

City of Bandon

CITY COUNCIL AGENDA DOCUMENTATION	DATE: December 5, 2022
SUBJECT: Consolidated Municipal Utility Report	ITEM NO: 6.3.8

BACKGROUND:

The accompanying Consolidated Municipal Utility Report provides reports and information for the three public utilities (enterprises) of the City of Bandon. Reports from the Electric, Conservation, Water and Wastewater Utilities are provided.

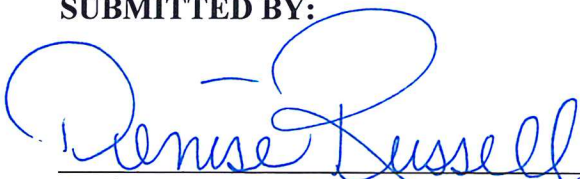
FISCAL IMPACT:

Report only

RECOMMENDATION:

Informational report to be approved as part of the consent agenda.

SUBMITTED BY:



Denise Russell, Utility Office Manager

City of Bandon

CITY COUNCIL AGENDA DOCUMENTATION	DATE: December 5, 2022
SUBJECT: Staff Report – Wastewater Plant	

BACKGROUND:

Find attached the monthly Wastewater Plant activity report for October 2022.

The City's Wastewater facility treated 8,121,000 gallons of wastewater this month, for an average of 262,000 gallons treated daily. All permit requirements were met for the month of October 2022.

FISCAL IMPACT:

None.

RECOMMENDATION:

Motion to approve as part of the Consent Agenda.

SUBMITTED BY:



Steve James, Treatment Plant Operator

WASTEWATER PLANT ACTIVITY REPORT FOR OCTOBER 2022

TSS	Total suspended solids	PPM	Parts per million
INF	Influent - incoming untreated wastewater	MG/L	Milligrams per liter (same as PPM)
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/Lor PPM	20	30	6
POUNDS/DAY	75	110	13
EFF TSS AVERAGE			
MG/Lor PPM	20	30	5
POUNDS/DAY	75	110	10
FECAL COLIFORM			
COLONIES/100 MLS	14	14	9
INF FLOW AVERAGE			
GALLONS/DAY			262,000
INF SOLIDS AVERAGE		DESIGN	RECEIVED
BOD POUNDS/DAY		1150	631
TSS POUNDS/DAY		1350	766

*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 October 2022.

City of Bandon

STAFF REPORT TO CITY COUNCIL

November 15, 2022

SUBJECT: WATER TREATMENT PLANT

ITEM NO:

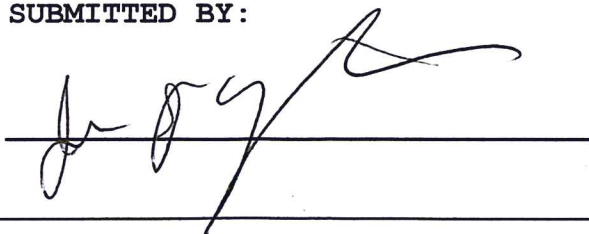
BACKGROUND

Attached are the monthly reports for October 2022.

FISCAL IMPACT:

RECOMMENDATION:

SUBMITTED BY:



Jim Youravish

WATER PLANT OPERATOR

Printed Name & Title

WATER TREATMENT PLANT ACTIVITY REPORT FOR OCTOBER 2022

PARAMETERS	WATER PLANT OPERATIONS	EPA ALLOWABLE LIMIT
WATER TREATED (GALLONS)	17,033,305	
DAILY AVERAGE (GALLONS)	549,461	
TREATED WATER LEAVING PLANT	18,012,443	
AVG. TURBIDITY (NTU'S)	.041	MAX. .30
AVG. P.H. (7.00 IS NEUTRAL)	7.60	MIN. 7.1 LEAVING PLANT
AVG. CHLORINE RESIDUAL LEAVING PLANT (PPM)	.63	MIN .2 LEAVING PLANT. TRACE AT LAST CONNECTION
		MAX 4.0
WEEKLY FECAL COLIFORM AND E. COLI TEST	0 POSITIVE	0 POSITIVE FOR FECAL COLIFORM AND E. COLI TAKEN IN DISTRIBUTION SYSTEM

THE WATER TREATMENT PLANT MET ALL EPA REQUIREMENTS FOR THE MONTH OF OCTOBER 2022

ANNUAL WATER USEAGE

September-22	GALLONS OF WATER LEAVING PLANT	GALLONS OF WATER SOLD	% LOSS
November-2021	12,834,163	12,032,490	-6.25
December-2021	13,473,081	13,449,562	-0.17
January-2022	12,460,539	9,749,645	-21.76
February-2022	13,463,062	9,411,894	-30.09
March-2022	12,575,303	11,907,900	-5.31
April-2022	15,328,214	20,271,339	32.25
May-2022	13,469,439	10,039,896	-25.46
June-2022	13,753,526	10,847,975	-21.13
July-2022	15,709,096	14,025,309	-10.72
August-2022	21,701,896	15,386,906	-29.10
September-2022	22,265,091	22,269,169	0.02
October-2022	18,845,905	15,426,766	-18.14
TOTAL	185,879,315	164,818,851	-11.33

ELECTRIC DEPT MONTHLY REPORT

November 2022

The electric department is responsible for the safe distribution of power to the citizens of Bandon and the surrounding area. The duties include maintaining overhead and underground power lines, substations, and metering systems, as well as building new lines, connecting new services, and undergrounding overhead lines within the city limits, as budget and time permits.

WORK BEING DONE THIS MONTH:

New Services

- The Crew has connected 5 new electrical services in November. I have 85 active bid packets on file. These are people that have 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, a map for conduit installation, digging instructions, and examples of the specs we require. I have had several inquiries into the cost of power for prospective buyers of bare lots.

Upcoming Projects and Updates

- I am in the processes of getting new light heads and bases for old town lights. I am also going to bid on painting this spring.
- I am in the process of getting an Electric System Model leading to a System Coordination Study and eventually a Cost-of-Service Study. All these reports are overdue. The Cost-of-Service Study is a third-party study that will tell the City where rates should be set.
- The City is required to test its power poles to make sure they are not compromised by rot or by a number of other things. All the poles need to be tested on a ten-year cycle. We had 300 poles tested and treated from Beach Loop and 101, North to 12th Street and 101. Ten poles need to be replaced in that area. The crew will start the work next month.
- I would like to acknowledge my Crew for their commitment to the City of Bandon electric. It is no small thing that they make themselves available at almost any time to respond to outages and electrical emergencies.

Outages

We have had one unplanned outage in the month of November

TOPICS FOR DISCUSSION PLEASE READ

- Lead times for materials and equipment continue to get longer and prices are continuing to go up. Transformers are two years out and there is an industry shortage of electric meters for both auto-read and analog meters. It is a challenge trying to balance the parts it takes for new construction and having parts on hand in case of an unforeseen event.
- Inflation is taking its toll as it applies to paying for maintenance of the electric department. Higher cost for materials and labor needs to be addressed through an electrical rate increase. I am working with Stoddard engineering to get a cost-of-service study for electric rates so we can put an increase of electric rates on the ballot.

Submitted By:



Jim Wickstrom, *Electric Department Supervisor*

Conservation Department Monthly Report

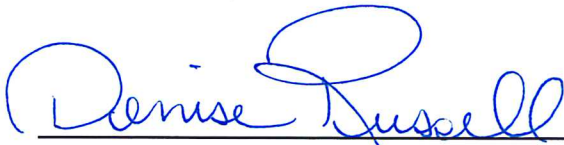
October 2022

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 October, one energy efficiency rebate was distributed which totaled \$640.00. The rebate was for a residential ductless heater. The City is currently working with ESG to increase program exposure for the citizens of Bandon.

Submitted by:



Denise Russell, Utility Office Manager
