

City of Bandon

CITY COUNCIL AGENDA DOCUMENTATION	DATE: January 3 rd , 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:



Brittany Morgan, Utility Office Manager

ELECTRIC DEPT MONTHLY REPORT

DECEMBER 2021

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

Work being done this month:

NEW SERVICES

- The Crew has connected 3 new electrical services for the month of December. I have 72 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 cost for service, map for conduit installation, digging instructions and examples of the specs we require. I have had several inquiries into the cost for power for prospective buyers of bare lots.

UPCOMING PROJECTS AND UP DATES

- The Electric department purchased a skid steer mowing machine to address right of way maintenance and gorse abatement. The Crew continues to mow and trim trees in right of way. After we mow, we keep track of areas so we can spray the new growth at the appropriate time to ensure a good kill.
- I am looking into the places in the electric system that there are direct buried wires (wire not in conduit). This wire was installed forty years ago and has out lived its life span. Replacing these areas of direct buried cable can coincide with new construction. As lots are being developed, working with property owners to make upgrades is beneficial for the City as well as for property owners of new and existing homes.
- Update: I am working with property owners to replace direct bury wire at 4,000 Beach Loop Road. I am in the process of obtaining an easement across private property eliminating 400 feet of direct bury cable and transformer.
- 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. I do not take their loyalty, professionalism or commitment lightly.

OUTAGES

We have had a few scattered outages due to high winds and lightening. Even if power lines are clear by thirty feet, a seventy foot tree can topple and take out the line in high winds.

TOPICS FOR DISCUSSION PLEASE READ!!!

- Lead times for material and equipment continue to get longer as well as prices continuing to go up. Transformers are two years out and there is an industry shortage of electric meters, auto read meters as well as analog. It is a challenge trying to balance parts it takes for new construction and having parts on hand in case of an unforeseen event. If there are any questions concerning the City's Electrical Department operations you can e-mail me at electric@cityofbandon.org.

Submitted By:

Jim Wickstrom, Electric Department Supervisor

CONSERVATION DEPARTMENT MONTHLY REPORT

November 2021

The conservation department oversees the monthly report from Efficiency Services Group (ESG) which tracks all commercial, industrial, and residential audits, inspections, and rebates. ESG also reports all energy savings to BPA.

We offer assistance, in-house, by having rebate forms available, answering questions, or if it gets too technical, we offer them a toll-free number for additional assistance from ESG staff. After the final inspection is complete, we will process a rebate to the customer.

Total of processed rebates for the month of November were **\$640.00**:

Residential Ductless Heat Pump Rebate

- One rebate was paid out for a residential ductless heat pump this month, for a Single-Family home. The home had zonal heat for a rebate of \$640.

Submitted By:


Brittany Morgan, Utility Office Manager

City of Bandon

STAFF REPORT TO CITY COUNCIL

12/07/2021

SUBJECT: WATER TREATMENT PLANT

ITEM NO:

BACKGROUND

Attached are the monthly reports for November 2021. We had the heating system fail and had to replace the entire system due to age. We replaced it with a ductless system as it was the most cost effective.

FISCAL IMPACT:

\$4570.00

RECOMMENDATION:

SUBMITTED BY:

Jim Youravish

WATER

PLANT

OPERATOR

Printed Name & Title

ANNUAL WATER USEAGE

November-21	GALLONS OF WATER LEAVING PLANT	GALLONS OF WATER SOLD	% LOSS
December-2020	13,374,212	14,999,261	12.15
January-2021	12,410,913	9,715,297	-21.72
February-2021	11,651,061	9,478,465	-18.65
March-2021	11,179,049	10,465,291	-6.38
April-2021	11,844,492	10,611,758	-10.41
May-2021	14,624,321	11,148,416	-23.77
June-2021	16,960,297	13,105,966	-22.73
July-2021	18,292,475	19,555,480	6.90
August-2021	20,632,624	16,459,401	-20.23
September-2021	16,781,594	18,907,177	12.67
October-2021	13,955,359	17,355,315	24.36
November-2021	12,834,163	12,032,490	-6.25
TOTAL	174,540,560	163,834,317	-6.13

WATER TREATMENT PLANT ACTIVITY REPORT FOR NOVEMBER 2021

PARAMETERS	WATER PLANT OPERATIONS	EPA ALLOWABLE LIMIT
WATER TREATED (GALLONS)	13,819,668	
DAILY AVERAGE (GALLONS)	460,656	
TREATED WATER LEAVING PLANT	13,473,081	
AVG. TURBIDITY (NTU'S)	.045	MAX. .30
AVG. P.H. (7.00 IS NEUTRAL)	7.67	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 NOVEMBER 2021

City of Bandon

CITY COUNCIL AGENDA DOCUMENTATION	DATE: January 3 rd , 2022
SUBJECT: Staff Report – Wastewater Plant	

BACKGROUND:

Find attached the monthly Wastewater Plant activity report for November 2021.

The City's Wastewater facility treated 9,915,000 gallons of wastewater this month, for an average of 332,000 gallons treated daily. All permit requirements were met for the month of November 2021.

FISCAL IMPACT:

RECOMMENDATION:

Motion to approve as part of the Consent Agenda.

SUBMITTED BY:



Steve James, Treatment Plant Operator

WASTEWATER PLANT ACTIVITY REPORT FOR NOVEMBER 2021

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/L or PPM	20	30	9
POUNDS/DAY	75	110	24
EFF TSS AVERAGE			
MG/L or PPM	20	30	11
POUNDS/DAY	75	110	27
FECAL COLIFORM			
COLONIES/100 MLS	14	14	6
INF FLOW AVERAGE			
GALLONS/DAY			332,000
INF SOLIDS AVERAGE		DESIGN	RECEIVED
BOD POUNDS/DAY		1150	982
TSS POUNDS/DAY		1350	1227

*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 November 2021.