



Date Submitted: 4/15/2021

Water Use Efficiency Annual Performance Report - 2020

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 01/01/2020 To 12/31/2020

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	1,057,027,224 gallons
Authorized Consumption (AC) – Annual Volume in gallons	952,358,088 gallons
Distribution System Leakage – Annual Volume TP – AC	104,669,136 gallons
Distribution System Leakage – DSL = [(TP – AC) / TP] x 100 %	9.9 %
3-year annual average - %	7.2 % 2018, 2019, 2020

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

During 2020 units per year/per meter was 159.69, down from 168.63 units per year/per meter in 2019 and down from 167.19 units per year/per meter in 2018.

Additional Information Regarding Supply and Demand Side WUE Efforts

In 2020 PL&W hired USA for a full system survey for leak detection. USA found many small leaks throughout our distribution system, these leaks have been repaired.

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.

Water system loss is down to 9.9% in 2020, compared to 10.46% in 2019.

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	71,077,952
February	66,323,664
March	76,308,716
April	80,638,140
May	78,417,328
June	88,944,680
July	134,461,228
August	148,296,236
September	105,562,248
October	69,760,724
November	71,632,968
December	65,603,340

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