



City of Bandon

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Bandon by the Sea

CITY COUNCIL CONSENT AGENDA	DATE: 03-04-2024
SUBJECT: CONSOLIDATED MUNICIPAL UTILITY REPORT	ITEM NO: 3.8

BACKGROUND:

The accompanying Consolidated Municipal Utility Report is for January/February 2024 and provides reports from the three public utilities (enterprises).

FISCAL IMPACT:

Report Only

RECOMMENDATION:

Motion to approve as part of the Consent Calendar Items.

SUBMITTED BY:

DENISE RUSSELL, UTILITIES OFFICE MANAGER

ELECTRIC DEPT MONTHLY REPORT

February 27, 2024

The Electric Department is responsible for the safe distribution of power to the citizens of Bandon and the surrounding area. The duties include, as the budget and time permits:

- Maintaining overhead and underground power lines, substations, and metering systems.
- Building new lines, connecting new services, and undergrounding overhead lines within the city limits.

THIS MONTH'S WORK:

New Services

- The crew connected three new electrical services in February.
- There are 50 active bid packets on file. These projects have either paid planning fees or have an active building permit from the State. Future homes are waiting for the State Building Department to approve their building plans so they can start to build. A bid packet includes the cost for service setup, a map for conduit installation, digging instructions, and examples of the specifications required. Inquiries into the cost of power from prospective buyers of bare lots have slowed as have plans from planning.

Upcoming Projects and Updates

- The engineers are working on an Electric System Model that will lead to a System Coordination Study and a Cost-of-Service Study. The Cost-of-Service Study is a third-party study that will help the City determine where electric rates should be set. All these reports are overdue.
- The City is required by the PUC to test its power poles on a ten-year rotation to ensure they are uncompromised by rot or a number of other things. The inspected area included 300 poles from Beach Loop and Highway 101, North to 12th Street and Highway 101, of which ten need replacement. The crew has started to replace these power poles.
- The Electric Department is getting a new meter reading system because the old hardware is no longer supported by the vendor.

- We are also in the process of getting a new updated mapping system to use in our coordination study. The soft rollout will be at the end of March or early April.

Outages.

We had 2 unplanned outages in February.

Topics for discussion

The Electric Department is moving forward with the implementation of the new mapping software through Gartrell. The new mapping system will better track pole inspections, inventory, new construction, and maintenance issues, and get the information to the engineers to complete a coordination study. Operationally, this is a big step in improving and tracking everything.

Submitted By:



JIM WICKSTROM, ELECTRIC SUPERVISOR

CONSERVATION DEPARTMENT MONTHLY REPORT

January 2024

The City contracts with the Efficiency Services Group (ESG) to administer an energy savings program funded by Bonneville Power Administration (BPA). The City Conservation Department oversees and provides direction to ESG; and ESG processes all commercial, industrial, and residential rebates, performs all audits and inspections, and reports energy savings to BPA.

City staff assist customers by providing forms and answering questions. ESG provides a toll-free telephone number for technical questions and support. Once ESG staff assist customers with completing appropriate applications and paperwork, completes the audit(s) and/or inspection(s), paperwork is transferred to City staff to process and distribute rebates to customers.

In January, two energy efficiency rebates were distributed for residential HVAC systems. The total amount distributed in rebates was \$1,600.00.

Submitted by:



DENISE RUSSELL, UTILITIES OFFICE MANAGER

CITY COUNCIL CONSENT AGENDA	DATE 03-04-2024
SUBJECT: WATER TREATMENT PLANT	ITEM NO:

BACKGROUND:

Attached are the monthly reports for January 2024.

Due to a waterline break at Harvard Street Apartments, our water loss, as shown, is higher than average. It took three weeks to get the proper parts to repair the break in the waterline. As there is no accurate way to determine the amount of water leaking into the ground before it surfaced to the pavement, we can only estimate losses from the time the water surfaced until repairs were made. The conservative loss estimate is 30 gallons-per-minute, plus the loss on the day of the waterline repair, which totals an estimated water loss of 1,750,020 gallons. If you add that into the usage report it comes out to -17.59% loss instead of -31.27% loss.

FISCAL IMPACT:

The loss is \$2,275.00 at our current water rate of 0.0013 per gallon, plus parts and labor for the repair by Public Works.

RECOMMENDATION:

Motion to approve as part of the Consent Calendar Items.

SUBMITTED BY:

JIM YOURAVISH, WATER PLANT OPERATOR

City of Bandon Water Utility
 Annual Water Usage Report

Month	Gallons of Water Leaving Plant	Gallons of Water Backwashed	Gallons of Water Sold	Percent Loss
Feb-23	14,451,243	528,410	11,210,944	-19.48
Mar-23	11,634,654	754,901	9,461,461	-13.04
Apr-23	12,171,224	603,528	9,057,661	-21.70
May-23	12,588,393	602,963	9,223,932	-23.04
Jun-23	15,888,642	960,071	13,117,550	-12.13
Jul-23	18,910,932	1,118,357	14,305,910	-19.60
Aug-23	22,961,432	894,880	17,242,592	-21.86
Sep-23	23,198,342	745,256	20,604,903	-8.23
Oct-23	19,213,977	746,612	14,377,709	-22.15
Nov-23	16,592,727	596,949	11,983,074	-25.09
Dec-23	15,197,291	595,965	11,885,795	-17.87
Jan-24	13,377,961	445,494	8,748,973	-31.27
Total	196,186,818	8,593,386	151,220,504	- 19.62

Gallons of Water Discharged represents treated unmetered water that has been discharged by the City during the course of performing routine utility maintenance.

Per State water guidelines, water utilities should not exceed 15% water loss over the course of one year.

WATER TREATMENT PLANT ACTIVITY REPORT JANUARY 2024

PARAMETERS	WATER PLANT OPERATIONS	EPA ALLOWABLE LIMIT
WATER TREATED (GALLONS)	11,614,302	
DAILY AVERAGE (GALLONS)	374,655	
TREATED WATER LEAVING PLANT	13,562,037	
AVERAGE TURBIDITY(NTUs)	0.024	MAXIMUM 30
AVERAGE PH (7.00 IS NEUTRAL)	7.51	MINIMUM 7.1 LEAVING PLANT
AVERAGE CHLORINE RESIDUAL LEAVING PLANT (PPM)	0.65	MINIMUM 0.2 LEAVING PLANT. TRACE AT LAST CONNECTION MAXIMUM 4.0
WEEKLY FECAL COLIFORM AND E. COLI TEST	0 POSITIVE	0 POSITIVE FOR FECAL COLIFORM & E. COLI TAKEN IN DISTRIBUTION SYSTEM
<p>THE WATER TREATMENT PLANT MET ALL EPA REQUIREMENTS FOR THE MONTH OF JANUARY 2024.</p>		

CITY COUNCIL CONSENT AGENDA	DATE: 03-04-2023
SUBJECT: WASTEWATER TREATMENT PLANT	ITEM NO:

BACKGROUND:

Attached is the monthly Wastewater Plant activity report for January 2024. The City's Wastewater facility treated 20,231,000 gallons of wastewater this month, for an average of 653,000 gallons treated daily. All permit requirements were met for the month of January 2024.

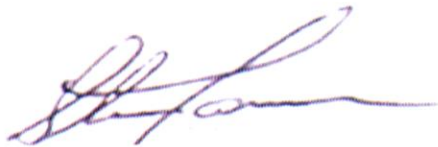
FISCAL IMPACT:

None

RECOMMENDATION:

Motion to approve as part of the Consent Calendar Items.

SUBMITTED BY:



STEVEN JAMES, TREATMENT PLANT OPERATOR

WASTEWATER PLANT ACTIVITY REPORT FOR DECEMBER 2023

TSS	Total suspended solids	PPM	Parts per million (same as MG/L)
INF	Influent-incoming untreated wastewater	MG/L	Milligrams per liter
EFF	Effluent - outgoing treated wastewater	MLS	Milliliters of water
BOD	Biochemical oxygen demand (strength of wastewater)		

Table 1: Treatment Plant Operations

PARAMETERS AND UNITS	MAXIMUM SUMMER DEQ PERMIT	MAXIMUM WINTER DEQ PERMIT	AVERAGE MONTHLY OPERATIONS
EFF BOD AVERAGE			
MG/L or PPM	20	30	6
POUNDS/DAY	75	110	28
EFF TSS AVERAGE			
MG/L or PPM	20	30	7
POUNDS/DAY	75	110	35
FECAL COLIFORM			
COLONIES/100 MLS	14	14	8
INF FLOW AVERAGE			
GALLONS/DAY			653,000
INF SOLIDS AVERAGE		DESIGN	RECEIVED
BOD POUNDS/DAY		1150	548
TSS POUNDS/DAY		1350	1023

*SUMMER MAY 1 -OCTOBER 31 **WINTER NOVEMBER 1 -APRIL 30

1. TREATMENT PLANT OPERATIONAL SYNOPSES

The Wastewater Plant has met all DEQ permits for the month of January 2024.