

**PUBLIC WORKS COMMITTEE MEETING MINUTES**

Tuesday, February 11, 2020, 3:00 p.m. MT

\*\* Public Works Headquarters \*\*

Meeting called to order at 3:00 p.m. by Scott Wilson, Public Works Committee Vice-Chairman.

Committee members present included Mr. Scott Wilson, Mr. Pat Woodcock, and Mr. Jackson Fox (Babcock and Tuttle -excused).

Others present included Cliff Leeper, Betsy Roberts, Suzanne Mulvany, Morgan Gipson, Adam Brown and Griffin Hewitt, Argus Observer.

The press was notified. This meeting was recorded (the tape is available at the Public Works Headquarters); the minutes are on file at City Hall and on the city’s website at <https://www.ontariooregon.org/public-works-committee.html>.

**ADOPTION OF MINUTES – JANUARY 14, 2020**

**RESOLUTION, ACTION &/OR MOTION:**

**The motion was made by Mr. Fox, seconded by Mr. Wilson to adopt the minutes of the previous meeting, January 14, 2020: Motion passed unanimously.**

**ELECTION OF OFFICERS**

**RESOLUTION, ACTION &/OR MOTION:**

- Mr. Fox nominated **Mr. Babcock for Public Works Committee Chairman**; Mr. Woodcock seconded the motion. **Motion passed unanimously** (Babcock and Tuttle -excused).
- Mr. Fox nominated **Mr. Wilson for Public Works Committee Vice-Chairman**; Mr. Woodcock seconded the motion. **Motion passed unanimously** (Babcock and Tuttle -excused).
- Mr. Wilson nominated **Mr. Woodcock for Public Works Committee Secretary**; Mr. Fox seconded the motion. **Motion passed unanimously** (Babcock and Tuttle -excused).

**SRCI**

BR – The Council passed the Agreement with SRCI.

- o 20-year agreement
- o Sent to the DOC for signature

**2020 CIP REVIEW**

Priority	Capital Project/Task	Description	Notes	FY 2019-20	BUDGET PLANNING YEAR: FY 2020-21	FY 2021-22
<b>Water Fund</b>						
0	Water Treatment Master Plan	WMP needed to support capacity increase identified in MSA Audit. This WMP would focus mainly on treatment and capacity, not the distribution system which was updated in 2009.	Plan needed to begin design and receive approval for capacity increase. Update existing WMP including treatment. Water Distribution plan was updated in 2009, but treatment and supply has not been updated since 2001. Use demographic info to support Transportation MP. Incorporate Bench Res into MP. Distribution system pump optimization. Include SCADA upgrades. Dates: Water System Master Plan Executive Summary - January 18, 2002; Water Supply and Treatment Plant Study - February 2001; Water Distribution Master Plan - February 2001; Distribution Plan Update April 10, 2010.	100,000.00	DONE	
	Decant system recirc	Design and plumbing changes - Recirculate backwash water instead of sending to ponds.	Design this year and construct following year		20,000.00	150,000.00
0	Solids Removal	Remove accumulated treatment solids. Cost to haul and spread non-toxic materials off WTP site. Assume 1000 yards for hauling for first year.	Solids can be used at Clay Peak as cover coat material. Working with DEQ to get material spread at Golf Course (through Rich Dickerson). Continue with another \$50k; emphasize savings over going to Clay Peak. <b>ROLL OVER (NEED \$50K IN 2020)</b>	50,000.00	50,000.00	

0	Baffle Wall Replacement	Replace baffle walls in flocculation system. Currently there are gaps in the existing redwood walls at WTP because the wood has disintegrated. Can no longer patch - patching materials must meet NSF (drinking water) standards.	Design complete; will replace wall and steel FY18/19 then carry forward \$50k for next year flocculator frames (paddles completed). Total cost this year \$53k expense, \$25k labor. <b>JAN 2020 DO NOT CARRY FORWARD - TAKE TIME TO REVIEW AND GET POTENTIAL SUPPLIERS LINED UP.</b>	100,000.00		
0	Hydraulic Model Calibration	Calibrate hydraulic model - this can be spot check process - to ensure model is still correct.	Covered in WMP			
0	Clean and Repair Slough	Remove trees, remove build-up with ditch cleaner, improve erosion control at inlet.	Coordinate this effort with general plan to recycle the decant water from the plant. During high flow season, plant discharges up to 60,000 gallons of treated water a day for backwashing. This water could be recycled back to the plant. Dec 2019: Clean slough sediment; improve connection system to use existing piping. Need total of \$35k (rollover or complete part FY20 and add \$15k in FY21); <b>JAN 2020 - APPROVAL RECEIVED FROM STATE; ROLL OVER FUNDS FOR CLEANING SLOUGH. ADD \$10K FOR SLOUGH CLEANING. INLET TO BE IMPROVED UNDER MAINTENANCE BUDGET.</b>	20,000.00	30,000.00	
1	Microchlor cell replacement/repair	Cell replacement needed annually for generating disinfectant. Need 2 replacements per year. Was not done last year <b>MUST</b> be done this year. Potential disinfection issues if we do not replace.	This disinfection system is outdated. Need to consider a new system at some point. See Chlorine Generation system. The cost of 1 cell for the WTP is approximately \$12.5k plus a little for shipping etc.	27,000.00	30,000.00	30,000.00
2	Reservoir Inspection		We have 6 tanks and will need to inspect them every 5 years AND clean. For FY 20/21 need to clean (was not done as part of inspection year before). Cleaning, as inspection, is specialized work and cannot be completed by Jacobs team. <b>Kim to get estimate from Midco.</b> (this is for cleaning 3A/3B and Bench AND CLEARWELLS)	10,000.00	15,000.00	
	Bench Reservoir	Midco Inspection Report: Internal Ladder needed and external coating improvements	1/6/20 Kim getting price from Midco for budgeting purposes. WMP team agreed to timing.			xxxx
	Westside Reservoir	Midco Inspection Report: Coating failure, replace vent screen, secondary hatch repair.	1/6/20 Kim getting price from Midco for budgeting purposes. WMP team agreed to timing.			xxxxx
	Booster Pump Stations	Eastside and Westside Reservoirs	1/6/20 - WMP team agree that installation of VFD is not needed (already have 2 out of 3 pumps that are VFD); just need improved controls to use VFDs better than currently. <b>Dave Wildman getting price from ACS for controls improvements.</b>			xxxxxx
	Booster Pump Stations	Eastside and Westside Reservoirs	1/6/20 - WMP team agree that additional ventilation is required in the pump room; cabinets need ventilation and cooling. <b>Dave Wildman work on HVAC improvements.</b>			xxxxxx
Future	Booster Pump Stations	Auto Transfer switch for Eastside and Westside Booster Pump stations	1/6/20 WMP discussion: Eastside and Westside tanks; <b>Dave Wildman is getting an estimate from Power Northwest.</b>			xxxxxx
	Eastside Booster Pump Station	Need Flow Meter	1/6/20 WMP - we have no flow meter at either influent or effluent. <b>Dave W is getting a cost on this.</b>			xxxx
	Vibration Analysis	monitors motor efficiency/condition - excellent for preventative maintenance; <b>predicts motor failure and allows for preventative maintenance</b>	software program with minimal hardware; connected to SCADA. <b>JAN 2020 - THIS COULD COVER 23 LARGE PUMPS. THIS FEATURE IS BUILT INTO NEW MOTORS; THIS GIVES US PREDICTIVE MAINTAIN AS OPPOSED TO SCHEDULED.</b>		60,000.00	
3	Solar Bee	Bench	This will help circulate water to reduce stratification in the tank and reduce disinfection bi-products. Estimate for one solar bee. Price for bee is about \$10k then add ons is another \$10k as needed; these may not be needed.	20,000.00	will be done	
5	Pick Up Replacement			25,000.00	DONE	
6	WTP Electrical Supply Evaluation & Control System/space Upgrade	Electrical Engineer T.Palin/B. Roberts discussed electrical power challenges at WTP with supervisor. E. Engineer considered future need for Auto Transfer switch in cost est. prep.	Initial problem statement: Pump #1 needs VFD and new motor/pump - can't due to power supply. Include improvements to Control room area - remove panels as appropriate, update work stations, etc. Est: \$13k for electrical; \$7k for SCADA/controls	20,000.00	DONE	
	WTP MOTORS	PUMP 3 RUNS HOT (100 HP - Constant speed pump); LIKE TO REPLACE WITH 250 HP VFD. (PUMPS 3 AND 4 DEDICATED TO WEST SIDE/ BENCH). PUMP 4 IS ALREADY A 250 HP VFD - need in-kind back up.	Replace pump 3 (100hp constant) to 250 hp variable pump. Challenge includes cooling the pump room area. That adds additional cost.		330,000.00	This cost increased based on need to update HVAC in Pump Room. 2 10 19
	Remodel the WTP control room and pump room (HVAC improvements etc.)	<b>SEE VFD ISSUE ABOVE.</b> Based on report above - conduct improvements for COOLING WITH pump replacement.	SPACE IS LIMITED IN PUMP ROOM - FOR BOTH NEW VFD AND HVAC IMPROVEMENTS. Feb. 10, 2020 In addition to the HVAC improvements, received estimate from ACS for upgrade of Control Panel in WTP operating room - \$88k.			88,000.00
8	WTP Laboratory Upgrade	New cabinets, counters, workstation <b>JAN 2020 - ADD EFFORT TO GET OLD CONTROL PANEL REMOVED. GETTING PRICES FROM ACS AND VALE ELECTRIC.</b>	Currently using inappropriate grade cabinet and space. Lab cabinets will handle corrosive materials etc. Improved safety and efficiency for staff. <b>JAN 2020 ROLL OVER AND ADD ADDITIONAL BUDGET. REMOVAL OF THE OLD PANEL WILL CREATE UPDATED WORK SPACE/REMODEL CONTROL ROOM.</b> 1/20/20 - move the control panel work out one year to get better budget.	65,000.00	-	120,000.00
7	Rehab existing wells	Well 6 being completed FY 19/20. Well 14 needs access port.	Recondition wells every 6 years. We have 6 wells so one per year. <b>JAN 2020 WELL 6 NEEDS TO BE DONE IN 2019. CASING NEEDS TO BE REVIEWED AND POSSIBLY RESLEEVED. CARRY ANY \$10K LEFTOVER TO NEXT YEAR AND ADD TO \$15K. WELL 14 NEXT IN LINE AS BUDGET PERMITS.</b>	10,000.00	15,000.00	10,000.00
Future	Chlorine Generation System	Updating existing system (totally new). Existing System is from 2004 - over 16 yrs old.	Dollars are place holder - depending on type of system desired. Need to do some research to select best system.			500,000.00
	Additional Drying Bed	same size or similar (located where of existing). Will go out to contractor for excavation.	<b>JAN 2020 - POSSIBLE WILL HAVE TO PUSH OUT DUE TO WMP FINDINGS.</b>		30,000.00	
	"pave" at WTP	using AC millings. 750LF x 15Ft \$18.5/TN	Area from plant to mixing building to beds.		6,500.00	
	millings on road up to Bench	AC Millings	950' x 15' x 0.33' = 167 CY		7,500.00	

Future	FLAIL	FLAIL MOWER FOR MAINTAINING AREA ALONG SLOUGH/RIVER (WEED CONTROL)	SPLIT BETWEEN WATER AND WASTEWATER		10,000.00	
	Transfer Switch Replacement	WTP	Install automated Transfer Switch for WTP. Coordinate with Electrical service update. Existing is manual transfer switch. <b>JAN 2020 - KIM WORKING WITH ACS TO IMPROVE CONTROL TO ELIMINATE THIS NEED.</b>			
	Phase 2 Security Upgrade	Additional Cameras and conduit	This will cover perimeter (N and W); Adam is working on updating system City-wide. So PW is on hold for any of this.			
	Well 18 - NEW	Replace lost groundwater capacity with new well	Reviewed project cost with AP for a shallow well, including drilling, engineering, testing, commissioning, and pump station. <b>Need input from WMP.</b>			
	Ford 1 Ton (dually)	2003 F350 VIN#1FDWF36S23EA65759 E224322	Replace Ford 1 Ton Pickup; 2003. Hydraulic system has not been good (belt driven) - continual problems. This needs to be salvaged. Buy ORPIN chassis but then "build" by others. Will plan to trade in existing. This is a service truck so needs utility boxes		75,000.00	
Future	Phase 2 WTP Audit - Increase WTP Capacity	New WesTech water treatment module to provide increased capacity. This would increase capacity by 2 MGD. This is the 3rd module; system currently has 2 modules.	1/6/2020 Dave W. getting verification from WesTech on the controls and integrating the 3 cassettes together (2 existing with new 1). Currently have \$150k in current FY - will ROLL OVER. This will be for engineering for 20/21. Then installation for 21/22.	150,000.00	150,000.00	1,300,000.00
	Chemical Storage Room	Will require 20x20 room (can be separate from existing building). Needs to meet isolation/containment requirements. Will require heat.	Will work to identify this in the Water Master Plan. Check price for building with 4 diff chems. 1/20/20 Requires secondary containment. We are currently using space where the new cassette will go.		50,000.00	
	Phase 2 WTP Audit - Clearwell or other identified upgrade or improvement	Provide detail on project enhancements	Water master plan			
	Replace Eastside 3A Tank	currently 1 MG	review WMP and opportunities for replacement			
	CL17 Chlorine Analyzers	Replace analyzers located around plant	5 analyzers for replacement; reagent costs \$50. Will replace with new ones not requiring any chemicals. Maintenance is virtually nothing. Chance of bad readings significantly lower.		10,000.00	
Begin Turbidimeter replacement	There are 5 around plant. No longer supported by supplier	Hach will no longer have parts		10,000.00		
				597,000.00	899,000.00	2,198,000.00
Priority	Capital Project/Task	Description	Notes	FY 2019-20	FY 2020-21	FY 2021-22
<b>Utility Capitalization Fund UCF</b>						
0	Meter register replacement	Cost of parts only (labor by CH/Jacobs). Transition meters that are not functioning - dead battery. Averaging 50 - 60 a month.	Last year we had \$200k budgeted. Should have \$114k left. CARRY OVER. Meter cost is about \$280 each. 1/20/20 Karl says we are \$18k spent now - check on the amount. Will ROLL OVER whatever we don't spend.	114,000.00	100,000.00	100,000.00
1	Sewer Line Replacement	1/6/20: This is more focused on response to NPDES now (and 1/1). Waterline replacement will be only if required for sewer work.	Assume \$150/LF with surface repair for estimate of 1100 LF. Need to assume about \$60K for design. NW 2nd/3rd St Alley - water and sewer; include the Beck Park sewer pipe (150 LF for bursting); D11 open end to MH37 to MH1 PLUS D12 MH3 to MH2. Added survey cost as well. 1/20/20 Roll Over the left over (assume \$200k) for SDC for CDBG. The Environmental will be included in this as well. need to get to council. Beck being completed this spring 2020.	400,000.00	200,000.00	400,000.00
	Waterline Replacement	Waterline replacement or looping	1/6/20 based on WMP discussion. There are locations where looping will improve fireflow.		150,000.00	
2	SE 2nd Street Water & Sewer Project	To get the water and sewer extended before new pavement is put down, City needs to construct the extensions summer 2019.	Estimate including survey and design for 540 LF of 8" sewer is \$180/LF. For 55 LF of 8" water main, it is \$175/LF	160,000.00		
	Abandon Wells Properly	Abandon Wells 8, 9, 13 in accordance with ODWR standards.	Need to meet regulatory requirements.	15,000.00		
Future	Valve Replacement	Replace 2 backwash valves at WTP	Pneumatic valve replacement: 2 24" butterfly valves effluent valves and 3 controllers (one controller on shelf). These valves are getting old and not operating as smoothly as they should. These are critical to the WTP. Have been having issues over year of 2017-18. NEED REPLACEMENT ASAP - spring 2018. These valves are about 30 years old - cannot rebuild must replace.	20,000.00		
				709,000.00	450,000.00	500,000.00
Priority	Capital Project/Task	Description	Notes	FY 2019-20	FY 2020-21	FY 2021-22
<b>Wastewater Fund</b>						
R	NPDES Permit	Biosolids removal loan program, DEQ coordination	Effort to coordinate with DEQ and with loan agencies to accomplish NPDES requirements. ROLL OVER	35,000.00	30,000.00	
R		(Annual - set template 1st time)	These may end up being carried over to 2019; this is a cumulative number for all the reports packaged together. Includes: WW Solids and Biosolids Reports (Feb. 19, 2020). These are new annual reports. Includes Significant Industrial User Survey (due May 1, 2021).			

R	Pollutant Source Identification and Reduction Program	The permittee must develop a Pollutant Source Identification and Reduction Program. The key element of this program is the development of a Source Identification and Reduction Study to identify significant contributions of arsenic to the collection system. The study will include a monitoring plan to quantify load contributions from I&I, ground water wells, industrial and other significant arsenic sources. Program Due Jan. 2020	The study will also identify pollutant reduction options and quantify the potential reductions relative to the efforts to meet water quality effluent limits. At minimum, the study will include an evaluation of the following pollutant reduction options: • Collection system rehabilitation projects that are in addition to ongoing I&I reduction efforts. • Treatment of private water wells or conversion to municipal water supplies • Investigation and evaluation of the accumulated biosolids within the primary treatment lagoon as a source of arsenic. Prepare contingency plan to facilitate the by-pass of the primary lagoon. The study will also identify available funding mechanisms and a methodology for prioritizing and implementing the identified pollutant reduction options. The Study will develop a timeline for implementation of reduction efforts to be completed by <b>May 1, 2021</b>	\$25,000 REALLOCATION from other spots to start now	75,000.00	
R	Biosolids Mapping	Map level and location of biosolids in Lagoon 1; <b>move this up a year</b>	One-time report; due <b>Oct. 31, 2022</b> . Permit has tighter definition on this - need to find vendor to get estimate.	1/20/20 Consider getting this done this year with the design below so we can remove in the coming year	10,000.00	
R	Hauled Waste Control Plan	Plan covering how we handle septage	Plan covers our facility, testing for acceptance, capacity to treat, load rejection, and record keeping. Proposed date: <b>June 30, 2019</b>	-		
R	Mercury Minimization Plan	Develop plan to show steps to minimize opportunity for mercury to enter waste stream. Will work with Scott Wilson on this - solid waste can be tied into effort.	1. measure plant concentrations over 1-year period (monthly sampling) 2. Evaluate reduction potential of users 3. evaluate reduction potential of wwtp 4. Summarize activities for reduction implemented 5. create new steps for reduction and implementation. Proposed date: <b>August 31, 2020</b>	50,000.00	10,000.00	WE do not have any budget this year - do we have something in the \$15 for plans?
R	Design & Construction Plan for pH Adjustment	The permittee must complete a plan to design a pH adjustment system, identify funding and construct diffuser to meet pH water quality criteria.	Proposed Permit date: October 1, 2019	5,000.00	DONE	
R	Complete Construction of pH Adjustment	The permittee must complete installation of the pH adjustment system to meet pH water quality limits	Proposed Permit date: <b>September 1, 2020; ROLL OVER</b> if necessary.	50,000.00	10,000.00	ROLL OVER \$50k - may have used some for plan?
R	Submit Diffuser Design and Construction Plan:	The permittee must complete a plan to update the existing mixing zone study and design a diffuser to meet ammonia water quality criteria. The plan must identify funding source, in-stream permitting requirements and preliminary construction schedule.	DONE	5,000.00	DONE	
R	Complete Mixing Zone Study	The permittee must complete and submit for approval a Level II mixing zone study in accordance with the Department's policies and guidance.	Proposed Permit date: <b>August 1, 2020; ROLL OVER APPROVED budget: \$80k</b>	60,000.00	5,000.00	Talk to MSA about timing on study completion - do we need to roll over? Probably smart to keep \$5 in for submittal to DEQ
R	Diffuser Design	The permittee must complete and submit to the department a diffuser design incorporating updated mixing zone values. Upon approval, the permittee will begin construction and installation of the diffuser.	Proposed Permit date: <b>February 1, 2021; 1/20/20 current MS number seems low - hold contingency for this.</b>		35,000.00	Update provided by MSA
R	Diffuser Construction Complete	The permittee must complete installation of the diffuser to meet ammonia water quality limits	Proposed Permit date: <b>September 1, 2023; 1/20/20 May have to do at low flow in fall previous</b>			
R	Annual Progress Report for Pollutant Reduction Program	The permittee will submit to the department a report detailing the progress toward the identification and reduction of Arsenic. The report will quantify the mass load of arsenic from the municipal water plant, through the collection system and into the treatment system. The report will discuss the reduction options implemented and quantify their effectiveness. The report is a condition of the compliance schedule and are required until implementation of the final effluent limits for all pollutant parameters.	1st one due <b>April 1, 2022; 1/20/20 consider whether the follow up after first year need to go to budget.</b>			50,000.00
R	Wastewater Reuse Plan Update	<b>WE WILL REMOVE THIS ONE (now or later)</b>				
R	Initial Inflow and Infiltration - Program & Annual Report	Annual report due to DEQ regarding extraneous water entering WW stream	Will be annual report but first year set up, monitoring etc. will be significantly more than following years. Due date is <b>February 1, 2021</b> . First effort is defined as a program with schedule plan development, monitoring and data collection. Continued cost is report prep per DEQ requirements.	20,000.00	50,000.00	20,000.00
1	SCADA Telemetry Upgrades	Old technology no longer supported; Going away from 3G system to 4G; work through ACS	If upgrade not completed, requires manual viewing - approximately 4 hours per day (7 days per week) to read all sites. Will require weekend OT time. <b>JAN 2020 - WORKING ON THIS NOW. EXPECT IT TO BE DONE PRIOR TO FY END.</b>	15,000.00	-	
2	Ford F150 4WD	Replace 2003 Chevy Duramax - (#458-03 is a 2003 Chevrolet 3/4 ton 4 wheel drive pickup)	<b>TRANSMISSION ISSUES - BACK AND FORTH TO SHOP OFTEN WITH NO REAL SOLUTION. PROPOSE</b>		25,000.00	

			TRADING IN ON PURCHASE TO SUPPLEMENT BUDGET. 2003 WAS A NOTORIOUSLY BAD YEAR.			
	Future Pick Ups	Replacement Program				30,000.00
3	Skyline & Malheur Farm Upgrades	Pivot flow meters and control panels	6 meters & control panels Skyline (required reporting to DEQ re: permit)/9 meters and control panels at Malheur; probably going to be used all on Pivot 1 at Malheur. Casey getting bids 12/3 19; FY 20/21 spent on Skyline Pivot 1 JAN 2020 - MALHEUR GPS PO UNDERWAY (PIVOT 1 FOR \$15.9K). SKYLINE - NEED NEW PANELS. WORKING ON PO. \$3500/PANEL. FOR FY 2020 \$50K BUDGET TO WORK ON METERS. NOT ABLE TO PURCHASE THOSE IN 2019. NEED 6 M SKYLINE/9 M AT MALHEUR.	30,000.00	50,000.00	
R - Future	Facility Plan outline	Facility Plan OUTLINE to support the NPDES Permit	Added SCADA assessment to Facility Plan. Due May 1, 2024			
R - Future	Facility Plan		Due May 1, 2024			75,000.00
Future	Aerator Replacement	Considering replacement with solar bee type; current model has electrical tether and require large amount of power. These are difficult to maintain. Current model is over 20 years and not efficient for DO system	HOLD for now - consider solar bee aerators			
	FLAIL	FLAIL MOWER FOR MAINTAINING AREA ALONG SLOUGH/RIVER (WEED CONTROL)	SPLIT BETWEEN WATER AND WASTEWATER		10,000.00	
	Skyline Farm Booster Pump	pull pump to check condition. This is 250 hp pump.	JAN 2020 - THIS IS FUNDING TO REBUILD THIS PUMP. TOO LARGE/EXPENSIVE TO HAVE 2ND ONE ON SHELF.		15,000.00	
Future	SRCI Lower Lift Station - Design	Design based on findings of study. Assume 10% of est. construction cost.	Currently shows entire cost - cost could be split with SRCI. Working with SRCI on Contract. 2/6/20 Council approved Agreement - this will move to the SRCI Cap Fund.		50,000.00	
Future	SRCI Lower Lift Station - Construction	Construction improvement phase	Actual cost will depend on improvement selected. Cost for siphon construction was estimated by others at \$1M, but not verified. This design would require easement and new pipeline construction. This shows entire cost. Could include cost share with SRCI. \$50k is for design placeholder and \$100k is for construction placeholder for now. 1/20/20 Will likely move to the SRCI Cap Fund.			
Future	Phase 2 Security Upgrade	Phase 2: WWTP - increase camera coverage	Move visual scan out to fences. Adam working on Grant - maybe for this year. That might change this.			25,000.00
R - Future	Sludge Removal - Phase 1	Remove sludge from Lagoon 1; sludge has not been removed in over 20 years. May provide advantage to NPDES limit requirements if removed, especially with respect to Inorganic As. This is phase 1 - total estimated could be as high as \$2.2M, but this will allow for a start to the process. COULD CHANGE DEPENDING ON FACILITY PLAN and Biosolids Mgt Plan. JAN 2020 - LAGOON 1 STARTING TO HAVE TURNOVER ISSUES LIKELY DUE TO HIGH VOLUME OF SOLIDS.	This is part of discussion on NPDES; City has requested it NOT be included in the first 2 permit periods. Looking at Grant/Loan opportunities through One Stop Business Oregon et al. 1/20/20	1/20/20 Look at getting bid package done AND reviewing the land application option; \$50k total - \$35 for design and \$15k for land ap coordination	2,300,000.00	
	CHLORINE ANALYZER	NPDES REQUIREMENT - NEED TO BE ABLE TO READ 0.0	MAX ALLOWABLE OUTPUT IS 0.05 (WE CAN CURRENTLY READ ONLY TO 0.02)		15,000.00	
Future	SO2 System Upgrade	This provides dechlorination	currently have to call fire department in to relocate 1 T gas cylinder; changed out every 6 weeks. Need more accurate estimate. JAN 2020 - WANT TO ELIMINATE SO2 SYSTEM.			75,000.00
				270,000.00	2,690,000.00	275,000.00
<b>Priority</b>	<b>Capital Project/Task</b>	<b>Description</b>	<b>Notes</b>	<b>FY 2019-20</b>	<b>FY 2020-21</b>	<b>FY 2021-22</b>
	<b>Stormwater Fund</b>					
1	Stormwater Repair	New catch basins and piping on S. Oregon to accommodate reconfigured ADA ramps and improve drainage through downtown.	JAN 2020 ROLL OVER AS NEEDED	50,000.00	50,000.00	
	24-INCH STORM SYSTEM at SW 4th Street/SW14th Ave	24-inch line gets plugged yearly	PW staff spends up to 6-12 weeks cleaning through the system on annual basis (estimated); inlet at bottom of farmer field collects excessive soil in 2 MH system. JAN 2020 - PROPOSE INLET PROTECTION SYSTEM TO REDUCE SEDIMENT ENTERING SYSTEM. 1/20/20 This is for design, bid, and build.		100,000.00	
	NE Americold area	NE 2nd and NE3rd Streets - coordinate with pavement project below	1/20/20 This is a pre-design combined with Streets project below. Looking at Biz Oregon or other finance process. The following year \$20k is for design		5,000.00	20,000.00
Future	Stormwater MAINLINE REPAIR	Ensure stormwater grates are clear	FY 2019 - REPAIRING SW 14TH AVE & S. PARK (WORKING ON BIDS NOW - HAVE 1 BID NEED MORE). ROLL-OVER AND ADD FUNDS - \$30,000;	30,000.00	50,000.00	20,000.00
				80,000.00	205,000.00	40,000.00
<b>Priority</b>	<b>Capital Project/Task</b>	<b>Description</b>	<b>Notes</b>	<b>FY 2019-20</b>	<b>FY 2020-21</b>	<b>FY 2021-22</b>
	<b>Streets - General Fund</b>					
0	ADA Compliance Project (Phase 1) (S OREGON)	S. Oregon from Idaho thru SW 4th intersection; review downtown plan in light of proposed repairs so we don't set up a situation where we have to rip new construction in near future. ROLL OVER	full width overlay with rebuilt ADA ramps and storm drain \$285,000 - built in 2 phases; assume \$23k survey and approx. \$50k design. Goes with the project below - Downtown Concrete work.	409,000.00	409,000.00	
	S OREGON CONTINGENCY FUND				100,000.00	

1	MECHANICAL Street Sweeper	2017 Perterbilt Elgin Street sweeper	2017 Eagle Street VIN#3BPPHM7X6HF590770	63,176.00	DONE!!!	
3	Annual Crackfill Program		This is an annual project. \$50k gives us the 40 pallets; combine with current year leftovers. Need \$25k this year.	25,000.00	60,000.00	60,000.00
4	Loader	Replace existing loader (has about 12,200 hours) Has about double the number of hours for standard turnover. Motor is shot - constantly needing repair (weak). Hydraulic system shot as well.	Estimate from Sourcewell (NJPA); 544 John Deere	165,000.00	DONE!!!	
5	Annual Chip and Overlay Program	Primaries and secondaries in order.	Inclusion in 2019/20 FY means application in 2020. Bid/Schedule oil and secure crusher by January prior. VERDE DRIVE, NW 8TH AVE (OR TO NW 9TH ST) & SW 9TH ST (SW 4TH AVE TO NW 8TH AVE).	150,000.00	150,000.00	150,000.00
	Pavement Management System	1/20/20 Betsy to contact The Dalles and find out who/what their PMS system is about - get estimate				
7	Street Repair	Americold intersection (and NE area NE 2nd and NE 3rd Streets Idaho to end of pavement)	Full depth repair at intersection for \$200k; entire area NE could use rehab (2nd and 3rd Streets worst) - could use a lot more (\$2M?); includes curb and gutter install repair; get some actual measurements on this 1/20/20 Pre design cost combined with \$5k from storm above.		15,000.00	200,000.00
	Sanding and Material bins at PW shop plus Pole Barn to replace Old Shop space	moving bins from old shop to new shop	surplusing the old shop land means more shop space needed at new PW shop; use existing quonset hut that is on-site but not constructed. JAN 2020 BUDGET INCLUDES CONTRACTOR TO ERECT EXISTING QUONSET FOR FUTURE USE. 1/20/20 Work with local contractor to get price to develop/erect this project. This cost currently includes concrete floor and walls, and 30x90 pole barn for equipment from old shop.		250,000.00	
	haul sweeper solids	must go to landfill	JAN 2020 - THIS HAS BEEN ACCUMULATING FOR 5+ YEARS		50,000.00	
	snowplow	replacement program	currently have 2 10 YD trucks that will need replacement in the near future (203 and 205); first to be replaced will be 205 (purchase used from ACHD in about 2010).			175,000.00
	Rubber tired roller for Chip Seal	Kawasaki (this can be purchased used); internal water tank is rusted out; transmission is shot. Currently out of commission. Water is critical to spray during chip seal. VEHICLE IS MORE THAN 20 YEARS OLD	Purchase used roller; coordinate with RR District in short term for support		50,000.00	
Future	Back Parking Lot improvements	Grease dumpster enclosures & screen	3 at \$11,000 - less decorative could be less expensive.		35,000.00	
	ODOT Signal Upgrades	The City owns 7 signals through town. Through agreement, ODOT maintains the signals. They have not been upgraded in quite some time, and ODOT has added them to the list for this coming year.	Work would include: New control cabinets (6 - one of the cabinets is adequate) with new controllers in (7) (\$73k); and standard reflectorized back grounds around the signal lights - all 7 intersections (\$17.5k)		90,500.00	
Future	VACUUM whirlwind sweeper	New purchase for replacement of 2002 piece of equipment.	Clean catch basins, small stuff (leaves)			
				812,176.00	1,209,500.00	585,000.00

Priority	Capital Project/Task	Description	Notes	FY 2019-20	FY 2020-21	FY 2021-22
<b>Grant Matches</b>						
R	SE 2nd Street Grant	The 10.27 percent is the required match of \$331,174, and the City committed an extra \$214,384. So, for the purposes of calculating the ratio for under-runs, the project will share any savings at a ratio of 84.14% for the State, and 15.86% for the City.	This amount can be covered by the City's Fund Exchange dollars (gas tax). This includes \$75k for R/W and \$438,838 for construction. This can move directly from Fund Exchange to ODOT project. This is NOT reimbursement - this is pay ahead. JAN 2020 - ODOT ASKING FOR \$367K MORE. ALREADY PAID OVER \$500K. DO NOT BELIEVE THIS IS VALID. WORKING ON CLEARING THIS UP.	513,838.00	367,000.00	
R	TSP Grant	TSP grant amount unknown	Transportation System Plan Amendment match requirement is 12% min. The project officially starts July 1, 2019 and should take 13 months to complete. The City has committed to a match of \$21k. This can be a mixture of in-kind and cash. The full \$21k match is shown (worst case scenario). It is anticipated the effort in 20-21 will be minimal and likely will be in-kind.	21,900.00		
R	SE 5th Ave Grant App	This is a reimbursement project. City must cover cost initially and will be reimbursed by ODOT.	This amount can be covered by the City's Fund Exchange dollars (gas tax). Total project cost to run through City will be \$1M. JAN 2020 - THIS IS ON HOLD BECAUSE WE DO NOT KNOW WHAT FUNDING WE MAY HAVE AVAILABLE TO SUPPORT IT FROM THE FUND EXCHANGE - DUE TO USE ON SE 2ND STREET.	104,000.00		120,000.00
				639,738.	367,000.	120,000.
				3,107,914.	5,820,500.	3,718,000.

NOTES:  
The Fiscal Year we are planning for is 2019/20. The 2018/19 is shown only for carry forward in informational purposes.

Priority is provided in the Far-Left Column. 0 = Carry Over from last year  
1 on up = Priorities in order  
R = Regulatory requirement (DEQ requirement for NPDES permit or other)

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**Additional information emailed 2/19/2020:**

**From:** Roberts, Betsy/BOI <[Betsy.Roberts@jacobs.com](mailto:Betsy.Roberts@jacobs.com)>  
**Sent:** Wednesday, February 19, 2020 8:29 AM  
**To:** Mulvany, Suzanne/ONT <[Suzanne.Mulvany@jacobs.com](mailto:Suzanne.Mulvany@jacobs.com)>  
**Subject:** PW Committee Information - ODOT Signals

ODOT purchased ATC (Advanced Traffic Controllers) devices to be installed in the signal cabinets for the 9 signalized intersections that they maintain for the City. Their cost was approximately \$18k. They are now asking for funds from the City to install these. They expect that cost to be about \$5k total for all ATC's installed. This would be coming out of available funds from the General Fund or the Public Safety Fund. Kari/Adam are looking at the funds to determine where there may be some unused dollars.

ODOT also requested \$9,900 to purchase and install Reflectorized Signal Backgrounds. This was approved to be done and paid for under the Repairs budget.

The City has already purchased new LED lights for the RR Underpass. ODOT would like to install these. That cost is approximately \$3k and would come out of the same fund as the installation of the ATC's (General or Public Safety).

That is the limit of work to be done this current fiscal year. In the coming fiscal year, ODOT requested \$60k to update 6 controller cabinets (others are ok) at \$10k each. During the prioritization process through the departments, the recommendation was to install 2 controller cabinets per year or \$20k for then 3 years.

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**PROJECT UPDATES**

- **Beck Park Bridge** – Insured for \$80,000 but would only get that if it were a total loss. Still waiting on the adjuster.
- **Skyline / Malheur Farm Lease** – In front of the Council with two bids, Stipe and Wipple Springs LLC; Wipple Springs being the better proposal.
- **SE 2<sup>nd</sup> St project** – Will be completely done.
- **Airport** – Started and working on it now.
- **TVCC Trail** – Is getting ready to start.
- **Grants – CDBG and Biz Oregon** – Will be going in front of the Council with a public hearing. Need to do a notice and then public hearing to let them know we are going after these CDBG Grants for the following:
  - *Sanitary Sewer for NPDES*
    - a. *Environmental Assessment*
    - b. *Design*
  - *Senior Center Project Improvements*

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**ADJOURN**

**The motion was made by Mr. Fox seconded by Mr. Woodcock to Adjourn: Motion passed unanimously.**

**APPROVED:**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

(Bernie Babcock, Chairman / Scott Wilson, Vice-Chairman)