



June 15, 2021

Mrs. Luly Massaro
Commission Clerk
RI Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

The Hon. Jorge O. Elorza
Mayor

Ricky Caruolo
General Manager

RE: Dk 4994; New Cost of Service Study Data Requests

Dear Mrs. Massaro:

Enclosed, please find Providence Water's responses to the first(1st) set of data requests from the Smithfield Water Department.

Thank you for your attention to this matter.

Sincerely,

Mary L. Deignan-White

Mary L. Deignan-White
Division Manager-Finance

cc: service list(via email)

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PROVIDENCE WATER SUPPLY BOARD
RIPUC DK. 4994
Smithfield Water Supply Set 1
NEW COST OF SERVICE STUDY

(Issued May 25, 2021)

Smithfield 1-1: Provide the excel file of the revenue requirement study.

Response:

Please see excel file “PWSB Dk 4994 Model - Amended Settlement v8-20-2020.xlsm” which has been provided via email to the service list. Please note that this file is the same file that was used to produce the schedules in the amended settlement agreement dated August 25, 2020 (the Amended Settlement Agreement). This is also the same file that was provided electronically to the service list on May 14, 2021.

Also, note that the revenue requirement in the New COSS is for the second rate year ending June 30, 2022 (FY 2022).

PROVIDENCE WATER SUPPLY BOARD
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NEW COST OF SERVICE STUDY

(Issued May 25, 2021)

Smithfield 1-2: Provide Providence Water Supply's total historical annual average delivery to its water system for the last three years and the proforma average used in the COSS.

Response:

Providence Water's total annual production for the three most recently completed fiscal years is as follows:

- FYE 6/30/2018 – 28,135,628 HCF
- FYE 6/30/2019 – 28,042,451 HCF
- FYE 6/30/2020 – 29,489,826 HCF

Note that the only place that total annual production was used in the new COSS was for the allocation of non-revenue water on HJS-15b. In this case, only FY 2019 was used. Accordingly an *average* of total annual water production was not used in Providence Water's new COSS.

PROVIDENCE WATER SUPPLY BOARD
RIPUC DK. 4994
Smithfield Water Supply Set 1
NEW COST OF SERVICE STUDY

(Issued May 25, 2021)

Smithfield 1-3: For those years [the last three years], also provide the date of maximum day demands and quantities of water delivery to its water system and the proforma maximum day quantity used in its COSS.

Response:

Providence Water's maximum day production and dates for the three most recently completed fiscal years is as follows:

- FYE 6/30/2018 – 89.64 million gallons, 119,840 HCF (July 6, 2017)
- FYE 6/30/2019 – 97.5 million gallons, 130,348 HCF (July 10, 2018)
- FYE 6/30/2020 – 97.19 million gallons, 129,933 HCF (August 3, 2019)

Note that the only place that maximum day production is used in the new COSS is in the allocation of total retail maximum day *among* the retail classes (i.e., residential, commercial, industrial). Maximum day production was used to estimate retail peak day, by class, using monthly data. This is after total maximum day demand for retail (in total) and wholesale demand is determined using daily production and wholesale daily demand data. This process is described in Harold Smith's direct testimony (page 25 through 27). As described, while this data is used in the new COSS, its use is limited to the allocation of costs among the retail class and does not impact wholesale rates.

PROVIDENCE WATER SUPPLY BOARD
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Smithfield Water Supply Set 1
NEW COST OF SERVICE STUDY

(Issued May 25, 2021)

Smithfield 1-4: Similarly, for those years [the last three years], also provide the date and time of day of the peak hour demands and quantities of water delivered to its water system and the proforma peak hour quantity used in its COSS

Response:

Providence Water's maximum hour production and dates and times for the three most recently completed fiscal years were as follows:

- FYE 6/30/2018 – 98.40 million gallons, 131,551 HCF (August, 22, 1PM & 4PM)
- FYE 6/30/2019 – 109.99 million gallons, 147,045 HCF (August, 3, 11AM, 1PM & 4PM)
- FYE 6/30/2020 – 109.96 million gallons, 147,005 HCF (June, 17, 2AM)

Maximum hour production data were not used in Providence Water's new COSS.

PROVIDENCE WATER SUPPLY BOARD
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Smithfield 1-5: Provide the fire demand(s) in gallons per minute used in the COSS and the calculation and any source information relied upon for those demand(s), as well as the duration of the fire flow demands.

Response:

Please see Providence Water's response to DIV 4-2(b) in this case.

Also, please note that Providence Water's New COSS also retains the 140,217 HCF (0.50%) of base fire flow, which was proposed by the Division and ultimately incorporated into the Amended Settlement Agreement dated August 25, 2020.

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Smithfield 1-6: Referring to the COSS, Schedule HJS-16a: Customer Class Units of Service, provide the calculation and source information, by class of customer, for the maximum day and maximum hour peaking factors.

Response:

Please see the file “DIV 2-2 and 2-7 Wholesale Dmd and Class Demand Factors (NewGen).xlsx”, which is being provided via email to the service list. Note that the New COSS retains the factors from the August 25, 2020 Amended Settlement Agreement. These factors, which were proposed by Bristol County and ultimately incorporated into the COSS at the Commission’s direction, were based on a 2-year average (FY 2018 and FY 2019) for retail (in total) and each individual wholesale customer.