



City of Bandon

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Bandon by the Sea

CITY COUNCIL CONSENT AGENDA	DATE: 08-05-2024
SUBJECT: CONSOLIDATED MUNICIPAL UTILITY REPORT	ITEM NO: 3.8

BACKGROUND:

The accompanying Consolidated Municipal Utility Report is for June/July 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

July 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:

- The crew connected two (2) new electrical services in July.
- There are forty (40) 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 several NESC violations. We had our east circuit poles inspected and found thirty (30) poles that need to be replaced. Several of the poles are in a Tribal Archaeological site on Riverside Drive. We will be working with the Tribe to get the line rebuilt.

Outages.

We had two (2) unplanned outages in July.

Topics for discussion

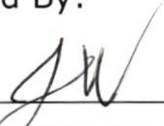
The Electric Department is moving forward with the implementation of the new mapping software through Gartrell. The new mapping system will better track pole inspections, inventory, new construction, and maintenance issues,

and get the information to the engineers to complete a coordination study. Operationally, this is a big step in improving and tracking everything.

As of July 8, 2024, all our circuits have been placed in a non-reclose position. This is part of our fire mitigation plan. Under normal operating conditions, Bandon Power's breakers are set to open and close two times for incidental faults, like a tree branch falling into the line, before remaining open for a more permanent fault. Our circuits will remain in a non-reclose position until fire season is over.

I wanted to inform the Council that I will be retiring the end of August. I am recommending Kevin Ranegar to take my place as Electric Department Supervisor. I have total confidence in Mr. Ranegar and the crew of the Electric Department to continue to provide reliable safe power for our electric customers. It has been a pleasure working for the City all of these years.

Submitted By:



JIM WICKSTROM, ELECTRIC SUPERVISOR

CONSERVATION DEPARTMENT MONTHLY REPORT

June 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 June, there were no efficiency rebates.

Submitted by:



DENISE RUSSELL, UTILITIES OFFICE MANAGER

CITY COUNCIL CONSENT AGENDA	DATE 08-05-2024
SUBJECT: WATER TREATMENT PLANT	ITEM NO:

BACKGROUND:

Attached are the monthly reports for June 2024. We have officially started the Ferry Creek Dredging Project. The Dam boards have been removed, the de-watering and diversion process has begun, led by ODFW. We are now pumping raw water from our downstream bypass pump station.

FISCAL IMPACT:

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
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
Apr-24	13,978,001	592,091	10,934,545	-17.54
May-24	15,157,883	1,038,051	11,375,061	-18.11
Jun-24	16,367,092	1,183,796	12,267,123	-17.82
Total	200,090,737	8,997,718	151,880,017	- 19.60

*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 MAY 2024

PARAMETERS	WATER PLANT OPERATIONS	EPA ALLOWABLE LIMIT
WATER TREATED (GALLONS)	18,546,287	
DAILY AVERAGE (GALLONS)	618,210	
TREATED WATER LEAVING PLANT	18,652,741	
AVERAGE TURBIDITY(NTUs)	0.034	MAXIMUM 30
AVERAGE PH (7.00 IS NEUTRAL)	7.74	MINIMUM 7.1 LEAVING PLANT
AVERAGE CHLORINE RESIDUAL LEAVING PLANT (PPM)	0.66	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 JUNE 2024.</p>		

CITY COUNCIL CONSENT AGENDA	DATE: 07-01-2024
SUBJECT: WASTEWATER TREATMENT PLANT	ITEM NO:

BACKGROUND:

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

The City's Wastewater facility treated 13,078,000 gallons of wastewater this month, for an average of 436,000 gallons treated daily. All permit requirements were met for the month of June 2024.

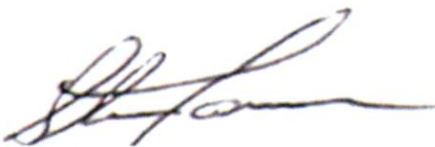
FISCAL IMPACT:

None

RECOMMENDATION:

Motion to approve as part of the Consent Calendar Items.

SUBMITTED BY:



STEVEN JAMES, TREATMENT PLANT OPERATOR

WASTEWATER PLANT ACTIVITY REPORT FOR MAY 2024			
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	10
POUNDS/DAY	75	110	27
EFF TSS AVERAGE			
MG/L or PPM	20	30	8
POUNDS/DAY	75	110	23
FECAL COLIFORM			
COLONIES/100 MLS	14	14	8
INF FLOW AVERAGE			
GALLONS/DAY			436,00
INF SOLIDS AVERAGE		DESIGN	RECEIVED
BOD POUNDS/DAY		1150	775
TSS POUNDS/DAY		1350	1117
*SUMMER MAY 1 -OCTOBER 31 **WINTER NOVEMBER 1 -APRIL 30			
1. TREATMENT PLANT OPERATIONAL SYNOPSSES			
The Wastewater Plant has met all DEQ permits for the month of June 2024.			