



Date Submitted: 6/9/2021

## Water Use Efficiency Annual Performance Report - 2020

WS Name: COUPEVILLE TOWN OF

Water System ID# : 15550                      WS County: ISLAND

Report submitted by: *Joseph Grogan*

### Meter Installation Information:

Estimate the percentage of metered connections:    *100%*

If not 100% metered – Did you submit a meter installation plan to DOH?    *No*

Within your meter installation plan, what date did you commit to completing meter installation?

Current status of meter installation:

### Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period            *01/01/2020* To *12/31/2020*

Incomplete or missing data for the year?    *No*

If yes, explain:

<b>Total Water Produced &amp; Purchased (TP)</b> – Annual volume gallons	93,612,913 gallons	
<b>Authorized Consumption (AC)</b> – Annual Volume in gallons	91,718,883 gallons	
Distribution System Leakage – Annual Volume TP – AC	1,894,030 gallons	
Distribution System Leakage – DSL = [(TP – AC) / TP] x 100 %	2.0 %	
3-year annual average - %	11.4 %	<i>2018, 2019, 2020</i>

### Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal:    *11/22/2016*

Has goal been changed since last performance report?    *No*

*Note: Customer goal must be re-established every 6 years through a public process.*

### Customer WUE Goal (Demand Side):

*The water efficiency goal established in previous water system plans is not to exceed a maximum day demand of 474 gallons per day per ERU. Periodically, water usage in selected single family homes representative of the Town's customers is monitored daily during warm, dry weather. Since summer weather patterns establish suitable periods for monitoring, yearly data is not meaningful. Currently monitoring will occur every three to four years and may include several monitoring days over a summer.*

### Customer (Demand Side) Goal Progress:

## Additional Information Regarding Supply and Demand Side WUE Efforts

### Describe Progress in Reaching Goals:

- Estimate how much water you saved.
- Report progress toward meeting goals within your established timeframe.
- Identify any WUE measures you are currently implementing.
- If you established a goal to maintain a historic level (such as maintaining daily consumption at 65 gallons per person per day for the next two years) you must explain why you are unable to reduce water use below that level.

The following questions will help DOH better understand water usage, water resources management and drought response. The data will be used to provide technical assistance, not for regulatory purposes.

### All questions are voluntary

Month	Date of Measurement	Static Water Level (feet below measuring point)	Dynamic Water Level (feet below measuring point)
January	01/31/2020		141.1
February	02/29/2020		143.3
March	03/31/2020		143.5
April	04/30/2020	129.3	
May	05/31/2020		
June	06/30/2020		
July	07/31/2020		
August	08/31/2020		
September	09/30/2020		
October	10/31/2020		
November	11/30/2020		142.5
December	12/31/2020		142.0

### Water level data:

Please provide the following information (if known) to help us better utilize the water level data.

Well tag Id number: AFT338

Well depth: 200.0

Water level accuracy (within 0.01 ft < 1 ft ~ 1 ft) 0.1

Completion type (e.g., cased open interval, cased open-ended, cased open-ended with perforations, etc...) cased open-ended with perforations

Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft) 48.192.33-- 122.637.99

Water level parameter name (e.g. depth below measuring point, depth below top of casing, depth below ground surface) below top of casing

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7) 190

### Monthly/Seasonal Water Usage:

What was your maximum daily water demand for the previous year (in gallons per day)? 430,300

Month	Volume of Water Produced in gallons
January	8,264,892
February	8,504,625
March	7,331,920
April	7,034,500
May	6,901,469
June	7,133,382
July	9,303,328
August	10,302,622
September	8,825,264
October	7,020,207
November	6,453,472
December	6,537,232

### Water shortage response:

Did you activate any level of water shortage response plan the previous year?

- Yes       No       There was no need to

If you activated a water shortage response plan the previous year, what level did you activate? (Check all that apply)

- Advisory Conservation       Voluntary Conservation  
 Mandatory Conservation       Rationing       Other

What factors caused your water shortage the previous year?

- Drought       Fire       Landslides       Earthquakes  
 Flooding       Water Supply Limitations       Other

**Do not mail, fax, or email this report to DOH**