

# Municipal Water Management and Conservation Plan (WMCP) Five-Year Progress Report

## Update on Implementation of Water Conservation Measures and Water Use

*OAR 690-086-0120(4)*

**Date:** 2/13/2025

**Name of Water Supplier:** City of Rockaway Beach

**Name of Contact and Title:** Dan Emerson, Public Works Superintendent

**Mailing Address:** P.O. Box 5 Rockaway Beach, OR 97136

**E-Mail Address:** publicworks@corb.us

**Date through which the WMCP is in effect:** 2036

**Instructions:** In the spaces below, please provide information to address each of the WMCP five-year progress report elements required under OAR 690-086-0120(4).

- Describe your progress made in implementing the five-year conservation benchmarks established in your approved WMCP** See OAR 690-086-0120(4)(a).

**Progress Report for Conservation Benchmarks Listed in the WMCP**

Conservation Measures Required of ALL water suppliers. OAR 690-086-0150(4)		
Conservation measure		Status / Progress Made
1.	Water Audit	The City is currently doing their water audits as a part of this progress report.
2.	Fully Metered System	The system is fully metered.
3.	Meter Testing & Replacement	Water meters are replaced as needed, no exact tally is recorded of the total number.
4.	Water Rate Structure	The water rate structure is based on consumption amounts plus a base rate.
5.	Line and Leak Detection Program to Reduce Water Loss Below 10%	The City is currently scheduled to perform leak detection throughout 2025 as funds become available.

6.	Public Education	The City's primary public education is their new website.
7.	Technical and Financial Assistance	The City has partnered with Community Action Resource Enterprise to provide these services to residents.
8.	Retrofit/Replacement of Inefficient Fixtures	The City has not had the resources to start this yet.
9.	Conservation Based Rate Structure	The water rate structure is based on consumption amounts plus a base rate.
10.	Water Reuse	The City has not further considered this as there is limited opportunity for reuse within the City as discovered in previous efforts to look into it.
11.	Other Measure(s) to Improve Water Use Efficiency	Please see below for City specific requirements from the WMCP. They have also put a voluntary curtailment plan on water bills to encourage conservation.
<b>Programs specified in the WMCP</b>		
12.	School Conservation Programs	The City has not had the resources to start this yet.
13.	A conservation website	There is a webpage up right now and the City added to it. <a href="https://corb.us/water-conservation/">https://corb.us/water-conservation/</a>
14.	Distribution of water conservation brochures	The City will be putting a note to see the new conservation website on water bills starting Q1 2025. The City believes this is more inline with current technology, and how to better reach users in 2025 than paper flyers, but accomplishes the same purpose.
15.	Article in City Newspaper	The City will include a reference to the Water Conservation website with the next City Newsletter. The City Newsletter goes every quarter, anticipated start date is February 2025. The City does not appear to have a paper in 2025, so the newsletter is serving this purpose.
16.	Post Conversation Signage	The City will take brochures that are on website, print them, and deliver them to City offices around town. Anticipated to start program by 2025.
17.	Radio or tv ads	The City has not had the resources to start this, but also isn't prioritizing it because it is outdated technology and is prioritizing things it thinks will reach people better with current technology.
18.	Ordinance regarding water waste	The City has an ordinance called Ord. 53.33 title "Wastage".

**Average Monthly and Average Daily Withdrawals by Water Right – Please include EACH water right.  
OAR 690-086-0120(4)(b): average monthly and average daily diversion under each water right held  
 by the water supplier for the previous five years. Please copy and paste to add additional tables.**

YEAR: 2024									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
S61833	S46245	T11986	6/24/81	Jetty Creek	1	131.334	10.945	0.359	0.555
					448				

YEAR: 2023									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
S61833	S46245	T11986	6/24/81	Jetty Creek	1	132.035	11.003	0.362	0.560
					448				

YEAR: 2022									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
S61833	S46245	T11986	6/24/81	Jetty Creek	1	129.672	10.806	0.355	0.550
					448				

YEAR: 2021									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
S61833	S46245	T11986	6/24/81	Jetty Creek	1	129.545	10.795	0.355	0.549
					448				

YEAR: 2020									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
S61833	S46245	T11986	6/24/81	Jetty Creek	1	121.709	10.142	0.333	0.515
					448				

YEAR: 2020-2024									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
S21838	S17176	26097	7/31/46	McMillan Creek	0.26 116	No water use	No water use	No water use	No water use
YEAR: 2020-2024									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
S31294	S25396	30421	3/17/58	McMillan Creek	0.26 116	No water use	No water use	No water use	No water use

YEAR: 2020-2024									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
S33260	S26296	30423	7/30/59	McMillan Creek	0.5 224	No water use	No water use	No water use	No water use

YEAR: 2020-2024									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
S1785	S925	2201	10/18/1911	Heitmiller Creek	2.5 1120	No water use	No water use	No water use	No water use

YEAR: 2020-2024									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
S37408	S27861	38987	2/16/1962	Heitmiller Creek	0.5 224	No water use	No water use	No water use	No water use

YEAR: 2020-2024									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
S2085	S1081	936	2/15/1912	Spring Creek Steinhilber Creek	0.5 224	No water use	No water use	No water use	No water use

YEAR: 2020-2024									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
S155	S51	2386	6/10/81	Rock Creek	5 2240	No water use	No water use	No water use	No water use

YEAR: 2024									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
G9809	G9365	82449	6/10/1981	Jetty Creek West Well	0.78 350	4.871	0.406	0.13	0.021

YEAR: 2023									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
G9809	G9365	82449	6/10/1981	Jetty Creek West Well	0.78 350	12.350	1.029	0.034	0.052

YEAR: 2021									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
G9809	G9365	82449	6/10/1981	Jetty Creek West Well	0.78 350	6.911	0.576	0.019	0.029

YEAR: 2023									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
G9809	G9365	82449	6/10/1981	Jetty Creek East Well	25.5 2003	5.350	0.446	0.915	0.023

YEAR: 2020-2024									
App.No.	Permit No.	Certificate No.	Priority Date	Source	Authorized Rate CFS MGD	Annual Withdrawal (mg)	Avg Monthly Withdrawal (mg/month)	Avg Daily Withdrawal (mg/d)	Avg Daily Withdrawal (cfs)
G15716	G15325	None	2/28/2002	A well in McMillan Creek Basin (Manhattan Well)	.223 100	No water use	No water use	No water use	No water use

**OAR 690-086-0120(4)(c) A description of the results of the annual water audit required under OAR 690-086-0150(4)(a).**

**Water Loss Quantifications:**

Table 4 – Water Loss Quantifications					
Year	Diverted	Metered Sold	Backwash/Flushing	Water Loss	Loss %
2020	127.196	91.112	10.103	25.981	20%
2021	134.798	78.562	10.553	45.683	34%
2022	128.483	72.794	10.553	45.136	35%
2023	150.279	81.968	11.243	57.068	38%
2024	139.665	79.062	11.253	49.350	35%
<b>Annual Average</b>	136.084	80.6996	10.741	44.644	33%

Table in Million Gallons (MG)

**CITY Water Use Characteristics:**

**PLEASE NOTE – YOUR WMCP MIGHT HAVE DIFFERENT Sectors – PLEASE CONSULT YOUR PLAN.**

**OAR 690-086-0120(4)(d) A comparison of the water used in each sector as identified and described in OAR 690-086-0140(6) with the quantities of water used in each sector for the previous five years.**

YEAR: 2020			
	Annual Usage	Average Daily Usage	% of Total
Residential	82.227	0.225	81%
Non-Residential	8.885	0.024	9%
Backwash	8.850	0.024	9%
Other	1.253	0.003	1%
<b>Total</b>	101.215	0.277	100%

Table in Million Gallons (MG)

**YEAR: 2021**

	<b>Annual Usage</b>	<b>Average Daily Usage</b>	<b>% of Total</b>
<b>Residential</b>	69.32	0.190	78%
<b>Non-Residential</b>	9.242	0.025	10%
<b>Backwash</b>	9.300	0.025	10%
<b>Other</b>	1.253	0.003	1%
<b>Total</b>	89.115	0.244	100%

Table in Million Gallons (MG)

<b>YEAR: 2022</b>			
	<b>Annual Usage</b>	<b>Average Daily Usage</b>	<b>% of Total</b>
<b>Residential</b>	63.552	0.174	76%
<b>Non-Residential</b>	9.242	0.025	11%
<b>Backwash</b>	9.300	0.025	11%
<b>Other</b>	1.253	0.003	2%
<b>Total</b>	83.347	0.228	100%

Table in Million Gallons (MG)

<b>YEAR: 2023</b>			
	<b>Annual Usage</b>	<b>Average Daily Usage</b>	<b>% of Total</b>
<b>Residential</b>	71.064	0.195	76%
<b>Non-Residential</b>	10.904	0.030	12%
<b>Backwash</b>	9.990	0.027	11%
<b>Other</b>	1.253	0.003	1%
<b>Total</b>	93.211	0.255	100%

Table in Million Gallons (MG)

<b>YEAR: 2024</b>			
	<b>Annual Usage</b>	<b>Average Daily Usage</b>	<b>% of Total</b>
<b>Residential</b>	68.815	0.188	76%
<b>Non-Residential</b>	10.247	0.028	11%
<b>Backwash</b>	10.000	0.027	11%
<b>Other</b>	1.253	0.003	1%
<b>Total</b>	90.315	0.247	100%

Table in Million Gallons (MG)