – Des Moines 98198

6:00P – 6:50 PM

1. Approval of the minutes of the 6.14.2018 meeting (Chair to call the meeting to order and start @ 6:00 pm)
  
2. 2019 SWM Rate Update (Informational Item, 6:00 to 6:15 pm)  
*Staff will update the Committee on the 2019 SWM Rate adjustment and how the rates are tracking with the assumed rates of the 2015 SWM Comprehensive Plan.*
  
3. 2019 CIP Project Update (Informational Item, 6:15 to 6:30 pm)  
*Staff will update the Committee on the planned projects for 2019.*
  
4. Midway Sewer Comp Plan Response (Action Item, 6:30 to 6:50)  
*Staff will review with the Committee the District's responses to the City's Comp Plan comments. Staff has reviewed the Final Comp Plan and is seeking concurrence to adopt the Plan by Council.*

## **DRAFT MINUTES - ENVIRONMENTAL COUNCIL COMMITTEE MEETING 6.14.2018**

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The meeting was called to order @ 6:00 PM, Thursday, June 14, 2018, in the North Conference room @ 21630 11<sup>th</sup> Avenue South, Des Moines with the following in attendance:

### **Council Members**

Traci Buxton (Chair)  
Robert Back  
Matt Pina (arrived @ 6:15 pm)

### **City Staff**

Brandon Carver, PW Director  
Dan Brewer, Chief Operations Officer  
Loren Reinhold, SWM Utility Manager  
Matt Hutchins, Asst. City Attorney  
Peggy Volin, Admin Asst. II

### **AGENDA:**

1. Approve minutes of the 5.10.2018 meeting
2. CIP Project Update
3. Draft 2019-2024 SWM CIP

### **MEETING:**

1. Approve the minutes of the May 10, 2018 meeting: Unanimously approved.
2. CIP Project Update: SWM Utility Manager Loren Reinhold updated the Committee on the current CIP projects that are underway which included the design of the KDM-Barnes Creek Culvert and Deepdene Plat Outfall Replacement Projects, and construction underway of the 251<sup>st</sup> Outfall Replacement Project and 223<sup>rd</sup> Storm Improvements being made in conjunction with the 223<sup>rd</sup> Overlay.
3. Draft 2019-2024 SWM CIP: SWM Utility Manager Loren Reinhold briefed the Committee on the 2019-2024 Draft SWM Capital Improvement Plan by giving a brief description of all the projects listed and what year they are planned for design and construction.

Meeting adjourned at 6:25 pm

Minutes respectfully Submitted by: Peggy Volin, Admin Asst II

**SWM Rate Adjustment Summary**

Year	Comp Plan Assumptions					Cummulative
	CPI	CCI	Inflation	Step	Total	
2015	2.0%	7.5%	3.65%	0.0%	3.65%	3.65%
2016	2.0%	3.0%	2.30%	3.7%	6.00%	9.87%
2017	2.0%	3.0%	2.30%	3.7%	6.00%	16.46%
2018	2.0%	3.0%	2.30%	3.7%	6.00%	23.45%
<b>2019</b>	<b>2.0%</b>	<b>3.0%</b>	<b>2.30%</b>	<b>3.7%</b>	<b>6.00%</b>	<b>30.86%</b>
2020	2.0%	3.0%	2.30%	2.7%	5.00%	37.40%
2021	2.0%	3.0%	2.30%	2.7%	5.00%	44.27%
2022	2.0%	3.0%	2.30%	0.0%	2.30%	47.59%
2023	2.0%	3.0%	2.30%	0.0%	2.30%	50.98%
2024	2.0%	3.0%	2.30%	0.0%	2.30%	54.45%

  

Actual						Cummulative
	CPI	CCI	Inflation	Step	Total	
	2.0%	7.5%	3.65%	0.0%	3.65%	3.65%
	1.6%	2.6%	1.90%	3.7%	5.60%	9.45%
	1.8%	1.7%	1.77%	3.7%	5.47%	15.44%
	3.0%	-0.2%	2.04%	3.7%	5.74%	22.07%
	<b>3.3%</b>	<b>8.4%</b>	<b>4.83%</b>	<b>3.7%</b>	<b>8.53%</b>	<b>32.48%</b>
						32.48%
						32.48%
						32.48%
						32.48%



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**Engineers          Planners**

May 30, 2018

Mr. Loren Reinhold, P.E.  
City of Des Moines  
Planning, Building, and Public Works  
21650 11<sup>th</sup> Avenue South  
Des Moines, WA 98198-6317

**Subject:          2018 Midway Sewer District – Draft General Sewer Plan  
Responses to City of Des Moines Review Comments**

Dear Mr. Reinhold:

We received your review comments of the 2018 Midway Sewer District (District) General Sewer Plan (GSP) on May 11, 2018. Thank you for taking the time to thoroughly review the plan and provide comments. The District and BHC Consultants, LLC (BHC) reviewed your comments and have addressed them as shown below.

- 1. Please update the zoning maps per our current zoning which can be accessed on our City website at: [https://rnap .desmoineswa. gov/planningmap/](https://rnap.desmoineswa.gov/planningmap/)**

Figure 2-5 and Table 2-2 will be updated in Chapter 2 of the GSP.

- 2. Please include in the 6-year CIP Plan a schedule for the listed projects.**

Please refer to Table 12-7 for the 6-year CIP project schedules.

- 3. As the District is aware, the commercial shellfish harvesting beds in the Poverty Bay area of Puget Sound have been downgraded due to elevated levels of fecal bacteria. Midway Sewer District as well as Des Moines, Federal Way, King County and numerous other entities have formed a Technical Committee to address the pending formation of a Shellfish Protection District in response to the downgrade. The following Plan comments are for items the District should do to assist in the effort to improve the water quality of Poverty Bay by eliminating sources of fecal bacteria:**

- Chapter 7 includes system deficiencies for the gravity sewers and pump stations. A section should be included in this chapter that includes a map of any documented sewer overflows as well as a description of these overflows (magnitude) for the last six years. System upgrades to address these overflows should be given high priority in the CIP schedule.**

The District maintains a log of the overflows within its system. Upon request, the District can provide this log. The CIP projects identified within the GSP are intended to proactively address hydraulic limitations and equipment service life to prevent future overflows. The CIP identified in the Plan will help in preventing future overflows, and CIP projects are discussed in Chapter 11 and shown in Figures 11-1 and 11-2. The District will strive to prioritize projects that address and/or or mitigate the overflows in their CIP. Showing specific overflow locations is not a WAC requirement for the GSP, which has been reviewed and approved by the King County Utilities Technical Review Committee and the Department of Ecology.

- **The Plan should also include a map of all unsewered parcels within Midway Sewer District's service area as well as plan to eventually serve these areas.**

The District has and will continue to rely on developer-led sewer construction to serve unsewered areas within its service area. The CIP projects discussed in the GSP conservatively account for anticipated growth within the District service area and accommodate expected developer-led development of unsewered areas. Showing a map of unsewered parcels is not a WAC requirement for the GSP, which has been reviewed and approved by the King County Utilities Technical Review Committee and the Department of Ecology.

- **The City of Des Moines would also like to encourage the District to support the expanded use of Low Pressure Sewer (LPS) systems in an effort to eliminate existing.**

The District did expand the allowable use of sewage pumps by passing Resolution 2018-03. The section of this resolution pertaining to sewage pumping is the following:

*"A new Section 5.04.135 is added as follows:*

*5.04.135 Grinder Pumps. Grinder Pumps may be allowed only when no other practical alternative to serve a residential connect by gravity is feasible. The determination of feasibility shall be made by the District. When Grinder Pumps are allowed, they shall meet the following minimum requirements:*

- A. Grinder pump systems shall be Environment One Corporation (E/One) or approved equal.*
- B. Grinder pump systems shall be designed to achieve a minimum of 2 feet per second minimum flow velocity from the grinder pump system to the District main in the public right-of-way.*
- C. Grinder pump system piping shall be installed with cleanouts at the end of each line and at critical line size changes.*
- D. The minimum grinder pump system storage volume shall be 70 gallons.*

- E. The grinder pump system owner shall agree to maintain the grinder pump system on an annual basis with a prequalified professional maintenance service.*
- F. In the event the grinder system is not adequately maintained or fails to function properly, the grinder pump system owner shall grant the District immediate access to the property to perform maintenance as required to make the grinder pump system operational and to assure continued successful service.*
- G. Access on site shall include areas necessary to service the grinder pump and the discharge line should it be blocked.*
- H. The property owner shall be financially responsible for material, equipment, labor expenses and vendor costs incurred by the District for the repair.*
- I. Grinder pump system owner agrees that the District is not liable for any inconveniences, delays or damages caused by the District accessing the property and servicing the grinder system.*
- J. The grinder pump system and its operation and maintenance shall be tied to the property deeds and shall transfer completely to the next property owner upon sale of the property.”*

We hope that these responses and revisions to the GSP address your comments. If you have any questions, please contact me at 206-357-9932 or at [jim.gross@bhccconsultants.com](mailto:jim.gross@bhccconsultants.com).

Sincerely,  
BHC Consultants



James Gross, P.E., PMP  
Project Manager

cc Ken Kase, Midway Sewer District  
Marc Montieth, Midway Sewer District  
Greg Mockos, PE, BHC

