



Date Submitted: 6/12/2023

Water Use Efficiency Annual Performance Report - 2022

WS Name: PARKLAND LIGHT & WATER COMPANY

Water System ID# : 66200 WS County: PIERCE

Report submitted by: SUSAN CUTRELL

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 01/01/2022 To 12/31/2022

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	1,055,731,688 gallons
Authorized Consumption (AC) – Annual Volume in gallons	951,485,172 gallons
Distribution System Leakage – Annual Volume TP – AC	104,246,516 gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	9.9 %
3-year annual average - %	11.4 % 2020, 2021, 2022

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 09/25/2019

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):

- Reduce per ERU consumption by an average of 0.5 percent per year over the next 10 years.
- Maintain three-year running average DSL under 10 percent.

Customer (Demand Side) Goal Progress:

Water Use Efficiency Measures:

- Conservation program promotion
- Customer leak notification
- Bill showing consumption history
- Regular calibration of meters
- Development and implementation of a water loss control program if distribution system leakage exceeds 10 percent
- Consumer education
- Rate structure
- Distribution of sprinkler gauges
- Distribution of toilet leak detection kits

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.

During 2022 units per year/per meter was 155.65, down from 158.16 in 2021 and down from 159.69 in 2020.

As to goal of reducing ERU consumption by an average of 0.5 percent per year over a 10-year period, PL&W continues to make good progress.

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			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

Water level data:

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

Well tag Id number:

Well depth:

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

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

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

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

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

Monthly/Seasonal Water Usage:

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

Month	Volume of Water Produced in gallons
January	75,480,680
February	69,636,556
March	71,373,412
April	66,664,752
May	71,318,060
June	85,818,040
July	119,417,452
August	145,828,584
September	124,891,316
October	88,634,260
November	65,411,104
December	71,257,472

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