



# City of Bandon

555 Hwy 101, PO Box 67  
Bandon, OR 97411  
(541) 347-2437

*Bandon by the Sea*

<b>CITY COUNCIL CONSENT AGENDA</b>	<b>DATE: 05-06-2024</b>
<b>SUBJECT: CONSOLIDATED MUNICIPAL UTILITY REPORT</b>	<b>ITEM NO: 3.8</b>

## **BACKGROUND:**

The accompanying Consolidated Municipal Utility Report is for March/April 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:**

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**DENISE RUSSELL, UTILITIES OFFICE MANAGER**

## **ELECTRIC DEPT MONTHLY REPORT**

### **April 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 eight new electrical services in March.
- 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 third-party studies 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.

## **Outages.**

We had had no unplanned outages in April.

## **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:

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**JIM WICKSTROM, ELECTRIC SUPERVISOR**

## CONSERVATION DEPARTMENT MONTHLY REPORT

**April 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 March, three energy efficiency rebates were distributed for residential heating systems in the amount of \$3,280. There was one commercial lighting retrofit in the amount of \$4,927 for Bandon Supply. The total amount distributed in rebates was \$8,207.

Submitted by:



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**DENISE RUSSELL, UTILITIES OFFICE MANAGER**

<b>CITY COUNCIL CONSENT AGENDA</b>	<b>DATE 05-06-2024</b>
<b>SUBJECT: WATER TREATMENT PLANT</b>	<b>ITEM NO:</b>

**BACKGROUND:**

Attached are the monthly reports for March 2024. We are still working on the timeline for the report for more accuracy. As you can see, we are under 15% water loss. Public Works started flushing on 3/18/2024. We are recording approximate water use to show on next month's report for water loss.

**FISCAL IMPACT:**

**RECOMMENDATION:**

Motion to approve as part of the Consent Calendar Items.

**SUBMITTED BY:**

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**JIM YOURAVISH, WATER PLANT OPERATOR**

**City of Bandon Water Utility**  
 Annual Water Usage Report

<b>Month</b>	<b>Gallons of Water Leaving Plant</b>	<b>Gallons of Water Backwashed</b>	<b>Gallons of Water Sold</b>	<b>Percent Loss</b>
Apr-23	12,171,224	603,528	9,057,661	-20.62
May-23	12,588,393	602,963	9,223,932	-21.94
Jun-23	15,888,642	960,071	13,117,550	-11.40
Jul-23	18,910,932	1,118,357	14,305,910	-18.44
Aug-23	22,961,432	894,880	17,242,592	-21.01
Sep-23	23,198,342	745,256	20,604,903	-7.97
Oct-23	19,213,977	746,612	14,377,709	-21.28
Nov-23	16,592,727	596,949	11,983,074	-24.18
Dec-23	15,197,291	595,965	11,885,795	-17.87
Jan-24	13,377,961	445,494	8,748,973	-31.27
Feb-24	13,562,037	521,293	8,788,968	-31.35
Mar-24	11,573,062	518,974	9,365,364	-14.59
<b>Total</b>	<b>195,236,020</b>	<b>8,350,342</b>	<b>148,702,431</b>	<b>-19.56</b>

\*Note: Gallons of Water Discharged is unmetered water that has been treated and discharged by the City during the course of performing routine facility maintenance.

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

# WATER TREATMENT PLANT ACTIVITY REPORT FEBRUARY 2024

PARAMETERS	WATER PLANT OPERATIONS	EPA ALLOWABLE LIMIT
WATER TREATED (GALLONS)	12,568,081	
DAILY AVERAGE (GALLONS)	405,422	
TREATED WATER LEAVING PLANT	13,978,001	
AVERAGE TURBIDITY(NTUs)	0.029	MAXIMUM 30
AVERAGE PH (7.00 IS NEUTRAL)	7.55	MINIMUM 7.1 LEAVING PLANT
AVERAGE CHLORINE RESIDUAL LEAVING PLANT (PPM)	0.68	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>		

<b>CITY COUNCIL CONSENT AGENDA</b>	<b>DATE: 05-06-2023</b>
<b>SUBJECT: WASTEWATER TREATMENT PLANT</b>	<b>ITEM NO:</b>

**BACKGROUND:**

Attached is the monthly Wastewater Plant activity report for March 2024.

The City's Wastewater facility treated 25,653,000 gallons of wastewater this month, for an average of 828,000 gallons treated daily. All permit requirements were met for the month of March 2024.


**FISCAL IMPACT:**

None

**RECOMMENDATION:**

Motion to approve as part of the Consent Calendar Items.

**SUBMITTED BY:**



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**STEVEN JAMES, TREATMENT PLANT OPERATOR**



<b>WASTEWATER PLANT ACTIVITY REPORT FOR MARCH 2024</b>			
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)		
<b>Table 1: Treatment Plant Operations</b>			
PARAMETERS AND UNITS	MAXIMUM SUMMER DEQ PERMIT	MAXIMUM WINTER DEQ PERMIT	AVERAGE MONTHLY OPERATIONS
<b>EFF BOD AVERAGE</b>			
MG/L or PPM	20	30	8
POUNDS/DAY	75	110	49
<b>EFF TSS AVERAGE</b>			
MG/L or PPM	20	30	8
POUNDS/DAY	75	110	58
<b>FECAL COLIFORM</b>			
COLONIES/100 MLS	14	14	6
<b>INF FLOW AVERAGE</b>			
GALLONS/DAY			828,000
<b>INF SOLIDS AVERAGE</b>		<b>DESIGN</b>	<b>RECEIVED</b>
BOD POUNDS/DAY		1150	797
TSS POUNDS/DAY		1350	1230
*SUMMER MAY 1 -OCTOBER 31 **WINTER NOVEMBER 1 -APRIL 30			
1. TREATMENT PLANT OPERATIONAL SYNOPSIS			
The Wastewater Plant has met all DEQ permits for the month of March 2024.			