



**Public Works Committee
City Hall – 200 NE Moe Street
2nd Floor Conference Room**

Subject	Meeting Agenda	Date	June 24, 2020
Recorder	C. Roberts	Start Time	5:00 PM
Committee Chair	Connie Lord	End Time	7:00 PM
Committee Members	Connie Lord (CL) David Musgrove (DM) Britt Livdahl (BL)		
Staff Present	Charlie Roberts (CR), April Ziemann (AZ), Diane Lenius (DL), Andrzej Kasiniak (AK), Josh Ranes (JR), Mike Lund (ML), Cedar Simmons (PMX Guest), Mallory Wilde (PMX Guest), Shannon Wood (SW), Mike Ollivant (PMX Guest), Mayor Becky Erickson (BE), Ryan Golden (RG)		

**The meeting will be held virtually. The public is welcome to call in:
Phone: 1 (623) 404-9000 / Meeting ID: 148 620 3974**

**THE MEETING MINUTES ARE A SUMMARY OF THE AUDIO THAT IS AVAILABLE UPON
REQUEST.**

Agenda		
No.	Topic	Action/Recommendation/Discussion
1.	Administrative:	
A.	Questions & Concerns of the Committee	CL would like to end meeting by 6:30 in order to prep for Council. DM – confusion about the virtual meeting vs. in person. Would like to keep meetings either all virtual or all in person. As things move forward it will be all one way or the other.
B.	Agenda and Extended Agenda Review	CL asked if items could be pushed off? DM asked to move item 2-1 to end of meeting. If get to it by 6:30 then good if not then next meeting.
C.	Mayor, Department Head and Staff Reports	None in interest of time.
D.	Approval of Minutes: 5/27/20 & 6/10/20	Approved both sets of minutes.
E.	Future Meeting Conflicts	None.
2.	Agenda Items:	
1.	Neighborhood Streets 2020 Update	Did not get Discussed (moved to end of

The committee may add and discuss other items not listed on the agenda.

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		agenda).
2.	BHC Contract for Sewer Comp Plan – Phase I	<p>AK – presented the sewer comp plan phase 1 contract. Proceeding with comp plan in anticipation of future increase population allocation (current 14,850; will not happen in 2036, likely sooner). Expect to increase to around 20,000. Siphon, pump station, central interceptor will be at capacity and will need large projects to increase. Comp plan will look at alternatives. Phase 1 = citizen advisory committee, data collection, will look over 20 and 50 year scenario. Also includes I & I components (RH2 study). And Dynamic modeling of sewer system, evaluation of alternatives. Phase 2 of the sewer comp plan – develop and evaluate other alternatives (such as small scale treatment plans MBRs), look at other future scenarios and look at alternatives. Schedule of Phase 1 – data and growth projects August – October 2020, Model Jan 2021, look at phase 2 spring 2021. Contract is \$117,040, 2020 budget is \$125k, anticipate 175k in 2021. Increase in cost due to large scale alternatives, and public outreach.</p> <p>CL – happy city is being proactive over such long a timeframe. Pop. Allocation hard to deal with until have a solid number. AK – very important document and large public investment.</p> <p>DM – asked if BHC did last comp plan. AK confirmed BHC has model and data, and other consultants will be utilized during process. DM appreciates use of other consultants to make more well rounded document.</p> <p>PWC recommended to council to award contract in amount of \$117k to BHC to move forward with BHC Phase 1.</p> <p>AK – plans to bring forward to July 1 council meeting.</p>
3.	Sewer MBR Discussion	AK – background that we want to explore alternatives to Sewer. PMX will give high level presentation for satellite waste

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		<p>water reclamation facility (MBRs). DM asked about City responsibility and County before diving into something new. AK answered that currently will send 0.95 MGD sewer to Kitsap treatment plant, new population could go to City owned reclamation plant if that is best alternative. Will not change agreement with Kitsap county.</p> <p>Cedar and Mike (from PMX) gave presentation on Satellite Water Reclamation Facility. Overview of system, it is a small scale treatment plant, not entire sewer flow. Able to save downstream infrastructure which is near capacity, or restrictions on receiving water body (nutrient loading). Benefits include ability to recharge groundwater, retain investment in existing system, may save ratepayers over the long range. Water is reclaimed at higher water quality than a secondary treatment (Class A system).</p> <p>Cedar talked about Membrane Bioreactor (MBR), about 90% of water reclamation are BMRs. Not a new technology, very common. Explained how system works, reclaimed water meets primary drinking water standards, much higher than other treatment plants.</p> <p>Mike gave several examples of facilities constructed in Washington. Different options for disposal of reclaimed water: pressurized infiltration system (linear facility), year round forest lands disposal and reuse water distribution system (irrigation over 30 acres of forest), rapid infiltration basin disposal in gravelly soils (pond), deep well vadose zone disposal (vertical injection wells screens at 80-</p>

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		<p>160') does not inject water into ground water.</p> <p>CL – asked about plant costs. Mike – costs included plant, piping to disposal site, disposal site, engineering. Did not include cost to get water to the plant.</p> <p>CL – asked about maintenance at the MBR. Mike – membranes have in place backwash, membranes do have to be replaced ~8 years. Costs have dropped on the membranes.</p> <p>DM – appreciates the presentation, asked if injecting into aquifer is acceptable. Mike – injection goes into the vadose zone (non-saturated portion of the ground). Vadose zone provides additional treatment prior to entering groundwater. Direct injection into groundwater requires additional treatment, has not been tried into Washington.</p> <p>DM – O&M costs, relative cost to consumer relative to existing system vs. satellite plant. Mike – would anticipate ongoing cost to be more per gallon. DM – would need to weigh this vs. upfront cost. Asked if could purple pipe and sell water to consumer. Mike – if you can find a customer to buy it, could sell for irrigation purposes.</p> <p>AK – asked about permitting timelines. ~2-3 year time frame for approval from Ecology. Pointed out flexibility of the system, can locate facility and infiltration/disposal site separately. Presentation is just beginning to give overview. As get deeper into the process, can get more in depth with a operation cost and life cycle costs. Mike – recommends next step is a paper on soil conditions, gronwater wells, etc. AK</p>

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		<p>clarified PWC would like to see additional operating costs as next step. AK sees a lot of this going into Phase 2 of sewer comp plan (start around end of 2021 or 2022).</p> <p>AK asked about interest in going to visit treatment plant in Shelton. PWC interested in going, schedule when we move into Phase 3.</p>
4.	COVID-19 Update	<p>DL – brief update about floor 2 for Phase 3, including stickers on the floor and bringing staff back in. Planning side of the house has been very busy and in the pipeline. Working with contractor on Johnson road schedule, sounds like September start date.</p> <p>Mayor – shared draft Covid-19 re-opening plan specific for the City. 50-50-50 rule – 50% capacity, 50% staff availability and in building 50% of time. Mask compliance, personal hygiene. 6 ft of separation in hallways, elevator, etc. Screening form prior to work “computer splash page”. Optional / voluntary check in sheet for visitors. Committees will continue to meet virtually, council will be in person. Committee meetings will end at 6:30 to accommodate travel time. Phase 3 = open public meeting acts back into effect.</p>
	Meeting Adjourned 6:33pm	

Future Agenda Items

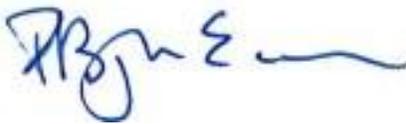
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No.	Item(s)	Responsibility	Anticipated Meeting Date
1.	PMC – Transportation Development Code Update		July
2.	a. Speed Limit Policy		July
	b. Speed Hump Policy		
	c. Street Lighting		
	d. Street Connectivity		
	e. Cross Walks/Green Plastic		
3.	2022 KCTP Capacity Improvements – Costs/Poulsbo share		July
4.	Long Range Plans & Legal Options for the Old Dump Site		July
5.	Assets for the Retiring PW Facility		July
6.	PW emergency prep and status overview		July



Reviewed by Mayor Erickson

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