Bristol County Water Authority
Data Request – Set 1
February 17, 2020

BCWA 1-1: Regarding Schedule HJS-1

- a. Please provide all supporting data, assumptions, calculations and work papers used to derive the test year adjustment for miscellaneous revenue.
- b. Please provide all supporting data, assumptions, calculations and work papers used to derive the test year adjustment for wholesale sales and private fire protection.

RESPONSE:

- a. Please see attached excel file titled "BCWA 1-1." At the time of the filing Test Year revenues were \$1,693,375, which consisted of the Foster Property Tax refund (\$291,000) and all other miscellaneous revenues which totaled \$1,402,375. To determine the adjustment, all other miscellaneous revenues were spread proportionally to the detailed categories based on the values from Docket 4618. Adjustments were then made to the following categories to bring them in line with more historical values: Lost or Stolen Meters, Rental Income and Interest on Delinquent Accounts. In addition, the Property Tax Refund to account for the additional transfer of funds collected in FY 2015, FY 2016, which was amortized over FY 2017, FY 2018 and FY 2019. This revenue will not continue beyond FY 2019, so it was removed. Following the completion of FY 2019 Audit, Test Year revenues were increased due to the inclusion of amounts which were not known at the time of the filing. These amounts increase non-rate revenue by \$86,456. This increase will be reflected in my rebuttal testimony.
- b. The test year revenues are FY 2019 Actuals, as reported in Providence Water's annual report. The adjusted test year revenues for wholesale are based on FY 2019 sales and the current wholesale rate. This calculation is shown on HJS-2. Adjusted test year revenues for private fire protection are based on FY 2019 private fire connections and the current monthly fire protection charge. These calculations are shown on HJS-2.

| | | | Proportional A | Alloc of | Plus | | Total | т | Y | Dk. 4994 | Post Audit | Revised | Revi | sed FY 19 TY | Revised TY |
|----------------------------------|-----------------|--------|----------------|----------|----------------|------|----------|-------------|------|-----------|--------------|-----------------|------|--------------|-----------------|
| | 4618 % | 6 | \$ 1,40 | 02,375 | Foster Tax Ref | | FY 19 TY | Ad | lj | Filed | Revisions | FY 21 RY | | FY 2019 | Adj |
| New Meters | \$ 48,957 | 4.49% | \$ 6 | 53,017 | | \$ | 63,017 | | \$ | 63,017 | | \$ 63,017 | \$ | 121,740 | \$ (58,723) |
| Lost or Stolen Meters | \$ 37,375 | 3.43% | \$ 4 | 48,109 | | \$ | 48,109 | \$ (30,247 |) \$ | 17,862 | | \$ 17,862 | \$ | 16,553 | \$ 1,309 |
| Abandonment | \$ 750 | 0.07% | \$ | 965 | | \$ | 965 | | \$ | 965 | | \$ 965 | \$ | - | \$ 965 |
| Admin Fee from NBC | \$ 25,000 | 2.29% | \$ | 32,180 | | \$ | 32,180 | | \$ | 32,180 | | \$ 32,180 | \$ | 25,000 | \$ 7,180 |
| Misc. Accounts | \$ 3,485 | 0.32% | \$ | 4,486 | | \$ | 4,486 | | \$ | 4,486 | | \$ 4,486 | \$ | 7,637 | \$ (3,151) |
| Narraganset Shut-Off | \$ 48,263 | 4.43% | \$ | 52,124 | | \$ | 62,124 | | \$ | 62,124 | \$ 23,861 | \$ 85,985 | \$ | 23,861 | \$ 62,124 |
| Road Restoration | \$ 36,824 | 3.38% | \$ 4 | 47,400 | | \$ | 47,400 | | \$ | 47,400 | | \$ 47,400 | \$ | 104,700 | \$ (57,300) |
| Shut Off Service Charge | \$ 112,192 | 10.30% | \$ 14 | 44,413 | | \$ | 144,413 | | \$ | 144,413 | | \$ 144,413 | \$ | 81,920 | \$ 62,493 |
| Shut Off For Seasonal | \$ 832 | 0.08% | \$ | 1,071 | | \$ | 1,071 | | \$ | 1,071 | | \$ 1,071 | \$ | 6,912 | \$ (5,841) |
| Shut Off Service Charge | \$ - | 0.00% | \$ | - | | \$ | - | | \$ | - | | \$ - | | | \$ - |
| Subpoena | \$ 33 | 0.00% | \$ | 42 | | \$ | 42 | | \$ | 42 | | \$ 42 | \$ | - | \$ 42 |
| Title Search Charge | \$ 22,494 | 2.06% | \$ 2 | 28,954 | | \$ | 28,954 | | \$ | 28,954 | | \$ 28,954 | \$ | 25,073 | \$ 3,881 |
| \$ Transaction at Closing | \$ (24) | 0.00% | \$ | (31) | | \$ | (31) | | \$ | (31) | | \$ (31) | | | \$ (31) |
| Turn On Meter | \$ 75,714 | 6.95% | \$ 9 | 97,459 | | \$ | 97,459 | | \$ | 97,459 | | \$ 97,459 | \$ | 59,555 | \$ 37,904 |
| Scrap Meter Fees Garbage Pick-Up | | 0.00% | \$ | - | | \$ | - | | \$ | - | | \$ - | | | \$ - |
| Other Misc. | \$ 7,131 | 0.65% | \$ | 9,179 | | \$ | 9,179 | | \$ | 9,179 | | \$ 9,179 | \$ | 121 | \$ 9,058 |
| Rental Income | \$ 35,991 | 3.30% | \$ 4 | 46,327 | | \$ | 46,327 | \$ (10,940 |) \$ | 35,387 | | \$ 35,387 | \$ | 32,712 | \$ 2,675 |
| Interest on Delinquent Accounts | \$ 407,331 | 37.39% | \$ 52 | 24,314 | | \$ | 524,314 | \$ (112,497 |) \$ | 411,817 | | \$ 411,817 | \$ | 420,812 | \$ (8,995) |
| Forest Product Sales | \$ 31,450 | 2.89% | \$ 4 | 40,482 | | \$ | 40,482 | | \$ | 40,482 | | \$ 40,482 | \$ | 170,779 | \$ (130,297) |
| Bad Checks | \$ 10,880 | 1.00% | \$ 1 | 14,005 | | \$ | 14,005 | | \$ | 14,005 | | \$ 14,005 | \$ | 21,220 | \$ (7,215) |
| Federal Grants | | 0.00% | \$ | - | | \$ | - | | \$ | - | | \$ - | | | \$ - |
| Net Loss Disposal Fixed Assets | | 0.00% | \$ | - | | \$ | - | | \$ | - | | \$ - | | | \$ - |
| Misc. Revenue Water Lien | \$ (1,053) | -0.10% | \$ | (1,356) | | \$ | (1,356) | | \$ | (1,356) | | \$ (1,356) | \$ | 74,360 | \$ (75,716) |
| State 1 Surcharge | \$ 185,857 | 17.06% | \$ 23 | 39,235 | | \$ | 239,235 | \$ (58,945 |) \$ | 180,290 | | \$ 180,290 | \$ | 179,827 | \$ 463 |
| Flow Test | | | | | | \$ | - | | \$ | - | \$ 8,925 | \$ 8,925 | \$ | 8,925 | \$ - |
| Interest Income | | | | | | \$ | - | | \$ | - | \$ 53,670 | \$ 53,670 | \$ | 53,670 | \$ - |
| Foster Tax Refund | | | | | \$ 291,000 | \$ | 291,000 | \$ (116,000 |) \$ | 175,000 | | \$ 175,000 | \$ | 291,667 | \$ (116,667) |
| | \$ 1,089,482 | 100% | \$ 1,40 | 02,375 | \$ 291,000 | \$ 1 | ,693,375 | \$ (328,629 |) \$ | 1,364,746 | \$ 86,456 | \$ 1,451,202 | \$ | 1,727,044 | \$ (275,842) |

Bristol County Water Authority
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BCWA 1-2:

Are any costs associated with the Unidirectional Flushing Program assigned to the wholesale customers in this Docket. If the answer is in the affirmative, please set forth the total amount of costs, the components of the total amount and explain how this allocation was determined.

RESPONSE:

Yes. The total cost for the UDF program in FY 2021 is \$1,266,827 of which \$194,959 was assigned to wholesale customers. These costs reside within T&D Salaries, Benefits, and Contractual Services (see HJS-14A), which are allocated on either Factor 13 (for Salaries, Benefits and Supplies) or Factor 14 (for Contractual Services). A detailed calculation of the allocation of just these costs to wholesale is included in the excel file entitled "BCWA 1-2."

| | | | Normalizing | Normalizing | Test Year | Rate Year FY 21 | | ate Year FY 21 | | | |
|---|-----------|---|---|---|---|---|---|---|----|--------------|---------|
| Description | | FY 2019 TY | Adjustments - % | Adjustments - \$ | FY 19 Adj | Adjustments - % | | djustments - \$ | | FY 2021 RY | Allocat |
| Salaries + Wages | \$ | 666,364.39 | 4.41% | | \$ 695,727.18 | 4.04% | | 28,107.38 | | 723,834.56 | |
| Benefits | \$ | 391,964.86 | 3.80% | | \$ 406,867.15 | 11.57% | \$ | 47,093.47 | \$ | 453,960.62 | |
| Police Details | \$ | 2,756.42 | 0.00% | | \$ 2,756.42 | | \$ | 52,756.00 | | 55,512.42 | |
| Tools and Supplies | \$ | 8,041.47 | 0.00% | \$ - | \$ 8,041.47 | | \$ | - | \$ | 8,041.47 | |
| Paint Supplies | \$ | 478.08 | 0.00% | \$ - | \$ 478.08 | | \$ | - | \$ | 478.08 | |
| Total | \$ | 1,069,605.22 | | \$ 44,265.08 | \$ 1,113,870.30 | | \$ | 127,956.85 | \$ | 1,241,827.15 | |
| Professional Engineering Fees | \$ | - | 0.00% | \$ - | \$ - | | \$ | 25,000 | \$ | 25,000.00 | |
| Fotal UDF | \$ | 1,069,605.22 | | | | | \$ | 152,956.85 | \$ | 1,266,827.15 | |
| Normalizing Adjustment | | Payroll ⁽¹⁾ | OPEB ⁽²⁾ | | | | | | | | |
| TY T&D | \$ | 2,880,826 | \$ 2,109,998 | | | | | | | | |
| Adj TY T&D | \$ | 3,007,767 | | | | | | | | | |
| Adjustment | | 4.41% | 3.80% | | | | | | | | |
| Rate Year Payroll Adj | | Payroll ⁽¹⁾ | OPEB ⁽²⁾ | | | | | | | | |
| Adj TY T&D | \$ | 3,007,767 | | | | | | | | | |
| RY T&D | \$ | 3,129,281 | | | | | | | | | |
| Adjustment | Ą | 4.04% | 11.57% | | | | | | | | |
| 1) See HJS-3B T&D Salaries | | 4.04/0 | 11.57/0 | | | | | | | | |
| 2) See HJS-4B T&D Benefits | | | | | | | | | | | |
| Cost Component | ıries, Be | Factor % | \$ | Wholesale Units | Total Units 28.042.451 | Wholesale % | \$ | Wholesale \$ | _ | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour | iries, Be | Factor % 4.5% 3.2% 5.2% | \$ \$ 52,966 \$ 37,619 \$ 62,121 | • | 28,042,451 46,678 77,081 | 40.9% 49.4% 17.0% | \$ | Wholesale \$ 21,647 18,566 10,537 | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base | ries, Be | Factor % 4.5% 3.2% 5.2% 6.8% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 | Wholesale Units 11,461,006 23,037 | 28,042,451 46,678 77,081 16,581,445 | 40.9% 49.4% 17.0% 0.0% | \$ \$ \$ | 21,647 18,566 | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day | iries, Be | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 | Wholesale Units 11,461,006 23,037 13,075 | 28,042,451 46,678 77,081 16,581,445 23,641 | 40.9% 49.4% 17.0% 0.0% 0.0% | \$ \$ \$ \$ | 21,647 18,566 | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour | ries, Be | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 | Wholesale Units 11,461,006 23,037 13,075 | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 | 40.9% 49.4% 17.0% 0.0% 0.0% | \$ \$ \$ \$ | 21,647 18,566 | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services | iries, Be | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 | Wholesale Units 11,461,006 23,037 13,075 | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% | \$ \$ \$ \$ \$ | 21,647 18,566 | _ | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection | iries, Be | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 | Wholesale Units 11,461,006 23,037 13,075 | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% | \$ \$ \$ \$ \$ | 21,647 18,566 | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services | iries, Be | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 | Wholesale Units 11,461,006 23,037 13,075 - - - - | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% 0.0% | \$ \$ \$ \$ \$ \$ \$ | 21,647 18,566 10,537 - - - - - - | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection | iries, Be | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 | Wholesale Units 11,461,006 23,037 13,075 - - - - | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% | \$ \$ \$ \$ \$ \$ \$ | 21,647 18,566 | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire | | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 \$ 1,186,315 | Wholesale Units 11,461,006 23,037 13,075 - - - - | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% 0.0% | \$ \$ \$ \$ \$ \$ \$ | 21,647 18,566 10,537 - - - - - - | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire | | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 \$ 1,186,315 | Wholesale Units 11,461,006 23,037 13,075 - - - - | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% 0.0% | \$ \$ \$ \$ \$ \$ \$ | 21,647 18,566 10,537 - - - - - - | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire | | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 \$ 1,186,315 | Wholesale Units 11,461,006 23,037 13,075 - - - - - [1] Wholesale | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 Share of UDF Alloc | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% 0.0% cated on Factor 13 | \$ \$ \$ \$ \$ \$ \$ \$ | 21,647 18,566 10,537 - - - - - - - - - - - - - - - - - - - | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire JDF Allocated on Factor 14 - Polic Cost Component | | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 \$ 1,186,315 sional Engineering \$ \$ 150,502 | Wholesale Units 11,461,006 23,037 13,075 [1] Wholesale | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 Share of UDF Allor | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% 0.0% cated on Factor 13 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 21,647 18,566 10,537 - - - - - - - - - - - - - - - - - - - | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire CDF Allocated on Factor 14 - Policated Cost Component CTA Base | | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% iils and Profes: Factor % 12.7% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 \$ 1,186,315 sional Engineering \$ 150,502 \$ 106,895 | Wholesale Units 11,461,006 23,037 13,075 [1] Wholesale Wholesale Units 11,461,006 | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 Share of UDF Allor | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 21,647 18,566 10,537 - - - - - - - - - - - - - - - - - - - | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire JDF Allocated on Factor 14 - Polic Cost Component CTA Base CTA Max Day | | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% iils and Profess Factor % 12.7% 9.0% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 \$ 1,186,315 sional Engineering \$ 150,502 \$ 106,895 \$ 176,519 | Wholesale Units 11,461,006 23,037 13,075 [1] Wholesale Wholesale Units 11,461,006 23,037 | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 Share of UDF Allow Total Units 28,042,451 46,678 | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% 0.0% constant on Factor 13 Wholesale % 40.9% 49.4% | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 21,647 18,566 10,537 - - - - - - - - - - - - - - - - - - - | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire DDF Allocated on Factor 14 - Polic Cost Component CTA Base CTA Max Day CTA Max Hour | | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% iils and Profess Factor % 12.7% 9.0% 14.9% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 \$ 1,186,315 sional Engineering \$ \$ 150,502 \$ 106,895 \$ 176,519 \$ 227,229 | Wholesale Units 11,461,006 23,037 13,075 [1] Wholesale Wholesale Units 11,461,006 23,037 13,075 | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 Share of UDF Alloo | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% 0.0% cated on Factor 13 Wholesale % 40.9% 49.4% 17.0% | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 21,647 18,566 10,537 - - - - - - - - - - - - - - - - - - - | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire JDF Allocated on Factor 14 - Polic Cost Component CTA Base CTA Max Day CTA Max Day CTA Max Hour Retail Base | | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% iils and Profes: Factor % 12.7% 9.0% 14.9% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 \$ 1,186,315 sional Engineering \$ 150,502 \$ 106,895 \$ 176,519 \$ 227,229 \$ 161,390 | Wholesale Units 11,461,006 23,037 13,075 [1] Wholesale Wholesale Units 11,461,006 23,037 13,075 | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 Share of UDF Alloc Total Units 28,042,451 46,678 77,081 16,581,445 | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% cated on Factor 13 Wholesale % 40.9% 49.4% 17.0% 0.0% | \$\$\$\$\$\$ \$ \$ | 21,647 18,566 10,537 - - - - - - - - - - - - - - - - - - - | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire JDF Allocated on Factor 14 - Polic Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day | | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% 12.7% 9.0% 14.9% 19.2% 13.6% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 \$ 1,186,315 sional Engineering \$ 150,502 \$ 106,895 \$ 176,519 \$ 227,229 \$ 161,390 \$ 266,508 | Wholesale Units 11,461,006 23,037 13,075 [1] Wholesale Wholesale Units 11,461,006 23,037 13,075 | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 Share of UDF Allo Total Units 28,042,451 46,678 77,081 16,581,445 23,641 | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% cated on Factor 13 Wholesale % 40.9% 49.4% 17.0% 0.0% 0.0% | \$\$\$\$\$\$\$ \$ | 21,647 18,566 10,537 - - - - - - - - - - - - - - - - - - - | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire JDF Allocated on Factor 14 - Polic Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services | | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% iils and Profes: Factor % 12.7% 9.0% 14.9% 14.9% 19.2% 22.5% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 \$ 1,186,315 sional Engineering \$ 150,502 \$ 106,895 \$ 176,519 \$ 227,229 \$ 266,508 \$ 97,271 | Wholesale Units 11,461,006 23,037 13,075 [1] Wholesale Wholesale Units 11,461,006 23,037 13,075 | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 Share of UDF Allor Total Units 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% 0.0% cated on Factor 13 Wholesale % 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% | \$\$\$\$\$\$\$\$ \$ | 21,647 18,566 10,537 - - - - - - - - - - - - - - - - - - - | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire UDF Allocated on Factor 14 - Polic Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Day Retal Max Hour | | Factor % 4.5% 3.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% iils and Profess Factor % 12.7% 9.0% 14.9% 19.2% 13.6% 22.5% 8.2% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 \$ 1,186,315 sional Engineering \$ 150,502 \$ 106,895 \$ 176,519 \$ 227,229 \$ 161,390 \$ 266,508 \$ 97,271 \$ | Wholesale Units 11,461,006 23,037 13,075 [1] Wholesale Wholesale Units 11,461,006 23,037 13,075 | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 Share of UDF Allow Total Units 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% 20.0% 20.0% 20.0% 40.9% 40.9% 40.9% 40.0% 0.0% 0.0% 0.0% 0.0% 0.0% | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 21,647 18,566 10,537 - - - - - - - - - - - - - - - - - - - | - | | |
| Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire DDF Allocated on Factor 14 - Polic Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection | | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% iils and Profess Factor % 12.7% 9.0% 14.9% 13.6% 22.5% 8.2% 0.0% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 611 \$ 211,914 \$ 1,186,315 sional Engineering \$ 150,502 \$ 106,895 \$ 176,519 \$ 227,229 \$ 161,329 \$ 266,508 \$ 97,271 \$ - | Wholesale Units 11,461,006 23,037 13,075 [1] Wholesale Wholesale Units 11,461,006 23,037 13,075 | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 Share of UDF Allow Total Units 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% 0.0% 2ated on Factor 13 Wholesale % 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 21,647 18,566 10,537 - - - - - - - - - - - - - - - - - - - | - | | |
| CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection Direct Fire UDF Allocated on Factor 14 - Polic Cost Component CTA Base CTA Max Day CTA Max Hour Retail Base Retail Max Day Retal Max Hour Meters & Services Billing & Collection | | Factor % 4.5% 3.2% 5.2% 6.8% 4.8% 8.0% 49.7% 0.0% 17.9% iils and Profess Factor % 12.7% 9.0% 14.9% 13.6% 22.5% 8.2% 0.0% | \$ 52,966 \$ 37,619 \$ 62,121 \$ 80,506 \$ 57,180 \$ 94,423 \$ 589,524 \$ 61 \$ 211,914 \$ 1,186,315 sional Engineering \$ 150,502 \$ 106,895 \$ 176,519 \$ 227,229 \$ 161,390 \$ 266,508 \$ 97,271 \$ | Wholesale Units 11,461,006 23,037 13,075 [1] Wholesale Wholesale Units 11,461,006 23,037 13,075 [2] Wholesale | 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 Share of UDF Allow Total Units 28,042,451 46,678 77,081 16,581,445 23,641 64,006 128,499 954,996 6,550 Share of UDF Allow | 40.9% 49.4% 17.0% 0.0% 0.0% 0.0% 0.0% 20.0% 20.0% 20.0% 40.9% 40.9% 40.9% 40.0% 0.0% 0.0% 0.0% 0.0% 0.0% | \$ | 21,647 18,566 10,537 - - - - - - - - - - - - - - - - - - - | - | | |

Bristol County Water Authority
Data Request – Set 1
February 17, 2020

BCWA 1-3:

Please provide all supporting data, assumptions, calculations and work papers used to derive the share of UFW attributable to wholesale customers.

RESPONSE:

Please see the excel file entitled "BCWA 1-3" for all work papers. All other assumptions are contained within HJS-15B which details the allocation unaccounted for water (UFW) to wholesale customers.

WATER SUPPLY SYSTEM MANAGEMENT PLAN PROGRAM STATE FISCAL YEAR 2019 REPORTING - July 1, 2018 - June 30, 2019

Return completed form no later than August 1, 2019
Report all water volumes in gallons

WATER SUPPLIER: PROVIDENCE WATER CONTACT NAME & PHONE: Peter LePage - 401-521-6300

| SECTION #1: Service Co (Section 8.02 (f)) (Works | , | July 1, 2018 t | hrough June | e 30, 2019) an | d Population | Served - His | storic, Currer | t, and Projecto | ed | |
|---|--|--|--------------|----------------|-----------------------------------|----------------------------------|--|--|--|--|
| Residential # Service Connections | Commercial # Service Connections | Industrial # Service Connections | al # Service | Service | Total # Service Connections | Number of Metered Services | Total Current Population Served | 5-Year Projected Population Served* | 20-Year Projected Population Served | Population Eligible to be Served |
| 69,069 | 7,601 | 264 | 199 | 32 | 77,165 | 77,165 | 310,059 | 314,915 | 323,412 | N/A |

Instructions: Provide service connection data by type of connection. Please note if the breakdowns are estimated. The total number of connections will be calculated automatically. Note the method used to calculate total population served. Provide data and time periods for projections from most recent Water Supply System Management Plan if more recent data is not available. Provide data and note the time periods (5 and 20 year). Use the most recent Water Supply System Management Plan if more recent data is not available. Note the method used to calculate total population served.

| SECTION #2: Curre | | | | | pply Source | and Total Sy | stem (Sectio | n 8.02 (h) (Woi | rksheet #12) | | | | |
|-------------------|-----------------|-----------------|---------------|---------------|---------------|---------------|---------------|-----------------|---------------|---------------|---------------|---------------|---------------|
| LAST COMPLETED | FISCAL YEAR (JU | ily 1, 2018 thr | | | | _ | | _ | | | | _ | |
| Source Name | J | Α | S | 0 | N | D | J | F | M | A | M | J | TOT |
| Plant Influent | 2,558,630,000 | 2,307,530,000 | 1,954,830,000 | 1,688,320,000 | 1,467,400,000 | 1,432,430,000 | 1,469,970,000 | 1,465,080,000 | 1,697,130,000 | 1,662,190,000 | 1,891,330,000 | 2,009,640,000 | 21,604,480,00 |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Totals | 2,558,630,000 | 2,307,530,000 | 1,954,830,000 | 1,688,320,000 | 1,467,400,000 | 1,432,430,000 | 1,469,970,000 | 1,465,080,000 | 1,697,130,000 | 1,662,190,000 | 1,891,330,000 | 2,009,640,000 | 21,604,480,00 |

List all sources active and inactive. Provide data in gallons. Totals are calculated automatically.

Section #3: Current Monthly Wholesale Water Purchases (Gallons) (Section 8.02 (h) (Worksheet #14) LAST COMPLETED FISCAL YEAR (July 1, 2018 through June 30, 2019)

| Source Name | J | A | S | 0 | N | D | J | F | М | Α | М | J | TOT |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| NA | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
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| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Section #4: Current Monthly Wholesale Water Sales (Gallons) (Section 8.02 (h) (Worksheet #16) LAST COMPLETED FISCAL YEAR (July 1, 2018 through June 30, 2019)

| Source Name | J | Α | S | 0 | N | D | J | F | M | Α | М | J | TOT |
|-----------------------|---------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| Warwick Water | 459,910,000 | 420,240,000 | 285,130,000 | 171,720,000 | 133,020,000 | 135,220,000 | 167,960,000 | 118,310,000 | 136,870,000 | 140,770,000 | 195,480,000 | 227,480,000 | 2,592,110,000 |
| Kent County Water | 207,660,000 | 196,460,000 | 175,330,000 | 177,110,000 | 158,800,000 | 158,080,000 | 169,820,000 | 142,740,000 | 148,120,000 | 170,870,000 | 181,410,000 | 157,820,000 | 2,044,220,000 |
| East Providence Water | 110,320,000 | 191,230,000 | 106,930,000 | 101,420,000 | 96,690,000 | 94,270,000 | 96,390,000 | 78,330,000 | 88,190,000 | 123,130,000 | 169,880,000 | 106,660,000 | 1,363,440,000 |
| Bristol County Water | 128,830,000 | 127,990,000 | 106,620,000 | 102,840,000 | 88,860,000 | 83,760,000 | 99,060,000 | 76,670,000 | 74,030,000 | 91,920,000 | 43,810,000 | 93,750,000 | 1,118,140,000 |
| Lincoln Water | 102,840,000 | 97,810,000 | 81,700,000 | 59,050,000 | 54,630,000 | 47,500,000 | 55,460,000 | 43,730,000 | 46,780,000 | 57,950,000 | 63,690,000 | 65,470,000 | 776,610,000 |
| Greenville Water | 45,620,000 | 41,370,000 | 35,410,000 | 23,920,000 | 19,610,000 | 19,210,000 | 21,590,000 | 19,130,000 | 16,580,000 | 19,780,000 | 22,540,000 | 30,550,000 | 315,310,000 |
| Smithfield Water | 43,880,000 | 36,850,000 | 32,450,000 | 22,240,000 | 20,190,000 | 18,480,000 | 18,550,000 | 18,330,000 | 16,440,000 | 22,690,000 | 21,310,000 | 21,530,000 | 292,940,000 |
| Johnston Water | 41,700,000 | 41,870,000 | 29,690,000 | 23,860,000 | 16,870,000 | 18,060,000 | 17,160,000 | 15,970,000 | 16,190,000 | 19,260,000 | 23,500,000 | 24,560,000 | 288,690,000 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
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| | | | | | | | | | | | | | 0 |
| | | | | · | | | | | | | | • | 0 |
| | | | | | | | | | | | | • | 0 |
| Total | 1,140,760,000 | 1,153,820,000 | 853,260,000 | 682,160,000 | 588,670,000 | 574,580,000 | 645,990,000 | 513,210,000 | 543,200,000 | 646,370,000 | 721,620,000 | 727,820,000 | 8,791,460,000 |

SECTION #5: Current Water Use (Gallons) by User Category * (NAICS) (Section 8.02 (i)(2)) (WORKSHEET #20) LAST COMPLETED FISCAL YEAR (July 1, 2018 through June 30, 2019)

| User Category | J ₃₁ | A ₃₁ | S ₃₀ | O ₃₁ | N ₃₀ | D ₃₁ | J ₃₁ | F ₂₈ | M ₃₁ | A ₃₀ | M ₃₁ | J ₃₀ | Total |
|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|
| Residential (Total) | 674,789,555 | 796,755,093 | 578,320,072 | 500,498,042 | 458,098,791 | 463,363,477 | 452,942,754 | 385,492,355 | 459,657,886 | 445,088,135 | 499,790,961 | 493,989,402 | 6,208,786,523 |
| Single | 428,794,402 | 412,914,671 | 341,583,515 | 253,555,340 | 195,857,382 | 196,758,163 | 205,852,411 | 168,582,169 | 195,272,575 | 192,886,400 | 231,504,339 | 244,993,500 | 3,068,554,867 |
| Multi | 245,995,153 | 383,840,422 | 236,736,557 | 246,942,702 | 262,241,409 | 266,605,314 | 247,090,343 | 216,910,186 | 264,385,311 | 252,201,735 | 268,286,622 | 248,995,902 | 3,140,231,656 |
| Residential Demand Per | | | | | | | | | | | | | |
| Capita Per Day-note1 | 70 | 83 | 62 | 52 | 49 | 48 | 47 | 44 | 48 | 48 | 52 | 53 | 55 |
| | | | | | | | | | | | | | |
| Commercial (Total) | 233,957,391 | 370,590,897 | 284,935,642 | 223,284,604 | 229,250,279 | 205,015,679 | 182,826,272 | 194,685,778 | 214,110,343 | 219,604,222 | 233,569,851 | 212,162,129 | 2,803,993,087 |
| 1 Commercial | 233,957,391 | 370,590,897 | 284,935,642 | 223,284,604 | 229,250,279 | 205,015,679 | 182,826,272 | 194,685,778 | 214,110,343 | 219,604,222 | 233,569,851 | 212,162,129 | |
| 2 Motel/Hotel | | | | | | | | | | | | | |
| 3 Medical | | | | | | | | | | | | | |
| 4 Nursing Home | | | | | | | | | | | | | |
| 5 Restaurant | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| Industrial (Total) | 11,256,300 | 13,564,389 | 9,852,902 | 11,379,211 | 9,259,701 | 9,149,857 | 8,725,607 | 11,596,498 | 9,969,613 | 9,088,387 | 11,258,170 | 9,682,471 | 124,783,106 |
| 1 | 11,256,300 | 13,564,389 | 9,852,902 | 11,379,211 | 9,259,701 | 9,149,857 | 8,725,607 | 11,596,498 | 9,969,613 | 9,088,387 | 11,258,170 | 9,682,471 | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| Government (Total) | 13,609,717 | 29,598,651 | 13,642,143 | 7,023,046 | 6,112,214 | 4,069,718 | 5,068,208 | 4,391,702 | 4,424,449 | 4,340,771 | 7,084,846 | 7,344,148 | 106,709,613 |
| | 13,609,717 | 29,598,651 | 13,642,143 | 7,023,046 | 6,112,214 | 4,069,718 | 5,068,208 | 4,391,702 | 4,424,449 | 4,340,771 | 7,084,846 | 7,344,148 | |
| Other (Total) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| Totals | 933,612,963 | 1,210,509,030 | 886,750,759 | 742,184,903 | 702,720,985 | 681,598,731 | 649,562,841 | 596,166,333 | 688,162,291 | 678,121,515 | 751,703,828 | 723,178,150 | 9,244,272,329 |
| System ADD (Gallons) - | | | | | | | | | | | | | |
| note 2 | 82,536,452 | 74,436,452 | 65,161,000 | 54,461,935 | 48,913,333 | 46,207,419 | 47,418,387 | 52,324,286 | 54,746,129 | 55,406,333 | 61,010,645 | 66,988,000 | 59,190,356 |
| System ADD (MG) | | | | | | | | | | | | | |
| Gallons/1,000,000 | 82.54 | 74.44 | 65.16 | 54.46 | 48.91 | 46.21 | 47.42 | 52.32 | 54.75 | 55.41 | 61.01 | 66.99 | 59.19 |
| System ADD/Capita | 02.04 | 7 7.44 | 33.10 | 54.40 | 10.01 | 70.21 | 77.42 | 52.52 | 54.75 | 33.41 | 01.01 | 00.99 | 55.19 |
| (Gallons)- note 3 | 266 | 240 | 210 | 176 | 158 | 149 | 153 | 169 | 177 | 179 | 197 | 216 | 191 |
| (Gallotis)- flote 3 | 200 | 240 | 210 | 170 | 130 | 149 | 153 | 109 | 177 | 179 | 197 | 210 | 191 |

Fill in the above data in total gallons based on billing (monthly, quarterly, etc.). Provide explanation as needed. Totals will be automatically calculated. Notes:

- * Section 8.02 (i)(2) of the Regulations requires water use analyzed by user category utilizing the North American Industry Classification System
- 1. Average Day Residential Demand per capita is Daily Residential Water Use/Total Current Population Served (cell H13) above.
- 2. Based on Monthly Production, Purchase, and Storage Data (to be provided separately if available) (Withdrawals + Purchased) / # of Days in Month).
- 3. System ADD / Total Current Population Served (cell H10 above).

SECTION #6: FY 2019 Water Rates

Please attach information explaining your current billing system and customer types. Attach a copy of the current water rate schedule as approved by your local governing body, water board or the public untilities commission including effective date and schedule for the next update. Include all charges, fees, surcharges and taxes as well as scale, if any, used to calculate rate for different size connections.

SECTION #7: Current Non-Billed and Non-Metered Water Use Estimates (Gallons) (July 1, 2018 through June 30, 2019)

| | FY 2019(Gallons) |
|--|------------------|
| Total Water Produced/Purchased | |
| (Total Sections 2 and 3) | 21,604,480,000 |
| Less Total Metered (Sold/Billed) Water | |
| (Total Sections 4 and 5) | 18,035,732,329 |
| Less Non-Billed Water Use | |
| (Total Section 7 below) | 1,141,363,818 |
| Total Non-Metered (Not Sold) | |
| Water Use | 2,427,383,853 |
| % Non-Metered Water | |
| (Total Non-Metered/Total Water) | 11% |

Section 7 is calculated automatically based on previous sections and data entered below.

| Non Billed Water Use | FY 2019 Gallons |
|------------------------------------|-----------------|
| Fire Fighting Allowance | 100,000,000 |
| Main Flushing/System Maintenance | 50,000,000 |
| Storm Drain Flushing | |
| Sewer Cleaning | |
| Street Cleaning | |
| Schools and Other Public Buildings | |
| Landscaping in Public Areas | |
| Swimming Pools | |
| Construction Sites | 10,098,550 |
| Water Quality and Other Testing | 881,265,268 |
| Process Water at Treatment Plants | |
| Leakage | 100,000,000 |
| Theft, meter error | |
| Other Non Billed Water | |
| Total | 1,141,363,818 |

Instructions: All non-billed water must be included in Section 7 above. Leakage (actual or estimated) must be provided. If individual categories other than leakage are not known, provide the information in the "Other Non-Billed Water" category.

BCWA 1-3 ATTACH EXCEL

SECTION #8: Top Ten Major Users FY 2019

Provide the legal names of the top ten major water users, the amount of water used (Gallons), and

telephone

| COMPANY NAME | CONTACT TELEPHONE | FY 2019 (Gallons) |
|---------------------------|-------------------|-------------------|
| DEPT OF ADMINISTRATION | 4015748593 | 254,780,319 |
| RHODE ISLAND HOSPITAL | 4014443971 | 168,796,665 |
| BROWN UNIVERSITY | 4018637971 | 148,356,981 |
| PROVIDENCE HOUSING | 4017929159 | 102,642,954 |
| PEPSI BOTTLING GRPUS 0883 | 4012557202 | 86,421,676 |
| PROVIDENCE HOUSING | 4017516400 | 82,809,434 |
| CITY OF PROVIDENCE | 4016805000 | 78,146,320 |
| PROVIDENCE COLLEGE | 4018651000 | 55,238,528 |
| FALVEY LINEN SUPPLY | 4019428900 | 44,111,744 |
| LOUISQUISSET COUNTRY CLUB | 6037668788 | 43,621,587 |

Bristol County Water Authority
Data Request – Set 1
February 17, 2020

BCWA 1-4:

Please explain why an inflation adjustment should be included if Providence is seeking a multi-year rate increase

RESPONSE:

An inflation adjustment is allowed for all expenses that do not otherwise have known and measurable adjustments. Known and measurable adjustments have been included for each year of the multi-year rate request with an inflation adjustment applied to the remaining items. As noted in Mr. Smith's testimony, the FY 2022 and FY 2023 rates would be subject to compliance filings that would adjust the revenue requirement to reflect any differences in cost relative to what is being proposed in this Docket.

Bristol County Water Authority
Data Request – Set 1
January 28, 2020

BCWA 1-5: Regarding HJS-6, please explain in detail each of the non-inflationary adjustments for the rate year FY21 and provide all supporting documents, assumptions, calculations and work papers used to calculate the adjustments including the "historical increases or industry standard estimates" referenced on page 12 of Mr. Smith's testimony.

RESPONSE: Please see attached schedule BCWA 1-5 and supporting documents.

Alicia Mignanelli February 10, 2020

Schedule BCWA 1-5 Providence Water Details for non-inflationary adjustments on HJS-6

| CONTRACTOR OF THE PROPERTY OF | CONTRACTOR OF THE PARTY OF THE | | | | | | | |
|---|---|------------------|-------------------------|------------------|------------------------|---|----------------------|--|
| | | | | | Summary of Adjustments | Adjustments | | |
| Naruc | Item # Description | Test Year FY2019 | Rate Year Adjustment | Rate Year FY2021 | FY2022 Adjustment | 2nd Phase FY2022 | FY2023 Adjustment | FY2023 Adjustment 3rd Phase FY2023 Comments |
| 62060 Materials & Supplies - T&DM | | | | | | | | |
| | 1 Sand and Gravel | \$58,177.00 | \$4,638.38 | \$62,815.38 | \$2,456.08 | \$65.271.46 | 53.263.57 | \$58 525 AA Sao Hom 1 |
| | 2 Ashphalt | \$105,723.00 | \$5,286.15 | \$111,009.15 | | \$111,009.15 | \$5.550.46 | \$116 559 61 See item 2 |
| | 3 Pipe | \$5,235.57 * | \$3,448.06 | \$8,683.63 | \$1,960.12 | \$10,643.75 | \$2,136.53 | \$12.780.27 * Not of inventory additerment See item 2 |
| | 4 Gate Valves | \$11,821.55 * | \$7,284.64 | \$19,106.19 | \$2,433.73 | \$21,539.92 | \$2,555.42 | \$24.095.34 * Net of inventory adjustment See Item 4 |
| | | \$41,717.68 * | \$34,909.30 | \$76,626.98 | \$9,048.66 | \$85,675.64 | \$9,501.10 | \$95.176.74 * Net of inventory adjustment. See Item 5 |
| | 6 Gate & Service Boxes | \$7,017.88 * | \$11,351.03 | \$18,368.91 | \$1,802.70 | \$20,171.61 | \$1,892.84 | \$22,064.45 * Net of inventory adjustment. See item 6. |
| | 7 Copper | \$14,252.16 * | \$7,392.02 | \$21,644.18 | \$4,546.95 | \$26,191.14 | \$5.229.00 | \$31 420 13 * Not of inventory adjustment Con item 7 |
| | 8 Hydrants & Hydrant Parts | \$48,264.93 * | \$33,459.50 | \$81,724.43 | | \$81,724.43 | \$20,244.69 | \$101.969.11 * Net of inventory adjustment. See Item 9 |
| I O I AL 62060 Materials & Supplies - T&DM | | \$292,209.77 | \$107,769.08 | \$399,978.85 | \$22,248.25 | \$422,227.10 | \$50,373.59 | \$472,600.69 |
| 63630 Contractual Services Other WTO | | | | | | | | |
| | 9 120 Water Audit | \$0.00 | \$132,000.00 | \$132,000,00 | | \$132,000,00 | | אין טיין רבויף |
| | | | | | | 000000000000000000000000000000000000000 | | |
| TOTAL 63630 Contractual Services Other - WTO | | \$0.00 | \$132,000.00 | \$132,000.00 | \$0.00 | \$132,000.00 | \$0.00 | \$132,000,00 |
| 63650 Contractual Services Other - T&DO | | | | | | | | |
| | 10 Digsafe & Answering Service | \$34,113.00 | \$5,287.52 | \$39,400.52 | \$1,970.03 | \$41,370.54 | \$2,068.53 | \$43,439.07 See item 10. |
| TOTAL 63650 Contractual Services Other - T&DO | | \$34,113.00 | \$5,287.52 | \$39,400.52 | \$1,970.03 | \$41,370.54 | \$2,068.53 | \$43,439,07 |

| | | and the second s | and the second s | - | | | | |
|---|--|--|--|------------------|------------------------|-------------------------------------|------------------------|---|
| | | | | | Summary of Adjustments | Adjustments | | |
| Naruc | Item# Description | Test Year FY2019 | Rate Year Adjustment R | Rate Year FY2021 | FY2022 Adjustment | 2nd Phase FY2022 | FY2023 Adjustment 3 | 3rd Phase P72023 Comments |
| 63660 Contractual Services Other - T&DM | 11 Garbage Removal | \$9,400.00 | \$4,628.00 | \$14,028.00 | | \$14,028.00 | | \$14,028.00 Garbage Removal (Vinagro) - In FY19 there was also a free site to dump in at times. As of 3/1/19 there was 12% increase in dumping fees. See Item 11. |
| | 12 Police Details | \$147,542.00 | \$8,985.31 | \$156,527.31 | \$4,695.82 | \$161,223.13 | \$4,836.69 | \$166,059.82 3 year Contractual Wage Increase for Officers (FY20 - FY23) of 3%. |
| | 13 Street Repairs | \$620,956.00 | \$17,697.25 | \$638,653.25 | | \$638,653.25 | \$36,403.24 | \$675,056.48 3 year Calendar Increase 3% (12/26/18-12/26/21). 6% Increase estimate for FY23. Note: recent legislation relating to "The Rhode Island Utility Fard Shore Boodway Repair Act" has raised the minimum roadway restoration requirements, and will result in a much larger "Street Repair" expense then anticipated at the time of the filing. This will be adressed in rebuttal. See Item 13. |
| | 14 Contractor to update flushing sequences where water main work has been done. | \$0.00 | \$25,000.00 | \$25,000.00 | | \$25,000.00 | | \$25,000.00 About 15 miles of water main rehabilitation work is accomplished every year and will impact the way all of the flushing sequences are designed. Once mains are rehabilitated you are able to design longer, more efficient flushes that reduce the amount of time it takes to flush an area and will allow you to flush the poorer water quality areas more frequently. The original sequencing was done by a consultant and internal staff resources are not available to perform this work in house in this quantity every year. See item 14. |
| | 15 Police Details - Flushing | \$2,756.00 | 00'000'05\$ | \$52,756.00 | | \$52,756.00 | | \$52,756.00 This amount needed to increase because the UDF program areas to be flushed in the next couple of years are located in areas closer to downtown where more police details will be required. The areas flushed during the test year happened to be located in areas that didn't require very many police details to accomplish the work. The majority of flushing is done between 10 PM and 6 AM to minimize this need but the areas closer to downtown still require a detail when operating valves and hydrants in the roadway even at that time of night. See Item 15. |
| TOTAL 63660 Contractual Services Other - T&DM | | \$780,654.00 | \$106,310.55 | \$886,964.55 | \$4,695.82 | \$4,695.82 \$891,660.37 \$41,239.93 | \$41,239.93 | \$932,900.30 |
| 63660 Contractual Services Engineering - A&GO | | | | | | | | |
| | 16 Contracting out pieces of C- Factor Testing for Calibration of water Model. | \$0.00 | \$75,000.00 | \$75,000.00 | | \$75,000.00 | | \$75,000.00 The current water model is in process of being updated to a new piece of software. Good practice for keeping the model up to date and accurate is to regulanty test the results of the model against what is actually found in the field. The best way to accomplish this is to perform C-factor testing on various pipes in the system on a regular basis and apply the values that you'find across the entire system. The money budgeted here will allow us to keep the model current. See item 16. |
| TOTAL 63860 Contractual Services Eng - A&GO | | \$0.00 | \$75,000.00 | \$75,000.00 | \$0.00 | \$75,000.00 | \$0.00 | \$75,000.00 |
| 63680 Contractual Services Other - A&GO | 17 Innovyze - Potential Increase in | \$15,920.00 | \$1,631.80 | \$17,551.80 | \$877.59 | \$18,429.39 | \$921.47 | \$19,350.86 New contract has been bid and the current price for this for the next |
| | Maintenace Costs 18 Engineering Studies | \$0.00 | \$100,000.00 | \$100,000.00 | | \$100,000.00 | | 5 years is \$16,338/year. See item 17. \$100,000.00 This includes such things as land records research and operations related studies such as the AWIA reporting, updates to the Water Supply Management Plan and other non project related data requests. |
| | Ш | \$0.00 | \$30,000.00 | \$30,000.00 | | \$30,000.00 | | \$30,000.00 Mobile Software access for Cityworks. See item 19. |
| | 20 Cityworks Service Contract 21 Amerseco O&M | \$0.00 | \$85,000.00 | \$85,000.00 | | \$85,000.00 | \$14,418.00 | \$85,000.00 See item 20. \$14,418.00 Rooftop Solar Array 5 years paid upfront. Will pick up the cost in |
| | 22 Daymark - 3rd party verifier | \$0.00 | \$2,500.00 | \$2,500.00 | | \$2,500.00 | | F2023. See item 21. \$2,500.00 3rd party verifier for COF Solar array REC's. See item 22. |
| | tor COF Solar array REC's. 23 Fuel System Maintenance. | \$0.00 | \$10,000.00 | \$10,000.00 | | \$10,000.00 | | \$10,000.00 Upgrades to the software package. See item 23. |

| | | | | | Summary of Adjustments | ajustments | | |
|---|--|------------------|---|------------------|---|----------------|--------------|--|
| Nario | Itam # Description | Test Vear EV2019 | Rate Year | Bata Vane EV2021 | FY2022 | 2nd Phase | FY2023 | 3-d Bluce EVANA Comments |
| | 24 BCM Security | \$65,425.00 | 00 | \$75,425.00 | | \$75,425.00 | | \$75,425.00 BCM Security Maintenance Contract is \$65k/year. Additional 10 cameras per year @ \$950/camera being added across multiple site locations to include remote locations such as pump stations, storage tank locations, and structure locations. See Item 24. |
| | 25 Fire System Maintenance | \$29,499.00 | \$10,000.00 | \$39,499.00 | | \$39,499.00 | | \$39,499.00 Annual testing and inspection as directed by Rhode Island Fire Safety Code and NIPA. Planned replacement of devices to remain compliant. Replacement of control head on the Wet Chemical System, EST 3x Fire Alarm Panel, and several smoke detector heads in the data center at COF. See Item 25. |
| | 26 Automated Business Solutions (ABS) | \$0.00 | \$8,000.00 | \$8,000.00 | | \$8,000.00 | | \$8,000.00 Document management system maintenance - management of documents both before and after the Lawson requisition process. 41 users obserded todate, 60 users anticipated upon completed deployment, See item 26. |
| | 27 Tintri SAN Storage | \$0.00 | \$49,530.16 | \$49,530.16 | -\$15,000.00 | \$34,530.16 | | \$34,530.16 Tintri SAN Storage -3 year Contract renewal 3/20. Will renew 3/23. See Item 27. |
| | 28 Vmware NSX | \$0.00 | \$69,000.00 | \$69,000.00 | -\$69,000.00 | \$0.00 | \$69,000.00 | \$69,000.00 Vinware NSX - new security product contract maintenance to begin April 2020 as a yearly contract expense. Originally thought to be a 2 Yr contract. Will need to add \$69K to FY22 in rebuttal. See item 28. |
| | 29 Sophos UTM | \$0.00 | \$100,000.00 | \$100,000.00 | -\$100,000.00 | \$0.00 | | \$0.00 Sophos UTM - Scituate contract renewal \$22.5K 3Yrs. Dupont Contract Renewal \$22.5K 3Yrs. Scada Firewall \$12.5K FY21 3Yr. Antivirus Contract Renewal \$41k 3/31/21 3Yr. See Item 29. |
| | 30 MS Office 365 | \$0.00 | \$40,000.00 | \$40,000.00 | | \$40,000.00 | | \$40,000.00 Cloud email platform. See item 30. |
| | 31 Dell RS Server Maintenance 32 Network Switch Maintenance | \$0.00 | | \$0.00 | \$81,250.00 | \$81,250.00 | -\$81,250.00 | \$0.00 Contract renewal. See item 31. \$0.00 Switch maintenance support to renew in FY22 for 3yrs. See item 32. |
| | 33 Cyber Security Scoring | \$0.00 | \$50,000.00 | \$50,000.00 | | \$50,000.00 | | \$50,000.00 See item 33/34. |
| | 34 Network Access Control | \$0.00 | \$100,000.00 | \$100,000.00 | -\$100,000.00 | \$0.00 | | \$0.00 See item 33/34. Will be a yearly expense and need to adjust FY22 and FY23 by \$100K in rebuttal. |
| | 35 Security Maintenance on new hard drives for loneer | \$0.00 | | \$0.00 | \$31,250.00 | \$31,250.00 | -\$31,250.00 | \$0.00 No longer needed. Will remove from FY22 in rebuttal. |
| | 36 EOS Systems | \$76,825.89 | \$100,000.00 | \$176,825.89 | | \$176,825.89 | | \$176,825.89 EOS Systems - Increasing bc: 1- Support to cover newly aquired Scada hardware, 2- Novell to Microsoft Conversion Project. 3- Groupwise to Microsoft Office 365 Project. See Item 36. |
| | 37 Infused Innovations | \$98,690.00 | \$206,310.00 | \$305,000.00 | | \$305,000.00 | | \$305,000.00 Infused Innovations - enterprise virtual computing infrastructure (maintenance and support); related software support (ie. VD), controllers, security servcer, etc.) See item 37. There is an additional \$100 ker that is no longer needed. Will remove from rate year 21. |
| TOTAL 63680 Contractual Services Other - A&GO | | \$286,359.89 | \$971,971.96 | \$1,258,331.85 | -\$142,622.41 \$1,115,709.44 -\$56,160.53 | \$1,115,709.44 | -\$56,160.53 | \$1,059,548,91 |
| 67570 Miscellaneous Expenses - CAO | 38 Printer Service - Postage for mailing of monthly collection | \$0.00 | \$20,160.00 | \$20,160.00 | | \$20,160.00 | | \$20,160.00 See item 38. |
| | 39 Printer Services - Mailing of collection letters. | \$0.00 | \$6,864.00 | \$6,864.00 | | \$6,864.00 | | \$6,864.00 See Item 39. |
| | 40 Postage for Monthly Bills | \$353,332.00 | \$34,939.52 | \$388,271.52 | | \$388,271.52 | | \$388,271.52 Postage - Increase Feb 2019 in Pre-sort rate from \$0.363 to \$0.389, Postage from \$0.46 to \$0.50. See item 40. |
| TOTAL 67570 Miscellaneous Expenses - CAO 65080 Transportation Expenses - AG&O | | \$353,332.00 | \$61,963.52 | \$415,295.52 | \$0.00 | \$415,295.52 | \$0.00 | \$415,295.52 |
| TOTAL 65080 Transportation Expenses - AG&O | 41 Parking Passes | \$8,460.00 | \$1,380.00 | \$9,840.00 | \$0.00 | \$9,840.00 | \$0.00 | \$9,840.00 Parking passes for Orchard Garage. See Item 41. \$9,840.00 |
| 67580 Miscellaneous Expenses - AG&O | 42 EIT Tect - OSHA Bennirement | 00 00 | 000000000000000000000000000000000000000 | \$30,000,00 | | 630,000,00 | | CONTINUE Cas from 43 |
| | | \$40,000.00 | \$20,000.00 | \$60,000.00 | | \$60,000.00 | | \$50,000.00 Lena Six Sigma Training. See item 43. |
| | 44 NEWWA & Safety Training | \$0.00 | \$28,400.00 | \$28,400.00 | \$12,300.00 | \$40,700.00 | -\$15,000.00 | \$25,700.00 See item 44. |
| | 45 Filtered Watering Stations for Public Schools | 00.04 | 00.000,0014 | 00.000,0014 | 00.000,001.6- | \$0.00 | | Solution in the installed cost for each station is: > 5.1500. Providence Water has ~114 K-12 public schools, \$1300 x 114 = |

| | | | | | | summary of | Summary of Adjustments | | |
|---|--------|---|------------------|----------------|---|--|------------------------|--------------|--|
| Naruc | ltem # | Item# Description | Test Year FY2019 | Rate Year | Rate Year FY2022 | FY2022 | 2nd Phase | FY2023 | tring Phase FY2023 |
| | 46 | Water Research Foundation - Subscription renewal increase. | 1 | \$4,128.00 | \$41,093.00 | and a second | \$41,093.00 | Adjustment | 3rd Frase F720.4.2. Comments \$41,093.00 See Item 46. |
| | 47 | 47 Association of Metropolitan Water Agencies (AMWA) | \$10,589.00 | \$529.00 | \$11,118.00 | \$500.00 | \$500.00 \$11,618.00 | \$500.00 | \$12,118.00 See item 47. |
| | 48 | 48 Registration & Inspection of Vehicles | \$3,963.00 | \$5,000.00 | \$8,963.00 | | \$8,963.00 | | \$8,963.00 RI Vehicle Emissions & Safety Testing Program Updates. \$195/mnth fee for machine, 73 vehicles/year @ \$36/inspection. See item 48. |
| TOTAL 67580 Miscellaneous Expenses - AG&O | | | \$91,517.00 | \$238,057.00 | | \$329,574.00 -\$137,200.00 \$192,374.00 -\$14,500.00 | \$192,374.00 | -\$14,500.00 | \$177,874,00 |
| Grand Total | | | \$1,846,645.66 | \$1,699,739.63 | \$1,699,739,63 \$3,546,385,29 -\$250,908,32 \$3,545,476,97 \$7,770 \$7,50 | -\$250.908.32 | \$3.295.476.97 | \$73.071.57 | C2 218 A08 A0 |

Item# 1 Sand and Gravel

Bid Prices Prices per ton

| | FY14-15 Bid Price | FY16-17 Bid Price | FY18-19 Bid Price | FY20-22 Bid Price | |
|-------------------------|-------------------|--------------------|-------------------|-------------------|----------------------------------|
| Processed Gravel | \$12.00 | \$12.96 | \$13.74 | \$14.92 | |
| Crushed Stone | \$13.20 | \$14.94 | \$16.44 | \$16.44 | |
| | | FY16-17 % Increase | FY18-19 Increase | FY20-22 Increase | AVG % of Last 3 Bid Increases |
| Processed Gravel | | 8.00% | 6.02% | 8.59% | 8% |
| Crushed Stone | | 13.18% | 10.04% | 0.00% | 8% |

| | Ex | penses | | | Projections Inclu | ded in Filing | |
|-----------------|-------------|-------------|-------------|-------------|-------------------|---------------|-------------|
| | FY17 | FY18 | FY19 | FY20 | FY21 | FY22 | FY23 |
| Sand and Gravel | \$49,879.00 | \$61,472.00 | \$58,177.00 | \$60,451.72 | \$62,815.38 | \$65,271,46 | \$68,535.04 |
| % Increase | | 23.24% | -5.36% | 3.91% | 3.91% | 3.91% | 5.00% |
| \$ Increase | | \$11,593.00 | -\$3,295.00 | \$2,274.72 | \$2,363.66 | \$2,456.08 | \$3,263.57 |

^{*}Fiscal Years 2021 and 2022 include a 3.91% increase based on the actual expense increase of FY20 over FY19.

^{*}Fiscal Year 2023 includes a conservative combined gravel and stone increase of 5%. Stone bid price remained the same the last 2 contracts, so will most likely increase with FY23 contract.

Item# 2 Asphalt

| | | Bid Prices Prices per t | on | | |
|------------|-------------------|-------------------------|-------------------|-------------------|-------------------------------------|
| | FY14-15 Bid Price | FY16-17 Bid Price | FY18-19 Bid Price | FY20-22 Bid Price | |
| Cold Patch | \$102.00 | \$98.00 | \$100.00 | \$105.00 | |
| | | FY16-17 % Increase | FY18-19 Increase | FY20-22 Increase | AVG % of Last 3 Bid Increases |
| Cold Patch | | -3.92% | 2.04% | 5.00% | 1% |

| | Ex | penses | | Pr | ojections includ | ded in Filing | |
|-------------|-------------|-------------|--------------|--------------|------------------|---------------|--------------|
| | FY17 | FY18 | FY19 | FY20 | FY21 | FY22 | FY23 |
| Asphalt | \$75,661.00 | \$93,390.00 | \$105,723.28 | \$111,009.43 | \$111,009.43 | \$111.009.43 | \$116.559.89 |
| % Increase | | 23.43% | 13.21% | 5.00% | 0.00% | 0.00% | 5.00% |
| \$ Increase | | \$17,729.00 | \$12,333.28 | \$5,286.15 | \$0.00 | \$0.00 | \$5,550.46 |

^{*}FY20-22 bid is an increase of 5%

Average actual expense increase from FY18 to FY19 was 13.21% so a 5% projection included in filing is conservative.

^{*}Projected FY23 with 5% increase because current bid price is for three years. FY 20-22 bid was a 5% increase after a two year bid therefore we are expecting a minimum of 5% after this current 3 year bid.

Item# 3 Pipe

| Prices Prices pe | r foot | | | | |
|------------------|-------------------|--------------------|-------------------|---------------------------------|------------------|
| | FY14-15 Bid Price | FY16-17 Bid Price | FY18-19 Bid Price | FY18-19 Zinc Addendum | FY20 Bid Price |
| 4" DI Pipe | \$15.89 | \$17.00 | \$16.28 | \$18.40 | \$20.00 |
| 6" DI Pipe | \$17.42 | \$14.80 | \$11.91 | \$14.80 | \$16.25 |
| 8" DI Pipe | \$23.83 | \$20.63 | \$17.16 | \$19.86 | \$21.85 |
| 12" DI Pipe | \$39.23 | \$34.08 | \$27.69 | \$32.61 | \$36.05 |
| Total | \$96.37 | \$86.51 | \$73.04 | \$85.67 | \$94.15 |
| | | FY16-17 % Increase | FY18-19 Increase | Increase because of Zinc change | FY20-22 Increase |
| DI Pipe | | 6.99% | -4.24% | 13.02% | 8.70% |

| | Expenses | | Proj | ections Included in Fil | ing |
|-------------|-------------|-------------|-------------|-------------------------|-------------|
| | FY19 | FY20 | FY21 | FY22 | FY23 |
| Pipe | \$12,130.16 | \$13,854.19 | \$15,578.22 | \$17,538.34 | \$19,674.87 |
| % Increase | | 14% | 12% | 13% | 12% |
| \$ Increase | | \$1,724.03 | \$1,724.03 | \$1,960.12 | \$2,136.53 |

Increase in FY19 and beyond is because we switched to Zinc coated DI Pipe. Zinc Coated pipe costs more to produce.

Item# 4 Gate Valves

| | | Fiscal Year 2014- 2015 Prices | Fiscal Year 2016-2017 Prices | Fiscal Year 2018-2019 Prices | Fiscal Year 2020 Prices |
|----------------------------|-----|----------------------------------|------------------------------------|------------------------------------|----------------------------|
| Resilient Valves (Gate) | 4" | \$357.16 | \$346.44 | \$319.28 | \$358.38 |
| Resilient Valves (Gate) | 6" | \$456.06 | \$441.89 | \$407.25 | |
| Resilient Valves (Gate) | 8" | \$725.92 | | | \$457.12 |
| Resilient Valves (Gate) | 12" | | \$703.78 | \$648.62 | \$728.04 |
| Resilient Valves (Tapping) | | \$1,432.29 | \$1,388.51 | \$1,279.69 | \$1,436.39 |
| Resilient Valves (Tapping) | 4" | \$450.57 | \$437.05 | \$402.80 | \$452.12 |
| | 6" | \$636.17 | \$617.08 | \$568.71 | \$638.35 |
| Resilient Valves (Tapping) | 8" | \$945.09 | \$915.93 | \$844.15 | \$947.51 |
| Resilient Valves (Tapping) | 12" | \$2,152.11 | \$2,086,48 | \$1,922.96 | \$2,158,42 |
| Total | | \$7,155.37 | | | |
| % Increase | | \$7,133.37 | \$6,937.16 | \$6,393.46 | \$7,176.33 |
| | | A RESERVED BY THE | -3.05% | -7.84% | 12.24% |

| | Expenses | Pr | ojections Inclu | ded in Filing | |
|-------------|-------------|-------------|-----------------|---------------|------|
| | FY19 | FY20 | FY21 | FY22 | FY23 |
| Gate Valves | \$27,389.03 | \$31,031,35 | \$34,673.67 | \$37 107 40 | |
| % Increase | | 13% | 12% | 7% | 7% |
| \$ Increase | | | \$3,642.32 | | |

We are requiring 2 gate valves for all services over 15 feet in length.

Our water quality division is also identifying gate valves in need of replacement during water main flushes, which has attributed to the increase in the need of this line item.

Item #5 Fittings

| | Expenses | | Projec | cted in Filing | |
|-------------|-------------|--------------|--------------|----------------|--------------|
| | FY19 | FY20 | FY21 | FY22 | FY23 |
| Fittings | \$96,654.54 | \$114,109.19 | \$131,563.84 | \$140,612.50 | \$150,113.60 |
| % Increase | | 18% | 15% | 7% | 7% |
| \$ Increase | | \$17,454.65 | \$17,454.65 | \$9,048.66 | \$9,501.10 |

We are now purchasing only American made products which are at a higher cost than imported parts.

Item# 6 Gate and Service Boxes

| | | Bid Prices | | |
|----------------------------|-------------------|-------------------|-------------------|----------------|
| | FY14-15 Bid Price | FY16-17 Bid Price | FY18-19 Bid Price | FY20 Bid Price |
| Complete Gate Boxes | \$49.00 | \$59.00 | \$112.00 | \$127.36 |
| Service Boxes | \$35.00 | \$40.00 | \$34.75 | \$36.00 |
| Total | \$84.00 | \$99.00 | \$146.75 | \$163.36 |
| % Increase | | 18% | 48% | 11% |

| | Expenses | Projected in Filing | | | | | |
|------------------------|-------------|---------------------|-------------|-------------|-------------|--|--|
| | FY19 | FY20 | FY21 | FY22 | FY23 | | |
| Gate and Service Boxes | \$16,364.68 | \$22,040.20 | \$27,715.71 | \$29,518.41 | \$31,411.25 | | |
| % Increase | | 35% | 26% | 7% | 6% | | |
| \$ Increase | | \$5,675.52 | \$5,675.52 | \$1,802.70 | \$1,892.84 | | |

We are now purchasing only American made products which are at a higher cost than imported parts.

Item# 7 Copper

of Service Installations and Replacements

| | FY16 | FY17 | FY18 | FY19 | |
|--------------------------|------|-------|--------|--------|----------------------|
| Service Installations | 111 | 116 | 152 | 287 | Avg 3 Yr Increase |
| % Increase | | 4.50% | 31.03% | 88.82% | 41% |

| | Expenses | Projected in Filing | | | | | |
|-------------|-------------|---------------------|-------------|-------------|-------------|--|--|
| | FY19 | FY20 | FY21 | FY22 | FY23 | | |
| Copper | \$14,252.16 | \$17,948.17 | \$21,644.18 | \$26,190.93 | \$31,419.70 | | |
| % Increase | | 26% | 21% | 21% | 20% | | |
| \$ Increase | | \$3,696.01 | \$3,696.01 | \$4,546.75 | \$5,228.77 | | |

The number of service installatons has increased consistently each year along with the increase in the metals market pricing.

Item# 8 - Hydrants and Hydrant Parts

| | | Fiscal Year 2014- 2015 Prices | Fiscal Year 2016-2017 Prices | Fiscal Year 2018-2019 Prices | Fiscal Year 2020- 2022 Prices |
|--------------|------|----------------------------------|------------------------------------|------------------------------------|----------------------------------|
| Fire Hydrant | 5' | \$1,377.00 | \$1,493.00 | \$1,392.55 | \$1,539.00 |
| Fire Hydrant | 5.5' | \$1,407.00 | \$1,526.00 | \$1,423.43 | \$1,573.00 |
| % Increase | | | 8% | -7% | 11% |

| | Expenses | Projected in Filing | | | | | |
|----------------------------|--------------|---------------------|--------------|--------------|--------------|--|--|
| | FY19 | FY20 | FY21 | FY22 | FY23 | | |
| Hydrants and Hydrant Parts | \$111,823.67 | \$128,553.42 | \$145,283.17 | \$145,283.17 | \$165,527.86 | | |
| % Increase | | 15% | 0% | 0% | 14% | | |
| \$ Increase | | \$16,729.75 | \$16,729.75 | \$0.00 | \$20,244.69 | | |

Note: bid prices in Fiscal 18-19 show a decrease because that was the first year we allowed a Mueller Fire Hydrant in our system and they bid unusually low to get their hydrant established in our system.

City of Providence



Rhode Island

Department of City Clerk

MEMORANDUM

DATE:

December 26, 2018

TO:

Purchasing Director

SUBJECT:

LEAD DATA MANAGEMENT PLATFORM - WATER SUPPLY

BOARD

CONSIDERED BY: Board of Contract and Supply

DISPOSITION:

VOTED:

that the Purchasing Director be authorized to engage 120WaterAudit, 250 South Elm, Zionsville, IN 46077, sole bidder, for Lead Data Management Platform, in a total amount not to exceed Five Hundred Thirty Eight Thousand Five Hundred (\$538,500.00) Dollars over a 3 year period, all in accordance with the offer of said firm submitted on

November 26, 2018.

cc: Pur.Dir.

Contr

WSB

File

Loui L. Alager City Clerk



December 14, 2018

Tap Water Delivers

The Honorable Mayor Jorge O. Elorza Chairman, Board of Contract and Supply City Hall Providence, RI 02903

Dear Mayor Elorza:

LEAD DATA MANAGEMENT PLATFORM FOR PROVIDENCE WATER

The Hon. Jorge O. Elorza

Date Of Bid Opening:

November 26,2018

Mayor

Ricky Caruolo General Manager

RECOMMENDED BIDDER:

120WaterAudit 250 South Elm

Zionsville, IN 46077

BOARD OF DIRECTORS

Xaykham Khamsyvoravong Chairperson

Joseph D. Cataldi Vice Chairperson Sabina Matos Councilperson Michael J. Correia

Councilperson. Lawrence J. Mancini

Ex-Officio Cristen L. Raucci, Esg. Member

Kerri Lynn Thurber Member Carissa R. Richard

Secretary William E. O'Gara, Esq. Legal Advisor

AMOUNT RECOMMENDED: Not to Exceed \$538,500.00 over a 3 year period

This letter is requesting permission to award to the sole bidder that met the proposal requirements in an amount not to exceed \$538,500.00 over three years.

I am recommending that you sign this award.

| | NAME | BASE | TOTAL |
|-------|---------------|------|--------------|
| 1 | 120WaterAudit | IN | \$538,500.00 |
| | | | |
| 80.70 | | | |
| | | | |

Additional sheet is attached (x)

(X)

On the basis of said bids, we recommend to award to the vendor, as identified on line 1 whose firm's bid has met the specifications.

MINORITY PARTICIPATION:

120WaterAudit

MBE 0%

WBE 0%

Account Code # 848-848-52885

MEMBER

Rhode Island Water Works Assn. New England Water Works Assn. American Water Works Assn. Water Research Foundation

An EPA WaterSense Partner

(401) 521-6300

125 Dupont Drive Providence, RI 02907

www.provwater.com

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Respectfully Submitted

Ricky Carugla General Manager



INTEROFFICE MEMO

To:

Beth Paguin

From:

Kathy Mello

Date:

December 14, 2018

Subject:

Recommendation of Award

Subjec

Lead Data Management Platform

Mayor Ricky Caruolo General Manager

The Hon. Jorge O. Elorza

BOARD OF DIRECTORS

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Cristen L. Raucci, Esq. Member

> Kerri Lynn Thurber Member

Carissa R. Richard Secretary

William E. O'Gara, Esq. Legal Advisor On December 10, 2018 the City of Providence Board of Contract and Supply received a single proposal from 120 Water Audit, LLC to implement a single water quality management platform for Providence Water's Lead Service Line Replacement Program, Lead and Copper Rule compliance testing, and on-demand customer lead testing.

I have thoroughly reviewed 120 Water Audit's bid package and, to the best of my knowledge, found it to be in general conformance with the requirements set forth in the Contract Documents. Therefore, I recommend that 120 Water Audit, LLC be awarded the contract for the Lead Data Management Platform for an amount not to exceed \$538,500 over a three year period (January 1, 2019 through December 31, 2021).

Funding is available from Account Code 848-848-52885.

Minority participation 0%.

MEMBER

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BOARD OF CONTRACT AND SUPPLY CITY OF PROVIDENCE, RHODE ISLAND

BID FORM 1: Bidders Blank

- 1. Bids must meet the attached specifications. Any exceptions or modifications must be noted and fully explained.
- 2. Bidder's responses must be in ink or typewritten, and all blanks on the bid form should be completed.
- The price or prices proposed should be stated both in WRITING and in FIGURES, and any proposal not so stated may be rejected. Contracts exceeding twelve months must specify annual costs for each year.
- 4. Bids SHOULD BE TOTALED so that the final cost is clearly stated (unless submitting a unit price bid), however each item should be priced individually. Do not group items. Awards may be made on the basis of total bid or by individual items.
- 5. All bids MUST BE SIGNED IN INK.

| Name of Bidder (Firm or I | | 120WaterAudit | | 5. | | |
|---------------------------------|--------------------------------------|-------------------------|------------------|--------------------|--------------------------|-----------------------------|
| Contact Name: Patric | k Moore | | | | | - |
| Business Address: | 250 St | outh Elm, Zionsville In | diana 46077 | | - | |
| Business Phone #: | | 1510 & 248 840-6439 | | | | |
| Agrees to bid on (Items(s) to | be bid): | Lead Data Manage | ment Platform fo | r Providence Wa | ater | |
| lf the bidder's company is be | sed in a state oth | er than Rhode Island. | list name and or | intert information | | Paragraph and the same of a |
| process that is docated with in | Rhode Island | aistad Applicar A | Pitan W. | | in tur 4 tocal agent for | service of |
| parentheses next to each item | .com/search/ and listed immediate | identify the NAICS C | ode(s) for items | being bid on. E | nter the NAICS code(| s) here or in |
| Delivery Date (if applicable): | See At | tached Addendum | | | | |
| Name of Surety Company (if | applicable): | | | | | |
| Total Amount in Writing*: | Unit Price Bi | d | | | | |
| Total Amount in Figures*: | Unit Price Bid | | | | | |
| ' If you are submitting a unit | te price bid, pleas | e insert "Unit Price l | 31dn | | | |
| Use additional pages if neces | | | | | it in the second | |
| | J J | - District delates | | | | |
| | | | M | gan C | : Slave | ··· |
| | | | | 2 | Signature of Re | presentation |
| | | | | 4 | CEO | |
| | | 141 | | | | Title |

Lead Data Management Platform

BID FORM

| TASK 1 – Water Quality Management Platform Program and license - Lead Service Line Replacement Program (ANNUAL FEE) | | \$ <u>25,000.00</u> |
|---|----------------|--------------------------|
| TASK 2 – Water Quality Management Platform Program and license - Lead and Copper Rule Compliance Program (ANNUAL FEE) | | \$ <mark>6,000.00</mark> |
| TASK 3 – Water Quality Management Platform Program and license - Customer Request Lead Sample Program (ANNUAL FEE) | | \$ <u>(6,000.00)</u> |
| TASK 4 – Annual Water Samples LSLR Program Cost per Sample\$75.00 | x 300 | \$_22,500.00 |
| Customer Request Lead Program Cost per Sample \$75.00 LCR Program Cost per Sample \$75.00 | x 800 x 800 | \$ 60,000.00 \$ |
| TOTAL ANNUAL BID PRICE (NOT TO EXCEED) | | \$_179,500.00 |

3 Year Contract - 120WaterAudit will hold its price for year 2 and 3 of the Contract.



Paul Sherry, JR. - Billing Calculations

From:

"Bob Finelli" <bfinelli@digsafe.com>

To:

<paulsh@provwater.com>

Date:

2/4/2020 1:49 PM **Subject:** Billing Calculations

Hi Paul,

Our billing process uses the underground mileage that you report to us each year for our billing formula. Providence Water pays a % of the budget shared with the other 650+ members of Dig Safe.

Providence Water is listed as having the following mileage total. RI - 1018 miles

This mileage total results in Providence Water's billing percentage to be .55%.

The monthly budget in 2020 is \$486,254.17 / .55% = \$2674.40 (Providence Water 2020 monthly cost)

Thanks,

Bob

Robert S. Finelli President Dig Safe System, Inc. 11 Upton Dr Wilmington, MA 01887 781-721-1191 www.digsafe.com





DIG SAFE SYSTEM, INC.

11 Upton Drive Wilmington, MA 01887 61953

PROVWATR

PROVIDENCE WATER

ATTN: A/P 152 DUPONT DRIVE PROVIDENCE, RI 02907

DATE

01/03/20

P.O. NUMBER

33679

NET 15

COST OF OPERATIONS FOR THE MONTH OF JANUARY 2020

2674.40

Invoice subtotal

2674.40

Invoice total

2674.40

APPROVED \$ 2674.40

AMT. WITHHELD: \$
PO#_40767

DATE: 1/3/20

PRINT NAME: Sherry

SIGNATURE:

TOTAL DUE IN 15 DAYS
IF YOU HAVE ANY QUESTIONS CONCERNING
THIS INVOICE PLEASE CONTACT
BOB FINELLI 781-721-1191

5309 - Providence Water

Location Address

Billing Address
Address : 552 Academy Ave
Address : PO # 32253 33153
City/State/Zip: Providence, RI 02908
Telephone :

| Current 0.00 | | Days 0.00 | 56 | Days 0.00 | 84+ Days 0.00 | Begining Bal | Charges 235.19 | Payme 23 | ents 5.19 | Balance Due 0.00 |
|-----------------|--------|--------------|-----|--------------|------------------|--------------|-------------------|-------------|--------------|---------------------|
| ixed Rate Se | rvices | | | | Quantity Service | əs | Included | Limit | Rate | |
| ase Rate | | 4 | . / | 90.00 | Alpha | | 0 | 0 | 0.50 | |
| adio | | | | 75.00 | Email | | 0 | 0 | 0.50 | |
| | | - | 165 | 0.00 | Text | | 0 | 0 | 0.50 | |
| | | | | 0.00 | Fax | | 0 | 0 | 0.50 | |
| | | | | 0.00 | Inbound Calls | | 250 | 0 | 0.50 | |
| | | | | 0.00 | Dial Out | | 0 | 0 | 0.50 | |
| | | | | 0.00 | Patch Minutes | | 0 | 0 | 0.50 | |
| | | | | 0.00 | Text Response | | 0 | 0 | 0.05 | |
| | | | | 0.00 | | | 0 | 0 | 0.00 | |
| | | | | 0.00 | | | 0 | o | 0.00 | |

Invoice / Charge Detail:

| Date | Description | Invoice Total | Payments | Credits | Balance Due |
|------------|--------------------------------|---------------|----------|---------|-------------|
| 8/9/2015 | Beginning Balance | 203.00 | 203.00 | 0.00 | 0.00 |
| 9/6/2015 | Late Payment Fee | 25.00 | 25.00 | 0.00 | 0.00 |
| 9/6/2015 | 8 9 15 to 9 5 15 | 206.88 | 206.88 | 0.00 | 0.00 |
| 10/4/2015 | Bill Cycle 9/6/15 to 10/3/15 | 193.72 | 193.72 | 0.00 | 0.00 |
| 11/1/2015 | Late Payment Fee | 10.00 | 10.00 | 0.00 | 0.00 |
| 11/1/2015 | Bill Cycle 10/4/15 to 10/31/1 | 5 186.91 | 186.91 | 0.00 | 0.00 |
| 11/29/2015 | Bill Cycle 11/1/15 to 11/28/1 | 5 180.42 | 180.42 | 0.00 | 0.00 |
| | Late Payment Fee | 10.00 | 0.00 | 10.00 | 0.00 |
| 12/27/2015 | Bill cycle 11/29/15 - 12/26/1 | 5 182.26 | 182.26 | 0.00 | 0.00 |
| 1/24/2016 | | 10.00 | 10.00 | 0.00 | 0.00 |
| 1/24/2016 | Bill Cycle 12/2715 to 1/23/16 | 186.38 | 186.38 | 0.00 | 0.00 |
| 2/21/2016 | Presidents Day | 10.00 | 10.00 | 0.00 | 0.00 |
| 2/21/2016 | Late Payment Fee | 25.00 | 25.00 | 0.00 | 0.00 |
| 2/21/2016 | Bill Cycle 1/24/16 to 2/20/16 | 317.86 | 317.86 | 0.00 | 0.00 |
| 3/20/2016 | | 25.00 | 25.00 | 0.00 | 0.00 |
| 3/20/2016 | Bill Cycle 2/21/16 to 3/19/16 | 204.93 | 204.93 | 0.00 | 0.00 |
| | Bill cycle 3/20/16 to 4/16/16 | 194.42 | 194.42 | 0.00 | 0.00 |
| | Bill Cycle 4/17/16 to 5/14/16 | 190.72 | 190.72 | 0.00 | 0.00 |
| | Bill Cycle 5/15/16 to 6/11/16 | 185.38 | 185.38 | 0.00 | 0.00 |
| 7/10/2016 | Bill cycle 6/12/16 to 7/9/16 | 183.75 | 183.75 | 0.00 | 0.00 |
| 8/7/2016 | Late Payment Fee | 10.00 | 0.00 | 10.00 | 0.00 |
| 8/7/2016 | Bill cycle 7/10/16 to 8/6/16 | 200.50 | 200.50 | 0.00 | 0.00 |
| 9/4/2016 | Bill Cycle 8/7/16 to 9/3/16 | 194.62 | 194.62 | 0.00 | 0.00 |
| 10/2/2016 | Late Payment Fee | 10.00 | 10.00 | 0.00 | 0.00 |
| | Billing Cycle 9/4/16 - 10/1/16 | | 181.90 | 0.00 | 0.00 |
| | Bill Cycle 10/2/16 - 10/29/16 | 205.99 | 205.99 | 0.00 | 0.00 |
| | Late Payment Fee | 25.00 | 25.00 | 0.00 | 0.00 |
| | Bill Cycle 10/30/16 - 11/26/10 | | 192.58 | 0.00 | 0.00 |
| 12/25/2016 | Late Payment Fee | 25.00 | 25.00 | 0.00 | 0.00 |
| | Bill Cycle 11/27/16-12/24/16 | 216.49 | 216.49 | 0.00 | 0.00 |
| | Late Payment Fee | 25.00 | 25.00 | 0.00 | 0.00 |
| 1/22/2017 | Bill Cycle 12/25/16 - 1/21/17 | 208.00 | 208.00 | 0.00 | 0.00 |
| 2/19/2017 | Late Payment Fee | 25.00 | 25.00 | 0.00 | 0.00 |
| | Bill Cycle 1/22/17 to 2/18/17 | 204.85 | 204.85 | 0.00 | 0.00 |
| | Late Payment Fee | 25.00 | 25.00 | 0.00 | 0.00 |
| | Bill Cycle 2/19/17-3/18/17 | 216.99 | 216.99 | 0.00 | 0.00 |
| 4/16/2017 | Late Payment Fee | 25.00 | 25.00 | 0.00 | 0.00 |
| 4/16/2017 | Bill Cycle 3/19/17-4/15/17 | 226.75 | 226.75 | 0.00 | 0.00 |
| 5/14/2017 | Late Payment Fee | 25.00 | 25.00 | 0.00 | 0.00 |
| 5/14/2017 | Bill Cycle 4/16/17-5/13/17 | 238.18 | 238.18 | 0.00 | 0.00 |
| 6/11/2017 | Late Payment Fee | 10.00 | 10.00 | 0.00 | 0.00 |
| 6/11/2017 | Bill Cycle 5/14/17 - 6/10/17 | 216.92 | 216.92 | 0.00 | 0.00 |
| 7/9/2017 | Bill Cycle 6/11/17- 7/8/17 | 220.58 | 220.58 | 0.00 | 0.00 |
| 8/6/2017 | Bill Cycle 7/9/16 - 8/5/17 | 247.35 | 247.35 | 0.00 | 0.00 |
| 9/3/2017 | Bill Cycle 8/6/17 - 9/2/17 | 235.11 | 235.11 | 0.00 | 0.00 |
| | Bill Cycle 9/3/17 - 9/30/17 | 236.48 | 236.48 | 0.00 | 0.00 |
| | Bill Cycle 10/1/17 - 10/28/17 | 260.88 | 260.88 | 0.00 | 0.00 |
| | Late Payment Fee | 25.00 | 0.00 | 25.00 | 0.00 |
| | Bill Cycle 10/29/17 - 11/25/17 | | 233.40 | 0.00 | 0.00 |
| | Late Payment Fee | 25.00 | 0.00 | 25.00 | 0.00 |
| | | | | 20.00 | 0.00 |



Paul Sherry, JR. - JR Vinagro A.B.C. Dumping

From:

Alex Correia <alexc@jrvinagrocorp.com>

To:

"paulsh@provwater.com" <paulsh@provwater.com>

Date:

1/23/2019 2:59 PM

Subject: JR Vinagro A.B.C. Dumping

Hi Paul,

As of right now, your dumping price for A.B.C. material is \$3.33/Ton with a \$3.00/Load Enviro Fee. There will be an increase on March 1^{st} , 2019 to \$3.73/Ton with a \$3.00/Load Enviro Fee, we will be able to hold this price until December 31^{st} , 2019.

Please let me know if we could help you with anything else.

Thank you, Alex Correia

J.R. VINAGRO CORPORATION
ALEX CORREIA
2208 PLAINFIELD PIKE - JOHNSTON, RI 02919
O: 401.943.7100 Ext: 146 | D: 401.632.4302 | C: 401.265.3302
Email: alexc@jrvinagrocorp.com

Item# 12 Police Details

| | Actual Expenses | | | Projected in Filing | | | |
|----------------|-----------------|--------------|--------------|---------------------|--------------|--------------|--------------|
| | FY17 | FY 18 | FY19 | FY20 | FY21 | FY22 | FY23 |
| Police Details | \$127,940.41 | \$126,338.00 | \$147,542.00 | \$151,968.26 | \$156,527.31 | \$161,223.13 | \$166,059.82 |
| % Increase | | -1% | 17% | 3% | 3% | 3% | 3% |
| \$ Increase | | -\$1,602.41 | \$21,204.00 | \$4,426.26 | \$4,559.05 | \$4,695.82 | \$4,836.69 |

^{*}Increase of 3% for each year in FY20-23 to account for contractual wage increases for officers

Police Detail Fees for Various Cities

| Fees | Fiscal 2019 | Fiscal 2020 | Fiscal 2121 | Fiscal 2022 |
|-----------------|--|-----------------|-----------------|-----------------|
| Tices | Cranston-Contract ends in J | | FISCAI ZIZI | FISCAI 2022 |
| Admin Fee | \$5.00 an hour | I | | |
| Detail Rate | \$47.00/\$49.00 Incr. as of 3/1/19 | | | |
| Car Fee | \$20.00 | | | |
| Overtime Fee | M-F \$49.00/ F after 6pm-Sun \$54.71 | l | | |
| Holiday Fee | \$127.50 maj. Hol/\$110.25 Small Hol | | | |
| | Johnston | | | |
| Admin Fee | \$15.00 an hour | \$15.00 an hour | \$15.00 an hour | \$15.00 an hour |
| Detail Rate | \$47.72 | \$49.15 | \$50.02 | \$50.89 |
| Car Fee | \$30.00 | \$30.00 | \$30.00 | \$30.00 |
| Overtime Fee | \$71.58 | \$73.73 | \$75.03 | \$76.34 |
| Holiday Fee | \$71.58 after 8 hr double time | \$73.73 | \$75.03 | \$76.34 |
| | N. Providence | | | |
| Admin Fee | \$5.00 an hour | \$5.00 an hour | \$5.00 an hour | |
| Detail Rate | \$49.22 / \$53.47 incr. do to No Contact | \$55.61 | \$57.56 | |
| Car Fee | \$20.00 | \$20.00 | \$20.00 | |
| Overtime Fee | \$80.21 | \$83.42 | \$86.34 | |
| Holiday Fee | \$106.94 | \$111.22 | \$115.12 | |
| 经产的以下的证明 | Providence | | | |
| Admin Fee | None | None | None | None |
| Deatil Rate | \$64.52 | \$64.52 | \$64.52 | \$64.52 |
| Car Fee | \$15.00 | \$15.00 | \$15.00 | \$15.00 |
| Overtime Fee | \$96.78 | \$96.78 | \$96.78 | \$96.78 |
| Holiday Fee | \$129.06 | \$129.06 | \$129.06 | \$129.06 |
| Admin Fee | Scituate \$5.00 | \$5.00 | \$5.00 | \$5.00 |
| Detail Rate | \$48.00 | \$48.00 | \$48.00 | \$48.00 |
| Car Fee | \$30.00 | \$30.00 | \$30.00 | \$30.00 |
| Overtime Fee | \$72.00 | \$72.00 | \$72.00 | \$72.00 |
| Holiday Fee | \$77.00 | \$77.00 | \$77.00 | \$77.00 |
| | Smithfield-New contract as of July 1, no | | 477.00 | \$77.00 |
| Admin Fee | None | None | None | None |
| Detail Rate | \$48.00 | \$53.00 | \$53.00 | \$53.00 |
| Car Fee | \$20.00 | \$20.00 | \$20.00 | \$20.00 |
| Overtime Fee | \$72.00 | \$85.00 | \$85.00 | \$85.00 |
| Holiday Fee | \$96.00 | \$106.00 | \$106.00 | \$106.00 |
| | Warwick-Contract Ends in Ju | ine | | |
| Admin Fee | \$0.50 | | | |
| Detail Rate | \$48.00 | | | |
| Car Fee | \$25.00 | | - | |
| Overtime Fee | \$72.00 | | | |
| Holiday Fee | \$72.00 | | | |

Item # 13

Item#13 Street Repair

| | FY17 | FY 18 | FY19 | FY20 | FY21 | FY22 | FY23 |
|---------------|--------------|--------------|--------------|-------------|--------|--------------|-------------|
| Street Repair | \$590,536.00 | \$538,228.00 | \$620,956.00 | | | \$638,653.25 | |
| % Increase | | -9% | 15% | 3% | 0% | 0% | 6% |
| \$ Increase | | -\$52,308.00 | \$82,728.00 | \$17,697.25 | \$0.00 | \$0.00 | \$36,403.24 |



OFFICE OF THE DIRECTOR

Department of Transportation Two Capitol Hill Providence, RI 02903

Office 401-222-2481 Fax 401-222-2086 www.dot.ri.gov

December 19, 2019

Attached, please find the <u>Minimum Standards for State and Municipal Road Repair for Utility Work</u> Document that we have prepared. The recently enacted, "THE RHODE ISLAND UTILITY FAIR SHARE ROADWAY REPAIR ACT," (R.I. General Laws 1956 § 39-2.2 et seq.) includes a provision that requires "any repaving and repair of a municipal road required by § 39-2.2-2 shall be in accordance with standards promulgated by the director of the department of transportation." RIDOT's requirements under the §39-2.2-4, Municipal Road Repair, Section of the act is limited to the promulgation of those standards.

This document sets the minimum roadway restoration requirements that must be met when utility excavation or alteration work is performed in a public roadway. These standards apply to both temporary and permanent restorations.

Please note that this document establishes only the <u>minimum</u> standards for roadway repair on both state and municipal owned roads following utility work. Municipalities, through their own respective permitting processes, are free to impose requirements that meet or exceed those stated herein. This document does not bear on a Municipality's authority to oversee or enforce roadway repair standards within its jurisdiction.

RIDOT's requirements under the §39-2.2-4, <u>Municipal Road Repair</u>, Section of the act is limited to the promulgation of these standards. Many other sections of this Act are specific to state roadways only.

Sincerely,

Peter Alviti Jr., P.E. Director



State of Rhode Island and Providence Plantations Department of Transportation

Minimum Standards for State and Municipal Road Repair for Utility Work

Peter Alviti, Jr., P.E. Director of Transportation

December 18, 2019

Introduction

This document contains the Rhode Island Department of Transportation (RIDOT) standards for state and municipal roadway repair by public utilities. The standards are produced herein in conformance with Rhode Island General Laws 1956 § 39-2.2-4.

Applicability

These standards reflect the minimum standards of road repair and repaving which must be complied with on any state or municipal owned road which is disturbed for the purposes of performing utility work, in accordance with Rhode Island General Laws 1956 § 39-2.2-4. Road-owning entities may establish stricter standards via their own permitting process.

Definitions

Final pavement restoration - Last phase of the utility work consisting of returning the impacted/disturbed portions of the roadway to the same or better condition that existed prior to the utility work.

Permanent pavement structure trench - Areas/cross sections of the roadway impacted or disturbed by the utility work that require to be rebuilt and restored to full depth from the bottom up, inclusive of backfill, gravel subbase, pavement layers.

Permittee - The party performing the construction work, whether the party named in the permit or its contractor.

Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction (RIDOT Standard Specifications) - The most recent available document of that same name, published by the Rhode Island Department of Transportation, including all revisions and addendums.

Rhode Island Standard Details – The most recent available document of that same name, published by the Rhode Island Department of Transportation, including all revisions and addendums.

A. General Provisions

- 1. Where this document or the specifications associated with the utility permit are silent, the road repair and repaving process shall be governed by the RIDOT Standard Specifications.
- 2. Any property damage caused by construction associated with this process shall be repaired and/or replaced to the satisfaction of the municipality.
- 3. Restoration of any altered roadway shall commence immediately after the completion of the alteration, and shall include, if necessary, temporary or intermediate restoration on an ongoing basis to keep the roadway smooth and bump free until the permanent restoration can be completed.
- 4. Spot checks for conformance with the utility permit may include compaction testing, pavement coring, ground penetrating radar, etc. If the permit-issuing entity deems any of the utility work non-conforming, insufficient, defective or incomplete, it is the responsibility of the Permittee to complete the repairs to the satisfaction of the permit issuer.
- 5. The Permittee will be held responsible for maintaining the final restoration work required under the utility permit for a minimum period of five (5) years starting from the date of acceptance of all work.
- 6. The RIDOT Hot Mix Asphalt Matrix is incorporated into this document by reference, and shall be applicable to utility permits.
- 7. The Rhode Island Standard Details is incorporated into this document by reference, and shall be applicable to utility permits.
- 8. In accordance with the RIDOT Standard Specifications, when the Permittee mills and overlays or otherwise resurfaces an existing roadway that will be open to traffic, and such operations damage existing traffic signal loop detectors, thereby rendering such to be non-functional, the Permittee shall restore properly operating detection within seven (7) calendar days. When existing detection is rendered non-functional by the Permittee's operations for any other reason, the Permittee shall restore properly operating detection within seventy-two (72) hours.
- B. In all instances of roadway opening for the purpose of performing utility work, Permittee shall
 - 1. Saw-cut the pavement in straight parallel lines and rectangular in shape with an abrasive wheel power saw, unless otherwise specified. Under no circumstances shall the pavement cut be made using a hammer or drop weight. All pavement cuts shall be full depth through the pavement; and,
 - 2. Backfill in maximum one (1) foot lifts and place at minimum twelve (12) inches of gravel subbase, compacted to RIDOT Standard Specifications.

- C. When installing temporary patching on all excavations which will not be permanently restored within the same working day, Permittee shall place a minimum two (2) inch temporary hot mix asphalt pavement patch each day after completion of work in a roadway segment.
- D. When performing permanent pavement structure trench restoration
 - 1. Permittee shall re-sawcut, full depth through the pavement, one (1) foot cutbacks at minimum from all vertical edges of the initial utility work trench(es) prior to installing permanent pavement.
 - 2. Permittee shall apply asphalt emulsion tack coat to all vertical and horizontal pavement surfaces prior to permanent pavement structure trench restoration.
 - 3. For state-owned roads, at a minimum, the restored pavement thickness shall match the existing depth of the roadway, or equal six (6) inches, whichever is greater. For non-state-owned roads, at a minimum, the restored pavement thickness shall match the existing depth of the roadway, or equal four (4) inches, whichever is greater.
 - 4. Class(es) of hot mix asphalt for permanent pavement shall be in accordance with the RIDOT Hot Mix Asphalt Matrix.
 - 5. If concrete base is present in the roadway, restoration shall include Class XX concrete and dowels, in accordance with the RIDOT Standard Specifications.
 - 6. The full depth permanent pavement structure trench shall be in place for a minimum thirty (30) calendar days, and for a maximum one (1) year or sooner in accordance with the municipal permit, prior to final pavement restoration.
 - 7. Permittee shall restore:
 - a. Full panels of impacted concrete sidewalk in accordance with RI Standard 43.1.0;
 - b. Full panels of impacted concrete driveways in accordance with RI Standard 43.5.0;
 - c. Impacted asphalt sidewalk full width in accordance with RI Standard 43.2.0 using Class 4.75 or 9.5 hot mix asphalt;
 - d. Impacted asphalt driveways full width using Class 9.5 hot mix asphalt;
 - e. Impacted curbing (replace) in kind and reset to original grade; and
 - f. Impacted plantable areas with loam and seed.

E. Final pavement restoration shall include:

1. Two (2) inches of micromilling and resurfacing all impacted travel lanes and/or shoulders for their full width using Class 9.5 or 12.5 hot mix asphalt. Impacted travel lanes and/or shoulders are the roadway pavement areas that the utility work trench(es) are located within. In addition to the roadway pavement areas impacted by the utility work trenches, this final pavement restoration shall also apply to all travel lanes and/or shoulders impacted by either lateral or longitudinal utility work trenches when the trenches are less than or equal to one hundred (100) feet longitudinal from one another, including the sections

- between trenches, so that no section(s) of roadway pavement less than or equal to one hundred (100) feet shall remain unpaved. This will provide a continuous final pavement between the utility work trenches.
- 2. Permittee shall apply asphalt emulsion tack coat to all vertical and horizontal pavement surfaces prior to final resurfacing.
- 3. Restoring permanent pavement markings in the same locations as originally located with epoxy resin paint, as per the RIDOT Standard Specifications.
- 4. Permanent epoxy resin pavement markings shall be placed no sooner than two (2) weeks but no later than four (4) weeks from the completion of the paving operation.
- 5. After final paving, as well as before permanent pavement markings are installed, Permittee shall install temporary waterborne reflectorized pavement markings, placed in the same locations as original markings, on any roadways opened to traffic at the completion of any day's paving operation.

Answers to Frequently Asked Questions:

1) **Q:** Why are you sending us this document.

A: The recently enacted, "THE RHODE ISLAND UTILITY FAIR SHARE ROADWAY REPAIR ACT," (R.I. General Laws 1956 § 39-2.2) includes a provision that requires "any repaving and repair of a municipal road required by § 39-2.2-2 shall be in accordance with standards promulgated by the director of the department of transportation."

2) **Q:** What is the purpose of this law?

A: The act requires public utilities to restore roadways which they altered or excavated to the satisfaction of the state or municipality controlling the roadway. It also allows for financial recovery for defective or incomplete work.

3) **Q:** What information is contained in this document.

A: This document sets the minimum roadway restoration requirements or "standards" that must be met when utility excavation or alteration work is performed in a public roadway. These standards apply to both temporary and permanent restorations.

4) **Q:** Can a Municipality choose to set its own roadway restoration standards in place of these standards.

A: A Municipality can choose to adopt, or keep in place, additional permit requirements as long as these minimum standards are met or exceeded. This document outlines only the minimum restoration standards for roadway restorations.

5) Q: Do these roadway restorations standards differ from RIDOT's permit requirements?

A: No, they do not differ. However, RIDOT may require that higher restoration standards be met on State owned roadways.

6) **Q:** What role will RIDOT have in the implementation of these standards on a local roadway.

A: RIDOT will have no role in the implementation, oversight, or enforcement of these standards.

- 7) **Q:** Would a Municipality be in full compliance with the law if it implements these standards.
 - **A:** Yes. This document establishes the <u>minimum</u> standards for roadway repair on both state and municipal owned roads following utility work. Municipalities, through their own respective permitting processes, are free to impose requirements that meet or exceed those stated herein. This document does not bear on a Municipality's authority to oversee or enforce roadway repair standards within its jurisdiction.

2019 -- H 5028 SUBSTITUTE A AS AMENDED

LC000084/SUB A/2

STATE OF RHODE ISLAND

IN GENERAL ASSEMBLY

JANUARY SESSION, A.D. 2019

AN ACT

RELATING TO PUBLIC UTILITIES AND CARRIERS - THE RHODE ISLAND UTILITY FAIR SHARE ROADWAY REPAIR ACT

Introduced By: Representatives McNamara, Kazarian, Jackson, Vella-Wilkinson, and Azzinaro

Date Introduced: January 04, 2019

Referred To: House Corporations

It is enacted by the General Assembly as follows:

| 1 | SECTION 1. Title 39 of the General Laws entitled "PUBLIC UTILITIES AND |
|---|--|
| 2 | CARRIERS" is hereby amended by adding thereto the following chapter: |
| 3 | CHAPTER 2.2 |
| 4 | THE RHODE ISLAND UTILITY FAIR SHARE ROADWAY REPAIR ACT |
| 5 | <u>39-2.2-1 Short title.</u> |
| 6 | This chapter shall be known and may be cited as the "Rhode Island Utility Fair Share |
| 7 | Roadway Repair Act." |
| 8 | 39-2.2-2. Road repair by public utility or utility facility. |
| 9 | Any public utility as defined by § 39-1-2 or any utility facility as defined by chapter 8.1 |
| 0 | of title 24 which shall alter, excavate, disrupt or disturb a roadway shall be responsible for |
| 1 | complete repaving and repair of the roadway from curbline to curbline or as required in |
| 2 | accordance with the state or municipal utility permit requirements. |
| 3 | 39-2.2-3. State road repair. |
| 4 | (a) Any repaving and repair of a state road required by § 39-2.2-2 shall be to the |
| 5 | satisfaction of the director of the department of transportation. |
| 6 | (b) All utility work within and/or upon a state road or state right-of-way requires a state |
| 7 | utility permit issued by the department of transportation prior to the work commencing. Any |
| 8 | public utility or utility facility violating this section for non-emergency utility work without a |

| 1 | state utility permit shall be fined five hundred dollars (\$500) per incident in addition to the | | |
|----|---|--|--|
| 2 | required road repaving and repair (restoration). | | |
| 3 | (c) As part of the state utility permit requirements: | | |
| 4 | (1) The public utility or utility facility shall obtain and submit to the state a performance | | |
| 5 | bond in accordance with the state utility permit application requirements prior to the state utility | | |
| 6 | permit being issued by the department of transportation; | | |
| 7 | (2) The department of transportation will contract with pre-qualified vendors (Master | | |
| 8 | Price Agreement) to conduct state certified testing and inspection services on all utility work in | | |
| 9 | accordance with the state utility permit requirements, and the public utility or utility facility shall | | |
| 10 | reimburse the department of transportation for these costs; and | | |
| 11 | 39-2.2-4. Municipal road repair. | | |
| 12 | Any repaving and repair of a municipal road required by § 39-2.2-2 shall be in | | |
| 13 | accordance with standards promulgated by the director of the department of transportation. | | |
| 14 | 39-2.2-5. Recovery for failure to repair state road. | | |
| 15 | (a) If the director of the department of transportation deems any repairing or repair of a | | |
| 16 | state road insufficient, defective, noncompliant or incomplete and requests repairs, it will be the | | |
| 17 | responsibility of the public utility or utility facility to complete the repairs to the satisfaction of | | |
| 18 | the director of the department of transportation within thirty (30) days of being notified. | | |
| 19 | (b) If the public utility or utility facility fails to complete the repairs, the department of | | |
| 20 | transportation will initiate the repairs through the performance bond claim process and/or | | |
| 21 | recovering the amount required for the repairs from the public utility or utility facility. | | |
| 22 | (c) If any payment, determined to be due from any public utility or utility facility for | | |
| 23 | reparation, reconstruction or repaying shall not be paid to the state within one year from the date | | |
| 24 | of the determination, the state shall be entitled to recover the amount due in an action of debt, | | |
| 25 | together with interest from six (6) months from the date of determination at the rate of ten percent | | |
| 26 | (10%) per annum. | | |
| 27 | SECTION 2. Section 24-5-1.1 of the General Laws in Chapter 24-5 entitled | | |
| 28 | "Maintenance of Town Highways" is hereby amended to read as follows: | | |
| 29 | 24-5-1.1. Alteration of roadways. | | |
| 30 | Any person, firm, or corporation including utilities and contractors who alter a roadway | | |
| 31 | that is subject to the provisions of this chapter shall restore that portion of the roadway which was | | |
| 32 | altered to the same or better condition that existed prior to alteration or as required in accordance | | |
| 33 | with the state or municipal permit requirements. Repaying and repair of a roadway by a public | | |
| 34 | utility or utility facility shall be in accordance with and subject to the provisions of chapter 2.2 of | | |

| 1 | <u>title 39.</u> |
|----|--|
| 2 | SECTION 3. Section 24-8-43 of the General Laws in Chapter 24-8 entitled "Construction |
| 3 | and Maintenance of State Roads" is hereby amended to read as follows: |
| 4 | 24-8-43. Alteration of roadways. |
| 5 | (a) Any person, firm or corporation including utilities and contractors who alter |
| 6 | roadway that is subject to the provisions of this chapter shall restore that portion of the roadway |
| 7 | which was altered to the same or better condition that existed prior to alteration or as required in |
| 8 | accordance with the state or municipal permit requirements. Repaving and repair of a roadway b |
| 9 | a public utility or utility facility shall be in accordance with and subject to the provisions of |
| 10 | chapter 2.2 of title 39. |
| 11 | (b) Any alteration of roadways which creates a public safety concern, as determined b |
| 12 | the public safety official of that community the municipality or the state, including the need to |
| 13 | move utility poles, shall be corrected, by the contractor and/or utility, within thirty (30) days of |
| 14 | being notified in writing of such public safety concern by the director of the department of |
| 15 | transportation. |
| 16 | (c) Restoration of any altered roadway shall commence immediately after the completion |
| 17 | of the alteration, and shall include, if necessary, temporary or intermediate restoration on a |
| 18 | ongoing basis to keep the roadway smooth and bump free until the permanent restoration can be |
| 19 | completed. |
| 20 | (e)(d) Where the alteration involves the installation or upgrading of a traffic signal(s) |
| 21 | such signal(s) shall not be activated until the alteration has been substantially completed, a |
| 22 | determined by the director of the department of transportation. |
| 23 | SECTION 4. This act shall take effect upon passage. |

LC000084/SUB A/2

EXPLANATION

BY THE LEGISLATIVE COUNCIL

OF

AN ACT

RELATING TO PUBLIC UTILITIES AND CARRIERS - THE RHODE ISLAND UTILITY FAIR SHARE ROADWAY REPAIR ACT

This act would create "The Rhode Island Utility Fair Share Roadway Repair Act" which would require public utilities or utility facilities to repave and repair roadways which have been altered or excavated by the public utility or utility facility. Repaving and repair of the roadway would be to the satisfaction of the state or municipality controlling the roadway. Financial recovery for defective or incomplete repairs is provided.

This act would take effect upon passage.

LC000084/SUB A/2



Mr. Peter DiLorenzo Providence Water Supply Board (8)

May 17, 2019

*This time period does not necessarily include time to perform C-value testing with the UDF implementation as the UDF implementation may occur outside the timeframe of this project.

This is an estimated level of effort; additional services may materially add to the time required to complete the work of the Project. The schedule will be updated as the final scope of services is defined.

FEE PROPOSAL

PW shall pay Pare Corporation an amount based on actual accrued time for services rendered by principals and employees assigned to the Project in accordance with the billing rates established under the Blanket Architectural/Engineering Services Contract submitted on October 17, 2016. Pare Corporation's estimated fee to complete the Scope of Services to complete Goals 1 and 2 outlined herein is approximately Seventy-Nine Thousand, Eight Hundred Ten Dollars (\$79,810.00). The estimated fee to complete the remaining tasks as outlined herein ranges from \$162,500 to \$194,500. A breakdown of our fee estimate is provided below.

| Task Description | Budget Estimate | |
|-----------------------------------|-----------------------|-----------------|
| Goal 1 - Update Model Assets | \$52,930.00 | |
| Goal 2 - Model Demands & Patterns | \$26,880.00 | |
| Total (Goals 1 - 2) | \$79,810.00 | |
| Goal 3 - Hydraulic Calibration | \$55,000-\$65,000 | Calibration |
| Goal 4 - Update to UDF Sequences | \$8,500-\$11,500 | — Update of UDF |
| Goal 5 - Model/UDF/Demand Updates | \$25,000-\$30,000 | — Opdate of ODF |
| Goal 6 – Training | \$60,000-\$70,000 | |
| Goal 7 – WaterGems Evaluation | \$14,000-\$18,000 | |
| Total (Goals 3 - 7) | \$162,500 - \$194,500 | å |

Thank you for the opportunity to submit this Proposal. If you have any questions, please contact us at your convenience.

Sincerely,

Timothy P. Thies, P.E.

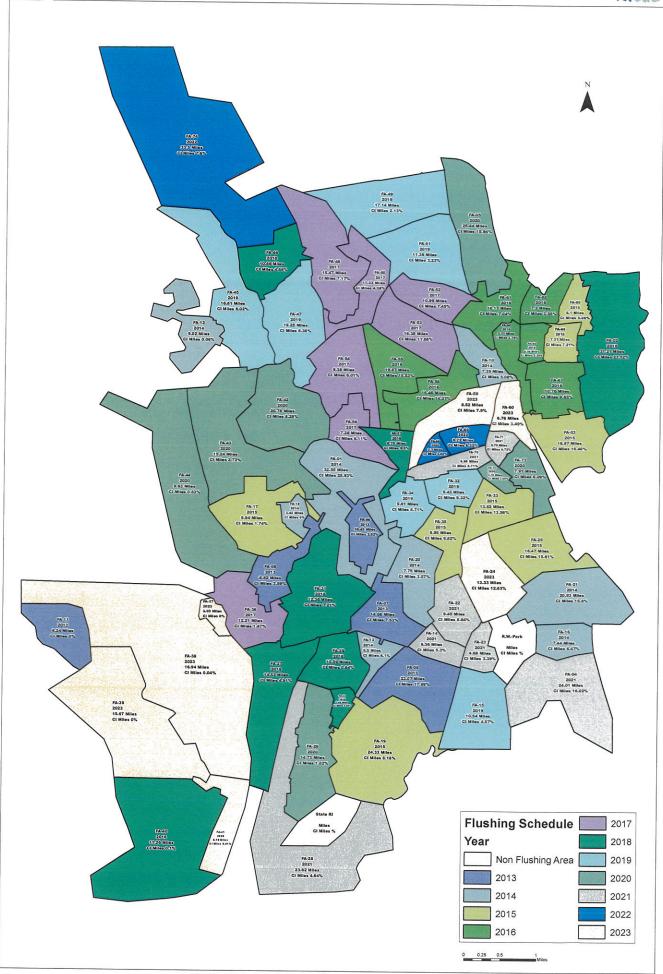
Vice President

LMG/TPT

Cc: Pare Corporation

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Mr. Peter DiLorenzo Providence Water Supply Board

(8)

May 17, 2019

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Sincerely,

Timothy P. Thies, P.E.

Vice President

LMG/TPT

Cc: Pare Corporation

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BID TABULATION SHEET

Providence Water Hydraulic Model Software Blanket Contract 2020 through 2024 Bid Opening Date: October 15, 2019

Project Description:

| Biddei's Name: | Innovyze Inc. | Bentley Systems, Inc. |
|---|---|--|
| Bidder's Address: | 6720 SW Macadam Ave Suite 150 Portland, OR 97219 | 685 Stockton Drive Exton, PA 19341 |
| Contact | Keith Hodsden 802-758-2018 | Bryan Martinez 484-691-2993 |
| Software Package Provided Base Software/License Cost (2 Licenses) Software Annual Maintenance Cost (2 Licenses - 5 Years) | IntoWater Sulte (Unlimited Links) Floating \$0.00 \$59,284.77 | WaterGEMS s29,574.00 (\$61,690.00) Operations Budget |
| Model 1 UDF Module License Cost (2 Licenses) Module 1 UDF Module O&M (2 Licenses - 5 Years) | \$0.00 \$74,065.91 | Included |
| Module 2 Multi-Species Extension License Cost (2 Licenses) Module 2 Multi-Species Extension O&M (2 Licenses - 5 Years) | \$6,300.00 \$14,919.20 | tncluded Included |
| Module 3 InfoAsset Planner License Cost (2 Licenses) Module 3 InfoAsset Planner O&M (2 Licenses - 5 Years) | \$246,000.00 \$265,230.30 | Included Included |
| Training (2 Days for Infowater and 5 Days for WaterGEMS) | \$10,000.00 | \$11,250.00 |
| Total Price | \$669,750.19 | \$122,514.00 |
| Surety Company: | Not Required | Not Required |
| Minority Participation: | Goal 0% MBE 0% WBE | Goal 0% MBE 0% WBE |
| Comments | Bidder conforms to Bid Requirements | Bidder conforms to Bid Requirements |
| Recommendation: Award is recommended to the low five (5) year Blanket Contract. | Award is recommended to the lowest qualified bidder, Bentley Systems, Inc., in amount not to exceed \$122,514.00. This is a five (5) year Blanket Contract. | unt not to exceed \$122,514.00. This is a |

Principal Engineer Manager of Planning and Development

Required Signatures

Director of Engineering

eter R. LePage

10/54/19



250740-0-P027 January 27, 2020

Mr. Matthew Gallant Division Manager Providence Water 125 Dupont Drive Providence, RI 02907

Re: Risk and Resilience Assessment and Emergency Response Plan Update **Proposal for Consulting Services**

In response to your request, Tighe & Bond is pleased to submit this proposal for consulting services related to the Risk and Resilience Assessment and Emergency Response Plan update required by the America's Water Infrastructure Act of 2018.

Background

Section 2013 of America's Water Infrastructure Act of 2018 (AWIA) requires community water systems that serve more than 3,300 people to complete a risk and resilience assessment (RRA) and update an emergency response plan (ERP).

For community water systems serving a population of 100,000 or greater, an RRA must be completed and certification of its completion must be submitted to the U.S. Environmental Protection Agency (EPA) by March 31, 2020. A risk and resilience assessment identifies critical assets and assesses the risks associated with the worst reasonable malevolent and natural threats on each asset based on the consequence and likelihood of the threat and vulnerability of the asset. The assessment is required to include an evaluation of the resilience of the system's infrastructure and electronic, computer, and other automated systems, and the monitoring practices, financial infrastructure, chemical handling, and operations and maintenance of the system.

An updated ERP must be completed and certification must be submitted to the U.S. EPA no later than six months after the RRA certification is submitted, or no later than September 30, 2020 for systems serving a population of 100,000 or greater. An ERP includes the following components: strategies and resources to improve resilience, including physical security and cybersecurity; plans and procedures for responding to a natural hazard or malevolent act that threatens safe drinking water; actions and equipment to lessen the impact of a malevolent act or natural hazard, including alternative water sources, relocating intakes, and flood protection barriers; and strategies to detect malevolent acts or natural hazards that threaten the system.

AWIA does not require the use of any standards, methods, or tools for the risk and resilience assessment or ERP. Providence Water (PW) is responsible for ensuring that the RRA and ERP address all of the criteria in AWIA Section 2013(a) and (b), respectively. Standards, including AWWA J100-10 Risk and Resilience Management of Water and Wastewater Systems, along with tools from the U.S. EPA and other organizations, are available.

Scope of Work

Task 1.1 - Kickoff Meeting



Tighe & Bond will conduct a kick-off meeting and field visit with PW to discuss the goals of, and proposed approach to the project. We will prepare an agenda prior to the meeting and meeting summary notes after the meeting. The agenda will include a discussion of information requirements and schedule for completing the remaining tasks. Due to the sensitive nature of Risk and Resilience Assessments, procedures will be established to control sensitive information and prevent inadvertent disclosure.

Task 1.2 - Data Collection

Tighe & Bond will review existing reports provided by PW, including previous risk assessments, emergency response plans, and the Continuity of Operations Plan (COOP), to identify known critical assets and threats.

Task 1.3 -Workshop Preparation

Tighe & Bond will prepare materials to conduct Risk & Resilience Assessment workshops with PW. American Water Works Association (AWWA) J-100 standards will be used as a guide to evaluate all-hazards risk and resilience management processes for PW. This scope assumes no more than 700 threat-asset pairs will be evaluated. A preliminary list of PW critical assets to be considered is provided in Table 1.

Task 1.4 - Workshop 1: Critical Assets, Threats, and Consequences

Tighe & Bond will conduct Workshop 1 for members of PW staff to accomplish the following Risk & Resilience Assessment steps:

- Identify critical assets
- Identify reasonable threats
- Estimate the consequences of a successful threat

We envision that this workshop will be conducted in separate workgroups with PW's source water, treatment, storage, and distribution staff. We anticipate that the sessions can be completed in 10 hours on-site over two days. We have budgeted for a senior management staff member, project engineer, and staff engineer to attend to facilitate the workshop. We have assumed that the PW staff will be familiar with the critical assets, threats, and consequences and that field visits by Tighe & Bond will not be required.

Task 1.5 -Workshop 1 Data Processing

After Workshop 1, Tighe & Bond will input the threat-asset pairs and consequence values into the EPA Vulnerability Self-Assessment Tool (VSAT) and eliminate the lowest risk pairs.

Task 1.6 - Workshop 2: Threat Likelihood and Vulnerability

Tighe & Bond will conduct Workshop 2 for members of PW to follow up on the results of Workshop 1 and accomplish the following steps:

- Approve of eliminating the lowest consequence pairs
- Estimate threat likelihood for remaining pairs
- Estimate vulnerability of critical assets to remaining threats

We envision that this workshop will be conducted in separate workgroups with PW's source water, treatment, storage, and distribution staff. We anticipate that the sessions can be completed in 10 hours on-site over two days. We have budgeted for a senior management staff member, project engineer, and staff engineer to attend to facilitate the workshop.

Task 1.7 - Workshop 2 Data Processing

After Workshop 2, Tighe & Bond will calculate the risk associated with each threat-asset pair and develop a list of the highest risk pairs. We will prepare preliminary recommendations for improving the resilience of assets associated with the highest risk pairs.

Task 1.8 - Workshop 3: Risk Mitigation

Tighe & Bond will conduct a Risk Mitigation Workshop for members of PW staff to review the results of the Risk Assessment Workshops and evaluate risk reduction measures that could be implemented. The mitigation measures will be weighed based on their ability to decrease risk and the cost of the measure.

We envision that this workshop will be conducted in separate workgroups with PW's source water, treatment, storage, and distribution staff. We anticipate that the sessions can be completed in 8 hours on-site over two days. We have budgeted for a senior management staff member, project engineer, and staff engineer to attend to facilitate the workshop.

Task 1.9 - Cyber Security Assessment

Tighe & Bond will conduct one Cyber Security Workshop with PW IT staff to gather information on the vulnerability of electronic, computer, and other automated systems and a means to secure these systems, using the AWWA Cybersecurity Tool. It is assumed that PW IT staff will be familiar with the electronic assets and their vulnerabilities and that a cybersecurity expert is not required.

Task 1.10 - Draft Report

Tighe & Bond will prepare a draft Risk and Resilience Assessment Report. The report will document the Risk & Resilience Assessment steps implemented and provide recommendations to reduce vulnerabilities of critical assets. Five draft hard copies of the report will be provided to PW for review.

Task 1.11 - Final Report

Tighe & Bond will incorporate PW comments into a final report and provide five hard copies.

B. EXCLUSIONS

In an effort to provide a reasonable budget for the desired services, Tighe & Bond has prepared a detailed scope of services based upon our understanding of the project needs. In this same regard, the following section describes those services that were not included in the development of the budgetary estimate.

- An updated Emergency Response Plan is not included in this scope of work but can be added as a separate project with an agreed upon scope and fee following completion of the RRA.
- Site visits and inspections to identify vulnerabilities are not included in this scope.
 Tighe & Bond will rely on PW system knowledge and experience for information regarding system vulnerability.
- No sub-consultant services are included in this scope.

C. COMPENSATION

Compensation shall be on a time and material basis in accordance with the submitted billing rates.

Tighe & Bond will perform the scope of work noted above for a not to exceed fee of \$57,000. We will undertake this work on an hourly plus expense basis and you will be billed in accordance with the On-Call Agreement with Providence Water billing rates authorized on

November 26, 2016. Reimbursable expenses performed by other than Tighe & Bond employees, such as subcontractors, materials purchased directly for this project, and permitting fees will be invoiced at cost plus ten percent. In the event that the scope of work is increased for any reason, the fee to complete the work shall be mutually revised by written amendment.

D. SCHEDULE

Milestone dates associated with this project are as follows:

| • | Notice to Proceed by PW | January 2020 |
|---|---|--------------------|
| | Kick-off meeting | |
| | Risk Assessment Workshop 1 | |
| • | Risk Assessment Workshop 2 | mid February 2020 |
| • | Cyber Security Workshop | late February 2020 |
| • | Risk Mitigation Workshop | March 2020 |
| • | Risk and Resilience Assessment Draft Report | March 2020 |
| • | Final Report | March 31, 2020 |

PW'S RESPONSIBILITIES

• Coordinate workshop time and locations and timely review and comment and/or approval of Engineer's report so that the project schedule is not adversely impacted.

We look forward to working closely with you to make this project a success. Please contact us if you have any questions, comments, or require additional information. Thank you for considering Tighe & Bond for these services.

Very truly yours,

TIGHE & BOND, INC.

Benjamin R. Levesque, PE Vice President

vice riesident

Copy: Peter LePage, Providence Water

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Table 1 - Critical Assets

| Table 1 - Critical Assets Location | Structure |
|--|---|
| Location | Gainer Dam and Spillway |
| Scituate Reservoir | Reservoir |
| | Gate House and Intakes |
| | |
| | 90" Raw Water Line |
| | Twin 60" Raw Water Lines |
| | Meter Chamber - Twin 60" Tunnel Outlet |
| Raw Water Supply | Blow Off Chamber 12"/36" Outlets |
| | Junction Chamber |
| 1 | Raw Water Booster Pumping Station |
| | Inlet Gatehouse/Aeration Chamber |
| | Inlet Tunnel |
| | Main Building |
| | Filtration Building |
| | West Portal |
| | Sedimentation Basins (include Tangential Mixer) |
| Philip J Holton Water Purification Plant | Chlorine Delivery |
| | Chlorine Storage |
| | |
| | Wash Water Storage Tank |
| | Service Water Storage Tank |
| | Chemical Storage (Lime, Fluoride, Sili Acid and Ferric Sulfate) |
| | 102" |
| | 90" |
| | 78" |
| | 66" |
| Trans-mission Main | 60" |
| | East Portal |
| | Siphone Chamber |
| | Structure D |
| | Structure E |
| | Bath Street Pumping Station |
| | Ashby Street Booster Pumping Station |
| | |
| | Dean Estates Pumping Station |
| Pumping Stations | Cranston Commones Pumping Station |
| | Alpine Estates Pumping Station |
| | Aqueduct Pumping Station |
| | Greenville Pumping Station |
| | Neutaconkanut Pumping Station |
| | Waltham St Pumping Station |
| | Fruit Hill Pumping Station |
| | Longview Resrvoir |
| | Ridge Road Reservoir |
| Storage Facilities | Lawton Hills Reservoir |
| | Aqueduct Resrervoir Greenville Avenue Reservoir |
| | Neutaconkanut Reservoir |
| | Wholesale Meter Structures/Connections |
| Distribution System | Fire Hydrants |
| | Service Connections |
| 4 d - 1 - 4 - 11 - 2 - 1111 | Dupont Administration Building |
| Adminstration Facilities | Forestry Garage Watershed Storage Facility |
| | materianea Storage racincy |

City of Providence

Procurement# 27299



Rhode Island

Department of City Clerk

MEMORANDUM

DATE:

November 25, 2019

TO:

Purchasing Director

SUBJECT:

APPROVAL OF PAYMENT, TO TDC GROUP, INC., FOR PROVIDENCE WATER'S ASSET MANAGEMENT SYSTEM – WATER SUPPLY BOARD

CONSIDERED BY:

Board of Contract and Supply

DISPOSITION:

VOTED:

that the Purchasing Director hereby authorizes approval of Payment, to TDC Group, Inc., for Providence Water's Asset Management System, to maintain the existing support agreement in order to continue receiving technical assistance, remote diagnostics, application support and software licensing support releases directly from TDC Group to effectively support PW's Freeance Mobile for Cityworks software, TDC Inc. is the only approved provider of these services, for a total amount not to exceed Sixty Thousand Dollars (\$60,000.00), all in accordance with

the request of Ricky Caruolo, General Manager, in communication dated November 12, 2019.

cc: Pur.Dir. Contr. WSB File

B'

Shown Selleck

City Clerk



November 12, 2019

The Honorable Mayor Jorge O. Elorza Chairman, Board of Contract and Supply City Hall 25 Dorrance Street Providence, RI 02903

The Hon. Jorge O. Elorza Mayor

RE: Annual Support for Freeance Mobile for Cityworks

Ricky Caruolo General Manager

Dear Mayor Elorza:

BOARD OF DIRECTORS

Xaykham Khamsyvoravong Chairperson

> Joseph D. Cataldi Vice Chairperson

> > Jo-Ann Ryan Councilperson

Lawrence J. Mancini Ex-Officio

Cristen L. Raucci, Esq. Member

> Kerrl Lynn Thurber Member

Carissa R. Richard Secretary

William E. O'Gara, Esq. Legal Advisor

MEMBER

Rhode Island Water Works Assn. New England Water Works Assn. American Water Works Assn. Water Research Foundation

An EPA WaterSense Partner

(401) 521-6300

125 Dupont Drive Providence, RI 02907

www.provwater.com

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Ricky Caruolo General Manager

It is requested that the Mayor approve and the Board of Contract and Supply authorize Providence Water (PW) to make payments to TDC Group Inc., in an amount not to exceed \$60,000.00 for remaining two years of the current agreement.

In September of 2016, the Board of Contract awarded EMA Inc. a contract through September 30, 2019. TDC Group's mobile work order software, Freeance, was included in this contract. The software is the mobile solution that PW utilizes in conjunction with their asset management system, Cityworks, to track and update the data related to all of the maintenance performed, both preventative and corrective, on all of the major assets at PW.

PW has successfully maintained an annual support agreement with TDC Group Inc. since the software's initial installation through our contract with our implementation vendor. Now that the initial implementation is substantially complete, it is imperative that PW continue maintaining the existing support agreement directly with TDC Group Inc. in order to continue receiving technical assistance, remote diagnostics, application support and software licensing support releases directly from TDC Group in order to effectively support PW's Freeance Mobile for Cityworks software. TDC Group Inc. is the only approved provider of these services.

It is therefore recommended that the Mayor approve and the Board of Contract authorize payments to TDC Group Inc., in an amount not to exceed \$60,000.00.

Funds are available in Operations Fund Account: 601-320-52911.

Minority Participation: MBE 0% WBE 0%

Respectfully Submitted, PROVIDENCE WATER



1 Oakwood Ave. #387 Dayton OH 45409

Providence Water 125 Dupont Drive Providence, RI 02907

Quotation

| DATE Quotation No. | | | | |
|----------------------------|--|--|--|--|
| 11/14/2019 212523 | | | | |
| Phone # 937-531-7214 | | | | |
| Contact: Debbie Reddington | | | | |
| dreddington@freeance.com | | | | |

| ITEM | DESCRIPTION | | TOTAL |
|------------|--|-------------------------|-------------|
| FMCWAMS | Freeance Mobile for Cityworks AMS-Annual Use Fee Lid hundred device users (100). Beginning 1/31/2020 to 1 | cense. One /31/2021. | 30,000.00 |
| FMCWAMS | Freeance Mobile for Cityworks AMS-Annual Use Fee Lich hundred device users (100). Beginning 1/31/2021 to 1, | cense. One /31/2022. | 30,000.00 |
| | | | |
| Thank You. | , | TOTAL | \$60,000.00 |



Rhode Island

Department of City Clerk

MEMORANDUM

DATE:

November 25, 2019

TO:

Purchasing Director

SUBJECT:

APPROVAL OF PAYMENT, TO AZTECA SYSTEMS LLC, FOR PROVIDENCE WATER'S ASSET MANAGEMENT SYSTEM – WATER SUPPLY BOARD

CONSIDERED BY:

Board of Contract and Supply

DISPOSITION: VOTED:

that the Purchasing Director hereby authorizes approval of Payment, to Azteca Systems LLC, for Providence Water's Asset Management System, to maintain the existing support agreement in order to continue receiving technical assistance, remote diagnostics, application support and software licensing support releases directly from Azteca Systems LLC to effectively support PW's Cityworks, Azteca Systems LLC is the only approved provider of these services, for a total amount not to exceed One Hundred Sixty Four Thousand Eight Hundred Dollars (\$164,800.00), all in accordance with the request of Ricky Caruolo, General Manager, in communication dated November 12, 2019.

cc: Pur.Dir. Contr. WSB File

B'

Slawn Selleck

City Clerk



November 12, 2019

The Honorable Mayor Jorge O. Elorza Chairman, Board of Contract and Supply City Hall 25 Dorrance Street Providence, RI 02903

The Hon. Jorge O. Elorza Mayor

> Ricky Caruolo General Manager

RE: Annual Support for Cityworks

Dear Mayor Elorza:

BOARD OF DIRECTORS

Xaykham Khamsyvoravong Chairperson

> Joseph D. Cataldi Vice Chairperson

> > Jo-Ann Ryan Councilperson

Lawrence J. Mancini Ex-Officio

Cristen L. Raucci, Esq. Member

> Kerri Lynn Thurber Member

> Carissa R. Richard Secretary

William E. O'Gara, Esq. Legal Advisor

MEMBER

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125 Dupont Drive Providence, RI 02907

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It is requested that the Mayor approve and the Board of Contract and Supply to authorize Providence Water (PW) to make payments to Azteca Systems LLC, in amount not to exceed \$164,800.00 for the remaining two years of the current agreement.

In September of 2016, the Board of Contract awarded EMA Inc. a contract through September 30, 2019. Azteca Systems asset management system software, Cityworks, was included in this contract. The system tracks and organizes the data on all of the maintenance performed, both preventative and corrective, on all of the major assets at Providence Water.

PW has successfully maintained an annual support agreement with Azteca Systems since the software's initial installation through our contract with our implementation vendor. The initial implementation is substantially complete, it is imperative that PW continue maintaining the existing support agreement directly with Azteca Systems in order to continue receiving technical assistance, remote diagnostics, application support and software licensing support releases directly from Azteca Systems in order to effectively support PW's Cityworks Asset Management system. Azteca Systems is the preferred vendor for this service as they are Azteca Systems only approved provider of these services.

It is therefore recommended that the Mayor approve and the Board of Contract authorize payments to Azteca Systems LLC, in an amount not to exceed \$164,800.00.

Funds are available in Operations Fund Account: 601-320-52911.

Minority Participation: MBE 0% WBE 0%

Respectfully Submitted, PROVIDENCE WATER

Ricky Caruolo General Manager



Quote Number

Q-09301-1

Created Date

11/19/2019

Expiration Date

2/19/2020

Contact Information

Contact Name:

Chris Labossiere

Prepared By

Gregor Wilke

Organization:

Providence (RI), Water Supply

Name: Prepared By (801) 523-2751

Contact Address:

Board

Phone:

125 Dupont Drive Providence, RI

02907

Quote Lines

| Product Name | Quantity/ Population | Net Unit Price | |
|--------------------------|-------------------------|----------------|--|
| ELA - SERVER AMS PREMIUM | 1.00 | \$81,600.00 | |
| | TOTAL: | \$81,600.00 | |

Notes

| \$81,600.00 | Year 1 Date Range | 12/01/2019 - 11/30/2020 |
|-------------|---|---|
| \$83,200.00 | Year 2 Date Range | 12/01/2020 - 11/30/2021 |
| \$84,900.00 | Year 3 Date Range | 12/01/2021 - 11/30/2022 |
| \$86,500.00 | Year 4 Date Range | 12/01/2022 - 11/30/2023 |
| \$88,230.00 | Year 5 Date Range | 12/01/2023 - 11/30/2024 |
| | \$83,200.00 \$84,900.00 \$86,500.00 | \$83,200.00 Year 2 Date Range \$84,900.00 Year 3 Date Range \$86,500.00 Year 4 Date Range |

Quote Notes:

Quote extends current License Agreement Dates.

Updated License:

Server AMS Premium Enterprise License Agreement (ELA), Includes Unlimited Quantities of the Identified Products:

Office

Respond

Mobile Native Apps (for iOS/Android)

--Includes the following Add-ons:

Storeroom

Equipment Checkout

Contracts

Cityworks for Excel

Cityworks Analytics for AMS

eURL (Enterprise URL)

City of Providence



Rhode Island

Department of City Clerk

MEMORANDUM

DATE:

October 3, 2016

TO:

Purchasing Director

SUBJECT:

APPROVAL TO RESCIND THE AWARD OF SEPTEMBER 6, 2016 WITH GOSOLAR FOR ROOFTOP SOLAR PV ARRAY –

WATER SUPPLY BOARD

CONSIDERED BY:

Board of Contract and Supply

DISPOSITION:

VOTED:

that the Purchasing Director hereby authorizes approval to Rescind the Award of September 6, 2016, with goSolar, for Rooftop Solar PV Array, and award the project to Ameresco, the next qualified bidder of the five original bids that were opened on August 9, 2016, goSolar was unable to provide Providence Water with an acceptable design, in a total amount not to exceed Two Million Seventy Thousand Seven Hundred Seventy Two Dollars and Thirteen (\$2,070,772.13) Cents, all in accordance with the request of Ricky Caruolo, General Manager, in communication dated September 26, 2016.

cc: Pur.Dir. Contr. WSB

File

City Clerk

Loui L. Hogen



September 26, 2016

The Hon. Jorge O. Elorza Mayor

> Ricky Caruolo General Manager

The Honorable Mayor Jorge Elorza Chairman, Board of Contract and Supply City Hall Providence, Rhode Island 02903

BOARD OF DIRECTORS

Xaykham Khamsyvoravong Chairperson

> Joseph D. Cataldi Vice Chairperson

Michael J. Correia Councilperson

> Sabina Matos Councilperson

Lawrence J. Mancini Ex-Officio

> Andy M. Andujar Member

Kerri Lynn Thurber Member

Carissa R. Richard Socretary

William E. O'Gara, Esq. Legal Advisor Re: Rescind groSolar Award for the Rooftop Solar PV Array – BOC Award Date September 6, 2016 & Award Rooftop Solar PV Array to Ameresco

Dear Mayor Elorza:

It is requested that the Board of Contract and Supply rescind the September 6, 2016 award for groSolar for the Rooftop solar PV array. goSolar was unable to provide Providence Water with an acceptable design.

Therefore, it is requested that the Board of Contract and Supply award the project to Ameresco who was the next qualified bidder of the five original bids that were opened at the Board of Contract meeting held on August 9, 2016 in the amount of \$2,070,772.13.

Funds are available in Account Code #3-0845-30162

Minority Participation is 0%

Respectfully,

Ricky Caruolo General Manager

Providence Water Supply Board

MEMBER

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552 Academy Avenue Providence, RI 02908

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| Bidder's Name: | GROSOLAR*** | AMERESCO | SOLAR CITY**** | CONTI |
|--|--|---|---|---|
| Bidder's Address: | 205 Billings Farm RG, Builvling 4 White River Junetion, VT 115101 | 11 Speen St, Suite 410 Framingham, MA 01701 | 70 Cantre of New England Blvd Coventry, RI 02816 | 2045 Lincoln Hwy Edison, NJ 98817 |
| | (802) 295-4415 | (508) 661-2200 | (860) 918-3222 | (732) 520-0000 |
| 10 Form | Included in liem #2 \$14.17.400.00 \$55.805.00 (5 year-loop sum) \$25.805.00 (5 year-loop sum) \$25.005.000.00 \$17.71.400.00 \$47.71.7400.00 \$47.71.7400.00 \$45.71.760.00 | See AR: 1 55c AR: 4 55.32.00 (2% annual escalabr) 513.00.00 (2% annual escalabr) 513.00.00 (2% annual escalabr) 513.00 (2% annual escalabr) 52.465.27 (red. ford allowance) 57.465.21.22 59.460.23 52.470.77.21 59.510.60 (28.22) (W DC | Not Provided Not Provided St, 40.07 (Average, Not Originally Provided) Not Provided St, 50.07 (Average, Not Originally Provided) Not Provided St, 50.25 (Average, Not Originally Provided) Not Provided St, 724, ASA (ASA (ASA St, ASA (ASA St, ASA (ASA St, ASA (ASA St, ASA | \$50,000.00 \$1,000.992.00 \$2,000.00 \$3,000.00 \$3,000.00 \$4,000.00 \$4,000.00 \$5,000.00 \$ |
| Design/Install Cast Per kW DC (Without Roof Allowance) | \$1,874.87 SIRW DC | \$2,991,72 SRW DC | \$2,009.00 SRAW D.C | \$2,452.23 SAW DC |
| Bid Surety Provided | YES (Metayer Bonding Associates, LLC) | YES (Western Suraly Company) | YES (The Fidelity and Deposit Company of Maryland) | NO |
| TO SECULIAR DE LA COMPANIA DEL COMPANIA DE LA COMPANIA DEL COMPANIA DE LA COMPANI | Goal TBO%, MBE TBD%, WBE TBD% | No MBEWBE Information Provided | Goal NA%, MBE 10%, WBE 10% | No MBEAYBE information Provided |

Recommend award to lowest qualified bidier Amerasco for the Providence Water Rooftop Solar PV Array in the amount of \$2,070,772.13

Transminer - Interestation of the Continue of

Goal TBD%, MBE TBC%, WBE TBD%

System Size BBS.3 KN DC \$1,950.01 S/kW DG

\$1,751,202.00 \$17,500.00 \$17,000.00 \$90,000.00 \$22,231,202.00

1 River Rd Scheneclady, NY 12345 CURRENT (GE)*

(518) 742-6863

 No BM Sureky with Bid
 No BM Sureky with Bid
 No BM Sureky with Bid
 No BM Sureky BM Sureky BM Sureky Surek Engineering Project Manage Required Signatures

Manager of Engineering CIP Manager

The Property Application of the Comment of the Comm



LETTER PROPOSAL

October 26, 2018

Gary Marino
Principal Engineer-Project Manager Engineering
Providence Water Supply Board
125 Dupont Drive
Providence, Rhode Island 02907

SENT VIA E-MAIL TO: gmarino@provwater.com

Re: Proposal - NEPOOL-GIS Independent Third-Party Meter Reader ("ITPMR") Services

Dear Mr. Marino,

Daymark Energy Advisors, Inc. (Daymark) is pleased to submit this letter proposal to provide expert consulting services to the Providence Water Supply Board (PWSB) for Independent Third-Party Meter Reader (ITPMR) Services for their Providence Water Central Operations Facility Rooftop Solar Array (nameplate capacity of 0.496 MW).

Daymark is an independent consulting team that has specialized in providing integrated planning, policy, and strategic analysis and advisory services to the electric and natural gas industries for nearly 40 years; we are a registered verifier of meter reading information for the ISO New England. Our specific expertise includes economic and financial analysis of renewable energy assets and contracts, power procurement, power systems planning, market policy and analysis (wholesale, retail, and renewable), and regulatory policy. We have provided significant analytical and advisory services to renewable energy projects in New England, including throughout a renewable energy project's lifecycle. Our team supports developers building the business case for projects, regulators reviewing the costs and benefits of project proposals, and owners that ultimately own and operate those projects.

Carlo Bencomo-Jasso will be the Daymark contact for this endeavor. He has experience and knowledge of renewable portfolio standards throughout New England, renewable energy certificates and relevant markets, ISO-NE market rules, and NEPOOL GIS Operating Rules and Procedures. Other Daymark staff will provide additional electrical engineering and technical support, if needed.

As part of these services, Daymark will provide the following deliverables:

- a) Physically inspect the meter(s) for verification and accuracy (consistent with ISO-NE Operating Procedure No. 18) and validate the quarterly entries to the account using this annual meter read/inspection. One such visit/inspection is included in this scope and budget.
- b) Directly upload the quantity of energy production of relevant generating facilities on a monthly basis through the NEPOOL GIS interface to an account to which PWSB shall not have access. We assume that we will have remote access to the meter reads for the rooftop solar array.



As needed, support PWSB's implementation of certificate retirement/expiration options.

We propose to provide these deliverables for a fixed-fee amount of \$2,500 per year, invoiced quarterly. Our standard terms and conditions under which we perform work for clients is also attached as Appendix

If the terms of this letter proposal are acceptable to you, please sign and return a copy to my attention to authorize us to proceed with this scope of work.

We thank you for the opportunity to submit this proposal and we look forward to working with you and your staff. Please feel free to contact me, if you have any questions.

Sincerely,

Kathleen A. Kelly

Vice President, Principal Consultant (617) 778-5474 | kkelly@daymarkea.com

Latter G. Kelly

Carlo Bencomo-Jasso, project manager (617) 778-2467 | cbencomo-jasso@daymarkea.com Accepted for the Providence Water Supply Board:

SIGNATURE

PRINTED NAME

DATE

TITLE



To: Antonio Araujo- Providence Water

From: Jim Desautels Commercial Manger OPW Fuel Management

Tony,

Pursuant to your request, below please find the price breakdown with trade in for the software upgrade for your OPW Petrovend system.

This Phoenix software product is unique to the Petrovend system and can only be purchased thru authorized OPW distributors.

The breakdown for the software upgrade is as follows:

Part # 20-6162 Software for 2 sites
Part # 20-6150-06 Factory web ex style training
Part # 20-6162-GM Multi level user feature

\$ 6430.76

Less \$500.00 trade in

\$5980.78

Please let me know if you need any additional information or if I can help in any way.

James Desautels

Commercial District Manager OPW Fuel Management November 14, 2019

City of Providence



Rhode Island

Department of City Clerk

MEMORANDUM

DATE:

October 15, 2018

TO:

Purchasing Director

SUBJECT:

APPROVAL TO ENTER INTO A CONTRACT WITH BCM CONTROLS CORP. FOR SERVICE AND MAINTENANCE INCLUDING NECESSARY SOFTWARE UPGRADES TO THE PROVIDENCE WATER'S PHYSICAL SECURITY SYSTEMS –

WATER SUPPLY BOARD

CONSIDERED BY:

Board of Contract and Supply

DISPOSITION:

VOTED: that the Purchasing Director hereby authorizes approval to enter

into a contract, with BCM Controls Corp., for service and maintenance, including necessary Software upgrades to the Providence Water's physical security systems, in a total amount not to exceed One Hundred Twenty Five Thousand (\$125,000.00) Dollars, all in accordance with the request of Ricky Caruolo, General Manager, in communication dated October 4, 2018.

cc: Pur.Dir.

Contr.

WSB

File

Loui L. Hogen
City Clerk



October 4, 2018

The Honorable Mayor Jorge O. Elorza Chairman, Board of Contract and Supply Providence City Hall Providence, RI 02903

The Hon. Jorge O. Elorza Mayor Ricky Caruolo Re: Service Contract Physical Security Systems - BCM Controls Corp.

Dear Mayor Elorza:

BOARD OF DIRECTORS

Xaykham Khamsyvoravong Chairperson

> Joseph D. Cataldi Vice Chairperson

General Manager

Sabina Matos Councilperson

Michael J. Correla Councilperson

Lawrence J. Mancini Ex-Officio

Cristen L. Raucci, Esq. Member

> Kerri Lynn Thurber Member

Carlssa R. Richard Secretary

William E. O'Gara, Esq. Legal Advisor We are requesting the Mayor to approve, and the Board of Contract and Supply to authorize Providence Water (PW) to engage with BCM Controls Corp, in an amount not to exceed \$125,000.00. This request is for service and maintenance, including necessary Software upgrades to Providence Water's physical security systems.

BCM Controls installed PW's current physical security system in 2003. Over the years BCM has proven to be a reliable and experienced vendor. Their professional staff is fully capable of providing every aspect of PW's physical security needs. These services included consultation, system design, equipment installation, engineering and training.

BCM currently supports a very diverse client base, and maintains on-going security contracts with many large agencies including (Massachusetts Convention Center Authority, Cambridge Police Department, Schools, Water Department and Library, MIT. Framingham Public Schools and UMass Boston)

BCM Controls serves as the largest and most qualified Security System integrator for Schneider Electrics Continuum Platform. This Andover equipment component is only serviced by trained authorized technicians whom BCM employs. All BCM technicians are OSHA certified, subject to routine back-round checks and maintain certificates of security clearance.

In 2003, PW invested \$4.2 million dollars to install the existing security system. This system covers over 20 separate sites and a variety of strategic areas throughout our watershed and distribution area. By our estimations it would cost over two million dollars to replace our existing security system with a system comparable to the Continuum platform. Since the security systems initial installation in 2003, Providence Water has invested over \$1.3 million dollars in physical security services, software and equipment upgrades.

It is in PW's best interest to stay with the same system and security vendor, BCM Controls Corporation for the proprietary service and maintenance of the security systems. Due to budgetary and labor constraints, it is not feasible to replace any part of the current physical security system.

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PW is requesting approval to award BCM Controls Corp, as the preferred vendor, in an amount not to exceed \$125,000.00. These funds will be utilized to pay for our service agreement, parts and labor on existing equipment repair as well as software/equipment upgrades.

Funds are available in account code 601-430-52911 Minority participation is 0%

Respectfully Submitted, Providence Water

Ricky Capuolo

General Manager

City of Providence



Rhode Island

Department of City Clerk

MEMORANDUM

DATE:

March 9, 2015

TO:

Purchasing Director

SUBJECT:

APPROVAL TO EXTEND THE AWARD WITH BCM CONTROLS CORPORATION, A SOLE SOURCE, FOR THE EXTENSION OF ITS ANNUAL SERVICE CONTRACT - WATER SUPPLY BOARD

CONSIDERED BY: Board of Contract and Supply

DISPOSITION:

VOTED:

that the Purchasing Director hereby authorizes approval to extend the award, with BCM Controls Corporation, a sole source, for the extension of its annual service contract, to continue with the ongoing support and maintenance of the existing hardware and software, to provide some funding for upgrades and additional equipment and repairs not covered under contract, as deemed necessary, in a total amount not to exceed One Hundred Twenty Five Thousand (\$125,000.00) Dollars a year, all in accordance with the request of Ricky Caruolo, General Manager, in communication dated February

26, 2015.

ce: Pur.Dir. Contr. WSB File

Loi L. Alagen City Clerk



502 Academy Avenue Providunce, RI 02900

February 24, 2019

401-521-6300 mww.provwoter.com

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d agil & Celebra Na Colombas

A Justin Charast

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Markery,

a direct substitutes to distribute conditions compared The Honorable Muyor Lorge O. Elorza Chairman, Board of Contract and Supply City Hull Providence, Tcl 02019

RE: Extension of Security Service Contract and Operades

Dear Mayor Blores:

It is requested that the Board of Contract and Supply authorize the Providence Water Supply Board to extend its annual security service contract with BCM Controls Corporation, a sole source, in an amount not to exceed \$125,000 u year.

Providence Water currently-has an extensive and sophisticated security system which was installed by BCM Controls Corp in 2003. The system covers over 20 separate facilities and a variety of strategic areas throughout our watershed and distribution area. This extension is to continue with the ongoing support and untimenance of the existing hardware and software and to provide some funding for upgrades, and additional equipment and repairs not covered under contract; as despited necessary. The current recurrity and access software is proprietury, and therefore BCM is the sole source for these services.

On Floweither 18, 2003 the Board of Contract and Supply awarded "Security Improvements to the Providence Water Facilities Water Supply Doard" to BCM Charrels Creporation in an amount not to exceed \$2,972,376. This amount also included 6 years of maintenance and support of the system.

··· jour justice in

Funds are available in General Account 601-030-52125

Minority Participation is 0%

Respectfully, Providence Water Supply Board

Ricky Cartiolo General Munuger

Only Top Woler Delicels - 155



Tap Water Delivers

To: BCWA Data Request

From: Rob Roberts & Antonio Araujo

Date February 4, 2020

Re: Providence Water's CCTV Proposal

The Hon. Jorge O. Elorza Mayor

> Ricky Caruolo General Manager

The PWSB Security department has proposed that an estimated amount of \$10,000 PR yr. be utilized to provide additional CCTV locations throughout the facilities to enhance existing video coverage.

BOARD OF DIRECTORS

Xaykham Khamsyvoravong Chairperson

> Joseph D. Cataldi Vice Chairperson

Michael J. Correia Council President Pro Tempore

> Jo-Ann Ryan Councilperson

Sara Silveria Ex-Officio

Cristen L. Raucci, Esq. Member

> Carissa R. Richard Secretary

William E. O'Gara, Esq. Legal Advisor PWSB Security has requested CCTV camera additions be made to locations that are lacking adequate camera coverage.

Each additional CCTV point has an approximate cost of \$ 950 per device. PWSB will provide all labor and Installation services, cameras will be drop shipped to the Dupont location in an effort to decrease costs associated with such a project.

Facility list of proposed camera locations:

125 Dupont Dr, (4) Additional Cameras Truck Garage, (2) Additional Cameras Guard shack,

Alpine Estates Station, (2) additional Cameras

Cranston Commons Station (2) Additional Cameras

East Portal (2) Additional Cameras

MEMBER

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Ridge Road Tank (2) Additional Cameras

Long View (2) Additional Cameras

Forestry Storage Garage (2) Additional Cameras

Scituate Forestry Main Garage (4) Additional Cameras

Scituate Purification Plant (4) Additional Cameras, filter Area

Scituate Purification Plant (4) Additional Cameras, New Lime Area & Chemical storage





Project Proposal

Direct Sale - Axis Cameras

Quote # Q001205-BCM Version 1

Prepared for:

Providence Water Authority

Rob Roberts rroberts@provwater.com

30 Commerce Way Woburn, MA 01801 www.bcmcontrols.com 781-933-8878



Monday, December 16, 2019

Providence Water Authority Rob Roberts 125 Dupont Drive Providence, RI 02908 rroberts@provwater.com

Dear Rob,

Thank you for the opportunity to provide this proposal for Providence Water Authority.

Please refer to the attached scope of work and pricing. This Quote is for the indicated 4 cameras quested but the cost break down per camera upon request will be approximately \$ 950 per unit shipped and Configured.

We greatly appreciate your interest in BCM Controls' unique security solutions and service offerings. Should you have any questions, please contact me.

Lyle Norton Account Manager BCM Controls

Quote #Q001205-BCM v1 2/5





Scope of Work



Provide PWA with (4) Axis M3045 IP dome cameras and (4) DS-SW-CAM Pelco camera licenses.

Providence Water Authority will cable and install the cameras.

BCM Controls will configure and test the cameras for use on the existing Digital Sentry CCTV system.

Equipment

| Qty | Product Details |
|-----|---------------------------------------|
| 4 | M3045-WV 1080P ID VANDAL DOME |
| 4 | DIGITAL SENTRY CAMERA INTEGRATION FEE |

Quote #Q001205-BCM v1 3/5

30 Commerce Way Woburn, MA 01801 www.bcmcontrols.com 781-933-8878





Assumptions & Clarifications

General:

- . Work will be performed during BCM normal business hours, Monday Friday, 7AM 5PM, excluding weekends and holiday
- This proposal and resulting timelines are based on standard manufacturer / distributor shipping. Any customer originated shipping requests may
 result in additional charges
- Additional requested work should be routed through BCM's Sales Dept. This work will be billed in addition and may be subject to overtime billing
 depending on impact to project deadline
- If wiring is done by others, price is based on wire being pulled to the devices, equipment mounted, labeled and complete prior to BCM arrival

Network:

- Customer to provide all required IP addresses needed for all devices to be placed on the customers network
- . Customer to verify all customer provided servers, workstations and/or network devices meet minimum specifications provided by BCM Controls
- Customer to provide all misc. network equipment, including but not limited to, PoE, Switches, patch panels, KVM's, equipment racks and alike

Proposed Solution Execution and Delivery:

• BCM Controls will work with customer to develop / coordinate the required access and scheduling to complete the proposed solution.

System Commissioning / Testing:

- BCM Controls will test the operation of each device to ensure basic operation as listed below and any customization as listed in the scope of work.
- Video Management System
 - O Each camera will be aimed and focus with the cooperation / approval of the customer
 - Motion and Continuous Recording will be verified
 - O All settings to be appropriate and verified including Resolution, Bit Rate and Compression



Payment Terms

Taxes not Included

- Applicable taxes are not included and will be included on invoice(s).
- All invoices from BCM Controls are payable upon receipt.
- This quotation is valid for 30 days.
- Approval of this solution requires customer approval of the BCM Controls Installation and Service Agreement



Privileged Information Statement

"The information contained in this document and the solution proposed by BCM Controls (BCM) is proprietary and confidential to BCM. These materials can be used solely for the purpose of evaluating a possible transaction between BCM and its existing and prospective customers. No recipient of these materials may use them for their own commercial advantage. The recipient of these materials must hold them in confidence and shall not distribute them, in whole or in part, to any other individual or entity in any form without the prior written consent of BCM.

Quote #Q001205-BCM v1 4/5

Providence Water Authority

Direct Sale - Axis Cameras



Prepared by:

BCM Controls

30 Commerce Way
Woburn, MA 01801
Lyle Norton
781-897-5142
nortonl@bcmcontrols.com

Prepared for:

Providence Water Authority

125 Dupont Drive Providence, RI 02908 Rob Roberts 14012610594 rroberts@provwater.com Quote Information:

Quote #: Q001205-BCM

Version: 1

Delivery Date: 12/16/2019 Expiration Date: 02/08/2020

Quote Summary

BCM Controls

| Description | | Amount |
|-----------------|--------|------------|
| Pricing Summary | | \$3,779.04 |
| | Total: | \$3,779.04 |

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

| | | | 7 |
|------------|-----------------|----------------|------------------------|
| Signature: | | Signature: | HA V |
| Name: | Lyle Norton | Name: | Rob Roberts |
| Title: | Account Manager | Title: | |
| Date: | 12/16/2019 | Date: | 12/16/2019 10:07:27 AM |
| | | IP Address: | 174.77.114.254 |
| | | Email Address: | rroberts@provwater.com |
| | | PO Number: | In Process , |

City of Providence



Rhode Island

Department of City Clerk

MEMORANDUM

DATE:

October 29, 2018

TO:

Purchasing Director

SUBJECT:

RFP FOR FIRE INSPECTION SERVICES FOR ALL

PROVIDENCE WATER FACILITIES (2018-2021) – WATER

SUPPLY BOARD

CONSIDERED BY: Board of Contract and Supply

DISPOSITION:

VOTED:

that the Purchasing Director be authorized to engage the following bidders, for RFP for Fire Inspection Services for

All Providence Water Facilities (2018-2021), in a total

amount not to exceed One Hundred Thousand

(\$100,000.00) Dollars over 3 years, all in accordance with the offer of said firm submitted on September 17, 2018.

Metro USA Fire Protection 203 Concord Street, Suite 405

Pawtucket, RI 02860

Admiral Fire Company 130 Steadman Avenue

Pawtucket, RI 02860

cc: Pur.Dir.

Contr

WSB

Lou L. Hager City Clerk



October 19, 2018

Tap Water Delivers

The Honorable Mayor Jorge O. Elorza Chairman, Board of Contract and Supply City Hall

Providence, RI 02903

Dear Mayor Elorza:

The Hon. Jorge O. Elorza

Mayor Ricky Caruolo RFP FOR FIRE INSPECTION SERVICES FOR ALL PF PROVIDENCE WATER **FACILITIES (2018-2021)**

General Manager Date Of Bid Opening:

September 17, 2018

BOARD OF DIRECTORS

Xaykham Khamsyvoravong

Chairperson Joseph D. Cataldi Vice Chairperson Sabina Matos

Councilperson Michael J. Correia Councilperson Lawrence J. Mancini

Ex-Officio Cristen L. Raucci, Esq.

Member Kerri Lynn Thurber Member Carissa R. Richard

Secretary William E. O'Gara, Esq. Legal Advisor

RECOMMENDED BIDDERS:

Metro USA Fire Protection 203 Concord Street, Suite 405, Pawtucket RI, 02860 Admiral Fire Co. 130 Steadman Avenue, Pawtucket RI, 02860

AMOUNT RECOMMENDED: Not to exceed \$100,000.00 over 3 years

This letter is requesting permission to award to the 2 lowest bidders in an amount to not to exceed \$100,00.00 over 3 years. It is requested that Metro USA Fire Protection, the low bidder be awarded the contract and Admiral Fire Co. as the secondary vendor.

I am recommending that you sign this award.

| | NAME | BASE | TOTAL |
|----|---------------------------|------|-------------|
| 1 | Metro USA Fire Protection | RI | \$5,410.00 |
| 1 | Admiral Fire Co. | RI | \$7,020.00 |
| .2 | Encore Fire | RI | \$8,470.00 |
| 3 | Red Hawk Fire | MA | \$30,047.00 |

Additional sheet is attached (x)

(X)

On the basis of said bids, we recommend to award to the Lowest qualified bidders, as identified on line 1 whose firm's bids has met the specification:

MEMBER

MINORITY PARTICIPATION:

Rhode Island Water Works Assn. New England Water Works Assn. American Water Works Assn. Water Research Foundation

Metro USA Fire Protection MBE 81%

WBE 0%

Admiral Fire Co.

MBE 0%

WBE 0%

An EPA WaterSense Partner

Account Code # 601-440-53499

(401) 521-6300

125 Dupont Drive Providence, RI 02907

Respectfully Submitted PROVIDENCE WA

www.provwater.com

Follow us @provwater

Like us at: facebook.com/Providencewater

General Manager

Ricky Caryolo

icky (arudo

P.W.S.B. Fire Systems Inspection Bids

| 1,560.00 \$95.00 per hr. \$110.00 per hr. 2,250.00 \$95.00 per hr. \$110.00 per hr. \$110.00 per hr. \$1250.00 \$95.00 per hr. \$142.50 per hour \$1,500.00 \$95.00 per hr. \$142.50 per hour \$1,500.00 \$1,500.00 \$1,38.00 per hr. \$2,207.00 per hr. \$1,040.00 \$1 | Vendor | Vendor | Annual Inspection fee | Service rall (etrainhe) | | | |
|--|--------------|----------------------|-----------------------|-------------------------|-------------------------|------------------------------|------------|
| 61 North Rd. \$ 2,250.00 Spanio per In. \$110,00 per In. <td>letro U.S.A.</td> <td>125 Dupont Drive</td> <td>1 560 00</td> <td>-</td> <td>service call (overtime)</td> <td>Service call (Wkend/Holiday)</td> <td>Bid total</td> | letro U.S.A. | 125 Dupont Drive | 1 560 00 | - | service call (overtime) | Service call (Wkend/Holiday) | Bid total |
| (8) pump stations \$ 2,250.00 Sprinkler Inspection Included in annual \$ 5 5.00 per hour \$142.50 per hour \$142.50 per hour \$142.50 per hour \$1,500.00 Sprinkler Inspection 11,500.00 \$138.00 per hr, \$207.00 per hr, \$20 | | C1 81015 71.3 | | er nr. | \$110,00 per hr, | \$110.00 nor hr | |
| (8) pump stations | | OT NOTTH KG. | 5 2,250.00 | | | The same of the same | |
| Sprinkler Inspection Included in annual \$ 125 Dupont Drive \$ 1,770.00 \$95.00 per hour \$142.50 per hour \$42.50 per hour (8) pump stations \$ 1,600.00 \$138.00 per hr, \$207.00 per hr. \$ 125 Dupont Drive \$ 4,230.00 \$138.00 per hr, \$207.00 per hr. \$ (8) pump stations \$ 1,000.00 \$138.00 per hr, \$207.00 per hr. \$ (8) pump stations \$ 1,000.00 \$1395.00 per hr, \$1095.00 per hr. \$1095.00 per hr. (8) pump stations \$ 1,000.00 \$1305.00 per hr. \$1000.00 per hr. \$1000.00 per hr. (8) pump stations Not itemized \$1305.00 per hr. \$1000.00 per hr. \$1000.00 per hr. (8) pump stations Not itemized \$1300.00 per hr. \$1000.00 per hr. \$1000.00 per hr. (8) pump stations Not itemized \$1000.00 per hr. \$1000.00 per hr. \$1000.00 per hr. | | (8) pump stations | | | | | |
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| (8) pump stations \$ 1,600.00 Sprinkler inspection \$ 1,500.00 125 Dupont Drive \$ 4,230.00 61 North Rd. \$ 3,200.00 (8) pump stations \$ 1,040.00 Sprinkler inspection included in annual 125 Dupont Drive Not Itemized 61 North Rd. Not Itemized (9) pump stations Not Itemized Sprinkler inspection Not Itemized Sprinkler inspection Not Itemized | | 61 North Rd. | | and her nour | \$142,50 per hour | \$142.50 per hour | |
| Sprinkler inspection \$ 1,150.00 \$138.00 per hr. \$207.00 per hr. \$ 2207.00 per hour \$ 61 North Rd. \$ 3,200.00 \$138.00 per hr. \$207.00 per hour \$ (8) pump stations \$ 1,040.00 \$ Sprinkler Inspection included in annual \$ 125 Dupont Drive Not Itemized \$130.00 per hr. \$195.00 per hr. (8) pump stations Not Itemized \$195.00 per hr. \$ Sprinkler inspection Not Itemized \$ | | (8) pump stations | \$ 1,600.00 | | | | |
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| (8) pump stations \$ 1,040.00 Sprinkler inspection Included in amual \$ 125 Dupont Drive Not itemized \$130.00 per hr. \$195.00 per hr. (8) pump stations Not itemized \$ Sprinkler inspection Not itemized \$ | | 61 North Rd. | \$ 3.200.00 | in lad one | Scott on per hr. | \$207.00 per hour | |
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| 125 Dupont Drive Not itemized \$130.00 per hr. \$195.00 per hour \$135.00 per hr. 61 North Rd. Not itemized \$235.00 per hr. (8) pump stations Not itemized Sprinkler inspection Not itemized \$250.00 per hr. | | Sprinkler Inspection | uded in | | | | |
| 125 Dupont Drive Not itemized \$130.00 per hr. \$195.00 per hour \$135.00 per hr. 61 North Rd. Not itemized \$230.00 per hr. \$135.00 per hr. (8) pump stations Not itemized \$5 sprinkler inspection | | | | | | | |
| Not itemized \$195.00 per hr. \$195.00 per hr. Not itemized Not itemized \$5.00 per hr. | Hawk Fire | 125 Dupont Drive | Not itemized | \$130 00 Har be | Acres as | | |
| Not itemized Not itemized \$ | | 61 North Rd. | Not itemized | יווי | \$195.00 per hour | \$195,00 per hr. | |
| Not fkemized \$ | | (8) pump stations | Not itemized | | | | |
| w | | Sprinkler inspection | Not itemized | | | | |
| | | | | | | | 30,047.00 |



Quote

| Date | Quote # |
|----------|---------|
| 9/6/2019 | Q311 |

| Service Address |
|-----------------|
| |
| |
| |
| |
| 2 |
| |

Project

| | | | 125 Dupont Dr. | |
|--|--|-------|-------------------------------------|--------------------------------------|
| Item | Description | Qty | Cost | Total |
| Materials Misc. Parts Fire Alarm Disc Labor | Install one new XV control head on Kidde Wet Chemical System. XV Control Head, Corner Pulleys, EMT Pneumatic Actuator Fire Alarm Disconnect Labor - 2 men, 4 hours ea | 1 1 8 | 835.00 125.00 180.00 90.00 | 835.00 125.00 180.00 720.00 |
| | | | | |
| | | | | * |
| | | | | |
| | | Total | <u> </u> | \$1,860.00 |

FM200 Release Panel Replacement

| Simplex Admiral | | pue | | woo | WC | | | \$ 6,512.00 \$ 6,723.00 \$ |
|--|--|--|---|---|---|---|--|----------------------------|
| The state of the s | | Remove 8 smoke detectors in Main Computer Room and | 8 Smoke Detectors in Adjacent vacant Room | Install 8 new smoke detectors in Main Computer Room | and 8 New Smoke Detectors in Adjacent vacant Room | Place Kidde PEGAsys release panel back in service | Place EST 3X Fire Alarm Planel back in service | |



125 DuPont Drive Providence Rhode Island

| EQUIPMENT DESCRIPTION | QUANTITY |
|---|--------------|
| 3 | |
| | |
| Fire Alarm Control Panel | Quarterly |
| Heat Detectors | 11 |
| Smoke Detectors | 175 |
| Pull Stations | 35 |
| Horns | 131 |
| Annunciators | 1 |
| Visual Signals | 41 |
| FM 200 system | Semi- Annual |
| Kitchen Hood System | Semi- Annual |
| Pernall Fuel Island System | Semi-Annual |
| Quarterly inspection rate for contract term | \$. |
| Term total: | \$ |



61N.Rd RT 116 Hope RI 02831

| EQUIPMENT DESCRIPTION | QUANTITY |
|--|-------------------------|
| | |
| Fire Alarm Control Panel FC7100 | Quarterly |
| Heat Detectors | 3 . |
| Smoke Detectors | 80 |
| Pull Stations | 29 |
| Horns | Subject to verification |
| Annunciators | 1 |
| Visual Signals | Subject to verification |
| FM 200 system | Semi- Annual |
| Pemall Fuel Island System | Semi- Annual |
| Fire Pump System | Annual |
| Quarterly inspection rate for contract term: | \$ |
| Term total: | \$ |

Hourly rate for non-inspection service calls:

| • | Straight time (7:30 am-5:30 pm): | \$ |
|---|----------------------------------|----|
| ٠ | Overtime (5:30 pm-7:30 am): | \$ |
| • | Weekends & holidays: | \$ |



Location Pump Station: Fruit Hill Ave. North Providence, RI

Bi-annual Testing ()

Quarterly Testing ()

| EQUIPMENT DESCRIPTION | QUANTITY |
|---------------------------------|--|
| Fire Panel & Model: E.S.L. 1500 | |
| Fire Alarm Control Panel | The state of the s |
| Heat Detectors | 2 |
| Smoke Detectors | |
| Pull Stations | . 1 |
| Horns | 2 |

Location Pump Station: Melody Lane Cranston, RI

Bi-annual Testing ()

| EQUIPMENT DESCRIPTION | QUANTITY |
|-----------------------------------|--|
| Fire Panel & Model: Fire Lite MS4 | |
| Fire Alarm Control Panel | |
| Heat Detectors | WILLIAM TO THE |
| Smoke Detectors | . 2 |
| Pull Stations | |
| Horns | 3 |



Location Pump Station: Neutaconkanut Ashby St. Johnston RI

Bi-annual Testing ()

Quarterly Testing ()

| EQUIPMENT DESCRIPTION | | | QUA | NTITY | | | | | |
|---------------------------------|---|---|----------|---------------------------------|---|------------|---------------------------------------|---|-------------|
| Fire Panel & Model: E.S.L. 1500 | | | | | | | | ÷ | |
| Fire Alarm Control Panel | | | 6000 | | | ********** | | | |
| Heat Detectors | | | 1 | Atlantina | | | ********** | - | _ |
| Smoke Detectors | *************************************** | 1 | | | | | | | |
| Pull Stations | * | | - | e i recent desirable activitati | | | | 8 | |
| Horns | • | | | | - | | · · · · · · · · · · · · · · · · · · · | : | *********** |

Location Pump Station: 134 Bath Street, Providence, RI

Bi-annual Testing ()

| EQUIPMENT DESCRIPTION | QUANTITY | | |
|--------------------------|----------|--|--|
| Fire Panel & Model: | * . | | |
| Fire Alarm Control Panel | | | |
| Heat Detectors | 3 | | |
| Smoke Detectors | 2 | | |
| Pull Stations | 3 | | |
| Horns | 3 | | |



Location Pump Station: 80 North Rd. Scituate, RI

Bi-annual Testing ()

Quarterly Testing ()

| EQUIPMENT DESCRIPTION | QUANTITY | | | |
|------------------------------|----------|--|--|--|
| Fire Panel & Model: ESL 1503 | | | | |
| Fire Alarm Control Panel | | | | |
| Heat Detectors | 10 | | | |
| Smoke Detectors | 1 | | | |
| Pull Stations | 3 | | | |
| Horns | 5 | | | |

Location Pump Station: 36 Starline Way, Cranston, RI

Bi-annual testing ()

| EQUIPMENT DESCRIPTION | QUANTITY | | |
|-----------------------------|----------|--|--|
| Fire Panel & Model: ESL1500 | | | |
| Fire Alarm Control Panel | | | |
| Heat Detectors | 1 | | |
| Smoke Detectors | | | |
| Pull Stations | 1 | | |
| Horns | 1. | | |



Location Pump Station: Raw Water

Bi-annual Testing ()

Quarterly Testing ()

| EQUIPMENT DESCRIPTION | QUANTITY |
|--------------------------------|--|
| Fire Panel & Model: GEESL 1500 | |
| Fire Alarm Control Panel | |
| Heat Detectors | 1 |
| Smoke Detectors | The second secon |
| Pull Stations | 1 |
| Horns | 1 |

Location Pump Station: Scituate Ave. pump station, Cranston, RI

Bi-annual Testing ()

| EQUIPMENT DESCRIPTION | QUANTITY | | | |
|-----------------------------|----------|-----------|--|--|
| Fire Panel & Model : E.S.L. | | | | |
| Fire Alarm Control Panel | | | | |
| Heat Detectors | . 1. | ********* | | |
| Smoke Detectors | 2 | | | |
| Pull Stations | 2 . | | | |
| Horns | 2 | | | |

Quote

FROM

TO

Automated Business Solutions

Providence Water

415 Kilvert Street Warwick, RI 125 Dupont Drive Providence, RI

02886

02907

401-732-3000

401-521-6300

mmaceroni@absne.com

bpaquin@provwater.com

Estimate #:

191104

Date:

Nov 4, 2019

| DESCRIPTION | RATE | QTY | AMOUNT |
|---|----------|--------|------------|
| CFPAR - Laserfiche Cloud Participant User Renewed Annually - Next Renewal Date - 10/1/2020 | \$132.00 | 41 | \$5,412.00 |
| NOTES | Sub | ototal | \$5,412.00 |
| Laserfiche Cloud - Participant Licenses for Forms Business Processes | | Total | \$5,412.00 |
| Tax Exempt Customer. | | | |

Customer Signature: _

Date Signed:

11419

Item # 27



1130 Ten Rod Road Suite F-204 North Kingstown, RI 02852 financial@infusedinnovations.com www.infusedinnovations.com (401) 267-4460

Estimate

For:

Providence Water Supply Board

franciscol@provwater.com, scolman@provwater.com

552 Academy Avenue Providence, RI 02908 Estimate No:

41

Date:

02/05/2020

\$38,810.00

| Description | Quantity | Rate | Amount |
|--|----------|----------------|--------------|
| Support - Platinum HW Support (3yr) for Tintri T820 Serial #0210-1703-913 | 1 | \$13,185.00 | \$13,185.00* |
| Support - Platinum SW Support (3yr) for Tintri T820 Serial #0210-1703-913 | 1 | \$6,220.00 | \$6,220.00* |
| Support - Platinum HW Support (3yr) for Tintri T820 Serial #0210-1749-780 | 1 | \$13,185.00 | \$13,185.00* |
| Support - Platinum SW Support (3yr) for Tintri T820 Serial #0210-1749-780 | 1 | \$6,220.00 | \$6,220.00* |
| | | Parts Subtotal | \$38,810.00 |
| *Indicates non-taxable item | | | |
| Please make payment to: | Subtotal | | \$38,810.00 |
| Bank Account Number: 40630195114713131 Routing Number: 121000248 | Total | | \$38,810.00 |

Total

Francisco Lugo - RE: Production support

From:

Dustin Bello <dbello@vmware.com>

To:

Stephen Colman <scolman@provwater.com>

Date:

3/29/2019 11:55 AM

Subject: RE: Production support

Hi Steve,

Yes I confirmed those are annual support cost and the only cost associated with maintaining the solution going forward. You always have the luxury of including training and professional service credits for ongoing enablement but that is not required for upgrades, tech support etc.

Here's the lines with \$ value.

VLA VMWARE PROD SUP/SUB FOR NSX

DATA CENTER PRO PER PROCESSOR \$931.21 28 \$26,073.88

VLA VMWARE PROD SNS VREALIZE

NETWORK INSIGHT ADVANCED (PER CPU)

FOR 1YR \$302.01 28 \$8,456.28

Total support \$34,530.16

X2 System (Yearly Expense

Have you heard anything from procurement on the purchase? Know if/when the winning bid should expect to see something?

Hope all is well.

Dustin

508-982-1284

From: Stephen Colman <scolman@provwater.com>

Sent: Friday, March 29, 2019 9:00 AM To: Dustin Bello <dbello@vmware.com>

Subject: RE: Production support

Dustin, I'm going over next years budget and want to make sure I don't overlook any NSX maintenance/support I'll need going forward. In reference to the Dell quote you recently provided, can you confirm that the line items entitled "VLA VMWARE PROD SUP/SUB FOR NSX DATA CENTER PRO PER PROCESSOR" and "VLA VMWARE PROS SNS VREALIZE NETWORK INSIGHT ADVANCED (PER CPU) FOR 1 YR" are, in fact, for 1 year and need to maintained, year over year. Also confirm that nothing else on this quote is a recurring expense. Thank you.

Stephen M. Colman

Senior Manager, Information Technology Providence Water 125 Dupont Drive



Confidential

Page 1

\$22,500.00

| Quote Date 21-Jan-20 | PRICE QUOTE | | | |
|-------------------------|-------------------------------|---------------------------------|----------------|-------------|
| **** | | | | |
| Organization: | Providence Water Supply Board | | | |
| Contact: | Francisco Lugo | | | |
| Address 1: | 552 Academy Way | | | |
| Address 2: | | | 6 - | |
| City: | Providence | | S Syste | ms |
| Zip: | 02908 | | D Jystc | |
| State: | RI | | | |
| Phone: | 401.521.6300 | | | |
| Fax: | | | | |
| E-Mail: | flugo@provwater.com | | wow.com | |
| | | | | |
| Qty. | | Description | Price | Ext. Price |
| | | | in USD | in USD |
| 1 | Sophos SG 450 FullGuard F | Plus 24x7 - 36 Months - Renewal | \$22,500.00 | \$22,500.00 |
| | h /- | | | |
| | Dupont | | | |
| | March 28 2 | 2020 - March 27 2023 | | |
| | | res February 27 2021 | | |
| | | • | | |

* Integration Services will be billed at the standard consulting rate.

* Prices do not include shipping or sales tax and are dependant on availability and market fluctuations.

* All equipment repairs outside scope of services, involving EOS Systems, will be billed at the standard consulting rate then in effect. Equipment warranty applies to manufacturer rules and restrictions.

SubTotal:



| Stacy Arambages |
|--------------------------------------|
| Eos Systems Inc. |
| One International Place Suite 1400 |
| Boston, MA 02110 |
| Ph: 781.453.2600 x121 |
| Fx: 781.453.2601 |
| stacva@eos-systems.com |

#6 Antivivus



P.O. Box 778 Needham, MA 02494

Invoice

10446

Date Invoice #

3/7/2018

Bill To

Providence Water Richard Pimental 125 Dupont Dr., Providence, RI 02907-3105 Ship To

Providence Water Richard Pimental 125 Dupont Dr., Providence, RI 02907-3105

| P.O. Number | Terms | Rep | Ship | Via | F.O.B. | Project |
|-------------|----------------|------------------------------|----------------|-----|------------|-----------|
| 38598 | Due on receipt | CKS | 3/7/2018 | | | |
| Quantity | Item Code | | Descriptio | n | Price Each | Amount |
| 1 | 2018ACEAI3GTAA | Sophos Renewa | al | | 40,899.25 | 40,899.25 |
| | | April 1, 2018 - Sales Tax | March 31, 2021 | | 7.00% | 0.00 |
| | | Anti | rivus | | | |
| B | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Total

\$40,899.25





P.O. Box 778 Needham, MA 02494

Invoice

Date Invoice #

8/24/2018

10850

Bill To

Providence Water Richard Pimental 125 Dupont Dr., Providence, RI 02907-3105 Ship To

Providence Water Richard Pimental 125 Dupont Dr., Providence, RI 02907-3105

| P.O. Number | Terms | Rep | Ship | Via | F.O.B. | Project |
|-------------|----------------|--------------------------|--------------------|-------------------|------------|-----------|
| 39088 | Due on receipt | CKS | 8/24/2018 | | | |
| Quantity | Item Code | | Descriptio | n | Price Each | Amount |
| 3 | 2018PFG233CTPS | Sophos SG 230 Renewal | FullGuard Plus 24 | 4x7 - 36 Months - | 4,186.00 | 12,558.00 |
| Ĭ | 2018PFG453CTPS | | FullGuard Plus 24 | 4x7 - 36 Months - | 17,286.08 | 17,286.08 |
| | | Sales Tax | 2018 - September I | 15, 2021 | 7.00% | 0.00 |
| | | Scit | trate PA | | | |

Total

\$29,844.08



QUOTE: Date: 2/4/2020 Get the most from Office with Office 365

Special offer: 1 year free custom email domain. 4 Users 265 License per User \$12.50 **Total Monthly** \$3,312.50 Office 365 Business Premium Annually \$39,750.00

Chat with sales \$ 1855-270-0615

Contact us

Available M-F from 6:00AM to 6:00PM PT

user/month \$12.50

(annual commitment)

Buy now

Best for businesses that need business email, Office apps, and other business services on PC, Mac, or mobile.

Office apps included









Word

Excel

PowerPoint







Access (PC only)

Services included

Each user can install the Office apps on up to 5 PCs or Macs1 Web & mobile versions of Office apps Teamwork & communication Email & calendaring File storage & sharing

Security & compliance

Support & deployment

Tools to build & manage your business

Additional Details:

1. Compatible with Windows 7 or later. For macOS, see system requirements. Tablet devices with screens larger than 10.1" require an Office 365 plan licensed for desktop use in order to edit files. Learn about mobile apps for business.

- 2. For HD calling, compatible HD hardware and broadband connection with at least 4 Mbps required.
- 3. This plan works with the latest version of Office, Office 2013, and Office 2011 for Mac. Previous versions of Office, such as Office 2010 and Office 2007, may work with Office 365 with reduced functionality. This compatibility with Office does not include the Exchange Online Kiosk or Office 365 F1 plans.
- 4. Annual commitment required. Custom domain \$12/year after the first year. Only new Office 365 for

business subscribers eligible. Limit one free year and one customer domain per organization. Offer not transferrable. Domains subject to availability and GoDaddy's terms. US only.

5. After your free trial, you will be charged the applicable subscription fee. Credit card required. Cancel anytime to stop future charges.

Quote valid for 30 Days

 $\underline{https://products.office.com/en-us/compare-all-microsoft-office-products?active tab=tab:primaryr2}$

| SEL EMC | Dell Exten | ntenance | Hardwa | re Supp | oort Quot | e | | | | | | | | | Tot |
|---|--|--|--------------------------------|-------------|------------------|---------------------------|-----------------------|-----------------------------|-----|-------------|--------------|--------------|------------|--------------|------|
| #8 | Customer Name: PROVIDE Dell Quote # PRO3953 Customer # 110772 | Customer Name: PROVIDENCE, RHODE ISLAND Dell Quote # PRO3953 Customer # 110772 | RHODE ISLAND | | | ı | | | | | Bid Expires: | 2/3/2020 | | | 100 |
| | | System Type | | | | | | | | | Partner: | New Contract | ontract | | brid |
| | Byorianteferation | Serial Remite of Tay Rumper | Secondary System (dentified | Manufacture | Bog | Secondary Model Number | System Description | Current Service Contract | | € 9 8 | a Sales | U | End Date | Suamtity Bid | A.L |
| Bid is valid for 30 days | | MXQ35204G9 | | 윺 | DL380e Gen8 85FF | | | 15-Mav-20 | 4HR | × × | 15.May-20 | 5.5 | 3C 115 431 | | 题 |
| Local country invoicing a | Local country invoicing and currency required per country | MXQ35204G8 | | 라 | DL380e Gen8 85FF | | | 15-May-20 | 4HR | 30 × | + | 12 | 15-May-25 | - | |
| Service eligibility requires start date | Service eligibility requires that assets must be in proper operating condition on the contract start date | MXQ35204G7 | | 롸 | DL380 G8 | | | 15-May-20 | 4HR | H | Н | 12 | 15-May-25 | - | |
| Applicable taxes are in addition to these prices | dition to these prices | ego adam | | חבוו | K/30 | | | 8-Feb-22 | 4HR | γ 30 | 9-Feb-17 | 12 | 15-May-27 | 24 | |
| | Đ | Total | | | | | | | | + | | | | | |
| | | | | | | | | | | + | | | | | |
| All of the services and ite the terms of the Extended | All of the services and items listed on this Order Form are made available by Dell subject to the terms of the Extended Maintenance Service Description under Support Services under | | | | | | | | | | | | | | |
| your country specific site | your country specific site at www.dell.com/servicecontracts/global, including the | | | | | | | | | + | | | | | |
| form, or as may be provide | Supplemental terms, ir any, applicable to particular services or products listed on this Order form, or as may be provided directly to you by Dell. Unless Dell rejects your order, your | | | | | | | | | + | | | | | |
| Agreement for the items I | Agreement for the items listed above commences two weeks after the date you accept the | | | | | | | | | | | | | | |
| Furchase Order in the am | Furchase Order in the amount agreed, or the date indicated on the Quote Sheet whichever is | | | | | | | | | - | | | | | |
| later. The service(s) liste separate signed master se | later. The service(s) listed on this Order Form are subject to and governed by Customer's separate signed master services agreement with Dell that explicitly authorizes the sale of Dell | | | | | | | | | | | | | | |
| Extended Maintenance or | Extended Maintenance or, in the absence of such agreement, the Commercial Terms of Sale, | | | | | | | | | | | | | | |
| specific www.Dell.com we | which is available at www.dell.com/CTS or your terms of sale available at your local country- specific www.Dell.com website, which are incorporated by reference in its entirety herein and | | | | | | | | | | | | | | |
| the parties acknowledge i | taving read and agree to be bound by such online terms. A hard- | | | | | | | | | + | | | | | |
| that renewing, modifying, | copy print version of the Dell's terms of sale is also available upon request. Customer agrees that renewing, modifying, extending or continuing to utilize the Services beyond the initial | | | | | | | | | + | | | | | - |
| term is subject to the ther | term is subject to the then-current Service Description available for review | | | | | | | // | | + | 1 | | | | |
| at www.dell.com/servicecontracts/global. | ontracts/global. | | | | | | 1011. | 1,000 | | + | 1001 | 11111 | 000 | - | |
| | | | | | | | 200 | | 3 | 5 | 1 | 220 | |) | |
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| | • | | | | | | | | | + | | | | | 1 |
| The Ready to Service (RT | The Ready to Service (RTS) interval is the number of days required to be ready to provide | | | | | | | | - | - | | | | | |
| Quote. Deli will commenc | ce date of your Purchase Order and is shown on your Customer a providing the Service effective on the date shown on your | | | | | | | | | - | | | | | |
| Customer quote. Stocking | Customer quote, Stocking of parts requires additional time. Service is provided on a | | | | | | | | | - | | | | | |
| Commercially Reasonable efforts basi and the expiration of the RTS interval. | efforts basis between the acceptance date of your Purchase Order TS interval. | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Highlights of the Agreement | | | | | | | | | | - | | | | | |
| | Please Sign Below: | | | | | | | | 1 | + | | | | | |
| Signature: (type name) | | | | | | | | | | | | | | | |
| Email: | | | | | | | | | | + | | | | | |
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| Title: | | | | | | | | | | | | | | | П |
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| diale 7-1 | Cisco Commerce | QUOTE DATE | 07-Feb-2020 |
|-------------------------|--|-----------------|------------------|
| CISCO | CISCO Services & Subscriptions | Quote For: | Providence Water |
| | | Contract Number | 200823148 |
| Customer Address | 125 Drive, Providence, RI 02907 | | |
| Custumer Contact | Francisco Lugo | | |
| Status | ACTIVE | | |
| Verndor ID | 1001734895 | | |
| Vendor Name | CAROUSEL IND | | |
| Vendor GU ID | 4597695 | | |
| Vendor GU Name | CAROUSEL INDUSTRIES OF NORTH AMERICA INC | | |
| Vendor Operating Unit | CISCO US OPERATING UNIT | | |
| Vendor Address Line 1 | Vendor Address Line 1 659 SOUTH COUNTY TRL | | |
| Vendor City/State/Zip | EXETER, RI 02822 | | |
| | | | |

| Product Number | Product Description | DAK/Sorial Nimbor | CONTRACT | | S | |
|------------------|---|-------------------|-------------|---------------|-------------|--------------|
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full PoE 2x10G Uplink LAN Base | EDO2118FOMB | 19 ALC 2027 | | (Yrs) Cost | Total |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full PoF 2x10G Unlink I AN Base | ED02110E0111 | 10-AUG-2027 | 18-IVIAY-2017 | 2 \$ 668.00 | \$ 1,336.00 |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full Por 20106 Halink LAN Page | FD02410F00 | 10-AUG-2027 | 18-IVIAY-201/ | 2 \$ 668.00 | \$ 1,336.00 |
| WS-C3650-48FD-I | Cisco Catalyst 20E0 40 Bout Fill Par 2,400 Little 1 | FDUZ118EU8Q | 18-AUG-2027 | 18-MAY-2017 | 2 \$ 668.00 | \$ 1,336.00 |
| W/S_C3650 4850 1 | Cisco Catalyst 3030 48 Port Full Poe 2X10G Uplink LAN Base | FDO2118E0LS | 18-AUG-2027 | 18-MAY-2017 | 2 \$ 668.00 | \$ 1,336.00 |
| W3-C3030-40FD-L | LISCO Catalyst 3650 48 Port Full PoE 2x10G Uplink LAN Base | FDO2118EOLR | 18-AUG-2027 | 18-MAY-2017 | 2 \$ 668 00 | \$ 1336.00 |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full PoE 2x10G Uplink LAN Base | FDO2118E0NQ | 18-AUG-2027 | 18-MAY-2017 | 00:555 \$ 6 | |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full PoE 2x10G Uplink LAN Base | FD02118E0LY | T | 18-MAV-2017 | | |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full PoE 2x10G Uplink LAN Base | FDO2118F0LX | 18-116-2027 | 10 VVV 01 | 2 3 000.00 | |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full Poe 2x10G Uplink I AN Base | ED02118004W | 10 700 2027 | 10-IVIAT-201/ | | |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full PoF 2x10G Tulink LAN Base | ED0211000011 | | 18-IVIAY-2017 | 2 \$ 668.00 | \$ 1,336.00 |
| WS-C3650-48ED-I | Cisco Catalyst 26E0 49 Bast Full Par 2, 400 U. 1. 1. 1. 1. 1. 1. | rDOZITSEONINI | | 18-MAY-2017 | 2 \$ 668.00 | \$ 1,336.00 |
| 1 0 0000 000 0W | Cisco Catalyst 3030 48 Port Full Poe 2X10G Uplink LAN Base | FDO2118E0NF | 18-AUG-2027 | 18-MAY-2017 | 2 \$ 668.00 | \$ 1,336.00 |
| W3-C363U-48FU-L | CISCO Catalyst 3650 48 Port Full PoE 2x10G Uplink LAN Base | FD02118Q0AS | 18-AUG-2027 | 18-MAY-2017 | 2 \$ 668 00 | 1 |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full PoE 2x10G Uplink LAN Base | FDO2118E095 | 18-AUG-2027 | 18-MAY-2017 | 2 \$ 668 00 | 1 |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full PoE 2x10G Uplink LAN Base | FD02118E09A | | 18-MAV 2017 | 200.000 | |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full PoF 2x10G Unlink I AN Base | EDC2118EON48 | | 10-INIAI-201/ | | \$ 1,336.00 |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Euli Boe 2210C Halla LAN Page | FOCTIBEDING | - 1 | 18-IVIAY-2017 | 2 \$ 668.00 | \$ 1,336.00 |
| WS-C3650-48ED-1 | Circo Catalyat 2000 40 February 2000 10 | FD02118Q0BA | 18-AUG-2027 | 18-MAY-2017 | 2 \$ 668.00 | \$ 1,336.00 |
| WY C2CF0 40FB - | CISCO Catalyst 3850 48 Port Full Poe 2X10G Uplink LAN Base | FDO2118E092 | 18-AUG-2027 | 18-MAY-2017 | 2 \$ 668.00 | \$ 1.336.00 |
| WS-C3630-48FD-L | Lisco Catalyst 3650 48 Port Full PoE 2x10G Uplink LAN Base | FDO2118E0LT | 18-AUG-2027 | 18-MAY-2017 | 2 \$ 668.00 | |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full PoE 2x10G Uplink LAN Base | FDO2118E0KJ | 18-AUG-2027 | 18-MAY-2017 | 2 \$ 668 00 | |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full PoE 2x10G Uplink LAN Base | FD0211800B5 | Т | 18-MAV-2017 | 00:000 4 2 | |
| WS-C3650-48FD-L | Cisco Catalyst 3650 48 Port Full PoE 2x10G Uplink LAN Base | FD02118F097 | | 10 MAN 2017 | \neg | |
| Total Cost | | | - 1 | 10-IVIA1-201/ | 7 > 668.00 | \$ 1,336.00 |
| | | | | | | \$ 28,056.00 |

https://ccrc.cisco.com/ServiceContract/quoteManager/

Pricing is Valid for 30 Days

Item # 34

Statement of Work Pricing

The cost to employ a cybersecurity engineer for threat hunting and remediation tasks alongside a CISO that can operate in analyst and execution roles runs the average mid-size business between \$275,000 and \$400,000 each year. The lost productivity and increased risk of having a single employee tasked with all these activities is significant.

This solution provides both a Cybersecurity Scoring Platform as well as advanced Network Access Control technology. The costs for these solutions are broken down below:

| One-Time Investments | Quantity | per Unit | Total |
|--|----------|-------------|-------------|
| Microsoft 365 Tenant Setup and Preparation | 1 | \$1,000.00 | \$1,000.00 |
| Zero-Trust Security Accelerator - Modern Authentication | 1 | \$5,000.00 | \$5,000.00 |
| Zero-Trust Security Accelerator - Data & Devices | 1 | \$10,000.00 | \$10,000.00 |
| Zero-Trust Security Accelerator - Advanced Threat Protection | 1 | \$5,000.00 | \$5,000.00 |
| Advanced Implementation Support | 1 | \$10,000.00 | \$10,000.00 |

| Subscription | Quantity | Monthly Subscription | Monthly Total |
|------------------------|----------|-------------------------|---------------|
| Microsoft 365 E5 | 125 | \$57.50 | \$7,187.50 |
| Microsoft 365 Business | 140 | \$20.00 | \$2,800.00 |

Combining all the service areas above into a cohesive and comprehensive deliverable has a **one-time** commitment of \$31,000 and a **monthly services commitment** of \$9,987.50 (\$119,850 annually).

Thank you again for the opportunity to provide these services to Providence Water Supply Board. We look forward to working with your organization on its journey to the cloud and a secure intelligent workplace.

By signing below, you are in agreement with the services outlined in this proposal and authorizing the project on behalf of your company.

Stephen Colman Date
Senior Manager, Information Technology
Providence Water Supply Board

Philip Magnuszewski

Date

COO

Infused Innovations, Inc.



City of Providence



Rhode Island

Department of City Clerk

MEMORANDUM

DATE:

July 9, 2018

TO:

Purchasing Director

SUBJECT:

COMPUTER NETWORK SUPPORT SERVICES-3 YEAR

CONTRACT - WATER SUPPLY BOARD

CONSIDERED BY: Board of Contract and Supply

DISPOSITION:

VOTED:

that the Purchasing Director be authorize to engage EOS Systems, Inc., One international Place, Suite 1400, Boston, MA 02110, for Computer Network Support Services-3 Year Contract, in a total amount not to exceed Three Hundred Seventy Five Thousand (\$375,000.00) Dollars over 3 years, all in accordance with the offer of said firm

submitted on May 29, 2018.

cc: Pur.Dir.

Contr

WSB

File

Yourilful

Loui L. Hagen City Clerk



June 27, 2018

Tap Water Delivers

The Honorable Mayor Jorge O. Elorza Chairman, Board of Contract and Supply City Hall Providence, RI 02903

Dear Mayor Elorza:

| \mathbf{Q} | - | |
|--------------|---|--|
| 11 | _ | |
| | | |

COMPUTER NETWORK SUPPORT SERVICES - 3 YEAR CONTRACT

The Hon. Jorge O. Elorza

Ricky Caruolo General Manager Date Of Bid Opening:

May 29, 2018

Mayor RECOMMENDED BIDDER:

EOS Systems Inc. One International Place

(Name and Address)

Suite 1400

Boston, MA 02110

BOARD OF DIRECTORS

Xaykham Khamsyvoravong Chairperson

> Joseph D. Cataldi Vice Chairperson

> > Sabina Matos Councilperson

Michael J. Correia Councilperson

Lawrence J. Mancini Ex-Officio

Cristen L. Raucci, Esq. Member

> Kerri Lynn Thurber Member

Carissa R. Richard Secretary

William E. O'Gara, Esq. Legal Advisor AMOUNT RECOMMENDED:

\$375,000 over 3 years

This letter is requesting permission to award to the low bidder for an amount not to exceed \$375,000 over 3 yrs to EOS

I am recommending that you sign this award.

| | NAME | BASE | TOTAL |
|---|------------------|------|------------|
| 1 | EOS Systems Inc. | MA | \$115/hour |
| 2 | | | \$113/1001 |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |

(Additional sheet is () is not (X) attached)

- On the basis of said bids, we recommend the lowest qualified bidder, as identified on (X) line 1 whose firm's bid has met the specifications.
- () On the basis of said bids, we recommend the bidder identified on line 1 while not the apparent low bidder but after a review of the bids reveal that it is in the best interest of the City to reject the low bidder(s) because: (Please provide explanation) See Attached

arunto

MEMBER

Additional sheet is / is not attached

MINORITY PARTICIPATION: MBE 0% WBE 0%

Account Code #601-710-52120

Respectfully Submitted

An EPA WaterSense Partner (401) 521-6300

Rhode Island Water Works Assn. New England Water Works Assn.

American Water Works Assn. Water Research Foundation

125 Dupont Drive

Providence, RI 02907

www.provwater.com

Follow us @provwater

Like us at: facebook.com/Providencewater PROVIDENCE WA

Ricky Caruolo General Manager



BOARD OF CONTRACT AND SUPPLY CITY OF PROVIDENCE, RHODE ISLAND

BID FORM 1: Bidders Blank

- Bids must meet the attached specifications. Any exceptions or modifications must be noted and fully explained.
- 2. Bidder's responses must be in ink or typewritten, and all blanks on the bid form should be completed.
- 3. The price or prices proposed should be stated both in WRITING and in FIGURES, and any proposal not so stated may be rejected. Contracts exceeding twelve months must specify annual costs for each year.
- 4. Bids **SHOULD BE TOTALED** so that the final cost is clearly stated (unless submitting a unit price bid), however **each item should be priced individually**. Do not group items. Awards may be made on the basis of **total** bid or by **individual items**.
- 5. All bids MUST BE SIGNED IN INK.

| Name of Bidder (Firm or Individual): |
|--|
| Contact Name: Stacy Avambages |
| Business Address: Dre Horrational Flace Ste 1400 Boston MA 02110 |
| Business Phone #: |
| Agrees to bid on (Items(s) to be bid): Grantor Netwon Support Sonices |
| If company is based in a state other than Rhode Island, list name and contact information for a local agent for |
| service of process: Rhode 181 and Registered Agent LLC, The Richard Sa. |
| Please visit http://www.naics.com/search/ and identify the NAICS Code(s) for items being bid on. Enter the NAICS |
| code(s) here or in parentheses next to each item listed immediately above: 5-11532541519 |
| Delivery Date (when applicable): |
| Name of Surety Company (if applicable): |
| Total Amount in Writing*: Dre Hundred Fifteen books for Hour |
| Total Amount in Figures*: \$\\\Pi \ 15\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| *If you are submitting a unit price bid please insert 'Unit Price Bid'' |
| Use additional pages if necessary for additional bidding details. |
| |
| Hacy Warringes |
| A Srute 1258 Signature of Representative |
| Providence, RI 0200 Diocher Chiert Services |
| HOI-HOI-WIZO |
| agent @ redeissand registeredagent.com |

Bidder's Blank

| July 1, 2018 - Jui | ne 30, 2019 | |
|---|--|---|
| | nal Working Hours) er than normal Working Hrs) | #15/W |
| | ne 30, 2020 nal Working Hours) er than normal Working Hrs) | # 115/H |
| July 1, 2020 - J ur Hourly Rate (Norn | ne 30, 2021 nal Working Hours) | A 115) H |
| Hourly Rate (Othe | r than normal Working Hrs) | # 115/hr |
| Vendor Name: | Eco Systems | Tel No: <u>78,453,2600</u> haral Place |
| Address: | One Mernal Suite 1400 | moral Prace |
| City - State: | Bogon ma | 02110 |



BOARD OF CONTRACT AND SUPPLY CITY OF PROVIDENCE, RHODE ISLAND

BID FORM 2: Certification of Bidder (Non-Discrimination/Hiring)

| Upon behalf of Systems | (Firm or Individual Bidding), |
|--|---|
| 1. Story Arantages | (Name of Person Making Certification), |
| being its Dipotro | (Title or "Self"), hereby certify that: |
| Bidder does not unlawfully discriminate on the bagender, sexual orientation and/or religion in its bagender. All of Bidder's employees have been hired in conand local laws, rules and regulations. | usiness and hiring practices. |
| affirm by signing below that I am duly authorized on his 23 day of 20 | behalf of Bidder, on |



BOARD OF CONTRACT AND SUPPLY

CITY OF PROVIDENCE, RHODE ISLAND

Certificate Regarding Public Records

| Upon I, being | behalf of | Ara Ara | Susper | (Na | me of Person Ma | Individual Bidding), aking Certification), hereby certify an | |
|---------------|---|--|---|--|---|--|--------|
| | rstanding that: | 7-11/1 | 1.01 | | _(| moropy cortally an | |
| | | | | | | | |
| 2. | documents bed the correspond The Purchasing conscious effort issuing departr evaluation of a The requested provide such d bids. | RFQ's), doct come public ling Board of g Department to request ment and on vendor's bi- supplement etails may re | uments contain record upon reference and the issuest that sensitive/ally at request if d. tal information esult in disqua | ned within, and eceipt by the (Supply (BOC ing departmer personal infor verification of may be crucial lification, or an eceipt to the control of the contr | I the details outlined the details outlined the City Clerk's office S) meeting. In the for this RFP/R mation be submited to evaluating the inability to applications. | ined on those and opening at FQ have made a itted directly to the is critical the oids. Failure to ropriately evaluate | |
| 4. | the bidding pad | fined supple ket submitte | emental informed to the City (| ation prior to t Clerk, the City | he issuing depar | tment's request in as no obligation to | ſ |
| 5. | the discretion of | bidding pac of the bidder | ket may not be in order to pro | e submitted direct other info | | ing department at spricing terms, | |
| l affirr | n by signing belo | ow that I am | duly authorize | d on behalf of | Bidder, on | | |
| this | 23_(| day of r | ay | _20 <u>\&</u> . | Stacy | Signature of Represen | tative |
| | | | | | yary | Printed | Name |



BOARD OF CONTRACT AND SUPPLY CITY OF PROVIDENCE, RHODE ISLAND

Form A: MBE/WBE Participation Affidavit

| The undersigned authorized representative of contractor does hereby make the following Affidavit: |
|---|
| Contractor acknowledges the MBE goal of 10% and the WBE goal of 10% for contract |
| (title)with the City of Providence. |
| My firm will make its best efforts to achieve the MBE and WBE participation goals for this contract. I understand that, if awarded the contract, my company must submit to the Minority and Women's Business Coordinator at the City of Providence MBE/WBE office, copies of all executed agreements with the Subcontracted Firm(s) being utilized to achieve the participation goals and other requirements of the RI General Laws. Lunderstand that these documents must be submitted prior to the issuance of a notice to proceed. |
| I understand that, if awarded the contract, my firm must submit to the MBE/WBE Office canceled checks and any other documentation and reports required by the MBE and WBE Office on a quarterly basis verifying payments to the Subcontracted Firm(s) utilized on the contract. |
| I understand that if I am awarded this contract and I find that I am unable to utilize the Subcontracted Firm(s) identified in my statements of Intent, I must substitute other certified MBE and WBE firms to meet the participation goals. Lunderstand that I may not make a substitution until I have obtained the written approval of the MBE/WBE Office. |
| I understand that, if awarded this contract, authorized representatives of the City of Providence may examine, from time to time, the books records and files of my firm to the extent that such material is relevant to a determination of whether my firm is complying with the MBE and WBE participation requirements of this contract. |
| I do solemnly declare and affirm under the penalty of perjury that the contents of the foregoing affidavit are true and correct to the best of my knowledge, information and belief. Contractor Company Name Signature |
| Address BOSTON, MA 02110 Print Name and Title |

For more information on this program please contact Grace Diaz the MBE/WBE Outreach Director for the City of Providence, by phone at (401) 680-5766 or by email at gdiaz@providenceri.gov. (Please use subject line "MBE WBE Forms")



BOARD OF CONTRACT AND SUPPLY CITY OF PROVIDENCE, RHODE ISLAND

Form D2: MBE/WBE Participation Independent Waiver Request Form

| Does the Bidder intend to subcontract any portion of the proposed work/service to a MBE/WBE? Yes V No |
|--|
| This form is for Bidders in Category 1 and 2 only, so if you enswered Yes to the above question, please review the Bidder Category Worksheet (page 3) and Form Matrix (page 1) to determine the correct forms to use. |
| Name of Bidder: 505 Systams |
| Contract Name/Number: Computer Network Syld Bid Due Date: may 29, 2018 |
| Goals on this contract:% MBE% WBE |
| I have achieved % MBE % WBE |
| I am requesting a waiver of% MBE% WBE |
| Is the BIDDER certified by the State of Rhode Island Minority Business Enterprise Program Yes No If Yes, please check the type(s) of certification and enter the Certification number immediately below: |
| Type of Firm; MBE D WBE D |
| MBE/WBE Certification Number (MBCN#):Expiration Date: |
| |
| I acknowledge the City of Providence's goals of supporting MBE/WBE certified businesses. If an opportunity is identified to subcontract any task associated with the fulfillment of this contract, a good faith effort will be made to select MBE/WBE certified businesses as partners |
| Signature of Bidder Start Arandongus 523-18 Date Date |
| Submit this form to the City of Providence MBE/WBE Office for signature and approval by either the MBE/WBE Compliance Officer or the MBE/WBE Coordinator. All requests must be made at least four (4) days prior to the bid opening date. |
| Signature of MBE/WBE Outreach Director* Printed Name Date () 28// Y |
| *For more information on this program please contact Grace Diaz the MBE/WBE Outreach Director for the City of Providence, by phone at (401) 680-5766 or by email at gdiaz@providenceri.gov. (Please use subject line "MBE WBE Forms") |
| **This form will NOT be considered complete without the glandure of the MICENARY |

Eos Systems | One International Place | Suite 1400 | Boston, MA 02110 (781) 453-2600 | (781) 453-2601 (fax) Federal ID# 043363414 / Vendor #50837-1



May 24, 2018

RFP Response

Board of Contract and Supply
Department of City Clerk
Room 311 / City Hall
Providence, RI 02903
Subject: RFP Computer Network Support Services for Providence Water Supply Board
July 1, 2018 – June 30, 2021 (MBE / WBE PARTICIPATION WAIVER REQUEST)

To whom it may concern,

A careful review of the above mentioned RFP, including the specifications and necessary requirements for performing the contract make it impossible for Eos to utilize MBEs and/or WBEs.

A detailed search was performed using the Directory Search (www.mbe.ri.gov). There were no vendors listed showing certifications and/or expertise of the platforms listed in the RFP. Those platforms are as follows:

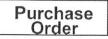
Micro Focus SUSE Linux Windows Server Sophos GroupWise GWAVA

Therefore, we respectfully submit a MBE/WBE Participation Waiver Request Form along with our RFP Response for your consideration and approval.

Sincerely,

Stacy Arambages

Director - Client Services



MUNICIPAL TAX EXEMPT



Purchase Order

40764

Req. No.: 187049 DATE: 07/11/2019

125 Dupont Drive Providence, Rhode Island 02907 Phone: (401) 521-6300 ext. 7257 Fax: (401) 946-4078

NAME

EOS SYSTEMS INC

AND

10 KEARNEY ROAD ADDRESS SUITE 102

OF

NEEDHAM MA 02494

VENDOR

SHIPPING DESTINATION PROVIDENCE WATER 125 Dupont Drive Providence RI 02907

ACCT CODE: 601-710 52911

TAX ID # 04-3363414

BUVED, Ellert N.

| VENDOR NU | | R 50837-1 TAX ID # 04-3363414 | BUYE | R: Elizabeth Paqui |
|---|------|--|------------|--------------------|
| Quantity | Unit | Description | Unit Price | Amount |
| 1 | EA | Process Level: 601 MICRO FOCUS NOVELL RENEWAL BOC 7/8/19 | 56,814.15 | 56,814.15 |
| | | | | |
| | | | | |
| *************************************** | | | | |
| *************************************** | | | | |
| *************************************** | | | | |
| | | Page 1 of 1 Tabel Av | | 50.044.45 |

Page 1 of 1

Total Amount

INSTRUCTIONS TO VENDOR

- INSTRUCTIONS TO VENDOR

 1. FAILURE TO INCLUDE P.O. # ON INVOICE WILL RESULT IN DELAY OF PAYMENT.

 2. PURCHASE ORDER NUMBER MUST BE ON ALL PACKAGES, TAGS, AND CORRESPONDENCE. SUBMIT SEPARATE INVOICE FOR EACH PURCHASE ORDER.

 3. UNIT PRICE ON THIS ORDER IS PRICE QUOTED BY VENDOR. INVOICE MUST AGREE WITH PURCHASE ORDER. ANY CHANGE IN UNIT PRICE OR THE TOTAL AMOUNT WILL VOID THIS PURCHASE ORDER.

 4. NOTE: INVOICE WILL NOT BE PROCESSED FOR PAYMENT UNTIL A MATERIALS SAFETY DATA SHEET FOR ALL CHEMICAL-BASED PRODUCTS OR SUBSTANCES HAS BEEN RECCEIVED BY THE REQUESTING OFFICE.

 5. ANY QUESTIONS REGARDING THIS ORDER ARE TO BE DIRECTED TO THE PURCHASING OFFICE AT (401) 521-6300 EXT. 7257.

 6. DO NOT OVERSHIP OR SUBSTITUTE. PLEASE FOLLOW INSTRUCTIONS. WE RESERVE THE RIGHT TO CANCEL ORDER IF DELIVERY IS NOT MADE AS PROMISED.

- RESERVE THE RIGHT TO CANCEL ORDER IF DELIVERY IS NOT MADE AS PROMISED.

 7. ALL RESPONSIBILITY AND LIABILITIES WILL REMAIN WITH THE SELLER UNTIL PROVIDENCE WATER ACCEPTS DELIVERY.

 8. ALL INVOICES + PAYMENT INQUIRES MUST BE DIRECTED TO ACCOUNTS PAYABLE AT 401-521-6300 X7204.

VENDOR'S COPY

APPROVED BY APPROVED BY

Not valid without signatures

SEND ALL INVOICES TO:

Providence Water, Accts, Payable Dept. 125 Dupont Dr., Providence, RI 02907 Email To: <u>Accounts Payable@provwater.com</u>



BOARD OF CONTRACT AND SUPPLY CITY OF PROVIDENCE, RHODE ISLAND

BID FORM 1: Bidders Blank

- 1. Bids must meet the attached specifications. Any exceptions or modifications must be noted and fully explained.
- 2. Bidder's responses must be in ink or typewritten, and all blanks on the bid form should be completed.
- 3. The price or prices proposed should be stated both in WRITING and in FIGURES, and any proposal not so stated may be rejected. Contracts exceeding twelve months must specify annual costs for each year.
- 4. Bids SHOULD BE TOTALED so that the final cost is clearly stated (unless submitting a unit price bid), however each item should be priced individually. Do not group items. Awards may be made on the basis of total bid or by individual items.
- 5. All bids MUST BE SIGNED IN INK.

| 5. All bids MOST be SIGNED IN MAR. |
|---|
| Name of Bidder (Firm or Individual): 505 Saysams |
| Contact Name: Star And And Star Sales |
| Business Address: One Joseph in al Place Bothom on 02110 |
| Business Phone #: 761. 452. Zxxxx |
| Agrees to bid on (Items(s) to be bid): rocatorus- Nave 11 Suite of Products |
| If the bidder's company is based in a state other than Rhode Island, list name and contact information for a local agent for service of |
| process that is located within Rhode Island & Soc Below |
| Please visit http://www.naics.com/search/ and identify the NAICS Code(s) for items being bid on. Enter the NAICS code(s) here or in |
| parentheses next to each item listed immediately above: |
| Delivery Date (if applicable): 7246 alter FO receipt |
| Name of Surety Company (if applicable): |
| Name of Surety Company (if applicable): Total Amount in Writing*: Fifty - Sove Trondsond Eart Hardred Fourteen Dolla'S Total Amount in Figures*: F 50 - 214 15 |
| Total Amount in Figures*: SF 56 814, 15 |
| * If you are submitting a unite price bid, please insert "Unit Price Bid" |
| Use additional pages if necessary for additional bidding details. |
| Signature of Representation |
| Dood - Chart Sences |
| A frod Island Regisacied Agent LLC One Richmond Square Suite 1758 |
| Providence, RI OZQOS |
| $\Lambda \simeq \Lambda Q \Lambda - 1 \Lambda Q \Omega$ |

agent @ modersiand registered agent, com

BIDDER'S BLANK

PROVIDENCE WATER SUPPLY BOARD

Microfocus - Novell Suite of Products Maintenance and Support Renewal July 1, 2019 to June 30, 2020

| Qty. | SKU | Description | Unit Price | Total |
|---|--------------|--|------------|---------|
| 129 | 877-008007 | GroupWise Limited 1-Mailbox 1-Year Renewal Business Support | 7.97 | 102817 |
| 254 | 873-011066 | Novell Unbundle NOWS Groupwise 1-Mailbox License | 19.08 | 17546. |
| 11 | 873-010900 | GroupWise 1-Mailbox License (additional licenses to get to 265) | 13000 | 14300 |
| 254 | 877-008002. | GroupWise Including Mobile Server 1-Mailbox 1-Year Renewal | | |
| | | Business Support Maintenance | 34 A8 | 8757.92 |
| 11 | 877-008002-1 | GroupWise including Mobile Server 1-Mailbox 1-Year Initial | | |
| | | Business Support Maintenance (maintenance for the new | 34.48 | 379.28 |
| 265 | 873-010928 | Micro Focus iPrint Desktop 1-User License | 21.15 | 560A.7 |
| 265 | 877-008089 | Novell Print Desktop 1-User 1-Year Renewal Business Support | 5.32 | 1409.50 |
| 200 | 30001MB | Secure Messaging Gateway for GroupWise Renewal Business | | |
| | | Support (per user) | 11.54 | 2308.00 |
| 65 | 30001LB | Secure Messaging Gateway for GroupWise License (per user) | | 2142 |
| | | (additional licenses to get to 265) | 32.56 | 2472.40 |
| 65 | 30001MB-1 | Secure Messaging Gateway for GroupWise Initial Business | | |
| *************************************** | | Support (per user) (maintenance for the new licenses) | 11.54 | 750.0 |
| 200 | 32001MB | Secure Messaging Gateway for WebAccess (WASP) Renewal | | |
| *************************************** | | Business Support 1-Year (per user) | 5.53 | 11000 |
| 65 | 32001LB | Secure Messaging Gateway for WebAccess (WASP) License | 115 00 | |
| | | (additional licenses to get to 265) | 1259 | 1078.5 |
| 65 | 32001MB-I | Secure Messaging Gateway for WebAccess (WASP) Initial | | |
| | 9 | Business Support 1-Year (per user) (maintenance for the new | 5.53 | 359.A5 |
| | | licenses) | | 201.40 |
| 200 | 35501MBT | GroupWise Mailbox Management Renewal Business Support 1- | A 30 | 000 |
| | | Year (per user) | 4.29 | 858.00 |
| 65 | 35501LB | GroupWise Mailbox Management License (per user) (additional | 1470 | |
| | | licenses to get to 265) | 14.78 | 5000 |
| 65 | 35501M8T-I | GroupWise Mailbox Management Initial Business Support 1-Year | 4.79 | 278.85 |
| 200 | COORDAD | (per user) (maintenance for the new licenses) | 4.64 | 618.82 |
| 200 | 63001MB | Retain Server Active Renewal Business Support 1-Year (per unified account) | 3.74 | 748.00 |
| 101 | 63001LB | Retain Server Active License (per unified account) (True-up back | 1 1 1 - 0 | HIS.L. |
| TOT | DOUTED | licenses 2018-19) | 27.11 | 273611 |
| 99 | 63001LB | Retain Server Active License (per unified account) (additional | 1-1-11 | |
| 33 | GOOTED | licenses to get to 400) | 27 11 | 7283.89 |
| 101 | 63001MB-1 | Retain Server Active Initial Business Support 1-Year (per unified | [| 00000 |
| 101 | ODOOTIAID | account) (back maintenance 2018-19) | 3.74 | 27774 |
| 200 | 63001MB | Retain Server Active Renewal Business Support 1-Year (per | | 71.79 |
| 200 | 030021110 | unified account) (maintenance to total 400) | 374 | 748 00 |
| 200 | 66001SB | Retain GroupWise Module Renewal Business Support | | 1153. |
| | 0000201 | Subscription 1-Year 1-UsPeargle-Ulsoefr2 | 10.5A | 2106.0 |
| 69 | 66001SB-1 | Retain GroupWise Module Initial Business Support Subscription | A Second | |
| T.T | | 1- Year 1-User 1-User (back subscription 2018-19) | NOFA | 77772 |
| 65 | 66001SB-1 | Retain GroupWise Module Initial Business Support Subscription | | |
| 5.T | | 1- Year 1-User 1-User (subscription to get you to 265) | 1054 | 6850 |
| | | | Total: | F3-90 |

City of Providence



Rhode Island

Department of City Clerk

MEMORANDUM

DATE:

August 6, 2018

TO:

Purchasing Director

SUBJECT:

VIRTUAL COMPUTING SERVICE & SUPPORT-3 YEAR

CONTRACT - WATER SUPPLY BOARD

CONSIDERED BY: Board of Contract and Supply

DISPOSITION:

VOTED:

that the Purchasing Director be authorized to engage

Infused Innovations, Inc., 1130 Ten Rod Road, Suite F204,

North Kingston, RI 02852, low bidder, for Virtual

Computing Service & Support-3 Year Contract, in a total

amount not to exceed Three Hundred Eighty Eight Thousand Eight Hundred (\$388,800.00) Dollars over 3 years, all in accordance with the offer of said firm

submitted on July 9, 2018.

cc: Pur.Dir.

Contr

WSB

File

Loui L. Hager City Clerk



July 24, 2018

Tap Water Delivers :

The Honorable Mayor Jorge O Elorza Chairman, Board of Contract and Supply

City Hall

Providence, RI 02903

Dear Mayor Elorza:

RE:

VIRTUAL COMPUTING SERVICE & SUPPORT - 3 YEAR CONTRACT

Date Of Bid Opening:

Ricky Caruolo General Manager

Mayor

RECOMMENDED BIDDER:

(Name and Address)

Infused Innovations, Inc. 1130 Ten Road Road

July 9, 2018

Suite F204

North Kingston, RI 02852

BOARD OF DIRECTORS

The Hon. Jorge O. Elorza

\$388,800 over 3 years

Xaykham Khamsyvoravong

Charperson

Joseph D. Cataldi Vice Champerson

Sabina Matos Councilperson

Michael J. Correia Councilperson

Lawrence J. Mancini Ex-Officio

Cristen L. Raucci, Esq. Member

> Kerri Lynn Thurber Member

> Carissa R. Richard Secretary

William E. O'Gara, Esq. Legal Advisor AMOUNT RECOMMENDED:

This letter is requesting permission to award to the low bidder for an amount not to exceed \$388,800 over 3 years to infused innovations, inc.

I am recommending that you sign this award.

| | NAME | BASE | TOTAL |
|----|--|------|--------------|
| 11 | Infused Innovations, Inc. | RI | See Attached |
| 2 | Envision Technology Advisors, LLC | RI | See Altached |
| 3 | Integra Network Services, LLC | MA | See Attached |
| 4 | | | |
| 5 | | | |
| 6 | | (1) | |
| 7 | The second secon | | |

(Additional sheet is () is not (X) attached)

- (X) On the basis of said bids, we recommend the lowest qualified bidder, as identified on line 1 whose firm's bid has met the specifications.
- () On the basis of said bids, we recommend the bidder identified on line 1 while not the apparent low bidder but after a review of the bids reveal that it is in the best interest of the City to reject the low bidder(s) because: (Please provide explanation) See Attached

MEMBER

Additional sheet is is not attached MINORITY PARTICIPATION: MBE 0% WBE 0%

Rhode Island Water Works Assn. New England Water Works Assn. American Water Works Assn. Water Research Foundation

Account Code #87\$-875-52850

Respectfully Submitted, PROVIDENCE WATER

An EPA WaterSense Partner

(401) 521-6309

125 Dupont Drive Providence, RI 02907

www.provwater.com

¥ Follow us (∂provivaler

Like us at facebook.com/Providencewater Ricky Caruole

General Manager



1130 Ten Rod Road Suite F-204 North Kingstown, RI 02852 financial@infusedinnovations.com www.infusedinnovations.com (401) 267-4460

Estimate

\$74,880.00

For:

Providence Water Supply Board

franciscol@provwater.com, scolman@provwater.com

552 Academy Avenue Providence, RI 02908 Estimate No:

42

Date:

02/06/2020

| Description | | Quantity | Rate | Amount |
|--|----------|----------|----------------|--------------|
| Services - PWSB - SCADA Environment Maintenance & Support; Includes: - Firmware Updates - VMware vSphere Updates - Microsoft Updates | | ′ 416 | \$180.00 | \$74,880.00* |
| | | - | Labor Subtotal | \$74,880.00 |
| *Indicates non-taxable item | | | | |
| Please make payment to: | Subtotal | | | \$74,880.00 |
| Bank Account Number: 40630195114713131 Routing Number: 121000248 | Total | | | \$74,880.00 |

Total



1130 Ten Rod Road Suite F-204 North Kingstown, RI 02852 financial@infusedinnovations.com www.infusedinnovations.com (401) 267-4460

Estimate

\$74,880.00

For:

Providence Water Supply Board

franciscol@provwater.com, scolman@provwater.com

552 Academy Avenue Providence, RI 02908 Estimate No:

42

Date:

02/06/2020

| Description | | Quantity | Rate | Amount | |
|--|----------|----------|----------------|--------------|----------|
| Services - PWSB - SCADA Environment Maintenance & Support; Includes: - Firmware Updates - VMware vSphere Updates - Microsoft Updates | | ′ 416 | \$180.00 | \$74,880.00* | HOSTON . |
| | | | Labor Subtotal | \$74,880.00 | |
| *Indicates non-taxable item | | | | | |
| Please make payment to: | Subtotal | | | \$74,880.00 | |
| Bank Account Number: 40630195114713131 Routing Number: 121000248 | Total | | | \$74,880.00 | |

Total

PRINTING SERVICE FOR MONTHLY COLLECTION LETTERS Item # 38 **PRINTING COST ITEMS NUMBER OF LETTERS COST PER LETTER** MONTHLY COST YEARLY COST Paper, Print Fold & 4,815.36 4,180 0.096 401.28 Insert Envelope #9 973.10 4,180 0.019 81.09

0.017

0.132

71.06

553.43

852.72

\$6,641.18

Item # 39

Envelope #10

Paper Cost (Printer)

4,180

4,180

| Item # 39 | | | | | | |
|--------------------------------------|-------|--------------|----------|-------------|--|--|
| | | POSTAGE COST | | | | |
| | | | | | | |
| Postage 1st Class | 380 | 0.500 | 190.00 | 2,280.00 | | |
| Postage Presort 1st Class | 3,800 | 0.389 | 1,478.20 | 17,738.40 | | |
| Total Cost For Postage | 4,180 | 0.399091 | 1,668.20 | \$20,018.40 | | |
| | | | | | | |
| | | | | | | |
| Total Cost for Printing & Postage | 4,180 | 0.531491 | 2,221.63 | 26,659.58 | | |

Item # 40

| D3 POSTAGE RATES | | | | | | |
|------------------|--------|------------------|--------------------|----------------------------|--|--|
| MAIL DATE | CYCLCE | TOTAL MAILING | TOTAL FULL RATE | PERCENTAGE PRESORT RATE | | |
| 01/02/20 | 80-81 | 10,466 | 58 | 99.45% | | |
| 01/03/20 | 82-83 | 9,744 | 54 | 99.45% | | |
| 01/08/20 | 91 | 208 | 208 | 0.00% | | |
| 01/06/20 | 99 | 2,017 | 32 | 98.41% | | |
| 01/09/20 | 66-68 | 2,406 | 19 | 99.21% | | |
| 01/10/20 | 60-84 | 10,204 | 92 | 99.10% | | |
| 01/20/20 | 71-72 | 11,647 | 134 | 98.85% | | |
| 01/20/20 | 65-70 | 13,973 | 126 | 99.10% | | |
| 01/24/20 | 73-74 | 16,192 | 253 | 98.44% | | |
| TOTAL | | 76,857 | 976 | 98.73% | | |

| POSTAGE COST | | | | | |
|----------------------------|-----------|-------------------------|------------------------|-----------------|--|
| | | D3 PRINTING | | | |
| PRESORT LETTERS | FULL RATE | TOTAL PRESORT .389 | TOTAL FULL RATE .50 | MONTHLY COST | |
| 75,896.00 | 976 | 29,523.54 | 488.00 | 30,011.54 | |
| | | IN-HOUSE BILS | | | |
| REASON | FULL RATE | TOTAL PRESORT .389 | TOTAL FULL RATE .50 | YEARLY COST | |
| CLOSINGS | 5,160 | 0.00 | 2,580.00 | 2,580.00 | |
| NEW METER | 4,500 | 0.00 | 2,250.00 | 2,250.00 | |
| MISC BILLS AND LETTERS | 40,000 | 0.00 | 20,000.00 | 20,000.00 | |
| TOTAL | 49,660 | 0 | 24,830.00 | 24,830.00 | |
| | | | | | |
| | тот | AL COST FOR THE | YEAR | | |
| REASON | FULL RATE | PRESORT Letters .389 | TOTAL FULL RATE .50 | YEARLY COST | |
| D3 | 11,712.00 | 910,752.00 | 5,856.00 | 360,138.53 | |
| IN HOUSE | 49,660.00 | 0.00 | 24,830.00 | 24,830.00 | |
| TOTAL COST FOR THE YEAR | | | | 384,968.53 | |
| | | | | | |

Procurement#25554

City of Providence



Rhode Island

Department of City Clerk

MEMORANDUM

DATE:

August 5, 2019

TO:

Purchasing Director

SUBJECT:

APPROVAL OF PAYMENT TO ORCHARD GARAGE, LLC, FOR

THREE (3) PARKING PASSES AT THE BILTMORE GARAGE -

WATER SUPPLY BOARD

CONSIDERED BY:

Board of Contract and Supply

DISPOSITION:

VOTED:

that the Purchasing Director hereby authorizes approval of Payment to Orchard Garage, LLC, for three (3) parking passes at the Biltmore Garage, Providence Water personnel routinely attend meetings at Providence City Hall and the mail courier makes daily trips, for a total amount not to exceed Nine Thousand Eight Hundred Forty Dollars (\$9,840.00) per year, all in accordance with the request of Ricky Caruolo, General Manager, in communication dated

July 24, 2019.

cc: Pur.Dir. Contr. WSB File

Slawn Selleck

City Clerk

100 году станда принципалний пр



July 24, 2019

The Honorable Mayor Jorge O. Elorza Chairman, Board of Contract and Supply City Hall 25 Dorrance Street Providence, RI 02903

The Hon. Jorge O. Elorza Mayor

> Ricky Caruolo General Manager

Re: Purchase of Parking Passes

BOARD OF DIRECTORS

Xaykham Khamsyvoravong Chairperson

> Joseph D. Cataldi Vice Chairperson

> > Luis A. Aponte Councilperson

Jo-Ann Ryan Councilperson

Lawrence J. Mancini Ex-Officio

Cristen L. Raucci, Esq. Member

> Kerri Lynn Thurber Member

Carissa R. Richard Secretary

William E. O'Gara, Esq. Legal Advisor Dear Mayor Elorza:

We are requesting the Mayor to approve and the Board of Contract and Supply to authorize Providence Water (PW) to purchase three parking passes from the Orchard Garage, LLC for parking at the Biltmore Garage in an amount not to exceed \$9,840.00 per year.

PW personnel must routinely attend meetings at Providence City Hall. Additionally, the PW mail courier makes daily trips to City Hall. Due to its proximity to City Hall, the Biltmore Garage is the most convenient/efficient parking location and therefore it is recommended that the Board of Contract and Supply award Orchard Garage, LLC, for three parking passes, in an amount not to exceed \$9,840.00.

Funds are available in the Operations Fund Account: 601-010-53100.

Minority Participation: MBE 0% WBE 0%

MEMBER

Rhode Island Water Works Assn. New England Water Works Assn. American Water Works Assn. Water Research Foundation

An EPA WaterSense Partner

(401) 521-6300

125 Dupont Drive Providence, RI 02907

www.provwater.com

Follow us @provwater

Like us at:

Respectfully Submitted, PROVIDENCE WATER

Ricky Caruolo General Manager

Estimated Cost Summary

| Resource | Expense | # of Personnel | Total Cost | FY21 | FY22 | FY23 |
|-------------------------|------------|----------------|-------------|-------------|-------------|-------------|
| | | | | | | |
| Full Face Respirator | \$112.71 | 30 | \$3,381.30 | \$3,381.30 | \$3,381.30 | \$3,381.30 |
| Half-Face Respirator | \$32.95 | 17 | \$560.15 | \$560.15 | \$560.15 | \$560.15 |
| Filter | \$5.55 | 54 | \$299.70 | \$299.70 | \$299.70 | \$299.70 |
| Emergency Respirator | \$19.89 | 5 | \$99.45 | \$99.45 | \$99.45 | \$99.45 |
| Annual Maintanence Cost | | | \$4,057.56 | \$4,057.56 | \$4,057.56 | \$4,057.56 |
| Yearly Fit Test | \$50.00 | 4 visits | \$200.00 | \$200.00 | \$200.00 | \$200.00 |
| Yearly Medical Eval | \$35.00 | 54 | \$1,890.00 | \$1,890.00 | \$1,890.00 | \$1,890.00 |
| Training w/ respirator: | | | | | | |
| Hazcom/Hazwoper | \$3,450.00 | over 3 days | \$3,450.00 | \$3,450.00 | \$3,450.00 | \$3,450.00 |
| Confined Space | \$199.00 | per person | | | | |
| Silica | \$255.00 | 10 | \$2,550.00 | \$2,550.00 | \$2,550.00 | \$2,550.00 |
| Competent Person | \$390.00 | 17 | \$6,630.00 | \$6,630.00 | \$6,630.00 | \$6,630.00 |
| Excavations | \$390.00 | 15 | \$5,460.00 | \$5,460.00 | \$5,460.00 | \$5,460.00 |
| Chlorine Safety | \$2,500.00 | | \$1,250.00 | \$1,250.00 | \$1,250.00 | \$1,250.00 |
| Yearly Training Cost | | | \$29,828.16 | \$29,828.16 | \$29,828.16 | \$29,828.16 |

Under OSHA standard CFR 1926 Prov Water is required to maintain a respirator and Exposure Control Program

OSHA Fact Sheet



CONTROL OF SILICA DUST IN CONSTRUCTION

Jackhammers or Handheld Powered Chipping Tools

The use of a jackhammer or handheld power chipping tools to break or demolish concrete, stone, masonry or other silica-containing materials can generate *respirable crystalline silica* dust. When inhaled over time, the small particles of silica can irreversibly damage the lungs. This fact sheet describes dust controls that can be used to minimize the amount of airborne dust when using jackhammers or handheld powered chipping tools as listed in Table 1 of the Respirable Crystalline Silica Standard for Construction, 29 CFR 1926.1153.

Engineering Control Method: Water applied continuously to the impact point *OR* Shroud with Vacuum Dust Collection System

Two methods for controlling dust when using jackhammers or powered chipping tools are: (1) continuously feed water to the point of impact; or (2) use a shroud or cowling with a vacuum dust collection system.

Wet Methods

When jackhammering, wetting must occur with a continuous stream or spray of water at the point where the jackhammer's tip strikes the surface material. Employers may use manual spraying or water- spray systems. Under either approach, water must be applied at a flow rate sufficient to minimize the release of visible dust.

Manual Spraying. One option for applying water when jackhammering is to have one worker direct a stream or spray of water at the impact point while another worker operates the jackhammer or powered chipping tool. A portable sprayer with a nozzle can be used for this job.

Electrical Safety. Where water is used to control dust, electrical safety is a particular concern. Use ground-fault circuit interrupters (GFCIs) and watertight, sealable electrical connectors for electric tools and equipment on construction sites.



One worker applies water using a portable sprayer to suppress dust while the other jackhammers.

Only wetting the surface is not sufficient.

Continuous water application either streamed or sprayed at the point where the jackhammer or handheld powered chipping tool breaks the surface is necessary because as the tool breaks through the surface, dry materials below are disturbed, which can produce dust.

Water-Spray Systems. Spray nozzles aimed at the tip of the tool on jackhammers and handheld powered chipping tools can lower silica exposures. Existing equipment can be retrofitted. The National Institute for Occupational Safety and Health (NIOSH) has developed designs for a water-spray retrofit system for jackhammers. See NIOSH's design at: www.cdc.gov/niosh/docs/wp-solutions/2008-127/pdfs/2008-127.pdf.

Employers are responsible for keeping equipment in good working condition to minimize dust. Workers must receive training on how to use dust suppression equipment.

- Dust and debris can clog spray nozzles.
 Check the nozzle frequently. Observe the water spray to be sure it is directed at the point of impact. Clean or change if the nozzle is dripping or spurting.
- Take steps to provide consistent water flow.
 Make sure there is an adequate supply of water.
 Prevent kinked hoses, heavy equipment, or other vehicle traffic from running over hoses, and identify other potential blockages and impediments that could cause a drop in water pressure.
- The spray angle is critical. Check the water-spray angle frequently. Make sure the spray is focused on the breakpoint and the spray is wetting the dust before it spreads away from the tip of the hammer.



A worker chips concrete with a jackhammer using a water-spray attachment to control dust.

Clean up any slurry produced to prevent the slurry from drying and releasing silica dust into the air. Wet slurry can be cleaned up using, for example, shovels or a wet vacuum equipped with a HEPA filter.

Vacuum Dust Collection System (VDCS)

Employers may use commercially available VDCSs for jackhammers and handheld powered chipping tools to reduce silica exposure. A VDCS includes a:

- hood or shroud for the tool that is recommended by the manufacturer;
- vacuum meeting the specifications recommended by the tool manufacturer, with enough suction to capture dust at the cutting point;

- dust collector equipped with a filter efficiency of 99 percent or greater and a filter-cleaning mechanism; and
- vacuum exhaust hose capable of providing the airflow recommended by the tool manufacturer.
 A 1.5" to 2" diameter vacuum exhaust hose is typically adequate.



Jackhammer equipped with VDCS. Shroud around hammer connects to the vacuum on the right.

The tool and VDCS must be operated and maintained in accordance with manufacturers' instructions to minimize dust emissions. Focus on the following areas:

- Keep the vacuum hose clear and free of debris, kinks and tight bends.
- Change vacuum-collection bags as needed or at least as often as the manufacturer recommends.
 Do not over fill the bag.
- **Set** a regular schedule for maintenance and filter cleaning of the VDCS.
- Avoid exposure to dust when changing vacuum bags and cleaning or replacing air filters.

Indoors or in Enclosed Areas

When jackhammers or chipping tools are used indoors or in an enclosed area, wet methods or a VDCS may not reliably keep exposure low. Extra ventilation may be needed to reduce visible airborne dust. Extra ventilation can be supplied by using:

- Exhaust trunks
- Portable exhaust fans
- · Air ducts
- Other means of mechanical ventilation

Ensure that air flow is not impeded by the movements of employees during work, or by the opening or closing of doors and windows.

Position the ventilation to move contaminated air away from the workers' breathing zones.

Use of Compressed Air. Unless there is a ventilation system that effectively captures the dust cloud, do not use compressed air or blowers to clean surfaces, clothing or filters because it can increase exposure to silica. Instead, clean with a HEPA filter-equipped vacuum or by wet methods.

Respiratory Protection

In addition to using wet methods or a VDCS, the use of respiratory protection with a minimum Assigned Protection Factor (APF) of 10 is required whenever jackhammers or handheld powered chipping tools are used indoors or in an enclosed area. APF 10 respirators are also required when jackhammers or handheld powered chipping tools are used outdoors for more than 4 hours per shift.

When respirators are required, employers must put in place a written respiratory protection program in accordance with OSHA's Respiratory Protection standard 29 CFR 1910.134.

Additional Information

For more information, visit www.osha.gov/silica and see the OSHA Fact Sheet on the Crystalline Silica Rule for Construction, and the Small Entity Compliance Guide for the Respirable Crystalline Silica Standard for Construction.

OSHA can provide compliance assistance through a variety of programs, including technical assistance about effective safety and health programs, workplace consultations, and training and education. OSHA's On-Site Consultation Program offers free, confidential occupational safety and health services to small and mediumsized businesses in all states and several territories across the country, with priority given to high-

hazard worksites. On-Site consultation services are separate from enforcement and do not result in penalties or citations. To locate the OSHA On-Site Consultation Program nearest you, visit www.osha.gov/consultation.

Workers' Rights

Workers have the right to:

- Working conditions that do not pose a risk of serious harm.
- Receive information and training (in a language and vocabulary the worker understands) about workplace hazards, methods to prevent them, and the OSHA standards that apply to their workplace.
- Review records of work-related injuries and illnesses.
- File a complaint asking OSHA to inspect their workplace if they believe there is a serious hazard or that their employer is not following OSHA's rules. OSHA will keep all identities confidential.
- Exercise their rights under the law without retaliation, including reporting an injury or raising health and safety concerns with their employer or OSHA. If a worker has been retaliated against for using their rights, they must file a complaint with OSHA as soon as possible, but no later than 30 days.

For additional information, see OSHA's Workers page.

How to Contact OSHA

Under the Occupational Safety and Health Act of 1970, employers are responsible for providing safe and healthful workplaces for their employees. OSHA's role is to ensure these conditions for America's working men and women by setting and enforcing standards, and providing training, education and assistance. For more information, visit www.osha.gov or call OSHA at 1-800-321-OSHA (6742), TTY 1-877-889-5627.

This is one in a series of informational fact sheets highlighting OSHA programs, policies or standards. It does not impose any new compliance requirements. For a comprehensive list of compliance requirements of OSHA standards or regulations, refer to Title 29 of the Code of Federal Regulations. This information will be made available to sensory-impaired individuals upon request. The voice phone is (202) 693-1999; teletypewriter (TTY) number: (877) 889-5627.





Francisco Lugo - RE: Quote on LEAN Six Sigma classes

From:

Pat Whooley <pat.whooley@nhls.com>

To:

Francisco Lugo <franciscol@provwater.com>

Date:

2/5/2020 2:28 PM

Subject: RE: Quote on LEAN Six Sigma classes

Cc:

Stephen Colman <STEVEC@provwater.com>

Hi Francisco,

Listed below is pricing information to conduct onsite Lean Six Sigma Green Belt 4-day training class. I have broken this down showing different participant totals in each class so you can see the exact breakdown. The maximum class size for this training is 25 participants per class.

| Lean Six Sigma Green Belt Onsite Training - 4 day class | | | | | | |
|---|-------------|------------------|---------------------------|--|--|--|
| | Retail C | \$2,796.00 | | | | |
| # of Students | Total Cost | Price per person | Comments | | | |
| 12 | \$21,242.00 | \$1,770.17 | | | | |
| 15 | \$25,436.00 | \$1,695.73 | | | | |
| 20 | \$32,426.00 | \$1,621.30 | | | | |
| 25 | \$39,423.00 | \$1,576.92 | max class size | | | |
| 30 | \$45,775.00 | \$1,525.83 | 2 classes of 15 per class | | | |
| 40 | \$58,375.00 | \$1,459.38 | 2 classes of 20 per class | | | |
| 50 | \$69,995.00 | \$1,399.90 | 2 classes of 25 per class | | | |
| 60 | \$79,995.00 | \$1,333.25 | 3 classes of 20 per class | | | |

^{**}Quoted pricing good through 12/31/2020

Please let me know if you have any questions or if I can provide any other information.

Thanks,

Pat

Pat Whooley | Senior Account Manager

New Horizons Computer Learning Centers

direct: 781-487-3202 | mobile: 508-524-6276

pat.whooley@nhls.com | www.nhls.com | www.nhpowerhour.com

From: Francisco Lugo [franciscol@provwater.com]

Sent: Tuesday, February 4, 2020 4:44 PM

Item # 44

NEWWA COURSES (FY21 - FY23)

| | FY 21 | FY 22 | FY 23 |
|--|------------|------------|------------|
| Cost of License Renewal Credits | \$6,000 | \$18,300 | \$3,300 |
| New Hires / Turnover | | | |
| Cost per new hire: | | | |
| NEWWA | \$800 | \$800 | \$800 |
| License Test Prep | \$200 | \$200 | \$200 |
| Avg. 5 employees x \$1,000/yr = | \$5,000 | \$5,000 | \$5,000 |
| License Testing/Renewal | | | |
| D3/D4 | | | |
| Cost per employee: | | | |
| NEWWA Prep Courses | \$500 | \$500 | \$500 |
| Study Guides | \$100 | \$100 | \$100 |
| Avg. 5 employees x \$600/yr = | \$3,000 | \$3,000 | \$3,000 |
| On-Site NEWWA Classes (per year) | | | |
| 2 Classes @ \$3,200/session | \$6,400 | \$6,400 | \$6,400 |
| Employees Attending NEWWA (Non-Credit) | | | |
| Avg. 10 employees x \$300/yr = | \$3,000 | \$3,000 | \$3,000 |
| NEWWA Conferences | | | |
| Avg. per year (annual/indivuals) = | \$5,000 | \$5,000 | \$5,000 |
| FY2019 Spend | (\$12,200) | (\$12,200) | (\$12,200) |
| TOTALS | \$16,200 | \$28,500 | \$13,500 |

D1 License = 15 credits

D3 License = 30 credits

D4 License = 30 credits

Operators recertify every 3 years

D1 Operators = 35

D3/D4 Operators = 13

T1 Operators = 1

T3/T4 Operators = 15

^{*}Every 3 years, larger group of renewals come due FY22 budgeted for this renewal group

^{**}Operators with both Distribution and Treatment Licenses cannot overlap courses to satisfy both education requirements

SAFETY COURSES (FY21 - FY23)

| | FY 21 | FY 22 | FY 23 |
|----------------------------------|---------|---------|---------|
| Permit Required Confined Space^ | \$3,975 | \$3,975 | \$3,975 |
| Confined Space Technical Rescue* | \$5,556 | \$5,556 | \$5,556 |
| OSHA 30 Certification* | \$629 | \$629 | \$629 |
| Silica Training* | \$1,020 | \$1,020 | \$1,020 |
| Managing Excavation Hazards* | \$1,020 | \$1,020 | \$1,020 |
| | | | |
| | | | |
| | | | |

\$12,200

\$12,200

\$12,200

TOTALS

^{*}Assumes (4) employees per year

[^]Assumes (5) employees per year

NEWWA Invoices for Onsite Classes



125 Hopping Brook Road Holliston, MA 01746-1471 T 508.893.7979 • F 508.893.9898

27-Mar-17

Yvette Jaquez Training/Communications Coordinator Providence Water Supply Board 552 Academy Ave · Pawtucket, RI 02860-1018

4/3/17 O.K. to pay Aml. \$3370.00 PO#36466 Sheeth C. Juiguez

INVOICE

| 0 | |
|--------|--|
| Course | |
| Course | |

Excavation Safety: Competent Person Training

SES316DC

Date:

3/16/2017

Attendees:

Conduct One Session

\$2,600.00

#22 sets of participants materials @\$35 ea

\$770.00

Total Due

\$3,370.00

Enclosures:

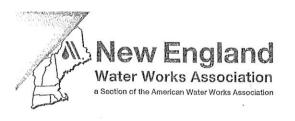
Final Attendance Roster

Participant Evaluation Summary

CEU Certificates for all participants completing the session

Please send a copy of this invoice along with the payment to NEWWA, Attn: Pamela Amalfi

Credit Card [] VISA [] MC [] AMEX # _____ Exp_ Signature



125 Hopping Brook Road Holliston, MA 01746-1471 T 508.893.7979 • F 508.893,9898 www.newwa.org

29-Aug-17

Yvette Jaquez
Training/Communications Coordinator
Providence Water Supply Board
552 Academy Ave
Pawtucket, RI 02860-1018

PO# 37801 O.K. to pay 9/1/17 Amt. \$ 3060.00 Suite C. Lugnez

INVOICE

Course:

OSHA Confined Space Safety

SCS118AC

Date:

8/24/2017

Attendees:

13

Conduct One Session

\$2,800.00

#13 sets of participants materials @\$20 ea

\$260.00

Total Due

\$3,060.00

Enclosures:

Final Attendance Roster
Participant Evaluation Summary
CEU Certificates for all participants completing the session

Please send a copy of this invoice along with the payment to NEWWA, Attn: Pamela Amalfi

| Credit Card [] VISA [] MC []AMEX # | Exp |
|---------------------------------------|-----|
| | |
| Signature | |



2020 Spring Joint Regional Conference & Exhibition

Conference Registration Form

Register online at newwa.org or complete this form and return by fax 508.893.9898 or mail to NEWWA, 125 Hopping Brook Road, Holliston, MA 01746-1471. Register and pay by March 13th to receive a discount. No refunds will be given after March 26th.

| PART I - CONTACT INFORMATION | (Please print clearly. I | Name and titl | e will appear | on badges as tl | ney are w | vritten belo | ow.) |
|---|---|--|--|--|---------------------|------------------------------------|------------------------------|
| Name | · · · · · · · · · · · · · · · · · · · | Title | | | | Nickname | |
| Company | | | | | | | |
| Address | | City | | | | State | Zip |
| Phone | Email | L | | | | | Member # |
| PART II - REGISTRATION OPTIONS | AND FEES (Membersh | ip can be in ar | y of the spon | soring organiza | tions. Fe | e includes | buffet lunch.) |
| Two-Day Registration Options | · | | Member/Sp | | Full I | | Amount Paid |
| Regular | () () | | | \$260 | | \$310 | |
| Young Professional | | | | 190 | | 250 | |
| Retired Member (Must be a fully retire | ed NEWWA member) | | | 100 | | N/A | |
| Full-time Student | | | | 50 | | 50 | |
| One-Day Registration Options - Please | indicate which day you | u will attend. | Member/Sp | eaker Price | Full I | Price | Amount Paid |
| Regular | ☐ WED | ☐ THURS | | \$185 | | \$280 | |
| Young Professional | □ WED | ☐ THURS | | 140 | | 160 | |
| Full-Time Student | □ WED | ☐ THURS | | 30 | | 30 | |
| FREE Exhibit Hall Only - No Sessions | Sessions | | | N/A | | N/A | |
| \square Early Registration Discount - Individuals registering and paying by Ξ | | /13, check h | ere and deduc | t \$30. (| Enter -30) | | |
| PART III - ADDITIONAL PROGRAMS | Apple A Salter And | narian. | i de la companya de l | | 1999 | NA SE | SEPTEMBER 25 |
| Each tour is limited to 45 people. The advance. You must have a paid retour. Please check the box indicating email confirmation that you are registed a wait list. | egistration for the co which tour you plan to | inference to attend. You w | attend the ill receive an | Tour A \$25 WEDNESDAY APRIL 1 | / <u>Т</u> н | Tour B \$25 URSDAY PRIL 2 | Amount Paid |
| Wednesday Morning Young Professional Meet & Greet Breakfast — Fee included in registration but please check box if y | | | | ck box if you | plan to attend. | | |
| ☐ Thursday Morning Diversity Panel & Breakfast — Fee included in registration but please check box if you | | | f you plai | n to attend. | | | |
| PART IV - DISCOUNTED UTILITY/ST | ATE REGULATORY AGI | ENCY FEES | 20.00 | | THE R | | |
| Utilities/State Agencies are encourage for one fee. State or Federal agencie utility/state agency employees atte form and the list on the next page tommissioners, call NEWWA at 508. | s should call NEWWA to ending on the next pa ogether to be register | o determine t ge and check ed. If you ne | hese charges which day(s ed assistance | based on atter | ndance. attendin | Please list | the names of ust return this |
| Class (population served) | | | Membe | r Price | Full F | Price | Amount Paid |
| Utilities with < 1,000 population serve | | | | \$ 390 | | \$ 475 | |
| Utilities with = or > 1,000 and < 5,000 | oopulation served | | | 575 | | 675 | |
| Utilities with = or > 5,000 and < 25,000 | population served | | | 1,050 | | 1,190 | |
| Utilities with = or > 25,000 and < 50,00 | 0 population served | | | 1,340 | | 1,525 | |
| Utilities with = or > 50,000 population | served | | | 1,695 | | 1,880 | |
| \square Early Registration Discount - Org | anizations registering | and paying b | y 3/13, chec | k here and dec | luct \$60. | (Enter -60) | |
| PART V - METHOD OF PAYMENT | | | Anta Ka | | Mall E | | PACTAGE |
| | | T | OTAL PAYMI | ENT - total fees | minus (| discount(s |) \$ 0 |
| ☐ Personal Check (Payable NEWWA) Credit Card # | ☐ Company Check [| ☐ MasterCard Exp. [| | □ AMEX □ I gnature | 90 | | - |
| ☐ Check here if you have a disabilit NOTE: If you need special hotel acc | y and may require acco | mmodations st inform the l | to fully partici | ipate. You will l | oe contac | cted by NEV | WWA. E |

For additional information about the conference or to download the conference program, visit newwa.org

NEWWA COURSE FOR CREDITS

Magnetic La BACKFLOW/CC* 🚇 LCR Rule: Fact Sheet 🗢 Forging Powerful a... CAREERS TRAINING & CERTIFICATION -🕙 Lawson 📉 Radar | Weather Un... MEMBERSHIP & RESOURCES * ABOUT (P) Pryor LMS 3 Photos: Photos: The... HOME newwa.org/TrainingCertification/UpcomingCoursesEvents.aspx New England IND UAT Site No Welcome to Provid... RED Login

Meeting Details

Special rates and information may apply to known users only. After reviewing the information below you may wish to click the link below to login now. After login, you will be returned to this page automatically as a known user. All registration processes require login. You may modify the instructions for anonymous users in the web.config file.

For a complete course description, who should attend, prerequisites, learning outcomes, how learning outcomes will be assessed, assessment feedback, prerequisites, and technology requirements please consult the Course Catalog

Click here to login now. You will be redirected back to this page after login.

☐ ➤ HANDS-ON VALVE OPERATION AND

■ Meeting Details

Description: 8:30am - 3:30pm, 0.6 CEUs

Course code: DV0320AT

also feature a hands-on instructional component where participants tear testing, and maintaining mainline distribution valves and water mains. It will also examine the fundamentals of valve and main maintenance focus on optimal operation of the distribution system. The course will This course will instruct you in the proper procedures for inspecting, and detail effective maintenance management procedures with the down each type of valve.

If you have a disability and require accommodations to fully participate please contact NEWWA at (508) 893-7979

Holliston, MA Location:

New England Water Works Association Tuesday, March 24, 2020 Date: Site:

Full Price: \$240.00 Member: \$190.00

⊞ 😞 Contacts

D1 PREP COURSE



You may click the grid headers to sort the course and event listings. The listings may also be filtered by 'Meeting Type,' 'Location,' or 'Start Month' for your convenience. Click a 'Details' link to see additional information regarding a specific event.

*NOTE: We will no longer accept Discover cards due to transactional errors. Effective 12/13/17.

Meeting Details

Special rates and information may apply to known users only. After reviewing the information below you may wish to click the link below to login now. After login, you will be returned to this page automatically as a known user. All registration processes require login. You may modify the instructions for anonymous users in the web, config file.

For a complete course description, who should attend, prerequisites, learning outcomes, how learning outcomes will be assessed, assessment feedback, prerequisites, and technology requirements please consult the COUISE_CATELOG

Click here to login now. You will be redirected back to this page after login.

☐ ➤ TECHNICAL TRAINING AND DRINKING WATER ☐ ► ■ OPERATOR EXAM PREP, GRADE D1

Description : March 11 - April 22, 8:30am - 11:45am, 1.8 CEUs>br>Course code:
DAD320AT

This course will help you prepare for the Grade D1 operator exam. Topics covered include: basic math, pumps, pipe installation and maintenance, services, meters, valves, hydrants, backflow prevention, storage reservoirs, basic hydraulics, disinfection, records, and

If you have a disability and require accommodations to fully participate please contact NEWWA at (508) 893-7979.

Location: Holliston, MA

Dates: Wednesday, March 11, 2020 to Wednesday, April 22, 2020

Site: New England Water Works Association

Member: \$500.00 Full Price: \$550.00 # & Contacts

D3/D4 PREP COURSES



You may click the grid headers to sort the course and event listings. The listings may also be filtered by 'Meeting Type,' 'Location,' or 'Start Month' for your convenience. Click a 'Details' link to see additional information regarding a specific event.

*NOTE: We will no longer accept Discover cards due to transactional errors. Effective 12/13/17.

Meeting Details

Special rates and information may apply to known users only. After reviewing the information below you may wish to click the link below to login now. After login, you will be returned to this page automatically as a known user. All registration processes require login. You may modify the instructions for anonymous users in the web.config file.

For a complete course description, who should attend, prerequisites, learning outcomes, how learning outcomes will be assessed, assessment feedback, prerequisites, and technology requirements please consult the <u>Course Catalog</u>

Click here to login now. You will be redirected back to this page after login.

☐ ➤ CONCEPTS AND PRACTICES OF ADVANCED ☐ ■ DRINKING WATER TREATMENT, T3/T4

Meeting Details

Description : Feb 27 - May 21, 1:00pm - 4:15pm, 3.6 CEUs Course code: TAP320AT

This course will help you prepare for the Grade T3 and/or T4 operator exam. Topics covered includes word problems; chemistry; public health, safety, and importance of water treatment; ground and surface water treatment concerns; SDWA, disinfection methods and byproducts; filtration and treatment plant residuals handling; coagulation, flocculation, danification, setting, and filtering; disinfection methods and byproducts; sampling; chemical feed systems; electric motors; alarms and controls; and safety.

If you have a disability and require accommodations to fully participate please contact NEWWA at (508) 893-7979.

Location: Holliston, MA

Dates: Thursday, February 27, 2020 to Thursday, May 21, 2020 Site: New England Water Works Association

B \$ Meeting Fees

Member: \$1100.00 Full Price: \$1200.00 Cancellation Schedule

E & Contacts

PARTIAL COURSE LIST TO OBTAIN CREDITS FOR DISTRIBUTION AND TREATMENT LICENSES

New England

HOME ABOUT MEMBERSHIP & RESOURCES →

TRAINING & CERTIFICATION .

CAREERS

BACKFLOW/CC*

EVENTS*

NOTE: We will no longer accept Discover cards due to transactional errors. Effective 12/13/17.

| | Meeting Name | Meeting Type | Location | Start Date | End Date |
|---------|--|--|--|---|--|
| Details | BACKFLOW PREVENTION DEVICE TESTER RECERTIFICATION REVIEW TRAINING | Connection/Backflow | Holliston, MA | 2/10/2020 | 2/11/2020 |
| Details | **FULL** BACKFLOW PREVENTION DEVICE INSPECTOR/TESTER TRAINING | Connection/Backflow | Holliston, MA | 2/11/2020 | 2/14/2020 |
| Details | BIOFILM IN YOUR DRINKING WATER SYSTEM: CONCERNS AND CONTROLS | Water System Management | Holliston, MA | 2/20/2020 | 2/20/2020 |
| Details | ETHICS AND WATER SYSTEM OPERATIONS | Water System Management | Holliston, MA | 2/25/2020 | 2/25/2020 |
| Details | THE FUNDAMENTALS OF CROSS CONNECTION CONTROL | Connection/Backflow | Holliston, MA | 2/25/2020 | 2/25/2020 |
| Details | CONCEPTS AND PRACTICES OF ADVANCED DRINKING WATER TREATMENT, T3/T4 | Treatment Operations | Holliston, MA | 2/27/2020 | 5/21/2020 |
| Details | CONCEPTS AND PRACTICES OF BASIC DRINKING WATER TREATMENT, T2 | Treatment Operations | Holliston, MA | 3/3/2020 | 5/26/2020 |
| Details | UNDERSTANDING THE IMPORTANCE OF CONTACT TIME (CT) IN DISINFECTION | Treatment Operations | Holliston, MA | 3/5/2020 | 3/5/2020 |
| Details | CROSS CONNECTION SURVEYOR TRAINING | Cross Connection/Backflow | Holliston, MA | 3/10/2020 | 3/12/2020 |
| Details | CONCEPTS AND PRACTICES OF DRINKING WATER DISTRIBUTION, D2-4 | Distribution Operations | Holliston, MA | 3/11/2020 | 6/3/2020 |
| Details | TECHNICAL TRAINING AND DRINKING WATER OPERATOR EXAM PREP, GRADE D1 | Distribution Operations | Holliston, MA | 3/11/2020 | 3/11/2020 4/22/2020 |
| Details | TECHNICAL TRAINING AND DRINKING WATER OPERATOR EXAM PREP, GRADE T1 | Treatment Operations | Holliston, MA | 3/12/2020 | 4/30/2020 |
| Details | BACKFLOW PREVENTION DEVICE TESTER RECERTIFICATION REVIEW TRAINING | Cross Connection/Backflow | Holliston, MA | 3/17/2020 | 3/18/2020 |
| Details | EFFECTIVE PROJECT MANAGEMENT | Management Courses | Holliston, MA | 3/19/2020 | 3/19/2020 |
| Details | HANDS-ON BENCH TOP LABORATORY SKILLS | Basic Science/Math | Holliston, MA | 3/19/2020 | 3/19/2020 |
| Details | Details HANDS-ON VALVE OPERATION AND MAINTENANCE | Distribution Operations | Holliston, MA | | 3/24/2020 3/24/2020 |
| | | The state of the s | Commence of the Commence of th | to an open or an analysis of the second | Second and the Control of the Contro |

HOME ABOUT ► MEMBERSHIP & RESOURCES ► TRAINING & CERTIFICATION ►

CAREERS BACKFLOW/CC+ EVENTS+

| Details | BASIC MATH CONCEPTS AND APPLIED DRINKING WATER MATH | Basic Science/Math | Holliston, MA | 4/7/2020 | 5/5/2020 |
|---------|---|------------------------------|------------------|-----------|-----------|
| Details | SOUND PROCEDURES FOR DRINKING WATER SAMPLING | Basic Science/Math | Holliston, MA | 4/8/2020 | 4/8/2020 |
| Details | DRINKING WATER OPERATOR EXAM REFRESHER, GRADES D3 AND D4 | Distribution Operations | Holliston, MA | 4/9/2020 | 4/16/2020 |
| Details | USING UNIDIRECTIONAL FLUSHING AS A DISTRIBUTION SYSTEM TOOL | Distribution Operations | Holliston, MA | 4/14/2020 | 4/14/2020 |
| Details | THE FUNDAMENTALS OF CROSS CONNECTION CONTROL | Cross Connection/Backflow | Holliston, MA | 4/14/2020 | 4/14/2020 |
| Details | KNOWING, OPERATING & TROUBLESHOOTING YOUR CHEMICAL FEED PUMPS | Treatment Operations | Holliston, MA | 4/15/2020 | 4/15/2020 |
| Details | OPERATIONAL CONTROL OF COAGULATION AND FILTRATION TREATMENT PROCESSES | Treatment Operations | Holliston, MA | 4/16/2020 | 4/16/2020 |
| Details | SANITARY SURVEY PREPARATION AND FOLLOW-UP COMPLIANCE | Water System Management | Holliston, MA | 4/22/2020 | 4/22/2020 |
| Details | OSHA CONFINED SPACE SAFETY | Safety Courses | Holliston, MA | 4/23/2020 | 4/23/2020 |
| Details | HANDS-ON PRESSURE REDUCING VALVE OPERATIONS AND MAINTENANCE | Distribution Operations | Holliston, MA | 4/28/2020 | 4/28/2020 |
| Details | PREPARING FOR AND RESPONDING TO CUSTOMER WATER QUALITY COMPLAINTS | Water System Management | Holliston, MA | 4/29/2020 | 4/29/2020 |
| Details | WATER SYSTEM HYDRAULICS OVERVIEW | Basic Science/Math | Holliston, MA | 4/30/2020 | 4/30/2020 |
| Details | EXCAVATION SAFETY: ARE YOU A COMPETENT PERSON? | Safety Courses | Holliston, MA | 5/4/2020 | 5/5/2020 |
| Details | HANDS-ON BACKHOE & FRONT END LOADER OPERATOR TRAINING | Safety Courses | Holliston, MA | 5/6/2020 | 5/6/2020 |
| Details | HANDS-ON BACKHOE & FRONT END LOADER OPERATOR TRAINING | Safety Courses | Holliston, MA | 5/7/2020 | 5/7/2020 |
| Details | CROSS CONNECTION SURVEYOR TRAINING | Gross Connection/Backflow | Holliston, MA | 5/12/2020 | 5/14/2020 |
| Details | BACKFLOW PREVENTION DEVICE TESTER RECERTIFICATION REVIEW TRAINING | Cross Connection/Backflow | Holliston, MA | 6/9/2020 | 6/10/2020 |

UPCOMING NEWWA CONFERENCES (2021- 2024)

wsbee.com/fairs/NEWWA-Annual-Conference.html

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LCR Rule: Fact Sheet

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Search Event, Venue or Orgnizer

Trade Shows Home > Special Purpose Machinery Fairs > NEWWA Annual Conference 2020



right data to drive people Equip managers with the and business success



NEWWA Annual Conference 2020



New England

a Section of the American Water Works Association Water Works Association



11-12. Join other Orlando FL Feb engineers in

atest advances in Magnetics beautiful FL.



139th New England Water Works Association Annual Conference **NEWWA Annual Conference 2020** Date: 9/20/2020 - 9/23/2020

227 days left

Venue: Omni Mount Washington Resort, Bretton Woods NH, United States

opportunities. The Conference program will include technical session tracks over 2 days on topics including water treatment, management, sustainability, water resources, water quality, distribution, and groundwater. TCH credit will be Hundreds of water works professionals attended NEWWA's Annual Conference for educational and networking available to all attendees

membership recognition celebration. The annual Water For People silent auction is also returning, as well as the ever-popular "Aging Infrastructure" contest and "New England's Best" Drinking Water Taste Test. A variety of guest and social programs are also on tap for the week, including Wednesday's golf tournament. Plenty of networking opportunities are also available—from multiple receptions, to roundtable discussions, to the

Website: https://newwa.org/Events/AnnualConference.aspx

Future Dates:

NEWWA Annual Conference 2023 NEWWA Annual Conference 2024 **NEWWA Annual Conference 2022** NEWWA Annual Conference 2021

9/17/2023 - 9/20/2023 9/18/2022 - 9/21/2022 9/19/2021 - 9/22/2021

2024-9

North Falmouth MA, United States Burlington VT, United States Newport RI, United States

TBD, United States

UPCOMING NEWWA MEETINGS



Call for Papers

www.suez-na.com

| Meeting/Conference | Event Date | Location | Abstract Submittal Deadline |
|---|-----------------------|---|-----------------------------|
| Spring Joint Regional Conference & Exhibition | April 1-2, 2020 | DCU Center, Worcester, MA | October 15, 2019 |
| 2020 Annual Conference | September 20-23, 2020 | Mt. Washington, Bretton Woods. NH | March 13, 2020 |
| Water Resources & Sustainability Symposium | October 2020 | TBD | May 24, 2020 |
| IT & Asset Managment Fair | November 2020 | 180 | June 10, 2020 |
| NEWWA/RIWWA Joint Membership Meeting | July 14, 2020 | Salve Regina University, Newport, RI | April 30, 2020 |
| December Membership Meeting | December 17, 2020 | The Lantana, Randolph, MA | September 15, 2020 |
| NEWWA/NHWWA Joint Membership Meeting | January 2021 | Birchwood Vineyards, Derry, NH | October 15, 2020 |

NEWWA conferences and meetings provide information on a wide range of water works topics. The Program Committee is soliciting abstracts of presentations for upcoming monthly meetings and conferences. The committee is interested in topics related to all areas of the water profession including, but not limited to:

Customer Service • Water Utility Financing • Regulations • Water Supply-Related Case Studies • Management innovations • Public Communication or Outreach • Source Water Treatment Technology • Distribution Maintenance • Safety or Other Personnel Management Areas • Distribution System Upgrades • Demand Management & Conservation • Protection • Watershed Management • Information Technology and Innovation • Benchmarking/Quality Utility Service • Water Quality

Abstract Requirements/Information: If you have an abstract you would like to be considered for presentation at a monthly meeting or one of our two major conferences, please use the button below. To submit an abstract for NEWWA symposia, click the link in the above table.







CONFINED SPACE RESCUE TECHNICIAN

| ABOUT | INSTRUCTORS | PDF CALENDAR |
|----------------|------------------------------------|--------------|
| | | |
| Class Name | Confined Space Rescue Technician | |
| Date Range | 03/30/2020 - 04/03/2020 | |
| Class Duration | 40 Hours | |
| Location | Ashland, OR | |
| Status | Spaces Open for Early Registration | |
| Price | \$1,389 | |
| | REGISTER | |
| Class Name | Confined Space Rescue Technician | |

05/11/2020 - 05/15/2020

40 Hours

Rifle, CO

Date Range

Location

Class Duration





OSHA #7410 Managing Excavation Hazards

Course Description: This one-day course is designed as a training program to inform employers and employees of the best practices in trenching and excavation safety. The participant will learn about the role and responsibility of the employer to assign a "competent person" to the





excavation site and provide that person with the knowledge of key excavation hazards. Topics include: understanding and application of definitions related to OSHA's excavation standard; excavation hazards and control measures; soil analysis techniques; protection system requirements, and emergency response. The program is a facilitated interactive session.

Who should attend? Construction employer, manager, employee, or employee representative who, as part of a safety and health program, needs to understand the requirements of a "competent person" for excavation work as described in the OSHA construction safety standards for excavations (29 CFR 1926, Subpart P). Advanced training beyond the scope of OSHA Course 7410 is available by attending the 3.0 day OSHA 3015 Course: Excavation, Trenching and Soil Mechanics.

Days: 1 | Credits: 0.7 CEUs,TCH | \$265

| Course Section | Dates | Location |
|----------------|--------------|----------------|
| NCOS-7410-N5C | May 14, 2020 | Manchester, NH |
| NCOS-7410-N12C | Dec. 9, 2020 | Wellesley, MA |

Searching for a particular course?

OSHA 30 TRAINING

| OUR ENR | OLLMENTS-1ITEM | | | | SIGN UP |
|-----------------------|---|-----------------------------------|---|---|---|
| 30 HOUR GENERAL | OSHA 30 Hour General Industry Training with Fi Study Guide Gift This Course | ree <u>1</u> Remove | | \$189.00 | Existing Customers Username or Email |
| | | | | (\$30.00) | Username or Email Forgot your username |
| CONTINUE | SHOPPING | Promotional code X Code O APPLY | Order Subtotal: Product Discounts: Discount: Order Total: | 1 Item \$189.00 (\$30.00) \$0.00 \$159.00 | Password Password Forgot your password? |
| | | | | | OR - |





OSHA #2264 Permit-Required Confined Space Entry

Course Description: Increase knowledge of hazards associated with permit-required confined space entry in general industry and construction. Topics include: OSHA standards for confined space entry and the implementation in general industry 1910 and construction





1926; hazards associated with confined space entry; permits, procedures and written programs; roles and responsibilities of entrants, attendants and supervisors; personal protective equipment; ventilation and purging; appropriate atmospheric testing equipment and limitations; functional use and application of metering devices; and emergency procedures and confined space rescue requirements. Participants explore the use and limitations of explosion meters, oxygen meters and other test equipment, and learn the operation and calibration of gas monitoring equipment. This course includes confined space entry exercises and demonstrations. Expanded curriculum to include Subpart AA Confined Spaces in Construction.

Days: 3 | Credits: 2.0 CEUs, TCH | \$795

| Course Section | Dates | Location |
|----------------|-------------------|----------------|
| NCOS-2264-N4C | April 28-30, 2020 | Fairfield, CT |
| NCOS-2264-N9C | Sept. 15-17, 2020 | Manchester, NH |

Searching for a particular course?

| - 2 | |
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OSHA #7215 Silica in Construction, Maritime, and General Industries

Course Description: This course covers the development and implementation of controls and strategies to prevent or mitigate silica exposures in construction, maritime, and general industries. Course



topics include describing the requirements of OSHA's Respirable Crystalline Silica standards and recognizing the hazards and risks, assessment options, and exposure control measures associated with silica exposure.

Days: 1 | Credits: 0.7 CEUs | \$285

| Course Section | Dates | Location |
|----------------|--------------|----------------|
| NCOS-7215-N5C | May 14, 2020 | Manchester, NH |
| NCOS-7215-N12C | Dec. 7, 2020 | Wellesley, MA |

| Searc | hing | for | a | particul | lar | course? |
|-------|------|-----|---|----------|-----|---------|
| | 0 | | | 1 | | |

| Search |
|--------|
| |

OSHA/Keene Course Announcements

- HIT THE GROUND RUNNING! Stay Up to Speed on Key Construction Standards & Best Practices.
- OSHA Winter 2020 Safety Event
- · Spring Job Fair and PDC at Keene State College

Gregg Giasson - Docket 4994 - Lead Free Water Stations

From:

Gregg Giasson

To:

Alicia Mignanelli 2/14/2020 02:07 PM

Date:

Subject: Docket 4994 - Lead Free Water Stations

Cc:

Mary Deignan-White

The backup for the water filter stations.

The installed cost for each station is ~ \$1300. Providence Water has ~114 K-12 schools.

\$1300 x 114 = \$148,200

| Name | StreetNum StreetName | Stsuffix | City | State Zip | Zip grade span |
|---|---------------------------|----------|---------------------|-----------|----------------|
| Centredale School | 41 Angell | Avenue | North Providence RI | R |)11 |
| West Broadway Middle School | 29 Bainbridge | Avenue | Providence | R | 02909 5-8 |
| George J. West Elementary School | 145 Beaufort | Street | Providence | R | 02908 KF - 05 |
| Birchwood Middle School | 10 Birchwood | Drive | North Providence RI | R | 02904 6-8 |
| E-Cubed Academy | 812 Branch | Avenue | Providence | R | 02904 9-12 |
| Alan Shawn Feinstein Elementary at Broad Street | 1450 Broad | Street | Providence | R | 02905 KF - 05 |
| Woodridge School | 401 Budlong | Road | Cranston | R | 02920 KF - 05 |
| Harry Kizirian Elementary School | 60 Camden | Avenue | Providence | Z | 02908 KF - 05 |
| Dr. Martin Luther King, Jr. Elementary School | 35 Camp | Street | Providence | R | 02906 PF - 05 |
| Urban Collaborative Accelerated Program | 75 Carpenter | Street | Providence | ₽. | 02903 7-9 |
| Nathanael Greene Middle School | 721 Chalkstone | Avenue | Providence | R | 02908 6-8 |
| Johnston Senior High School | 345 Cherry Hill | Road | Johnston | R | 02919 9-12 |
| Paul Cuffee Charter School | 544 Elmwood | Ave | Providence | Z | 02909 KF - 12 |
| Providence Career and Technical Academy | 41 Fricker | Street | Providence | R | 02903 9-12 |
| Glen Hills School | 50 Glen Hills | Drive | Cranston | Ξ | 02920 PK - 05 |
| Academy for Career Exploration (ACES) | 155 Harrison | Street | Providence | Z. | 02907 9-12 |
| 360 High School | 324 Hope | Street | Providence | Z. | 02906 9 |
| Hope High School | 324 Hope | Street | Providence | R | 02906 9-12 |
| Dr. Edward A. Ricci Middle School | 51 Intervale | Avenue | North Providence | R | 02911 6-8 |
| William D'Abate Elementary School | 60 Kossuth | Street | Providence | R | 02909 KF - 05 |
| Frank D. Spaziano Elementary School | 85 Laurel Hill | Avenue | Providence | R | 02909 2-5 |
| George J. Peters School | 15 Mayberry | Street | Cranston | R | 02920 KF - 05 |
| Cranston High School West | 80 Metropolitan | Avenue | Cranston | R | 02920 9-12 |
| Cranston West - Career Tech | 100 Metropolitan | Avenue | Cranston | R | 02920 9-12 |
| Dr. Joseph A Whelan Elementary School | 1440 Mineral Spring | Avenue | North Providence R | _ | 02904 KG - 05 |
| Greystone School | 100 Morgan | Avenue | North Providence | R | 02911 PK - 05 |
| Evolutions High School | 434 Mount Pleasant Avenue | t Avenue | Providence | R | 02908 9 |
| Mount Pleasant High School | 434 Mount Pleasant Avenue | t Avenue | Providence | R. | 02908 9-12 |
| Robert F. Kennedy Elementary School | 195 Nelson | Street | Providence | R | 02908 PK - 05 |
| Cranston Alternative Learning | 205 Norwood | Avenue | Cranston | Z. | 02905 9-12 |
| Eden Park School | 180 Oakland | Avenue | Cranston | R | 02910 KF - 05 |
| Pleasant View School | 50 Obediah Brown | Road | Providence | ≅ | 02909 PK - 05 |
| Mary E. Fogarty Elementary School | 199 Oxford | Street | Providence | R | 02905 KF - 05 |

| Name | StreetNum StreetName | Stsuffix | City | State Zip | Zip grade_span |
|---|----------------------|-----------|---------------------|--------------|----------------|
| Park View Middle School | 25 Park View | Boulevard | Boulevard Cranston | R | 02910 6-8 |
| Western Hills Middle School | 400 Phenix | Avenue | Cranston | R | 02930 NA |
| Gilbert Stuart Middle School | 188 Princeton | Avenue | Providence | Ξ | 02907 6-8 |
| Paul Cuffee Charter School | 459 Promenade | Street | Providence | \mathbb{Z} | 02908 KF - 12 |
| Lillian Feinstein Elementary, Sackett Street | 159 Sackett | Street | Providence | R | 02907 KF - 05 |
| Veazie Street School | 211 Veazie | Street | Providence | Ξ | 02904 KF - 05 |
| Stone Hill School | 21 Village | Avenue | Cranston | \mathbb{Z} | 02920 PK - 05 |
| Webster Avenue School | 191 Webster | Avenue | Providence | R | 02909 KF - 05 |
| Classical High School | 770 Westminster | Street | Providence | R | 02903 9-12 |
| Sarah Dyer Barnes School | 24 Barnes | Avenue | Johnston | R | 02919 KG - 05 |
| Paul Cuffee Charter School | 30 Barton | Street | Providence | R | 02909 KF - 12 |
| Brown Avenue School | 14 Brown | Avenue | Johnston | R | 02919 1-5 |
| Graniteville School | 6 Collins | Avenue | Johnston | R | 02919 PK - PF |
| Stadium School | 100 Crescent | Avenue | Cranston | R | 02910 PK - 05 |
| Sheila Skip Nowell Leadership Academy (Capital Campus | 133 Delaine | Street | Providence | R | 02909 9-12 |
| The Met - Liberty School | 362 Dexter | Street | Providence | R | 02907 9-12 |
| Stephen Olney School | 1378 Douglas | Avenue | North Providence RI | <u>R</u> | 02904 NA |
| Achievement First Iluminar Mayoral Academy | 370 Hartford | Avenue | Providence | R | 02909 KF - 02 |
| Achievement First Providence Mayoral Academy | 370 Hartford | Avenue | Providence | R | 02909 KF - 04 |
| Frank D. Spaziano Elementary School Annex | 240 Laban | Street | Providence | <u>R</u> | 02909 KF - 01 |
| Highlander Charter School | 42 Lexington | Avenue | Providence | R | 02907 PF - 12 |
| Marieville Elementary School | 1135 Mineral Spring | Avenue | North Providence R | Z. | 02904 KG - 05 |
| North Providence High School | 1828 Mineral Spring | Avenue | North Providence R | Z. | 02904 9-12 |
| Garden City School | 70 Plantations | Drive | Cranston | <u>R</u> | 02920 PK - 05 |
| The Sgt. Cornel Young, Jr & Charlotte Woods | 674 Prairie | Δνεμιο | Providence | <u>~</u> | 02905 PK - 05 |
| Elementary School @ The B. Joe Clanton Complex | | 20120 | | 2 | CO - N - COCZO |
| Arlington School | 155 Princess | Avenue | Cranston | <u>~</u> | 02920 KF - 05 |
| NEL/CPS Construction Career Academy | 4 Sharpe | Drive | Cranston | R | 02920 9-12 |
| Community Prepartory School | 126 Somerset | Street | Providence | Z. | 02907 KF - 02 |
| SouthSide Elementary Charter School | 126 Somerset | Street | Providence | Z. | 02907 KF - 02 |
| Cranston Early Learning Center | 45 Sprague | Ave | Cranston | R | 02920 NA |
| Winsor Hill School | 100 Theresa | Street | Johnston | Ζ | 02919 1-5 |
| Calef School (High School Annex) | 7 Waveland | Street | Johnston | Z | 02919 NA |

| Name | StreetNum StreetName | Stsuffix | City | State | State Zip grade_span |
|---|----------------------|----------|------------|-------------------------|----------------------|
| Asa Messer Elementary School | 1655 Westminster | Street | Providence | Ξ | 02909 PK - 04 |
| Dr. Jorge Alvarez High School | 375 Adelaide | Avenue | Providence | R | 02907 9-12 |
| Chester W. Barrows School | 9 Beachmont | Avenue | Cranston | ~ | 02905 KF - 05 |
| Esek Hopkins Middle School | 480 Charles | Street | Providence | Ξ | 02904 6-8 |
| Rhode Island School for the Deaf | 0 Corliss | Park | Providence | R | 02908 PK - 12 |
| Alfred Lima, Sr. Elementary School | 222 Daboll | Street | Providence | 쮼 | 02907 2-5 |
| Charles N. Fortes Elementary School | 234 Daboll | Street | Providence | S | 02907 PK - 01 |
| Times2 Academy | 50 Fillmore | Street | Providence | R | 02908 KF - 12 |
| Times2 Academy | 50 Fillmore | Street | Providence | Ξ | 02908 KF - 12 |
| Central High School | 70 Fricker | Street | Providence | $\overline{\mathbb{Z}}$ | 02903 9-12 |
| Hugh B. Bain Middle School | 135 Gansett | Avenue | Cranston | Ξ | 02910 6-8 |
| William R. Dutemple School | 32 Garden | Street | Cranston | Ξ | 02910 KF - 05 |
| Gladstone Street School | 50 Gladstone | Street | Cranston | $\overline{\mathbb{R}}$ | 02920 KF - 05 |
| Robert L Bailey IV, Elementary School | 65 Gordon | Avenue | Providence | Ξ | 02905 PK - 05 |
| Leviton Dual Language School | 65 Greenwich | Street | Providence | Z | 02907 KF - 05 |
| Ocean Tides School | 260 Highland | Avenue | Providence | Ξ | 02906 8-12 |
| Hope Highlands Middle School | 300 Hope | Road | Cranston | Ξ | 02921 6-8 |
| Early Childhood Center | 10 Memorial | Avenue | Johnston | $\overline{\mathbb{Z}}$ | 02919 KG - KF |
| Nicholas A. Ferri Middle School | 10 Memorial | Avenue | Johnston | $\overline{\mathbb{Z}}$ | 02919 NA |
| NFI/ACE Program | 735 New London | Avenue | Cranston | Ξ | 02920 7-12 |
| Briggs | 845 Park | Ave | Cranston | ≅ | 02920 NA |
| Cranston High School East | 899 Park | Avenue | Cranston | Ξ | 02910 9-12 |
| Daniel D. Waterman School | 722 Pontiac | Avenue | Cranston | $\overline{\mathbb{Z}}$ | 02910 KF - 05 |
| The Met - Equality School | 325 Public | Street | Providence | ≅ | 02905 9-12 |
| The Met - Justice School | 325 Public | Street | Providence | $\overline{\mathbb{Z}}$ | 02905 9-12 |
| The Met - Peace Street Campus | 325 Public | Street | Providence | Ξ | 02905 9-12 |
| The Met - Unity School | 325 Public | Street | Providence | Ξ | 02905 9-12 |
| Reservoir Avenue School | 156 Reservoir | Avenue | Providence | ≅ | 02907 KF - 05 |
| Orchard Farms Elementary School | 1555 Scituate | Avenue | Cranston | ≅ | 02921 PK - 06 |
| Nathan Bishop Middle School | 101 Sessions | Street | Providence | $\overline{\mathbb{Z}}$ | 02906 6-8 |
| Anthony Carnevale Elementary School | 50 Springfield | Street | Providence | Ξ | 02909 PK - 05 |
| Governor Christopher DelSesto Middle School | 152 Springfield | Street | Providence | ≅ | 02909 6-8 |
| Roger Williams Middle School | 278 Thurbers | Avenue | Providence | 쮼 | 02905 6-8 |

| Name | StreetNum StreetName | Stsuffix | City | State Zip | o grade_span |
|---|----------------------|----------|---------------------|-----------|---------------|
| William B. Cooley, Sr. High School and the Providence Academy of International Studies High School | 182 Thurbers | Avenue | Providence | RI 02 | 02905 9-12 |
| RI Nurses Institute Middle College Charter High School | 150 Washington | Street | Providence | RI 02 | 02903 9-12 |
| Trinity Academy for the Performing Arts | 150 Washington | Street | Providence | RI 02 | 02903 7-12 |
| Vartan Gregorian Elementary School | 455 Wickenden | Street | Providence | RI 02 | 02903 KF - 05 |
| Thornton School | 4 School | Street | Johnston | RI 02 | 02919 1-5 |
| James L. McGuire School | 55 Central | Avenue | North Providence RI | - | 02911 KG - 05 |
| The Wheeler School | 216 Hope | Street | Providence | RI 02 | 02906 PK - 12 |
| Vincent J. Gallagher Middle School | 10 Indian Run | Trail | Smithfield | RI 02 | 02917 6-8 |
| Raymond C. LaPerche School | 11 Limerock | Road | Smithfield | RI 02 | 02917 KF - 05 |
| Old County Road School | 200 Old County | Road | Smithfield | RI 02 | 02917 KF - 05 |
| Horton Program | 1196 Park | Ave | Cranston | RI 02 | 02920 NA |
| Edgewood Highland School | 160 Pawtuxet | Avenue | Cranston | RI 02 | 32905 PK - 05 |
| Anna M. McCabe School | 100 Pleasant View | Avenue | Smithfield | RI 02 | 02917 PK - 05 |
| Smithfield Senior High School | 90 Pleasant View | Avenue | Smithfield | RI 02 | 02917 9-12 |
| Edward S. Rhodes School | 160 Shaw | Avenue | Cranston | RI 02 | 02905 KF - 06 |



Rhode Island

Department of City Clerk

MEMORANDUM

DATE:

September 16, 2019

TO:

Purchasing Director

SUBJECT:

APPROVAL TO PAY, THE WATER RESEARCH FOUNDATION

(WRF), FOR PROVIDENCE WATER'S ANNUAL UTILITY

MEMBERSHIP - WATER SUPPLY BOARD

CONSIDERED BY:

Board of Contract and Supply

DISPOSITION:

VOTED:

that the Purchasing Director hereby authorizes approval to Pay, The Water Research Foundation (WRF), for Providence Water's annual utility membership, the foundation is responsible for conducting research related to water quality, treatment and utility infrastructure, which assists water providers and public health agencies to provide safe and affordable drinking water, for a total amount not to exceed Thirty Six Thousand Nine Hundred Sixty Five Dollars (\$36,965.00), all in accordance with the

request of Ricky Caruolo, General Manager, in

communication dated August 29, 2019.

cc: Pur.Dir. Contr. WSB File

Slaum Selleck
City Clerk



August 29, 2019

The Honorable Mayor Jorge O. Elorza Chairman, Board of Contract and Supply Providence City Hall 25 Dorrance Street Providence, Rhode Island 02903

The Hon. Jorge O. Elorza

Ricky Caruolo General Manager RE: Water Research Foundation Annual Membership Fee

BOARD OF DIRECTORS

Xaykham Khamsyvoravong Chairperson

> Joseph D. Cataldi Vice Chairperson

> > Jo-Ann Ryan Councilperson

Lawrence J. Mancini Ex-Officio

Cristen L. Raucci, Esq. Member

> Kerri Lynn Thurber Member

Carissa R. Richard Secretary

William E. O'Gara, Esq. Legal Advisor Dear Mayor Elorza:

We are requesting the Mayor to approve and the Board of Contract and Supply to authorize payment to The Water Research Foundation (WRF) for Providence Water's (PW) annual utility membership in an amount not to exceed \$36,965.00.

PW has been a utility member of the WRF for the past 6 years. The foundation is responsible for conducting research related to water quality, treatment, and utility infrastructure. This research assists water providers and public health agencies to provide safe and affordable drinking water.

The foundation is comprised of 950 utilities, manufacturers, and consultants that benefit from the research. The WRF sponsors between 25 and 40 projects a year. The funding ranges from \$25,000 - \$300,000 per project. Since 1966, the foundation has funded over \$500 million research dollars. Membership in the WRF provides PW with needed research efforts at a nominal expense compared the cost if each utility had to fund and conduct research separately. This request will provide a utility membership. The cost is based on water consumption sales.

MEMBER

Rhode Island Water Works Assn. New England Water Works Assn. American Water Works Assn. Water Research Foundation

An EPA WaterSense Partner

(401) 521-6300

125 Dupont Drive Providence, RI 02907

www.provwater.com

Follow us @provwater

facebook.com/Providencewater

Funds are available in the Operations Fund Account: 601-410-52185

Minority Participation: MBE 0% WBE 0%

Respectfully Submitted, PROVIDENCE WATER

Ricky Caruolo General Manager

Elizabeth Paquin - 2020 Budget Increase -WRF RENEWAL

From:

Elizabeth Paquin

To:

Mary Deignan-White; Nancy Parrillo; Alicia Mignanelli

Date:

9/26/2019 12:59 PM

Subject: 2020 Budget Increase -WRF RENEWAL

Cc:

Tony Araujo; Alyssa Wermuth

Please make the needed adjustment for fy2021.

The renewal for WRF for budget 2021 will increase from \$36,965 to \$41,093 for next year.

Account Code: 601-410-52185



Beth Paguin

Manager Of Purchasing (401) 521-6300 Ext. 7227 (401) 632-4082 [Fax]

Providence Water 125 Dupont Drive Providence, RI 02907



>>> Yvette Jaquez 9/26/2019 8:21 AM >>> Good Morning Beth,

Please read below.

Yvette

>>> Jennifer Warner < jwarner@waterrf.org> 9/25/2019 11:41 PM >>> Hi Yvette

Thank you for your patience!

If you are asking us to confirm your 2020 renewal amount is \$41,093, yes we can confirm that. We will anticipate your budgeted 2019 subscription renewal of \$36,965 and \$41,093 for next year.

In the coming months, we'll also be sending out information about a new subscription rate model to be launched in 2021. Our goal is to have that information out well in advance of 2021 budgeting cycles.

We can talk about this as well early next week when I return to my office.

Sincerely,

Jenn

Get Outlook for iOS

From: Yvette Jaquez <yvettej@provwater.com> Sent: Tuesday, September 24, 2019 3:11 PM

To: Brenley McKenna **Cc:** Jennifer Warner

Subject: RENEWAL: Providence Water

Good Afternoon,

We are in the process of renewing our Drinking Water Subscription, however the Board of Contracts has approved the amount of \$36,965 (Inv#0002643-2019-1) Upon filling out the 2019 Utility Sub. Program the commitment was re-calculated at \$41,093.

Before approving the \$36,965 payment, I just wanted to confirm if the new commitment total can be established upon next years renewal.

If not, we would have to re-submit all required paperwork to the City and the Board of Contracts for the new amount, a process that can take a few additional months to process.

Please advise and thank you in advance, Yvette



Yvette C. Jaquez

Training/Communications Coordinator Yvettej@provwater.com

(401) 521-6300 Ext. 7172 (401) 632-4072 [Fax]

Providence Water Supply Board 125 Dupont Drive Providence, RI 02907



Procurement #26729

City of Providence



Rhode Island

Department of City Clerk

MEMORANDUM

DATE:

October 28, 2019

TO:

Purchasing Director

SUBJECT:

APPROVAL OF PAYMENT, TO ASSOCIATION OF

METROPOLITAN WATER AGENCIES (AMWA), FOR ANNUAL

MEMBERSHIP DUES FROM JANUARY 1ST THROUGH

DECEMBER 31, 2020 - WATER SUPPLY BOARD

CONSIDERED BY:

Board of Contract and Supply

DISPOSITION:

VOTED:

that the Purchasing Director hereby authorizes approval of Payment, to Association of Metropolitan Water Agencies (AMWA), for annual membership dues from January 1st through December 31, 2020 and dues are based on population served, for a total amount not to exceed Eleven Thousand One Hundred Eight Dollars (\$11,118.00), all in accordance with the request of Ricky Caruolo, General

Manager, in communication dated October 16, 2019.

cc: Pur.Dir.
Contr.
WSB
File

Slaum Selleck

City Clerk



October 16, 2019

The Honorable Mayor Jorge O. Elorza Chairman, Board of Contract and Supply City Hall 25 Dorrance Street Providence, RI 02903

The Hon. Jorge O. Elorza Mayor

> Ricky Caruolo General Manager

Re: Association of Metropolitan Water Agencies Annual Membership Fee

Dear Mayor Elorza:

BOARD OF DIRECTORS

Xaykham Khamsyvoravong Chairperson

> Joseph D. Cataldi Vice Chairperson

> > Jo-Ann Ryan Councilperson

Lawrence J. Mancini Ex-Officio

Cristen L. Raucci, Esq. Member

> Kerri Lynn Thurber Member

Carissa R. Richard Secretary

William E. O'Gara, Esq. Legal Advisor We are requesting the Mayor to approve and the Board of Contract and Supply to authorize payment to the Association of Metropolitan Water Agencies (AMWA) for Providence Water's (PW) annual membership in an amount not to exceed \$11,118.00.

The cost of membership allows PW to continue to participate with other major metropolitan public water suppliers throughout the nation in dealing with critical issues that directly affects trends in the water industry. The AMWA is an organization of the largest publicly owned water utilities in the United States. AMWA is the voice of metropolitan water systems on federal water policy issues, and its programs foster sustainable, innovative utility management. PW receives analytical, technical, and legal support in our dealings with the EPA, health agencies, and both administrative and legislative branches of the government. Additionally, PW receives monthly bulletins on the progress of pending and approved legislation. This data assists water providers and public health agencies to provide safe and affordable drinking water.

This request is for annul membership dues from January 1st thru December 31st, 2020. Dues are based on population served.

Funds are available in Account Code 601-410-52185.

Minority Participation: MBE 0% WBE 0%

MEMBER

Rhode Island Water Works Assn. New England Water Works Assn. American Water Works Assn. Water Research Foundation

An EPA WaterSense Partner

(401) 521-6300

125 Dupont Drive Providence, RI 02907

www.provwater.com

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Like us at:

Respectfully Submitted, PROVIDENCE WATER

Ricky Caruolo General Manager



1620 I Street, NW, Suite 500 Washington, DC 20006 P.202.331.2820 F 202.785.1845 amwa.net

** INVOICE #2020 **

DATE:

October 7, 2019

TO:

Ricky Caruolo General Manager

Providence Water Supply Board

125 Dupont Drive

Providence, RI 02907-3105

Membership Dues (January 1 - December 31, 2020) \$11,118.00

AMWA's Tax ID # 52-1263300

Please remit to: AMWA 1620 I Street, NW Suite 500 Washington, DC 20006 Attention: Eugenia C. Cadena

For Electronic Payment: BB&T Bank Routing # 054001547 Account # 0005163211744

Email confirmation to: cadena@amwa.net

Alicia Mignanelli - Fwd: AMWA Dues

From:

Alicia Mignanelli

To: Date: Alicia Mignanelli 2/3/2020 12:25 PM

Subject: Fwd: AMWA Dues



Beth Paquin

Manager Of Purchasing (401) 521-6300 Ext. 7227 (401) 632-4082 [Fax]

Providence Water 125 Dupont Drive Providence, RI 02907



>>> Carolyn Peterson <peterson@amwa.net> 2/3/2020 12:02 PM >>> Hi Beth,

AMWA will be asking its Board to approve a 5 percent dues increase for 2021, so you can use this figure for your planning. It will be no more than that.

I hope this is helpful.

Carolyn

Carolyn Peterson Chief Communications and Management Programs Officer Association of Metropolitan Water Agencies 1620 I Street, NW, Suite 500 Washington, DC 20006 peterson@amwa.net (202) 331-2820



Important RI Vehicle Emissions & Safety Testing New Program Updates

Signing Up - Only on Program Web Site

Registering for the program is easy and you can start today! The new program web site – www.riinspection.org – is live. You must type the full address, or copy and paste it, to access the site. Registering for the program and signing the new Station Program Agreement can only be completed on the web site.

Important facts about the new program:

- Stations currently enrolled in the RI Safety and Emissions Vehicle Inspection Program are grandfathered Into the new program. BUT NO STATION WILL HAVE NEW EQUIPMENT DELIVERED OR INSTALLED UNLESS THE NEW STATION PROGRAM AGREEMENT IS COMPLETED.
- Signing the new program contract <u>can only be done on the program web site</u>. There will be no paper contracts or postal mail sent or received.
- Stations are not required to buy the new equipment. The new analyzer system will be rented to each station for a monthly fee that includes service.
- Fees:
 - o The monthly fee will stay at the current rate of \$195 for entire eight (8) year term of the contract
 - o The cost of Test Authorizations remains the same at \$36
 - o The monthly fee is paid electronically by Automated Clearing House (ACH).
 - o Test Authorizations can be purchased on the Program web site or the new analyzer.

Station Responsibility

Station Responsibility -

- Provide High Speed Internet Access Stations current high speed internet access is sufficient.
- Providing electricity for analyzer operation Dedicated 110 VAC
- The installation will take approximately 2 hours and stations must grant Opus Field Service Techs access to the equipment when they arrive for installation.

Equipment Delivery Schedule

The new Analyzer deliveries are scheduled to begin in July 2018. You must keep the equipment in a <u>safe and secure location</u> until our technicians arrive to install and activate it. DO NOT UNWRAP OR UNBOX THE NEW UNIT. We will notify you by email prior to both equipment delivery and our installation visit.

Failure to allow Opus personnel access to install and activate your equipment when they arrive will significantly postpone your systems activation and may result in a second visit. The second installation visit may be charged at \$125 per hour.

Questions? Call the Opus Office (401) 737 - 0556

280-RICR-30-15-2

TITLE 280 - DEPARTMENT OF REVENUE

CHAPTER 30 - DIVISION OF MOTOR VEHICLES

SUBCHAPTER 15 - SAFETY AND EMISSIONS

PART 2 - Heavy-Duty Diesel Vehicle Emission Inspections

2.1 Authority

This Part is promulgated pursuant to the authority granted in R.I. Gen. Laws § 31-47,2-2.

2.2 Purpose

The purpose of this regulation is to establish the Rhode Island Heavy-Duty Diesel Vehicle Emission Inspections Program.

2.3 Incorporated Materials

These regulations hereby adopt and incorporate 49 C.F.R. § 390.15 (2018) by reference, not including any further editions or amendments thereof and only to the extent that the provisions therein are not inconsistent with these regulations.

2.4 Definitions

- A. For the purposes of the Part, the following terms shall have the following meaning:
 - "Authorized fleet inspection stations" or "AFIS" means a fleet of 10 or more vehicles that is certified by the DMV to conduct emissions and safety inspections.
 - 2. "Calibration" means the act of checking the accuracy of an opacity analyzer against specifications for opacity analyzers in order to assure valid test results.
 - 3. "Day" means a calendar day, unless otherwise designated.
 - "Diesel certified inspection technician" or "DCIT" means a technician certified by the DMV to conduct official inspections at a Heavy-duty

- Authorized Inspection and Repair Station (HD-AIRS) or at an Authorized Fleet Inspection Station (AFIS).
- 5. "Division of Motor Vehicles" or "DMV" means the Division of Motor Vehicles of the Rhode Island Department of Administration.
- 6. "Driver" means any person who operates any motor vehicle.
- 7. "Fleet" means a fleet of ten (10) or more heavy-duty diesel vehicles having weight of greater than eight thousand five hundred (8,500) lbs. GVWR registered or required to be registered, when operated from a facility within the State of Rhode Island.
- 8. "Gross vehicle weight rating" or "GVWR" is the weight value specified by the vehicle manufacturer on the federal weight certification label as the loaded weight of a vehicle.
- "Heavy-duty authorized inspection and repair station" or "HD-AIRS" mean an inspection location authorized by the DMV to provide motor vehicle safety and emission inspection for heavy-duty vehicles.
- 10. "Heavy-duty diesel vehicle" means a vehicle which is self-propelled by a compression ignition type of internal combustion engine and which is designed primarily for transporting persons or property on a public street or highway and has a GVWR greater than eight thousand five hundred (8,500) lbs.
- 11. "Model year" means the year designated by the manufacturer as the vehicle model year.
- "Motor carrier" means a for hire motor carrier or a private motor carrier. The term includes a motor carrier's agents, officers and representatives as well as employees responsible for hiring, supervising, training, assigning, or dispatching of drivers and employees concerned with the installation, inspection, and maintenance of motor vehicle equipment and/or accessories. This definition also includes the terms employer and exempt motor carrier as defined in 49 C.F.R. § 390.15, incorporated in § 2.3 of this Part.
- 13. "Non-road vehicle" means a vehicle designed for use off public highways.
- 14. "Motor vehicle" means every motor vehicle that is self-propelled, except vehicles moved exclusively by human power and motorized wheelchairs.

- 15. "Opacity" means the percentage of light transmitted from a source, which is prevented from reaching a light detector.
- 16. "Person" means any individual, partnership, corporation, whether private, public or municipality, state governmental department, quasi-state agency, or other legal entity.
- 17. "State Police" means the Rhode Island State Police.
- 18. "Tampering" means the removal, disconnection, or rendering inoperative a safety or emission control device.
- 19. "Test" and "Testing" mean the application of techniques, methods, policies and procedures established or approved by the DMV for the purposes of measuring emission levels in heavy-duty diesel vehicles

2.5 Applicability

These regulations apply to all heavy-duty diesel vehicles.

2.5.1 Emission Standards

A. The inspection test type and emission standard for heavy-duty diesel trucks and buses, with a GVWR greater than eight thousand five hundred (8500) lbs., are established by the DMV as follows:

Heavy-duty Diesel Truck Emissions Test Type

| Vehicle Class | Test Type |
|--|------------------------------|
| Vehicles eight thousand five hundred (8,5000) to ten thousand (10,000) lbs. GVWR | (RESERVED) |
| Vehicles over ten thousand (10,000) lbs. | SAE J1667 smoke opacity test |

2. Heavy-duty Diesel Truck Emission Standard

| Vehicle Class | Standard | |
|---|---|--|
| Model years 1991 and newer and over ten thousand (10,000) lbs. GVWR | The level of peak smoke opacity shall not exceed forty (40) percent | |
| Model years 1990 and older and over ten | The level of peak smoke opacity shall not | |

| thousand (10,000) lbs. | exceed fifty-five (55) percent |
|---|--------------------------------|
| Vehicles eight thousand five hundred (8,5000) to ten thousand (10,000) lbs. | (RESERVED) |

3. Heavy-duty Diesel Bus Opacity Emissions Test Type

| Vehicle Class | Test Type |
|--|------------------------------|
| Vehicles eight thousand five hundred (8,5000) to ten thousand (10,000) lbs. GVWR | (RESERVED) |
| Vehicles over ten thousand (10,000) lbs. | SAE J1667 smoke opacity test |

4. Heavy-duty Diesel Bus Emissions Standard

| Vehicle Class | Standard |
|---|--|
| Model years 1998 and newer and over ten thousand (10,000) lbs. GVWR | The level of peak smoke opacity shall not exceed thirty (30) percent |
| Model years 1987 and older and over ten thousand (10,000) lbs. | The level of peak smoke opacity shall not exceed forty (40) percent |
| Vehicles eight thousand five hundred (8,5000) to ten thousand (10,000) lbs. | (RESERVED) |

2.5.2 Test Specifications

In the J1667 Test, inspectors shall follow the specific procedures and adhere to the standards outlined in the heavy-duty diesel vehicle specifications.

2.6 Exemptions

- A. The following vehicles shall be exempt from the emissions inspection portion of these regulations:
 - A new motor vehicle until twelve (12) months after its date of initial purchase;

- Tactical military vehicles;
- 3. Non-road vehicles;
- 4. Electric powered vehicles; and,
- Farm tractors

2.7 On-Road Inspections

- A. Performance of the Emissions Inspection
 - 1. Pursuant to R.I. Gen. Laws § 31-47.2-3, heavy-duty diesel vehicles that operate on the highways of the state shall be subject to On-Road emissions inspections in order to determine whether such vehicles are in compliance with the emissions standards for heavy-duty diesel vehicles found in § 2.5.2 of this Part.

B. Test Procedure

1. The on-road inspection shall be performed following the SAE J1667 Snap-Acceleration Smoke Test Procedure for Heavy-Duty Diesel Powered Vehicles.

C. Emissions Inspection Failure

- 1. The registered owner, vehicle lessees or motor carriers of vehicles that are found not to be in compliance with the standards of § 2.5.1 of this Part shall fail the emissions inspection and shall be issued a summons, an inspection report and a test results form informing them of the results of the inspection, the amount of the applicable penalty, and of the requirement to bring the vehicle into compliance within forty-five (45) calendar days of the issuance of the summons, or not be operated on the highways of Rhode Island.
- D. Emissions Inspection Information for Vehicles that Fail Inspection
 - 1. The information in the summons, inspection report and test results form will include, but not be limited to, the following:
 - a. Inspection location and date;
 - b. Vehicle year and make;
 - Vehicle registration number and registration state;

- d. Vehicle Identification Number (VIN);
- e. Gross Vehicle Weight Rating (GVWR);
- f. Vehicle type;
- g. Engine temperature (cold, normal, or above normal);
- h. Exhaust stack diameter;
- i. Vehicle mileage;
- Name and address of owner;
- k. Test time;
- Calibration date of analyzer;
- m. Driver's name, license number, and license state:
- n. Federal Department of Transportation (DOT) number;
- o. Opacity results;
- p. Pass/fail designation;
- q. Signature of driver indicating receipt of inspection report; and
- r. Signature of inspector;
- s. Other information as the RI State Police may reasonably require or enable it to determine compliance with these regulations.

E. Passing Vehicle

1. The registered owner, vehicle lessees or motor carriers of vehicles that are found to be in compliance with the standards of § 2.5.1 of this Part (Emissions Standards) shall pass the emissions inspection and will only receive a test results form.

F. Repair Certification

1. The registered owner, vehicle lessees or motor carriers of a vehicle failing an On-Road Inspection for the emissions inspection standards of this regulation shall submit documentation to the Department of Administration, Division of State Police that repairs to vehicle which are appropriate to the reason for failure have been made. This documentation

shall be submitted within forty-five (45) days of the issuance of a citation for emissions inspection failure and shall include the following information:

- a. Name of the repair facility;
- b. Vehicle identification number; and
- c. A statement describing the repairs that were made including original itemized bills for parts and or parts and labor.

2.8 Periodic Inspection Procedures

- A. The registered owner, vehicle lessees or motor carrier of a heavy-duty diesel vehicle shall obtain a vehicle emissions inspection. The emissions inspection can occur at a Heavy-duty Authorized Inspection Repair Station (HD-AIRS) or at an Authorized Fleet Inspection Station (AFIS).
- B. Emissions Inspection Frequency
 - 1. Registered owner, vehicle lessees or motor carrier of heavy-duty diesel vehicles subject to the periodic portion of the Rhode Island Heavy-duty Diesel Vehicle Inspection Program shall have their vehicle inspected at least annually. The inspection shall be conducted prior to the end of the month indicated on the vehicle's current inspection sticker.

C. Registration

1. No heavy-duty diesel vehicle except those exempted in § 2.6 of this Part, may be registered or any registration renewed unless a required annual official inspection has been conducted and the vehicle has been found to comply with the requirements of this regulation.

D. Inspection Fee

1. Registered owner, vehicle lessees or motor carrier shall be charged an inspection fee of fifty-five dollars (\$55) for the inspection of a heavy-duty diesel vehicle at HD-AIRS locations. Owners of fleet locations must pay thirty dollars (\$30) for each inspection they conduct. The inspection fee must be paid for each heavy-duty diesel vehicle inspected and is payable whether a compliance certificate, or no certificate is issued.

E. Inspection Stations

 Heavy-duty Authorized Inspection and Repair Stations and Authorized Fleet Inspection Stations shall be established and be authorized to

- conduct emissions inspections using the SAE J1667 Snap-Acceleration Smoke Test Procedure for Heavy-Duty Diesel Powered Vehicles.
- 2. The Heavy-duty Authorized Inspection and Repair Stations and Authorized Fleet Inspection Stations shall calibrate the inspection testing of equipment using calibration frequency and procedure of the SAE J1667 Snap-Acceleration Smoke Test Procedure for Heavy-Duty Diesel Powered Vehicles.

F. Reinspection

1. Any motor vehicle inspected and found not to comply with the standards for motor vehicle safety and emissions inspections must be reinspected within forty-five (45) days of the initial emissions inspection. If a vehicle is reinspected at the HD-AIRS that conducted the initial emissions inspection, the management of the HD-AIRS shall not charge an additional inspection fee.

G. Inspection Prohibited

1. The HD-AIRS shall refuse to perform the inspection of any heavy-duty vehicle subject to the Rhode Island Heavy-duty Diesel Vehicle Inspection Program if the vehicle is determined by the HD-AIRS to be in such an unsafe condition as to be a hazard to inspection personnel and/or the vehicle operator. The vehicle shall not be inspected until the reason for the refusal has been remedied.

H. Safety Inspection Standards

1. The HD-AIRS shall adhere to the Safety Inspection Procedures as specified in the "Official Manual for Vehicle Inspection."

I. Vehicle Inspection Documentation

- 1. The HD-AIRS shall provide an inspection report to the owner/lessee of each heavy-duty diesel vehicle inspected upon completion of a safety and emissions inspection. The safety and emissions inspection report form will be provided by the DMV and shall include:
 - a. Inspection station and inspector numbers;
 - b. The type of test(s) performed;
 - The date of the inspection;
 - d. The inspection report serial number;

- e. Vehicle model year, make, and type;
- f. Vehicle registration plate number;
- g. Federal Department of Transportation (DOT) number;
- h. Horse power of vehicle or exhaust pipe size;
- Gross vehicle weight rating;
- The vehicle identification number;
- The odometer reading to the nearest 1,000 miles;
- I. Type of inspection (initial inspection or reinspection);
- m. The pass/fail result of opacity test;
- Test results in percentage of opacity;
- o. Test time;
- p. Calibration date of analyzer;
- q. List of any repairs which were performed;
- r. List of the cost of parts and labor for repair; and,
- s. Other information as the DMV may reasonably require or enable it to determine compliance with these regulations.

J. Pass/Fail Designation

1. Owners/lessees of a diesel powered motor vehicle meeting the inspection standards shall, upon completion of the inspection, receive an inspection sticker and inspection report indicating a pass designation. Those that fail inspection shall be issued an inspection report indicating the vehicle has failed the inspection standards and that the vehicle must be brought into compliance within forty-five (45) calendar days or not be operated on the highways of Rhode Island

2.9 Authorized Inspection Stations and Inspectors

A. Technicians and business owners/managers seeking authorization as an inspector or inspection station or must obtain authorization from the DMV before they can conduct official inspections.

- B. Heavy-duty Authorized Inspection and Repair Station (HD-AIRS)
 - 1. Owners of diesel repair facilities may be authorized by the DMV to conduct official inspections.
 - a. Requirements
 - A repair facility which is authorized as a Heavy-duty
 Authorized Inspection and Repair Station (HD-AIRS) shall
 use a smoke opacity analyzer approved by the DMV to
 perform the SAEJ1667 test method, and shall provide
 necessary space, testing equipment, tools, liability
 insurance, signage, repair reports and copies of the "Official
 Manual for Vehicle Inspection," rules and regulations and
 other informational materials as may be designated and
 required by the DMV. At least one Diesel Certified Inspection
 Technician (DCIT) shall be available to perform emissions
 inspections during the HD-AIRS normal business hours. An
 authorized inspection station cannot be located outside of
 Rhode Island.

b. Application

- (1) Application for authorization shall be made on an official application form designated by the DMV. Authorization shall be granted when the applicant demonstrates the ability to meet the requirements of this regulation and the "Official Manual for Vehicle Inspection." No authorization may be assigned, transferred or used at any location other than the location designated on the original application. The authorization may be withdrawn by the DMV for good cause at any time.
- C. Authorized Fleet Inspection Stations (AFIS)
 - The owner of a fleet of 10 or more diesel powered motor vehicles that are centrally maintained may apply for authorization as an AFIS and must be certified by the DMV prior to conducting official inspections.
 - a. Requirements
 - (1) A repair facility which is authorized as an Authorized Fleet Inspection Station shall use a smoke opacity analyzer approved by the DMV to perform the SAE J1667 test method, and provide the necessary space, tools, liability

insurance, and copies of the "Official Manual for Vehicle Inspection" and regulations as may be designated and required by the DMV. At least one Certified Inspection Technician (DCIT) shall be available to perform emissions inspections. An authorized fleet station inspection station cannot be located outside of Rhode Island.

b. Application

(1) Application for authorization shall be made on an official application form designated by the DMV. Authorization shall be granted when the applicant demonstrates the ability to meet the requirements of the "Official Manual for Vehicle Inspection" and this regulation. No authorization may be assigned, transferred or used at any location other than the location designated on the original application. The authorization may be withdrawn by the DMV for good cause at any time.

D. Reporting

- Owners of HD-AIRS and AFIS shall provide a monthly "Inspection Activity Report" to the DMV on the first Wednesday of each month. The report must be on a form designed by the DMV and shall include but not be limited to the following:
 - a. The number of initial inspection, or reinspection performed;
 - The number of vehicles that passed the inspection;
 - The number of vehicles that failed the inspection;
 - d. A copy of the inspection report for each vehicle inspected and,
 - e. Other information as the DMV may reasonably require to enable it to determine compliance with these regulations.

E. Diesel Certified Inspection Technicians (DCIT)

- Individuals must be certified by the DMV to conduct official inspections.
 - a. Requirements
 - (1) A person seeking certification as a Diesel Certified Inspection Technician (DCIT) must be sixteen (16) years of age or older, and must hold a valid driver's license to operate

all vehicles subject to this regulation. In addition, the DCIT applicant must have successfully completed the requirements of a training course approved by the DMV or designee. The Diesel Certified Inspection Technician must demonstrate to the DMV a knowledge of and proficiency in performing the required test procedures.

b. Application

(1) The application for Diesel Certified Inspection Technician must be on an official form designated by the DMV. The application is for an individual not a corporate or company application. The designation as a Diesel Certified Inspection Technician may be withdrawn by the DMV for good cause at any time.

2.10 Penalties, Fines and Prohibitions

A. On-road Inspection

1. Persons, who operate or permit the operation of any heavy-duty diesel vehicle that fails the On-Road inspection, shall be subject to the fines described in § 2.10(B) of this Part.

B. Fines

- 1. The fines shall apply to each specific vehicle separately.
- 2. The penalty for operating or permitting the operation of any heavy-duty diesel powered motor vehicle that fails the periodic inspection, for the failure to obtain an emissions inspection as required, for vehicle tampering, or for giving false information the State Police, DMV, the Administrator or his designee, or a HD-AIRS concerning compliance with the provisions of these regulations will be collected pursuant to R.I. Gen. Laws § 31-47.2-6.

C. Fine Reductions

1. Pursuant to R.I. Gen. Laws § 31-47.2-6, the fines in § 2.10(B) of this Part may be reduced upon submission of documentation, as required in § 2.4.7 of this Part, within forty-five (45) days demonstrating that repairs or adjustments have been made to the vehicle.

D. Suspension

1. Any person who fails to have the vehicle repaired within the forty-five (45) day period required by § 2.7(C) of this Part, and to provide documentation of such emissions repair within said period, shall result in the suspension of the registration of the vehicle in question until that vehicle is brought into compliance.

E. Record of Offenses

1. A record of each offence shall be recorded and maintained on file. The record of previous offenses shall be expunged from the files every eighteen (18) months.

F. Periodic Inspection

1. Persons who operate or permit the operation of any heavy-duty diesel vehicle that fails the periodic inspection, or have failed to obtain an emissions inspection as required under § 2.8 of this Part. Periodic Inspection upon implementation of the periodic inspection program shall be subject to the fines described in § 2.10(B) of this Part.

G. Tampering

1. No person may materially alter or change any equipment or mechanism of a heavy-duty diesel vehicle that has received a compliance certificate in such a manner that the vehicle no longer complies with the standards for heavy-duty vehicle emissions inspections. This section shall not be construed as preventing the temporary alteration of equipment for the purpose a vehicle repair.

H. False Information

 No person shall give false information to the State Police, DMV, the Administrator or his designee, or a HD-AIRS concerning compliance with the provisions of these regulations.

I. Suspension

1. Persons who operate or permit the operation of any heavy-duty diesel vehicle that fails the periodic inspection, or have failed to obtain an emissions inspection as required shall be issued a demand notice requiring compliance with emissions inspection requirements within five (5) days. Persons who fail to comply with a demand notice shall be subject to suspension of their vehicle's registration.

2.11 Proceedings for Enforcement

- A. Jurisdiction Administrative Penalties
 - 1. Registered vehicle owners, vehicle lessees, or motor carriers found in violation of the emission standards in § 2.5.1 of this Part and who have been issued a vehicle summons by the Rhode Island State Police shall be subject to the Rules of Procedure of the Rhode Island Traffic Tribunal and R.I. Gen. Laws § 31-41.1-4. The Rhode Island Traffic Tribunal shall administer the collection of fines related to this regulation.

280-RICR-30-15-2 TITLE 280 - DEPARTMENT OF REVENUE CHAPTER 30 - DIVISION OF MOTOR VEHICLES SUBCHAPTER 15 - SAFETY AND EMISSIONS PART 2 - HEAVY-DUTY DIESEL VEHICLE EMISSION INSPECTIONS

Type of Filing: Amendment

Agency Signature

E-SIGNED by Mark Furcolo

December 11, 2018

Agency Head Signature

Agency Signing Date

Department of State

12/31/2018

Regulation Effective Date

K.C.

December 11, 2018

Department of State Initials

Department of State Date

Providence Water Docket 4994

Bristol County Water Authority
Data Request – Set 1
January 28, 2020

BCWA 1-6: Please provide all calculations, work papers, supporting data, and assumptions used to calculate the line item components of the Regulatory Commission expenses for FY21, 22 and 23 set forth on Schedule HJS-7.

RESPONSE: Providence Water calculated the 3-year average for the PUC Assessment for FY 2017 – 2019 and then applied it across FY 2021 – FY 2023.

Financial Consultant for FY 2022 and FY2023 are for compliance filings for this Docket. See BCWA 1-7 Raftelis Bid.

Legal and other a 5% increase was applied across FY 2021 – FY 2023.

Mary L. Deignan-White 2/14/2020

Providence Water Docket 4994

Bristol County Water Authority
Data Request – Set 1
January 28, 2020

BCWA 1-7: Please provide all calculations, work papers, supporting data, and assumptions used to calculate the line item components of the Rate Case expenses for FY21, 22 and 23 set forth on Schedule HJS-7.

RESPONSE: Providence Water estimated that this rate case would cost approximately \$311,986 and would be amortized over three years. The following is how the \$311,986 was estimated.

Rate Filing Consultant – see the attached bid from Raftelis Financial Consultants.

Legal- estimated number of hours(325) multiplied by an hourly rate of \$395. The number of hours was calculated based on prior rate filings.

Division- estimated based on charges for Dk4618 for the Division consultants, A-1 Court Reporters, and indirect cost of the division plus an additional 5% increase.

Mary L. Deignan-White 2/14/2020



MEMORANDUM

To: Peter J. Pallozzi, Deputy General Manager - Administration

From: Nancy E. Parrillo – Senior Manager – Finance

The Hon. Jorge O. Elorza

Mayor

Re:

Date: October 12, 2017

Ricky Caruolo General Manager

RFP – Rate Filing Consultant

BOARD OF DIRECTORS

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(401) 521-6300

125 Dupont Drive Providence, RI 02907

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I am requesting that the Board of Contract and Supply authorize Providence Water to award the contract for Rate Filing Consultant for the Providence Water Supply Board to Raftelis Financial Consultants, 20 Main Street Suite 301, Natick, MA 01760.

The award should be for the next three years (2017 to 2020) with the option to extend for an additional two years.

Although Raftelis was the sole bidder for this RFP, it should be noted that Providence Water has had a long and satisfactory relationship with their staff. It should also be noted that the pricing quoted in this bid is consistent with the pricing in the current expiring contract.

cc: R. Caruolo

G. Giasson

B. Paquin

I. Kuti

M. Deignan-White

ORIGINAL

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BCWA 1-7 ATTACHMENT



PRONIDENCE WATER SUPPLY BOARD

ACCOUNTING SERVICES FOR RATE AND OTHER FILINGS BEFORE
THE PUC AND THE DIVISION OF PUBLIC UTILITIES OF RI
FOR THE PROVIDENCE WATER SUPPLY BOARD (BLANKET 2017-2020)

ID#15619 / September 18, 2017

Request for Proposal Providence Water Supply Board Rate Filing Services

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|------|--|-------------------------------------|-------------------------------------|
| PREF | PARATION of the following alternatives; | Team Hourly Rate | Not to Exceed Amount |
| 1. | Full Rate Filing: Cost of Service (Test and Rate Year) Cost Allocation and Rate Design City Service Analysis (Test and Rate Year) | \$ 250.00 \$ 250.00 \$ 250.00 | \$ 22,500 \$ 41,250 \$ 20,000 |
| 2. | Abbreviated Rate Filing: Cost of Service (Test and Rate Year) | \$ 250.00 | \$ 22,000 |
| 3. | Surcharge Filing: | \$ 250.00 | \$ 22,500 |
| 4. | Terms and Conditions | \$ 250.00 | \$ 8,000 |
| REV | IEW of the following alternative if prepared by Providence Full Rate Filing: Cost of Service (Test and Rate Year) Cost Allocation and Rate Design City Service Analysis (Test and Rate Year) | \$ 250.00 \$ 250.00 \$ 250.00 | \$15,000 \$25,000 \$10,000 |
| 6. | Abbreviated Rate Filing: Cost of Service (Test and Rate Year) | <u>\$ 250.00</u> | \$15,000 |
| 7. | Surcharge Filing: | \$ 250.00 | \$15,000 |
| 8. | Terms and Conditions | \$ 250.00 | \$6,000 |
| Othe | er Items: | | |
| 9. | Attendance at Open MeetingsPer | Hour <u>\$ 2</u> | 85.00 |
| 10. | Attendance at Hearings and/or Compliance Hearings | lour <u>\$ 2</u> | 85.00 |

| Request for Proposal Providence Water Supply Board Rate Filingusterates for Other Services | Please attach complete list of titles/services & hourly rate(s). |
|--|--|
| Vendor Name: Raftelis Financial Consultants, Inc. | Tel No : 704.373.1199 |
| Address: 227 West Trade Street, Suite 1400 | Fax No: 704.373.1113 |
| City, State: Charlotte, NC | Zip_28202 |
| E-mail Address: hsmith@raftelis.com | |

PROVIDENCE WATER RESERVES THE RIGHT TO REQUIRE ALL OR ANY COMBINATION OF THE ALTERNATIVES LISTED ABOVE.

Each bidder must supply a complete list of all classifications for all work which may be required. Each classification must include an hourly rate for additional work as deemed necessary by Providence Water.

RFC's 2017 Standard Hourly Billing Rates

| Position | Hourly Billing Rate ** |
|-------------------------------------|-------------------------------|
| Chair | \$400 |
| Chief Executive Officer/President | \$360 |
| Chief Operating Officer | \$325 |
| Executive Vice President | \$310 |
| Vice President/Principal Consultant | \$280 |
| Director of Governmental Services | \$280 |
| Director of Management Consulting | \$280 |
| Senior Manager | \$255 |
| Director of Florida Operations | \$210 |
| Manager | \$230 |
| Director of Data Services | \$230 |
| Senior Consultant | \$200 |
| Consultant | \$175 |
| Associate | \$150 |
| Analyst | \$110 |
| Administration | \$75 |
| Technology/Communications Charge* | \$10 |

^{*} Technology/Communications Charge – this is an hourly fee charged monthly for each hour worked on the project to recover telephone, facsimilie, computer, postage/overnight delivery, conference calls, electronic/computer webinars, photocopies, etc.

^{**} For services related to the preparation for and participation in deposition and trial/hearing, the standard billing rates listed above will be increased by an amount up to 50%.



CITY OF PROVIDENCE STATE OF RHODE ISLAND BOARD OF CONTRACT AND SUPPLY

BIDDERS BLANK

| Name of Company: | Raftelis Financial Consultants, Inc. |
|---|--|
| Agrees to bid on: Items(s) to be bid | ACCOUNTING SERVICES FOR RATE AND OTHER FILINGS BEFORE THE PUC AND THE DIVISION OF PUBLIC UTILITIES OF RI FOR THE PROVIDENCE WATER SUPPLY BOARD (BLANKET 2017-2020) ID#15619 |
| Date of Award | |
| Total Amount in Writing: | See Bidders Blank |
| Total Amount in Figures: Additional Bidding Details | See Bidders Blank |

Additional Bidding Details
Use Additional Pages if Necessary
Conforms to Specifications ()
Modifications to Specifications ()

| MINORITY PARTICIPA | ATION 0 % |
|--|--|
| UPON ON SIGNING AND SUBMITTING OF ALL THE TERMS & CONDITIONS STATED | THIS DID THE STATE OF |
| Federal ID# or Social Security #: | 20-1054069 |
| Signature: | |
| Title of Person signing: | VicePresident |
| Firm Name: | Raftelis Financial Consultants, Inc. |
| Address: | 227 West Trade Street, Suite 1400, Charlotte, NC 28202 |
| Phone #: | 704.373.1199 |
| Delivery Date: | September 18, 2017 |
| Name of Surety Company | Not applicable |

Purchasing Department City Hall, Room 305 Providence, R.I. 02903 (401) 421-7740 ext. 261 / 751-0203 (TDD)

FORM D2: MBE / WBE PARTICIPATION Independent WAIVER REQUEST FORM

| Does the Bidder intend to subcontract any portion This form is for Bidders in Category 1 and 2 only, so if you a Worksheet (page 3) and Form Matrix (page 1) to determine the | nswered Yes to the above question, please rev | |
|--|---|--------------------|
| Name of Bidder: Raftelis Financial Consultan | its, Inc. | |
| Contract Name/Number: Accounting Services for Before the PUC and the D (Blanket 2017-2020) ID#1 | r Rate and Other Filings Division of Public Utilities Bid Due Da 5619 | September 18, 2017 |
| Goals on this contract: O MBE O | % WBE | |
| I have achievedO% MBEO | % WBE | |
| I am requesting a waiver of% MBE | % WBE | |
| Is the BIDDER certified by the State of Rhode Isl If Yes, please check the type(s) of certification an | | |
| Type of Firm: MBE \square WBE \square | | |
| MBE/WBE Certification Number (MBCN#): | Expiration | Date: |
| I acknowledge the City of Providence's goals of opportunity is identified to subcontract any tast faith effort will be made to select MBE/WBE of the company | sk associated with the fulfillment of | |
| Signature of Bidder | Printed Name | Date |
| Submit this form to the City of Providence ME MBE/WBE Compliance Officer or the MBE/W (4) days prior to the bid opening date. | | |
| Signature of MBE/WBE Officer | Printed Name | Date |
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| | | |
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20 Main Street, Suite 301 Natick, MA 01760 Phone 774.243.0619 Fax 508.797.3096 www.raftelis.com

September 14, 2017

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Board of Contract and Supply
Department of the City Clerk – City Hall, Room 311
25 Dorreance Street
Providence, Rhode Island 02903

RE: RFP for Accounting Services for Rate and Other Filings Before the PUC and the Division of Public Utilities of RI for the Providence Water Supply Board (Blanket 2017-2020)

Dear members of the selection committee:

Raftelis Financial Consultants, Inc. (Raftelis) is pleased to submit this proposal to provide accounting services for rate and other filings before the Rhode Island Public Utility Commission (RIPUC) and the Rhode Island Division of Public Utilities and Carriers (Division). We appreciate the opportunity to submit this proposal, which details our project approach to meet the Board's objectives and our qualifications and experience within the water utility industry.

In order to provide assistance to the City, we have assembled a team of professionals with unparalleled experience and expertise in the field of water and wastewater finance and pricing. Members of our proposed Project Team have significant recent experience before the RIPUC and Division having represented the Providence Water Supply Board (Board) and the City of Newport (Newport) before both bodies several times during the past five years. Additionally, the Raftelis Project Team differentiates ourself from the competition by our core focus on financial and rate consulting services specifically tailored to the needs of government-owned water and wastewater utilities.

Raftelis was established in 1993 to provide financial, rate, and management consulting services of the highest quality to water and wastewater utilities. Raftelis has the largest and most experienced water, wastewater, and stormwater utility rate and financial consulting practice in the country. Our staff have provided rate and/or financial planning assistance to more than 500 utilities across the United States and have conducted thousands of studies. No one in the industry can equal Raftelis' combination of size, efficiencies, and corporate independence. Our mission has always been focused on assisting our clients in meeting their goals of financial viability, and we have no "stake" in the scope and depth of a utility's capital investments, which allows us to avoid the potential for conflicts.

Our staff members are involved in shaping industry standards by chairing and actively participating in various committees within the American Water Works Association (AWWA) and the Water Environment Federation (WEF). We have authored or co-authored several industry standard books related to water and wastewater utility rate setting and finance, and are also responsible for producing the biennial national *Water and Wastewater Rate Survey* in collaboration with the AWWA.

To assist the Board with this engagement, we have put together a team with extensive experience and a reputation for quality service. As a Vice President of Raftelis, I will serve as Project Manager, coordinating the day-to-day aspects of the project and ensuring it is within budget, on schedule, and effectively meets the Board's objectives. I will also prepare all testimony filed by Raftelis in support of the Board's rate filings. I have more than 20 years of experience advising municipal water and wastewater utilities throughout the United States with a variety of financial and rate issues. I have served as the Project Manager for Raftelis' past rate filing engagements with the Board and Newport, giving me extensive experience participating in filings before the RIPUC. I am also the past-Chair of the AWWA Strategic Management Practices Committee and a member of the Financial Management Committee of the New England Water Works Association. Collin Drat will serve as Lead Consultant, leading the conduct of analyses and preparation of project deliverables. Collin has been with Raftelis since 2011, serving as Manager or Lead Consultant on a variety of projects to assist water and wastewater utilities in addressing economic and financial issues. He also has served as Lead Consultant on Raftelis' past rate filing engagements with the Board.

We are proud of the resources that we can offer and welcome the opportunity to be of assistance to the Board on this engagement. Should you have any questions regarding our proposal, please do not hesitate to contact me using the contact information below.

Harold J. Smith, Vice President

Office: 704.936.4440 Cell: 704.258.8538 Fax: 704.373.1113

E-Mail: hsmith@raftelis.com

Very truly yours,

RAFTELIS FINANCIAL CONSULTANTS, INC.

Harold J. Smith Vice President

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INTRODUCTION

The Providence Water Supply Board (the Board) provides potable water to approximately 75,000 retail customers within the City of Providence and the Cities of North Providence, Cranston, East Smithfield, and Johnston, and wholesale water service to eight water utilities that serve the region surrounding Providence. Operating the largest water system in the State of Rhode Island, the Board obtains raw water from a series of surface water reservoirs and treats the water in the 144 million gallon per day Philip J. Holton Water Purification Plant before distributing the water to its retail and wholesale customers.

Because the Board serves customers beyond the Providence City Limits, the utility falls under the jurisdiction of the Rhode Island Public Utilities Commission (RIPUC) and Division of Public Utilities and Carriers (Division). This jurisdiction includes, among other things, the review and approval of adjustments to the Board's water rate schedules and the issuance of long term debt to finance major capital improvements. To date, the RIPUC has not issued a Report and Order for the Board's last rate

filing, Docket 4618, but during the proceedings for that docket, the RIPUC approved an 8.5% increase in rate revenue. Additionally, the Board was directed to prepare a completely new cost allocation model in support of its next general rate filing.

Raftelis Financial Consultants, Inc. (Raftelis) has extensive skills and experience in assisting public utilities with such matters and we have assisted the Board with previous filings. In addition to its past work with the Board, Raftelis staff have worked with more than 500 municipal water and wastewater utilities to address their financial and management needs. The staff of Raftelis has significant experience in preparing the type of documents that are required by the Board and working with state regulatory bodies, including projects for clients in Indiana, Massachusetts, Maryland, and Rhode Island.

This proposal outlines Raftelis' proposed work plan to meet the Board's needs, our qualifications and experience, and the pricing for the scope of work proposed in the format requested by the Board. m

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WORK PLAN

Based on our review of the Board's Request for Proposal, our involvement in the Board's most recent rate filings, as well as our experience with other water utilities across the country, we have prepared the following work plan to meet the Board's objectives with regard to the determination and support of water rates necessary to fund the management, operations, and capital investment in its water system.

GENERAL RATE FILING

As mentioned previously, the RIPUC has directed the Board to prepare a completely new cost allocation model in support of its next rate filing and our proposed scope and price includes the preparation of this study.

COST OF SERVICE

The first step in the rate development process is the determination of the Board's cost of service.

The RIPUC requires the Board to use the cash needs approach in establishing its cost of service. The cost components of the cash needs approach include operation and maintenance expense,

debt service, revenue financed capital improvements, funding of certain restricted accounts, and working capital allowances.

In Docket 4618, Board staff developed the cost of service; however, if the Board requests that Raftelis develop the cost of service, we will, in collaboration with the Board's staff, select the test year that will be used for the rate filing. Ideally the test year will be the Board's most recent fiscal year in order to minimize the necessary accrual adjustments. However, since RIPUC rules require that the close of the test year be within nine months of the date of filing, it may be necessary

to use another twelve-month period. We will adjust the test year financial results for known and measurable changes and other allowable items, including general inflationary adjustments to determine the adjusted test year, or rate year, cost of service. The resulting cost of service will form the foundation of the new cost allocation model that is being required by the RIPUC.

CITY SERVICE ANALYSIS

The Board has indicated they may wish to have an analysis of the costs for services provided by the City of Providence (City) to the Board performed as part of the rate filing. We will work

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with Board staff and City staff to determine the appropriate City service costs to be allocated to the Board. This analysis will include a detailed review of the current cost allocation and charge methodology used by the City and Board, City cost records, as well as interviews with Board and City staff to confirm the types and amounts of services provided to the Board by the City. Based on our review and analysis, we will make recommendations to the Board for modifications to the current methodology that will better reflect the costs of the services provided. Appropriate testimony and exhibits on this item will be included in the rate filing and the costs included in the rate year cost of service.

COST ALLOCATION AND RATE DESIGN

The next step in the rate study process is to allocate the costs to the appropriate functional categories and customer classes. As mentioned previously, the Board will need to support its next general rate filing with a completely new cost allocation model. Raftelis will develop a new cost allocation model that will allocate costs to functional categories, customer classes and rate structure components. The extent to which the new model allocates cost differently than the current cost allocation model is uncertain, but the cost allocation process will be conducted in accordance with standard industry practice. What is certain is that the new cost allocation model will address certain cost allocation issues that have been particularly contentious in previous dockets. For example, the new model will specifically address the allocation of costs associated with the Board's new Central Operations Facility and the cost associated with serving East Smithfield.

The cost allocation model will be developed in Microsoft Excel and will be designed to generate the schedules that will be submitted to the RIPUC with our pre-filed testimony. One very important component of the model will be a revenue-proof schedule that will calculate revenues under proposed rates to ensure that projected revenues are at least sufficient to cover anticipated costs. The model will also provide the Board with the capability of testing revenue sufficiency under various different demand scenarios in order to develop an understanding of the impacts that reduced consumption will have on its revenue stream.

Upon completion of the cost allocation and rate design analyses, we will draft our direct testimony and exhibits that will be included in the rate filing for review by Board staff and Counsel. We will discuss our testimony with Staff and Counsel via conference call. The testimony and exhibits will be revised to reflect the results of the conference call and submitted for inclusion with the rate filing.

Included in our proposed work

plan for this task are the preparation of direct and rebuttal testimony and associated exhibits. Also included is one trip to Providence at the beginning of the project to collect data and interview Board staff, one trip prior to preparation of the direct testimony, and one trip for the RIPUC hearing or settlement conference. We have also included 30 hours of effort for preparing responses to data requests from the Division and interveners. Any preparation of responses to data requests, additional pre-filed testimony, attendance at open meetings, or attendance at compliance hearings will be on a time and materials basis.

RAFTELIS PREPARED FILINGS

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The Board's RFP also contemplates the possibility that the Board may ask Raftelis to prepare other filings before the RIPUC that do not necessarily involve the development of a full rate filing. In the event that the Board elects to have Raftelis prepare the filings to the PUC, the following tasks will be preformed by Raftelis for the lump sum prices as outlined in the pricing section of this proposal.

ABBREVIATED RATE FILING

In the case the Board elects to perform an abbreviated rate filing with the RIPUC, Raftelis will perform a cost of service analysis only, as described previously in the full rate filing section, and as modified by the RIPUC rules regarding abbreviated filings. Once the test year and rate year cost of service is determined, Raftelis will calculate an across the board rate increase necessary to recover that cost of service.

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Included in our proposed work plan for this task are the preparation of direct and rebuttal testimony and associated exhibits. Also included are one trip to Providence at the beginning of the project to collect data and interview Board staff and one trip for the RIPUC hearing or settlement conference. Any additional pre-filed testimony, attendance at open meetings, or attendance at compliance hearings will be on a time and materials basis.

SURCHARGE FILING

In the event that the Board finds itself needing to implement a rate surcharge to recover costs related to an unforeseen circumstance, Raftelis will perform a cost of service analysis similar to that performed for an abbreviated rate filing to determine the extent of additional revenues needed and the associated rate surcharge necessary to fund the costs of such an unforeseen circumstance.

Included in our proposed work plan for this task are preparation of direct and rebuttal testimony and associated exhibits. Also included are one trip to Providence at the beginning of the project to collect data and interview Board staff and one trip for the RIPUC hearing or settlement conference. Any additional prefiled testimony, attendance at open meetings, or attendance at compliance hearings would be on a time and materials basis.

TERMS AND CONDITIONS

Raftelis will prepare and file amended terms and conditions with the RIPUC as directed by the Board in accordance with RIPUC standards and requirements.

Included in our pricing for this task is the initial pre-filed direct testimony for the RIPUC. Any additional pre-filed testimony, attendance at open meetings, or attendance at compliance hearings would be on a time and materials basis.

OTHER PROCEEDINGS AND PETITIONS

Additional attendance by Raftelis at open meetings, compliance hearings, or any other additional work requested by the Board will be accommodated on a time and materials basis as indicated in the pricing section of our proposal. Raftelis has a broad range of experience and expertise in providing consulting services to water utilities throughout the United States and can assist the Board with any relevant issues under these terms.

BOARD PREPARED FILINGS

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While the Board's RFP does

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not indicate that the Board is considering preparing filings themselves, the Bid Sheet included with the RFP asks for prices for the review of filings prepared by the Board's in-house staff. Therefore, we have provided descriptions of the services we would perform if we are asked to review filings prepared by in-house staff and have included the proposed prices for these services on the Bid Sheet.

FULL RATE FILING PREPARED BY THE BOARD

Raftelis will review the work performed by Board staff and provide input on the assumptions, process, and methodology to assure that rates were being calculated within RIPUC guidelines and industry standards.

In reviewing the Board's cost of service determination, cost allocation and rate design, or City service analysis, Raftelis will thoroughly review the Board's calculations as well as supporting information such as cost, revenue, and accounting data and interview Board staff to assure compliance with RIPUC requirements and industry standards.

When Raftelis has completed its review, an opinion letter would be issued attesting to Raftelis' findings and the completeness and accuracy of the calculations performed.

Included in our proposed work plan for this task is preparation of direct testimony and exhibits set-

ting forth our review of the Staff's calculations. Also included in our pricing is one trip to Providence at the beginning of the project to collect data and interview Board staff. Any additional pre-filed testimony, attendance at open meetings, or attendance at compliance hearings would be on a time and materials basis.

ABBREVIATED RATE FILING

In the case of an abbreviated rate filing prepared by the Board, the work performed by Raftelis will be almost identical to that performed in reviewing the cost of service portion of a full rate filing, with some additional effort to review the calculated across the Board rate increase.

When Raftelis has completed its review, an opinion letter would be issued attesting to Raftelis' findings and the completeness and accuracy of the calculations performed.

Included in our proposed work plan for this task is preparation of direct testimony and associated exhibits setting forth our review of the Staff's calculations. Also included in our proposed pricing is one trip to Providence at the beginning of the project to collect data and interview Board staff. Any additional pre-filed testimony, attendance at open meetings, or attendance at compliance hearings would be on a time and materials basis.

SURCHARGE FILING

In the case of a surcharge filing

prepared by the Board, Raftelis will perform a review similar to that of an abbreviated rate filing as discussed above.

When Raftelis has completed its review, an opinion letter would be issued attesting to Raftelis' findings and the completeness and accuracy of the calculations performed.

Included in our proposed work plan for this task is the preparation of direct testimony and exhibits setting forth our review of the Staff's calculations. Also included in our proposed pricing is one trip to Providence to collect data and interview Board staff. Any additional pre-filed testimony, attendance at open meetings, or attendance at compliance hearings would be on a time and materials basis.

TERMS AND CONDITIONS

Raftelis will be available to review new or amended Terms and Conditions filings that have been prepared by the Board. Raftelis will thoroughly review the filings to assure they comply with RIPUC requirements and generally accepted industry standards. In performing this review, Raftelis would collect relevant information and documents from the Board and interview Board staff as necessary.

Included in our pricing for this task is the preparation of any direct testimony and associated exhibits needed to support the Board's filing. Any additional pre-filed testimony, attendance

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at open meetings, or attendance at compliance hearings would be on a time and materials basis.

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RAFTELS

RAFTELIS HAS THE **LARGEST CONSULTING PRACTICE IN THE NATION** FOCUSING ON THE FINANCIAL AND RATE ASPECTS OF WATER-INDUSTRY UTILITIES.

In 1993, Raftelis Financial Consultants, Inc. (Raftelis) was founded to provide services that help utilities function as sustainable organizations while providing the public with clean water at an affordable price. With this goal in mind, Raftelis has grown to have the largest and most experienced utility financial and rate consulting practice in the nation. Raftelis has experience providing these services to hundreds of utilities across the country and abroad, allowing us to provide our clients with innovative and insightful recommendations that are founded on industry best practices. Throughout our history, we have maintained a strict focus on the financial and management aspects of utilities, building a staff with knowledge and skills that are extremely specialized to the services that we provide, and thus allowing us to provide our clients with independent and objective advice.

LICENSED TO DO
BUSINESS

Raftelis is fully licensed to practice in the state of Rhode Island.

Visit www.raftelis.com to learn more about Raftelis' story.

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WHAT MAKES RAFTELIS UNIQUE?



DEPTH OF RESOURCES

With more than 70 utility financial, rate, and management consultants, Raftelis has the largest waterindustry financial, rate, and management consulting practice in the nation.

BENEFIT TO THE BOARD

Our depth of resources will allow us to sufficiently staff this project with the qualified personnel necessary to efficiently and expeditiously meet the Board's objectives.



FOCUS

Raftelis' services are solely focused on providing financial, rate, and management consulting services to waterindustry utilities.

BENEFIT TO THE BOARD

This focus allows Raftelis professionals to develop and maintain knowledge and skills that are extremely specialized to the services that we provide, and will allow us to provide the Board with independent and objective advice.



UNPARALLELED LOCAL & NATIONAL EXPERIENCE

Raftelis has assisted hundreds of water industry utilities throughout the country with financial, rate, and management consulting services, including many Rhode Island and New England utilities.

BENEFIT TO THE BOARD

Our extensive experience will allow us to provide innovative and insightful recommendations to the Board, and will provide validation for the proposed methodology ensuring that industry best practices are incorporated.



Raftelis is registered with the U.S. Securities Exchange Commission (SEC) and the Municipal Securities Rulemaking Board (MSRB) as a Municipal Advisor. Registration as a Municipal Advisor is a requirement under the Dodd-Frank Wall Street Reform and Consumer Protection Act. All firms that provide financial forecasts that include assumptions about the size, timing, and terms for possible future debt issues, as well as debt issuance support services for specific proposed bond issues, including bond feasibility studies and coverage forecasts, must be registered with the SEC and MSRB to legally provide financial opinions and advice. Raftelis' registration as a Municipal Advisor means our clients can be confident that Raftelis is fully qualified and capable of providing financial advice related to all aspects of utility financial planning in compliance with the applicable regulations of the SEC and the MSRB.



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RATE FILING EXPERTISE

Raftelis has assisted numerous agencies with getting proposed rates approved by regulatory bodies.

BENEFIT TO THE BOARD

Raftelis has prepared rate filings and provided expert testimony before regulatory bodies in several states including Rhode Island.

Specifically, we have appeared before the RIPUC in numerous dockets, representing the Board and Newport. This experience has allowed us to develop constructive working relationships with RIPUC and Division staff such that our work is trusted to be of the highest caliber.



MODELING EXPERTISE

Raftelis has developed some of the most sophisticated yet user-friendly financial/rate models available in the industry.

BENEFIT TO THE BOARD

Our models are tools that allow us to examine different policy options and cost allocations and their financial/customer impacts in real time. Our models are non-proprietary and are developed with the expectation that they will be used by the client as financial planning tools long after the project is complete.



INDUSTRY LEADERSHIP

Our senior staff is involved in shaping industry standards by chairing various committees within the American Water Works Association (AWWA) and Water Environment Federation (WEF). Raftelis' staff members have also contributed to many industry standard books regarding utility rate setting.

BENEFIT TO THE BOARD

Being so actively involved in the industry will allow us to keep the Board informed of emerging trends and issues, and to be confident that our recommendations are insightful and founded on sound industry principles.

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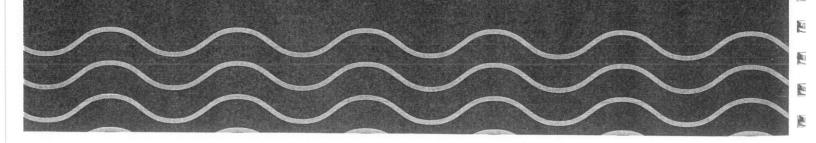
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WATER/WASTEWATER/STORMWATER UTILITY
FINANCIAL/MANAGEMENT
CONSULTANTS,
RAFTELIS HAS THE LARGEST
PRACTICE IN THE NATION.

All of our staff will be available to provide support for this project as necessary.



PROJECT TEAM

Our Project Team consists of some of the most knowledgeable and skilled financial consulting professionals in the water and wastewater utility industry. This organizational chart shows the structure of our Project Team along with descriptions of their roles on the Board's project. On the following pages, we have included profiles detailing our team members' qualifications and experience in the industry followed by detailed resumes located in Appendix A.

PROVIDENCEWATER SUPPLY BOARD

PROJECT MANAGER

Harold Smith will manage the project and ensure that it stays on schedule, is within budget, and effectively meets the Board's objectives. He will also lead the consulting staff in conducting analyses and preparing deliverables. Mr. Smith will serve as the Board's main point of contact for the project and will prepare all testimony submitted in support of the Board's rate filings. (50% of work on this project)

LEAD CONSULTANT

Collin Drat will have primary responsibility for the development of rate models used to support the Board's filing. (25% of work on this project)

STAFF CONSULTANT

Joe Collins will work at the direction of Mr. Smith in conducting analyses and preparing deliverables for the project. (25% of work on this project)



WE WROTE THE BOOK

Raftelis staff have co-authored many of the industry's leading guidebooks regarding wastewater and water financial issues and rate setting, including:

- AWWA's Manual M1, Principles of Water Rates, Fees and Charges
- AWWA's Water Rates, Fees, and the Legal Environment, 2nd Edition
- AWWA's Manual M29, Financial Management for Water Utilities: Principles of Finance, Accounting, and Management Controls
- AWWA's Manual M5, Water Utility Management; 2nd Edition
- WEF's Manual of Practice No.
 27 Financing and Charges for Wastewater Systems
- WEF's The Effective Water Professional: Leadership, Communication, Management, Finance, and Governance
- Water and Wastewater Finance and Pricing: The Changing Landscape

Raftelis also conducts and publishes the national *Water and Wastewater Rate Survey* in conjunction with AWWA. This survey is the most comprehensive collection of water and wastewater utility financial and rate data available in the industry.

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EXPERIENCE: 26 years

CAREER HIGHLIGHTS

- Co-author of Water and Wastewater Finance and Pricing
- Financial/rate consulting experience with Providence Water Supply Board, Newport, New York City Water Board, New Orleans, Phoenix, Tucson Water, & Buffalo

EDUCATION

- MBA Wake Forest University
- BS University of the South

CHARLOTTE OFFICE

227 West Trade Street, Suite 1400 Charlotte, NC 28202 P: 704.936.4440 Mr. Smith is a nationally recognized expert in water and wastewater finance, management, and pricing and has worked extensively in Rhode Island. He has represented the Board and Newport in numerous RIPUC dockets. For over 25 years, he has focused on advising municipal water and wastewater utilities throughout the United States. Mr. Smith has participated in a variety of projects to assist water and wastewater utilities focusing on financial, management, and public policy requirements. His broad-based experience includes cost of service and pricing analyses, development of comprehensive financial plans, utility impact fee studies, revenue bond feasibility studies, management studies and strategic planning. Mr. Smith is the past-Chair of the AWWA Strategic Management Practices Committee and is a member of the Financial Management Committee of the New England Water Works Association.

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COLLIN DRAT

(Senior Consultant)

EXPERIENCE: 4 years

CAREER HIGHLIGHTS: Financial/rate consulting experience with Providence Water Supply Board, Saginaw, Flint, Suffolk, & Topeka

EDUCATION

- MPA Indiana University
- BA Wheaton College

KANSAS CITY OFFICE

3013 Main St. Kansas City, MO 64108 P: 816.285.9023

Mr. Drat has a background in public finance and statistical modeling. Since joining Raftelis, he has had the opportunity to participate in an array of utility financial and rate consulting engagements involving water and wastewater demand analysis, financial planning, cost of service analysis, cost of service review and rate design.



JOE COLLINS

STAFF CONSULTANT (Associate Consultant)

EXPERIENCE: 2 years

CAREER HIGHLIGHTS

- Financial/rate consulting experience with Little Blue Valley Sewer District
- Served as an Energy Management Fellow for Bloomington Utilities (IN)

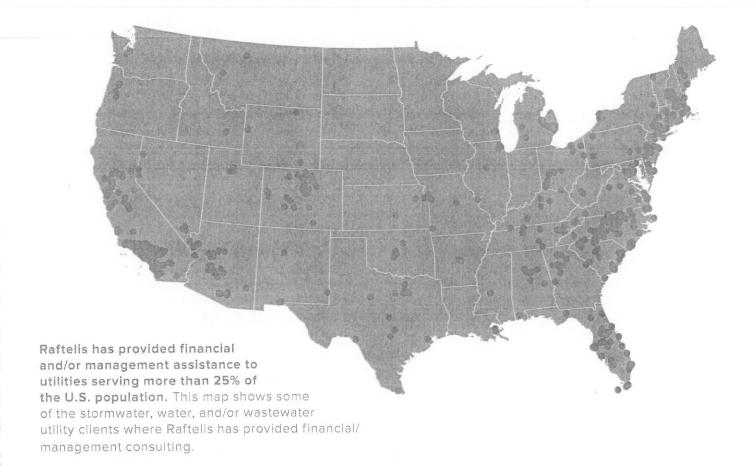
EDUCATION

- MPA Indiana University
- BS Truman State Universtiy

KANSAS CITY OFFICE

3013 Main St. Kansas City, MO 64108 P: 816.285.9017

Mr. Collins has a background in economics, public policy analysis, and municipal finance as well as utility energy management.



EXPERIENCE

Raftelis has focused on financial consulting for water, wastewater, and stormwater utilities since the firm's founding in 1993, and our staff consists of some of the most experienced consultants in the industry. Raftelis has provided financial, rate, management, and operational assistance to hundreds of water, wastewater, and stormwater utilities across the U.S. In the past year alone, Raftelis worked on more than 400 financial, rate, management, and operational consulting projects for over 300 water, wastewater, and/or stormwater utilities in 36 states, the District of Columbia, Canada, and Puerto Rico.

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| AL | Birmingham Water Works Board | • | | | • | • | | 0 | • | | | | • | | • | | • | | • | • |
| AL | Mobile Area Water & Sewer System | | | | • | | | • | | | | | | | | | | | | |
| AR | Central Arkansas Water | | | | 9 | | | | | | | | | 0 | | | | | | _ |
| AR | Little Rock Wastewater Utility | | | | • | | | 9 | | | | | | | 9 | | | | | • |
| AZ | Phoenix, City of | | | | • | | | | | | | | | | 9 | • | | | | |
| AZ | Tucson Water | | | • | • | | | | | | | | | | | | 9 | | | |
| CA | MWD of Southern California | | | • | | | | • | | | | | | | 9 | | | | | |
| CA | San Diego, City of | | | | | | | • | | | | | | | | | | | | |
| CA | San Francisco PUC Denver Water | | | | • | | | • | | | | | | | | | | | • | |
| co | | | | | | | | • | | | | | | | | | • | | | |
| CO | Denver Wastewater, City of Bethel, Town of | | | | | | | | | | | | | | | | | | | |
| СТ | Groton Utilities | | | | | | | | | | | | | | | | | | | |
| СТ | New Haven Regional Water Authority | | | | | | | | | | | | | | | | | | | |
| DC | DC Water | | | | | | | | | | | | | | | | | | | |
| DE | Wilmington, City of | | | | | | | | | | | | • | | | | | | - | |
| FL | St. Johns County | | | | | | | | | | | | | | | | | | • | |
| GA | Columbus Water Works | | 0 | | | | | | | | | | | | | | | | | |
| HI | Honolulu ENV, City and County of | | | | | | | | | | | | | | | | | | | |
| KS | Wichita, City of | | | | 0 | | | 0 | | | | | | | | | | | | |
| LA | New Orleans, Sewerage & Water Board of | | | | • | | | • | | | | | 0 | | 0 | 0 | 9 | | | |
| MA | Ayer, Town of | | | | • | | | • | | | | | | | | | | | | |
| MA | Boston Water and Sewer Commission | | | | • | | | | | • | | | • | | | | | | | |
| MA | Mansfield, Town of | | | | 0 | | | • | | | | | | | | | | | | |
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assessed to customers located in Cecil County. Mr. Smith's testimony focused on the rate of return on rate base that was being proposed by the Town. Specifically, Mr. Smith argued that the Town's use of a hypothetical capital structure in the development of the Town's cost of capital was inappropriate. Mr. Smith argued that the Town's cost of capital should be based on the Town's actual capital structure. The PSC agreed with Mr. Smith's position and reduced the Town's rate of return from 6.32% to 2.147%.

CASE NO: TA-4372 - PUERTO RICO PUBLIC SER-VICE COMMISSION; 2012: In April 2012, Gran Melia, through its legal counsel, Maymí Rivera LLC, retained Raftelis to provide expert services related to the review and evaluation of the water and sewer rates charged and proposed to be charged by Coco Beach Utility Company (CBU). The Gran Melia Puerto Rico Golf Resort ("Gran Melia") is located east of San Juan and is part of the Coco Beach Resort developed by Coco Beach Development, Corp. ("CBD"). Water and sewer services are provided to Gran Melia by Coco Beach Utility Company, Inc. ("CBU"), a wholly-owned subsidiary of CBD. CBU is a privately-owned utility under the jurisdiction of the Puerto Rico Public Service Commission (the "PSC"). The water and sewer rates charged by CBU are subject to review and approval by the PSC.

Mr. Drat served as the staff consultant for this engagement, producing schedules and an expert report challenging the water and sewer rates developed by CBU's expert witness. A key aspect of the engagement involved challenging the proposal that cost associated with excess capacity built in to the CBU water and sewer systems be included in the rate to Gran Melia. Raftelis argued that Gran Melia, as the sole customer of CBU should not have to pay for capacity built for development in the Coco Beach area that did not ultimately occur.

DOCKET NO. DW 13-126 - NEW HAMPSHIRE PUBLIC SERVICE COMMISSION; 2013: Raftelis was retained by Pennichuck East Utility to prepare a cost allocation and rate design study. Mr. Drat served as the staff consultant for this engagement working providing

support to Christopher Woodcock (Woodcock & Associates), who served as the expert witness for this Docket. Mr. Drat prepared an electronic cost allocation model and drafted expert testimony in support of this Docket.

Below is a list of references that can attest to the quality of work performed by Raftelis on similar engagements.

PROVIDENCE WATER (N) 2007 - Present

Nancy Parillo Senior Manager-Finance - Providence Water 552 Academy Avenue Providence, RI 02908 E: nparillo@provwater. com P: 401.521.6300 Michael McElroy -Schacht & McElroy 21 Dryden Lane, P.O. Box 6721 Providence, RI 02940-6721 E: michael@ mcelroylawoffice.com P: 401.351.4100

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SI

CITY OF NEWPORT (RI) 1998 - Present

Julia Forgue
Director of Utilities City of Newport
70 Halsey Street
Newport, RI 02840
E: jforgue@
cityofnewport.com
P: 401.845.5601

William Yost
Deputy Director of
Utilities-Finance City of Newport
Water Division
70 Halsey Street
Newport, RI 02840
E: wyost@cityofnewport.
com
P: 401.845.5602

TUCSON WATER 2005 - Present

Steven Ritter
Finance Management Coordinator Tucson Water
PO Box 27210
Tucson, AZ 85726
P: 520.887.2110
E: steven.ritter@tucsonaz.gov

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transferring funds to and from restricted account that were attached to this docket.

DOCKET NO. 4355 (2013): This docket involved the reparation and submittal of a full rate filing with based on a Base/Extra Capacity cost allocation model. Allocations in the model were based on a Demand Study that Newport performed to gather data relating to customer class peak demands. This study involved the installation of "data logger" on the meters of a statistically significant sample of Newport's customers and the collection and analysis of the data obtained from these devices. Raftelis prepared an Excel-based cost of service model and pre-filed direct testimony in support of the requested rates. Raftelis also responded to numerous data requests from PWFD and the Navy; reviewed testimony submitted by the witnesses for PWFD, the Navy, and the Division; and prepared rebuttal testimony. Raftelis also participated in hearings before the Commission; and assisted Newport's legal counsel with the preparation of post hearing briefs and compliance tariff filings. After minor adjustments, the proposed rates were approved in May of 2013.

DOCKET NO. 4595 (2016): This docket involved the reparation and submittal of a full rate filing with based on a Base/Extra Capacity cost allocation model. Raftelis updated the Excel based cost of service model developed in Docket 4355 and pre-filed direct testimony in support of the requested rates. Raftelis also responded to numerous data requests from PWFD, the Navy; reviewed testimony submitted by the witnesses for PWFD, the Navy, and the Division; and prepared rebuttal testimony. Raftelis also participated in hearings before the Commission; and assisted Newport's legal counsel with the preparation of post hearing briefs and compliance tariff filings. An order for this docket has not yet been issued, but the proposed rates were approved in September of 2016.

RECENT APPEARANCES BEFORE OTHER REGULATORY BODIES

In addition to appearances before the RIPUC and the Division, members of the Project Team have supported

utilities in rate-related matters before a number of other state regulatory bodies in states such as Indiana, Maryland, Maine, Massachusetts, Connecticut, and Wisconsin. Below is a sample of these appearances that took place during the past five years.

CAUSE NO. 44305 - INDIANA UTILITY REGULATORY COMMISSION (IURC); 2014: Raftelis submitted testimony and participated in hearings in support of a group of industrial wastewater customer's (Industrial Group) intervention in a wastewater rate filing by Citizens Water Authority (CWA) before the IURC. Mr. Smith's testimony focused on two aspects of CWA's filing that resulted in unfair rates being assessed to CWA's industrial wastewater customers. First, CWA was attempting to recover cost associated with the City of Indianapolis' (City) stormwater management program through wastewater rates. Mr. Smith argued that these costs should be recovered through a stormwater fee imposed by the City instead of being recovered through wastewater rates. Second, Mr. Smith argued that CWA's proposed allocation of costs resulted in the Industrial customer class subsidizing the Residential class. Specifically, Mr. Smith argued that CWA arbitrarily reduced the proposed rates for the Residential class and increased the proposed rates for the Industrial class in an effort to reduce "rate shock" on the Residential class. Additionally, Mr. Smith also argued that CWA had inappropriately allocated the costs associated with conveying and treating infiltration and inflow such that the Industrial class was paying more than their fair share of these costs. The IURC ruled against Mr. Smith's argument related to stormwater costs, but directed CWA to address this issue in future filings. With regard to Mr. Smith's cost allocation arguments, the IURC supported a settlement agreement between the Industrial Group and the Indiana Office of Utility Consumer Counselor (OUCC) that resulted in a 0% increase in the rates assessed to the Industrial customer class.

CASE NO. 9190 - PUBLIC SERVICE COMMISSION OF MARYLAND (PSC); 2013: Raftelis submitted testimony and participated in hearings in support of Cecil County, Maryland's (County) arguments against the Town of Northeast's (Town) proposed rates to be

Raftells has represented both the Board and the City of Newport between the River during the past five years, and we have also represented clients in other states before

PROVIDENCE WATER SUPPLY BOARD DOCKETS

DOCKET NO. 4406 (2013): This docket involved the preparation and submittal of a full rate filing for the Board. Raftelis prepared an Excel-based cost of service and rate model and pre-filed direct testimony in support of the requested rates. In addition, Raftelis assisted Board staff in developing the annual revenue requirements which were an input into the rate model. Raftelis also responded to numerous data requests from Kent County Water Authority (KCWA), Bristol County Water Authority (BCWA), the Division and the Commission staff; reviewed testimony submitted by witnesses for the KCWA, BCWA and the Division; prepared rebuttal testimony; participated in hearings before the commission; and assisted Board's legal counsel with the preparation of post hearing briefs and compliance tariff filings. This Docket resulted in an initial settlement agreement which was executed on November 12, 2013. At an open meeting on November 22, 2013, the Commission disallowed \$2.4M in proposed funding associated with Board's Central Operations Facility (COF), stating that the costs associated with the facility were not known and measurable at that time. This resulted in a second settlement agreement dated November 26, 2013.

DOCKET NO. 4571 (2015): In 2015, Docket 4406 was re-opened and Raftelis provided testimony and schedules in support of the restoration of \$2.4M in funding for Board's proposed Central Operations Facility (COF). Raftelis' testimony supported Board's position that, since costs for the COF were now known and measurable, that rates developed under the November 12, 2013 settlement agreement, which included the \$2.4M in funding, should now be implemented. Ultimately, the Motion to Reopen was re-docketed as an abbreviated rate filing under Docket No. 4571. After several rounds of data requests and responses, the Commission ultimately approved the abbreviated filing, which included \$2.1M in funding (based on updated cost information) for the COF.

DOCKET NO. 4618 (2016): This docket involved the preparation and submittal of a full rate filing for the Board. Raftelis prepared an Excel-based cost of service and rate model and pre-filed direct testimony in support of the requested rates. Raftelis also responded to numerous data requests from Kent County Water Authority (KCWA), Bristol County Water Authority (BCWA), the Division and the Commission staff; reviewed testimony submitted by witnesses for the KCWA, BCWA and the Division: prepared rebuttal testimony; participated in hearings before the commission; and assisted Board's legal counsel with the preparation of post hearing briefs and compliance tariff filings. This docket was decided by a decision of the Commission.

NEWPORT DOCKETS

DOCKET NO. 4243 (2011): This docket involved the preparation and submittal of a multi-year rate filing consistent with R.I.G.L. § 39-15.1-4. This rate plan included recommended rate increase for FY 12 through FY 15 that will be necessary to meet the increased debt service requirements associated with \$85 million in anticipated borrowing to fund a new treatment plant and upgrades to an existing plant. The Commission approved the multi-year rate plan which included a 22.5% increase in the first year. After careful analysis of cash flows associated with the treatment plant upgrades, it was determined that the next increase could be postponed until the end of FY 13. The second step of the rate plan was approved in May of 2013. The final step of the rate plan was approved in March of 2014. Raftelis also supported Newport on several petitions involving

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TECHNICAL SPECIALTIES

- » Utility cost of service and rate structure studies
- » Regulated utility filings
- » Utility financial planning studies
- » Alternative project delivery procurements
- Alternative project delivery feasibility studies
- » Regionalization/ consolidation studies

PROFESSIONAL HISTORY

- » Raftelis Financial Consultants, Inc.: Vice President (2002-present); Manager (1997-2002)
- » Geoscience Group: Environmental Department Manager and Senior Geologist (1991-1997)
- » Trigon Engineering Consultants, Inc.: Project Geologist (1989-1991)

EDUCATION

- Master of Business
 Administration Wake
 Forest University (1997)
- » Bachelor of Science in Natural Resources – University of the South (1987)

PROFESSIONAL MEMBERSHIPS

- American Water Works
 Association Past Chair
 of Strategic Management
 Practices Committee
- New England Water Works
 Association Member of Financial Management

 Committee
- » Design Build Institute of America

HAROLD SMITH

PROJECT MANAGER

Vice President

PROFILE

Mr. Smith is a nationally recognized expert in water and wastewater finance, management, and pricing. For more than 25 years, he has focused on advising municipal water and wastewater utilities throughout the United States. Mr. Smith has participated in a variety of projects to assist water and wastewater utilities focusing on financial, management, and public policy requirements. His broad-based experience includes cost of service and pricing analyses, development of comprehensive financial plans, utility impact fee studies, revenue bond feasibility studies, management studies and strategic planning. Mr. Smith is the past-Chair of the AWWA Strategic Management Practices Committee and is a member of the Financial Management Committee of the New England Water Works Association. Mr. Smith also co-authored a chapter entitled, "Role of the Private Sector and Alternative Project Delivery Methods," for the Fourth Edition of the industry guidebook, Water and Wastewater Finance and Pricing: The Changing Landscape.

RELEVANT PROJECT EXPERIENCE

PROVIDENCE WATER SUPPLY BOARD (RI)

Mr. Smith has served as Project Manager for four engagements that have involved the development rate models and preparation of expert testimony for the Providence Water Supply Board's (Providence Water) two most recent filings before the Rhode Island Public Utility Commission (RIPUC). For RIPUC Docket No. 3832, Raftelis used the rate year revenue requirements developed by others and allocated costs to Providence Water's customer classes which include three retail classes and several wholesale customers. In addition, we calculated both public and private fire protection charges. This filing, which was contested by the wholesale customers, resulted in rate increases ranging between 9% and 41%, depending on the class of customer. RIPUC Docket No. 4061, was an abbreviated filing for which Raftelis prepared the revenue requirements and developed the proposed rates. This filing resulted in a Settlement Agreement between Providence Water, the Division of Public Utilities and Carriers and interveners in the rate case that allowed for a 5.9% increase in Providence Water's rates. Raftelis is currently supporting Providence Water in its current rate case before the RIPUC.

Additionally, Raftelis assisted Providence Water with the preparation of a compliance filing to address the RIPUC's order in Docket No. 3832 to present conservation rate options. Based on testimony provided by Mr. Smith, the RIPUC determined that the implementation of conservation rates was not in the best interest of Providence Water or its customers at this time.

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PROJECT TEAM RESUMES

CITY OF NEWPORT (RI)

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Mr. Smith has worked with the City of Newport to perform analyses and prepare information that was included in the City's seven most recent General Rate Filings to the Rhode Island Public Utilities Commission (RIPUC Docket Nos. 3578, 3675, 3818, 4025, 4128, 4243 and 4355). For these engagements, Raftelis calculated retail rates for the City's retail customer and wholesale rates for the City's two wholesale customers, the Portsmouth Water and Fire District (PWFD) and the U.S. Navy. Mr. Smith provided both pre-filed testimony and direct testimony in support of Newport's requests. In Docket No. 4243 the RIPUC approved a multi-year rate plan designed to recover costs associated with the design and construction of new water treatment facilities. In Docket 4355, the RIPUC approved a cost of service model that will be used to calculate rates in the future.

Mr. Smith was also the lead financial consultant during the City's process to select a private partner to operate their wastewater treatment and collection facilities. For this engagement, Mr. Smith participated in the preparation of the Request for Proposals and the Service Agreement and lead the development of an economic baseline as well as the creation of a financial model that was used to calculate the long-term economic impact of each proposal. He also played an active role in the contract negotiation process. As a result of the procurement process, the City entered into a 20-year contract for the operation, maintenance, repair and replacement of their wastewater system. The contract is expected to save the City \$22 million over the term of the contract.

AVON WATER COMPANY (CT)

Avon Water Company (AWC) is a privately owned water utility that serves approximately 4,600 customers in and around Avon, Connecticut. It is regulated by the State of Connecticut's Department of Public Utility Control (DPUC). In 2009, AWC filed a request for a rate increase with the DPUC that included a conservation rate proposal that was a DPUC requirement from AWC's previous rate filing. This conservation rate proposal was prepared by another rate consultant that due to health reasons was unable to continue providing assistance

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to AWC. At that point, AWC engaged Raftelis to serve as its rate consultant for the remainder of the proceedings. For this engagement, Mr. Smith participated in all rate case hearings and prepared schedules and exhibits in support of rate structure alternatives that were requested during the course of the proceedings by the DPUC. These rate structure alternatives were designed to mitigate adverse bill impacts on low volume users while still sending a conservation message to AWC's customers.

GREATER AUGUSTA UTILITY DISTRICT (ME)

Mr. Smith provided expert testimony is support of sewer and stormwater rates and charges assessed by the Greater Augusta Utility District (GAUD) that are being challenged in court by a group of sewer customers that reside in the Town of Hallowell. The rates that are being assessed by GAUD are based on a cost of service study that was prepared by others in 2006 and updated by Raftelis in 2011. A decision on this matter has not yet been reached.

CECIL COUNTY (MD)

Mr. Smith provided expert testimony before the Maryland Public Service Commission (PSC) in a case that involved a dispute over the water rates that the Town of North East was charging to customers located within Cecil County, but outside the town limits. Mr. Smith's testimony focused on the utility's capital structure and the appropriate treatment of capital recovery fee revenue that the utility is holding in reserve. In their recent decision on this matter, the PSC accepted the positions that Mr. Smith presented in his testimony.

ERIE COUNTY WATER AUTHORITY (NY)

Mr. Smith is serving as Project Manager for a water cost of service and rate structure review study for the Erie County Water Authority (Authority) to better understand the cost of serving the Authority's various customer classes and to determine the most appropriate and equitable way to recover those costs. Raftelis' primary goal of the study is to maintain revenue sufficiency through rates that are equitable and reasonably recover costs for each service provided. Raftelis is evaluating the appropriateness of any modifications to the Authority's

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current rate structure to better meet these needs and to recognize a recent dynamic change in water consumption patterns. Further, Raftelis is developing a rate structure that discourages the wasteful use of water, especially when the wasteful use leads to an unnecessary need for additional resources to serve such wasteful demand. Raftelis is also helping the Authority with current and future agreements related to the 35 municipalities it currently serves.

PITTSBURGH WATER AND SEWER AUTHORITY (PA)

Mr. Smith is serving as Project Manager for a comprehensive cost of service and rate design for water and wastewater service for the Pittsburgh Water and Sewer Authority (PWSA). PWSA provides water service and wastewater conveyance service to their residential, commercial and industrial customers. PWSA tasked Raftelis to develop a comprehensive financial plan to determine the necessary annual rate adjustments to enable each service to be self-sustaining, to fund significant capital reinvestment, and to ensure overall ongoing financially sustainable operation of the utility. Raftelis' rate recommendations will be the foundation for the adoption of a five-year rate forecast for 2017-2021. Raftelis developed a new comprehensive rate and financial planning model for this study and future use by PWSA.

PWSA has recently become interested in establishing a stormwater fee to assess its customers for funding stormwater-related operations and infrastructure. In addition to the water and wastewater rate study, Raftelis is assisting PWSA with the allocation of operating and capital funding costs from water and wastewater to stormwater and with the identification of direct stormwater-related costs. These revenue requirements are being used to develop stormwater fees to be tentatively implemented in 2018 and included in the five-year rate plan.

NEW YORK CITY WATER BOARD (NY)

Mr. Smith is serving as Project Manager on Raftelis' engagement with the New York City Water Board (Board) for its FY 2014 rate update. The proposed 5.6% rate increase was approved by the Board in

late March 2013. Raftelis reviewed the multi-year financial plan prepared by the Board's other financial consultant and participated in various meetings with Board staff. Raftelis also prepared a detailed analysis of the impact from shifting away from frontage charges which was incorporated into the rate study. Under the frontage charge approach, multi-family residential customers are charged a fixed rate based on the characteristics of the building (height, width, depth, number of units, etc.). The new approach would still include a fixed charge, but would require a meter and would allow a customer to shift to a metered approach. This analysis was critical because of the cash flow implications.

Currently, Raftelis is developing an enhanced rate model that will allow for real time analysis of different financing and expense scenarios.

CITY OF BUFFALO (NY)

Mr. Smith served as the Project Manager for a comprehensive cost of service and rate study for the Buffalo Water Board (Board). The Board's primary pricing objectives were revenue sufficiency and equitable cost recovery from all customer classes. To achieve these objectives, Raftelis performed a cost of service study and developed two alternatives to the existing three-block, declining block rate structure. The results of the cost of service study indicated that the discount being realized by large volume customers was not cost justified and that only a minor portion of consumption was within the middle rate block. Raftelis recommended a phased approach to bringing the discount for consumption in the third rate block closer to a cost justified level and phasing out the middle rate block. Both the Board and the City's Common Council unanimously approved Raftelis' recommendations.

CITY OF PHOENIX (AZ)

Mr. Smith has managed numerous projects for the City of Phoenix (City) over the past ten years. The projects have included rate analyses, bond feasibility analyses, calculation of an environmental fee, a demand elasticity study and a design/build/operate procurement. Currently, Mr. Smith is managing a project that includes updating the City's

wastewater environmental fee model. Raftelis has assisted the City with five debt issuances. In 2001, Raftelis assisted with the preparation of a bond feasibility analysis for a \$220,000,000 Junior Lien Water System Revenue Bond issuance. In 2003, Raftelis assisted with the preparation of a bond feasibility analysis for \$130,260,000 in Senior Lien Wastewater System Variable Rate Demand Revenue Refunding Bonds. In 2003, Raftelis assisted the City by performing a parity test and preparing a parity test certificate for \$11,325,000 in Junior Lien Water System Revenue Refunding Bonds, and, in 2004, Raftelis performed a parity test and issued a parity test certificate for \$180,000,000 in Junior Lien Wastewater System Revenue Bonds. In 2005, Raftelis prepared a bond feasibility analysis for a \$600,000,000 in Junior Lien Water System Revenue Refunding Bonds. For this engagement, Raftelis reviewed the financial forecast prepared by the City; reviewed the report prepared by the City for inclusion in the bond official statement; prepared an opinion letter related to the reasonableness of the City's financial forecast; and performed a parity test and issued a parity test certificate. The scope of work for this project also included a benchmarking study that compared the City's performance on a variety of financial performance metrics with the performance of other similar utilities. Data for the benchmarking study was derived from information collected as part of Raftelis' biennial rate survey and from a targeted survey of the City's peer utilities that was created specifically for this project. Mr. Smith is currently managing the bond feasibility analysis for a \$450,000,000 water revenue bond issue. In 2009, Raftelis prepared a bond feasibility analysis for \$450,000,000 in Junior Lien Water System Revenue Bonds and \$90,295,000 in Junior Lien Water System Revenue Refunding Bonds. Also in 2009, Raftelis prepared parity test letters for loans from the Arizona Water Infrastructure Finance Authority for water and sewer system improvements.

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Mr. Smith also led an Raftelis team that served as the City's financial consultant for the procurement of a contractor for a design/build/operate contract for the 80 MGD Lake Pleasant Water Treatment Plant. Raftelis assisted the City with the analysis of alternative project delivery methods, the preparation of procurement documents, the evaluation of proposals and the preparation of a benchmark financial model.

TUCSON WATER (AZ)

Mr. Smith is serving as Raftelis' Project Manager for an engagement in which we have teamed with Galardi Rothstein Group to assist Tucson Water during the last three annual rate cycles. Our team led the technical and public outreach effort to restructure the water rates to address revenue stability and equity issues. This restructuring has included redefining cost recovery from fixed charges and modification of the residential inclining block rate structure to more accurately reflect current usage patterns and community objectives. The public outreach process included participation in customer focus groups, town halls, and meetings of two Tucson Water rate advisory committees. Additional analyses have included evaluation of water utility revenue requirements, financial plans, cost of service analyses, rate designs, and special research. Some of the special issues that have been addressed include financial policy evaluation, low-income assistance programs, pricing of reclaimed water, and development of wheeling rates. Additionally, annual bond reports have been developed and a new system development charge was implemented.

BRICK TOWNSHIP MUNICIPAL UTILITIES AUTHORITY (NJ)

Mr. Smith served as Project Director for a comprehensive water and wastewater cost of service study (Study) for Brick Township Municipal Utilities Authority (BTMUA). The Study included a 10-year financial planning model that examined historical and projected customer accounts, flows, and operating/capital expenses in order to recommend the appropriate changes for rate structures and charges that are in line with BTMUA's financial goals. This Study focused its analysis and recommendations not only on total revenue recovery of the water and wastewater utilities, but also on the equity in how that revenue is recovered from different customer classes and charge types. A presentation of the final recommendations is scheduled for October 2014.

PIMA COUNTY (AZ)

Mr. Smith has served as the Project Manager on several projects Pima County Regional Wastewater Reclamation Department (PCRWRD). The first of these projects involved assisting the PCRWRD with the development of a long-term capital improvement program designed to allow the County to comply with recent environmental regulations and continued growth in the region. The study identified \$1.4 billion in capital needs over the next 15 years and Raftelis was been charged with assisting the County in the development of a plan to fund this program looking not only at current rates and charges and tax-exempt debt, but also exploring opportunities that may be present through public/ private partnerships including design/build/operate and design/build/operate/finance. Mr. Smith also managed a project on which Raftelis assisted the PCRWRD with the evaluation of alternative project delivery methods for the delivery of a new Water Reclamation Campus. The project involved the development of risk adjusted estimates of the cost of delivering the project under a variety of delivery models including Construction Manager at Risk; Design-Build; Design-Build-Operate; and Design-Build-Finance-Operate. Based on this analysis, PCRWRD decided to deliver the project under the Design-Build-Operate (DBO) model. Raftelis acted as the lead financial consultant for the DBO procurement and was responsible for the analysis of the financial strength of respondents to the RFQ; the development of the DBO pricing structure; and the evaluation of price proposals.

Additionally, Raftelis has prepared the PCRWRD's Financial Plans for fiscal years 2008, 2009 and 2010. Each of these Financial Plans included recommended rate increases that were approved by the County's Board of Supervisors. The 2010 plan included a multi-year rate plan that extends through 2013.

NOVA SCOTIA UTILITY AND REVIEW BOARD (NS, CANADA)

Mr. Smith was the Project Manager for an engagement with the Nova Scotia Utility and Review Board (Board) to review the "return on rate base" methodol-

ogy and provide recommendations for establishing policy for utilities seeking to include this component as part of their revenue requirements. The Board's primary goal for the engagement was the development of a generic formula for determining the appropriate rate of return that utilities could use as they prepared their rate filing. During the course of the engagement, Raftelis realized that the Board was dealing with an issue that went beyond developing a way for utilities to determine an appropriate rate of return. The key issue the Board faced and the issue that led to the need to develop a standardized rate of return formula was the fact that a number of utilities regulated by the Board had accumulated deficits and were attempting to recover funds to offset their deficits through their proposed return on rate base. Therefore, in an effort to help the Board address this issue, Raftelis proposed both a standardized rate of return formula for use by the Board and the utilities, as well as suggested mechanisms by which these accumulated deficits could be addressed. The standardize rate of return formula suggested by Raftelis was ultimately adopted by the Board. Services provided by Raftelis included:

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- Assessment of municipal rate of return methodologies employed by other Canadian provinces and US regulatory commissions;
- Identification of issues and goals to be addressed by a standardized municipal rate of return;
- Cost of capital equations considering risk and the weighting and costs of debt and equity (e.g., buildup method, capital asset pricing model, etc.);
 and
- Suggestion of deficit recovery policies and/or mechanisms for building of reserves.

Raftelis was also recently engaged by the law firm acting as the Consumer Advocate for a rate filing by the Halifax Regional Water Commission (HRWC). For this project, Mr. Smith and Raftelis staff have reviewed and analyzed HRWC's filing and the testimony of other interveners. Mr. Smith also prepared pre-filed testimony and reporting schedules and he testified in person at hearings before the Board. The outcome of this filing is still pending.

TOWN OF BELMONT (MA)

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Mr. Smith served as Project Director for a water and wastewater financial planning and rate study for the Town of Belmont, Massachusetts (Town). Results of the study included a five-year projection of water and sewer rates. The Town's current rate structure included a uniform volumetric charge for both water and sewer, a flat quarterly customer charge for water, and an increasing (by meter size) quarterly customer charge for sewer. The Town had implemented an aggressive capital replacement program, and was interested in implementing the appropriate rates and rate structure to recover these costs. The study examined the implementation of an increasing block rate structure and separate irrigation rate for the water system. In addition, the study looked at changing the flat customer charge (water) to an increasing customer charge similar to the sewer customer charge.

UNITED STATES NAVY

Mr. Smith was a Project Manager for an engagement for which Raftelis served as the water and wastewater lead on a consulting team (Project Team) that assisted NAVFAC Utilities in support of the Utilities Privatization Program, covering all Navy and Marine Corps utility systems designated for privatization. This work, which was performed under two consecutive 5-year task order contracts, included: development of Utilities Privatization (UP) methodology for every program stage; onsite visits to virtually all Navy and Marine Corps installations; creation of Government "status quo" economic positions including "As-Is", "Should" and other business costs; technical and financial evaluation of nearly every water and wastewater system proposal received by NAVFAC Utilities for UP; and the negotiation and development of utility service contracts for all water and wastewater UP offers deemed to be "Best Value".

OTHER RELEVANT PROJECT **EXPERIENCE**

- · City of Chattanooga (TN) Expert Witness Testimony
- Dalton Utilities/Whitfield County (GA) Utility Valuation Study

- BCWA 1-7 ATTACHMENT Town of Dartmouth (MA) Rate Model Development
- City of Dayton (OH) Wholesale Water Rate Study
- Town of Florence (SC) Water and Wastewater Rate Study, Capital Planning Study
- City of Fort Mill (SC) Wholesale Water Rate Study
- City of Goodyear (AZ) Water and Wastewater Rate Study
- · City of Lexington (NC) Water and Wastewater Rate Study
- City of Los Angeles (CA) Litigation Support
- Miller's Pond (CT) Utility Valuation Study
- Montgomery County (OH) Wholesale Water Rate Study
- City of Niagara Falls (NY) Marketing Study
- City of North Myrtle Beach (SC) Water and Wastewater Rate Study
- · City of Peoria (AZ) Water and Wastewater Rate Study
- City of Peoria (IL) Utility Valuation Study
- City of Scottsdale (AZ) Water and Wastewater Rate Study
- · Victor Valley Water District (CA) Water and Wastewater Rate Study
- Wake County (NC) Utility Regionalization Study
- Town of Winthrop (MA) Water and Wastewater Rate Study
- York County (SC) Wholesale Water Rate Study

PUBLICATIONS

- Water and Wastewater Finance and Pricing: The Changing Landscape, Fourth Edition
- Co-Author AWWA Manual M-5 "Water Utility Management"
- National Rural Water Association White Paper "Privatization of Small Water Systems"

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TECHNICAL SPECIALTIES

- » Utility strategic financial planning
- » Cost of Service analysis
- » Water, wastewater, and stormwater rate design
- » Conservation rate design
- » Statistical analysis

PROFESSIONAL HISTORY

» Raftelis Financial Consultants Inc.: Senior Consultant (2016-present); Consultant (2014-2015); Associate Consultant (2012-2013)

EDUCATION

- Master of Public Affairs (Public Finance) - Indiana University (2012)
- Bachelor of Arts in International Relations – Wheaton College (2010)

COLLIN DRAT

LEAD CONSULTANT

Senior Consultant

PROFILE

Mr. Drat has a background in public finance and statistical modeling. Since joining Raftelis, he has had the opportunity to participate in an array of utility financial and rate consulting engagements involving water and wastewater demand analysis, financial planning, cost of service analysis, cost of service review and rate design.

RELEVANT PROJECT EXPERIENCE

CITY OF PROVIDENCE (RI)

Mr. Drat served as the Lead Consultant for the Providence Water Supply Board (PWSB), preparing schedules for the Board's two most recent rate filings (Dk. 4571, Dk. 4406) with the Rhode Island Public Utilities Commission (RIPUC). The filing involves the development of detailed rate year revenue requirements, updating cost of service allocations and rate design. Mr. Drat prepared calculated rates in accordance with PWSB's existing rate structure as well as alternative rates designed to promote water conservation. In addition, Mr. Drat assisted in authoring expert testimony to the RIPUC, prepared responses to data requests and adjusted rate schedules as necessary.

CITY OF LAWRENCE (KS)

Mr. Drat currently serves as Lead Consultant for Raftelis' engagement with the City of Lawrence. A key component of this engagement involves the development of a financial planning, cost of service and rate model, which will be used by the City to set rates on a going forward basis. This has involved a review the City's existing financial planning and rate modeling processes, and incorporating recommended changes into the updated model. One particular area of concentration is the capital financing plan, which and improving the process City staff use to determine annual CIP cash flows.

STRATHCONA COUNTY UTILITIES (AB)

Mr. Drat served as the Lead Consultant for Raftelis' engagement with Strathcona County Utilities (SCU). This engagement involved the development of a comprehensive financial planning model, cost of service analysis and rate design services. This engagement involved a thorough review of the SCU's existing rate modeling practices, the development of an updated rate model and the development of several wastewater rate alternatives to meet the County's objectives. Particular issues addressed by the study were a review of the County's charges

BCWA 1-7 ATTACHMENT for the additional capital expenditures associated

for third party wastewater treatment, an examination of fixed cost recovery, rate consolidation customers with similar service levels and pricing policy recommendations regarding customers with non-continuous wastewater usage (i.e. snowbirds).

te consolidation with new assets constructed by the Brushy Creek Utility Authority, in which the City is a participant. The engagement also involved the preparation of wholesale water and wastewater rates based on the utility basis cost allocation methodology.

CITY OF BLOOMINGTON (IL)

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Mr. Drat currently serves as the Lead Consultant for Raftelis' engagement with the City of Bloomington (City). This engagement involves the development of comprehensive wastewater and stormwater financial plans and planning models for the City's use. The financial plans involve a forecast of water and stormwater revenue, the development of a capital financing plan to fund improvements to the wastewater and stormwater systems and a detailed cash flow analysis for each utility indicating the rate adjustments necessary to ensure operational sustainability. A key component of this engagement will involve modeling the impact on rate adjustments of various levels of capital reinvestment.

CITY OF SAGINAW (MI)

Mr. Drat currently serves as the Lead Consultant for Raftelis' engagement with the City of Saginaw (City). This engagement involves the update of the City's water rate model to establish updated water service rates. A key aspect of this engagement involves the development of water service rates for the City's 20 wholesale customers. This required the development of a five year financial plan and an allocation of O&M, depreciation and return on rate base to each of the City's wholesale customers, based on that customers unique contribution to the City's operating and capital costs.

CITY OF ROUND ROCK (TX)

Mr. Drat served as the Lead Consultant for Raftelis' engagement with the City of Round Rock (City). This engagement involves the development of water and wastewater financial planning, cost of service, rate design services. The project team began the engagement by assessing the rate model currently used by the City, and later produced an updated model to meet the City's needs. A key component of the financial planning process involved planning

CITY OF SUFFOLK (VA)

Mr. Drat currently serves as the Lead Consultant for Raftelis' multi-year engagement with the City of Suffolk (City) to provide financial services to the City's Department of Public Utilities (DPU). The scope of services includes an annual update of the ten-year comprehensive financial plan, determination of water and sewer costs of service, development of proposed water and sewer rates for the upcoming fiscal year, and an assessment of the City's water and sewer system availability fees. In addition, Mr. Drat collaborates with utility staff in the development of an annual comprehensive water and wastewater demand forecast, as part of the annual rate study engagement. Each year the performance of this forecast is evaluated on a monthly basis against the actual billing data received by the City, and calibrated as necessary for the following year.

CITY OF JUNCTION CITY (KS)

Mr. Drat served as the Lead Consultant for Raftelis' engagement with the City of Junction City (City). The scope of work for this engagement involved the development of water and wastewater demand forecasts, comprehensive financial plans and rate design. A key aspect of this engagement involved financial planning and rate design which minimizes the financial impact of the City's relatively large planned capital improvements, while encouraging conservation among the City's customers. Mr. Drat and the project team worked collaboratively with the City's engineering consultant to develop three alternative financial planning scenarios based on various levels of capital expenditures. The recommended financial planning scenario and associated rates were presented before and accepted by the City Commission.

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NAME OF TAXABLE PARTY.

CITY OF FLINT (MI)

Mr. Drat has served as the Lead Consultant for two of Raftelis' engagements with the City of Flint (City). The initial engagement involved the development of comprehensive financial plans, cost of service analyses and water and wastewater rate design. A key component of the analysis involved modeling the impacts of a transition from the City's bulk water purchases from the Detroit Water and Sewerage Department (DWSD) to participation in the Karegnondi Water Authority (KWA). Mr. Drat used operating and capital expenditure data provided by the City to evaluate the incremental expenditures and savings under each scenario. The plan is currently being implemented by the City and is anticipated to produce savings over the alternative of remaining a customer of DWSD. Raftelis was then retained a second time to review the update the water and wastewater financial plans and evaluate each utilities actual performance against the prior projections and against the alternative of remaining a customer of DWSD.

CITY OF TOPEKA (KS)

Mr. Drat served as the Staff Consultant for the City of Topeka's Office of Utilities and Transportation (City). Mr. Drat has assisted in the development of water and wastewater demand forecasts, various alternative financial planning scenarios for the each of the City's utilities, cost of service analyses and rate design alternatives. The rate design services include the development of irrigation rates, readiness to serve charges, conservation rates, and system development charges.

OTHER RELEVANT PROJECT EXPERIENCE

- City of Aztec (NM)—Water, Sewer, and Electric Rate Study
- City of Baltimore (MD)—Stormwater Utility Implementation
- Clarksville Gas and Water (TN)—Natural Gas Rate Study
- Gran Melia (PR)—Utility Rate and Cost of Service
 Review
- City of Marquette and Marquette Township

(MI)—Joint Water Rate Study

- Northwest Water Commission (IL)—Utility System Valuation
- Orangeburg Department of Public Utilities (SC)—Water, Wastewater, Nat. Gas, Electric Rate Study
- Pennichuck East Utility—Water Cost of Service Study
- Regional Water Customers Group (AB)—Wholesale Water Cost of Service Review
- Metropolitan St. Louis Sewer District (MO)—Rate Analysis Support
- Tacoma Public Utilities (WA)—Econometric Water Demand Modeling
- City of Waukesha (WI)—Wholesale Rate Review

TECHNICAL SPECIALTIES

» Financial modeling» Utility rate studies

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PROFESSIONAL HISTORY

- Raftelis Financial
 Consultants, Inc: Associate
 (2016-present)
- City of Bloomington (IN) Utilities: Energy Management Fellow (2014-2016)

EDUCATION

- Master of Public Administration – Indiana University (2016)
- Bachelor of Science in Economics – Truman State University (2014)

JOE COLLINS

STAFF CONSULTANT

Associate Consultant

PROFILE

Mr. Collins has a background in economics, public policy analysis, and municipal finance as well as utility energy management.

RELEVANT PROFESSIONAL EXPERIENCE

CITY OF NORTH KANSAS CITY (MO)

Mr. Collins is currently assisting the development of a utility rate and enhanced financial planning model for North Kansas City, MO. The City is seeking a tool to help evaluate the financial impacts of potential choices concerning future water supply, major water treatment facility renovations, and increased system maintenance costs.

CITY OF PERRYVILLE (MO)

Mr. Collins supports the development of a rate study and financial plan for the City of Perryville, MO. The City is seeking a study to calculate rates sufficient to finance the construction of major wastewater treatment facility renovations and increased system maintenance costs. Mr. Collins has assisted in developing a rate and financial planning model to provide a forecast of rates, revenues, expenses, debt service coverage, and reserves over a 10-year forecast period.

LITTLE BLUE VALLEY SEWER DISTRICT (MO)

In July 2016, Raftelis was engaged by the Little Blue Valley Sewer District to complete a financial feasibility evaluation of proposed revenue bonds. Mr. Collins has evaluated historic and projected revenues, expenses, and debt service for the District and the sewer subdistrict it governs. The project is currently ongoing.

RELEVANT PROFESSIONAL EXPERIENCE

While in graduate school at the Indiana University School of Public and Environmental Affairs, Mr. Collins served as a Service Corps Fellow for the City of Bloomington Utilities Department. There he worked on a variety projects related to energy management and financial planning, including a life-cycle analysis of the financial costs and environment impact of the water and wastewater treatment processes used by Bloomington Utilities. He also conducted an analysis of the effects of various fees and charges that could be implemented by the department and assisted in developing feasibility models for energy efficiency projects at treatment plants and created a database system for efficiently tracking energy use data. Other responsibilities included regular analysis of energy costs and uses for monthly management meetings.

In his time at Indiana University, Mr. Collins also worked as a consultant on a project for the city of Noblesville, IN concerning community perceptions of economic development policies. The project's focus included developer and citizen relationships with the utilities and public works departments regarding property taxes, stormwater fees, and system development charges. His team's work led to a series of recommendations to Noblesville officials related to streamlining processes and improving transparency related to fees charged by the city.

Providence Water Docket 4994

Bristol County Water Authority
Data Request – Set 1
January 28, 2020

BCWA 1-8: Please provide all facts, documents, and assumptions upon which Providence bases its assumption that property taxes will increase by the 4% maximum statutory tax increase as set forth in HJS-9.

RESPONSE: Providence Water applied the maximum levy of 4% because property tax increases for the various cities and towns were unknown at the time the increase in the filing was prepared. Providence Water will adjust property taxes to actual, as stated on pg. 13 of Harold Smith's pre-filed testimony.

Mary L. Deignan-White 2/8/2020

Providence Water Docket 4994

Bristol County Water Authority
Data Request – Set 1
January 28, 2020

BCWA 1-9: For each of the communities or entities to which Providence pays taxes on Schedule HJS-9 please provide a schedule that shows the amount of taxes paid to each of these communities in Fiscal Year 2015 and 2016.

RESPONSE: Please see the attached schedule for property taxes paid in Fiscal Year 2015 and 2016.

Mary L. Deignan-White 2/8/2020

PROVIDENCE WATER Property Taxes FY 2015 - FY 2016

| Operations 601 | Town/City | FYE 6/30/2015 | FYE 6/30/2016 |
|------------------|----------------------|---------------|---------------|
| 52245-0001 | North Providence | 295,574 | 297,224 |
| 52245-0002 | Glocester | 57,532 | 60,222 |
| 52245-0003 | West Glocester Fire | 3,708 | 3,708 |
| 52245-0004 | Harmony Fire Dist. | 170 | 175 |
| 52245-0005 | Chepachet Fire Dist. | 134 | 134 |
| 52245-0006 | Scituate | 5,654,737 | 5,706,534 |
| 52245-0007 | Johnston | 94,907 | 95,699 |
| 52245-0009 | Foster | 317,863 | 271,567 |
| 52245-0010 | Cranston | 112,320 | 115,410 |
| 52245-0011 | West Warwick | <u>3,784</u> | 3,865 |
| Total Property T | Taxes Operations | \$ 6,540,728 | \$ 6,554,538 |

Providence Water Docket 4994

Bristol County Water Authority
Data Request – Set 1
January 28, 2020

BCWA 1-10: With regard to Schedule HJS-10a:

- a. Please explain why interest earnings decrease to \$20,000 in FY21, 22 and 23, and provide all supporting calculations.
- b. Please identify each of the cash funded projects and their amounts for FY19 and FY20.
- c. Please provide a schedule that shows Providence's actual expenditures on cash funded projects from this fund for FY2015, 2016, 2017 and 2018.

RESPONSE:

- a. Interest earnings are estimates. It is difficult to calculate expected earnings because the investment account is invested in a portfolio of many individual investment vehicles with varying interest rates and lengths of maturity. These earnings are expected to decrease over earnings in previous years because the balance in the investment account generating the interest income is expected to decrease. The reason for this is that the funds in the investment account are expected to be used to pay for the debt service due on the outstanding bonds in FY2021 and beyond.
- b. See attached Exhibit BCWA 1-10bc.
- c. See attached Exhibit BCWA 1-10bc.

Providence Water - BCWA 1-10BC Capital Expenditure Plan

| Capital Expenditure Plan Fiscal Years 2016 through 2025 | Total <u>Amount</u> | Actual <u>2015</u> | Actual <u>2016</u> | Actual <u>2017</u> | Actual <u>2018</u> | Actual <u>2019</u> | Budget 2020 | Budget <u>2021</u> | Budget <u>2022</u> | Budget <u>2023</u> | Budget <u>2024</u> | Budget <u>2025</u> | |
|--|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| Raw Water Transmission Supply Feasibility Assessment | 100,000 | 0 | 0 | 0 | 0 | 0 | 100,000 | | | | | | |
| Renewable Energy Feasability Study | 1,359,079 | 0 | 0 | 144,312 | 1,066,903 | 47,865 | 100,000 | | | | | | |
| GIS System (Asset Management System) | 2,066,181 | 31,576 | 19,291 | 578,192 | 824,095 | 463,026 | 150,000 | | | | | | |
| Computer / IT equipment - Virtualization | 1,715,102 | 0 | 0 | 209,766 | 1,065,314 | 440,023 | 0 | | | | | | |
| UDF Program development | 720,085 | 285,269 | 192,172 | 242,645 | 0 | 0 | 0 | | | | | | |
| Orthophosphate - Storage/transfer/Feed System | 3,668,365 | 0 | 0 | 0 | 36,000 | 132,365 | 3,500,000 | | | | | | |
| Water Main tie-ins | 205,831 | 0 | 0 | 129,484 | 76,347 | 0 | 0 | | | | | | |
| Cyber Security | 450,000 | 0 | 0 | 0 | 0 | 210,988 | 239,012 | | | | | | |
| Security Improvements treatment plant | 1,472,842 | 6,505 | 15,902 | 81,830 | 1,185,934 | 182,671 | 0 | | | | | | |
| Treatment Plant - on-site waste treatment system | 120,001 | 0 | 120,001 | 0 | 0 | 0 | 0 | | | | | | |
| Installation of new fencing | 173,413 | 29,302 | 0 | 33,611 | 110,500 | 0 | 0 | | | | | | |
| 125 Dupont Drive - Non Bond | 1,168,668 | 324,095 | -113,266 | 804,192 | 153,646 | 0 | 0 | | | | | | |
| 125 Dupont Drive - Construction/Remodel Bond | 27,659,079 | 0 | 11,165,975 | 11,613,672 | 4,879,432 | 0 | 0 | | | | | | |
| Johnston Distribution System Improvements | 399,436 | 0 | 0 | 31,292 | 285,804 | 82,339 | 0 | | | | | | |
| DeChlorination System at the Lagoons | 389,101 | 296,864 | 0 | 86,858 | 5,380 | 0 | 0 | | | | | | |
| Security Equipment CCTV\Card Readers | 30,508 | 0 | 0 | 0 | 30,508 | 0 | 0 | | | | | | |
| East Smithfield Acquisition | 139,655 | 0 | 0 | 24,590 | 115,065 | 0 | 0 | | | | | | |
| TOTAL PROJECTS | 41,837,347 | 973,610 | 11,400,076 | 13,980,444 | 9,834,929 | 1,559,276 | 4,089,012 | 0 | 0 | | 0 0 | 0 | |

NOTE: 125 Dupont Drive - Construction/Remodel is the only bonded project. All other projects are cash funded.