

| PAC Proforma Test Year 2019 | | | | | |
|---|-----------|---|--|--------------------------------------|--------------------------------------|
| Proformed Revenue Requirement ^{1,2} - \$ | | | | | 865,590 |
| | CBFRR | Material Operating Expense Revenue Requirement, inclusive of MOEF | Operating Expense Revenue Requirement ⁶ | 1.0 Debt Service Revenue Requirement | 0.1 Debt Service Revenue Requirement |
| | | | | | |
| Percentage of Revenues - | 17.04% | 73.30% | 1.04% | 7.84% | 0.78% |
| Years coverage - | 13,263 | 166,468 | | 6,707 | |
| Requested Rate Stabilization Fund by Revenue Category with no MOEF ^{3,4} - | \$ 13,000 | \$ 166,000 | No Stabilization Fund | \$ 7,000 | No Stabilization Fund |
| Requested Rate Stabilization Fund with MOEF - | \$ 13,000 | \$ 80,000 | | \$ 7,000 | |
| Based on largest negative variance from five year ave of - | 6.42% | | | | |

Increase in Material Operating Expenses of

3.00% per year based on average increase of these expenses per year between 2015 and 2019. See Table below for calculation

Requested MOEF - 6.00%
Rate increase @ requested MOEF - 11.18%
Annual MOEF Cash - 35,912
Requested RSF funds with MOEF - \$ 186,000
Requested RSF funds with no MOEF - \$ 100,000

| | 2015 PAC Billed Revenue | 2016 PAC Billed Revenue | 2017 PAC Billed Revenue | 2018 PAC Billed Revenue | 2019 PAC Billed Revenue |
|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Total Volumetric Charges | \$ 340,641 | \$ 375,283 | \$ 368,712 | \$ 368,777 | \$ 358,687 |
| Total Meter Charges | \$ 210,961 | \$ 210,283 | \$ 212,466 | \$ 211,513 | \$ 211,560 |
| Total Fire Protection - Public & Private (fixed) | \$ 200,317 | \$ 200,363 | \$ 204,787 | \$ 204,871 | \$ 204,871 |
| Total Billed Revenue | \$ 751,919 | \$ 785,928 | \$ 785,965 | \$ 785,161 | \$ 775,118 |
| % of Revenues that are variable | 45.3% | 47.8% | 46.9% | 47.0% | 46.3% |
| % of Revenues that are fixed | 54.7% | 52.2% | 53.1% | 53.0% | 53.7% |

| Calculation of MOER RSF, based on increase in MOE's over the past 5 years | | |
|---|------------------------------|-------------------|
| | Increased Operating Expenses | Revenue Shortfall |
| Yr 1 - | \$ 17,891 | \$ 18,986 |
| Yr 2 - | \$ 36,320 | \$ 18,986 |
| Yr 3 - | \$ 55,301 | \$ 18,986 |
| | \$ 109,512 | \$ 56,957 |
| | Totals - \$ | 166,468 |

Average percentage of revenues that were variable during the previous 5 years - 46.6%

| Expense Type | 2015 PEU Actual Variable Expenses | 2016 PEU Actual Variable Expenses | 2017 PEU Actual Variable Expenses | 2018 PEU Actual Variable Expenses | 2019 PEU Actual Variable Expenses |
|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Electric | \$ 5,121 | \$ 4,532 | \$ 5,013 | \$ 5,157 | \$ 8,032 |
| Chemicals | \$ 5,081 | \$ 6,461 | \$ 7,931 | \$ 7,025 | \$ 5,382 |
| Total Variable Costs | \$ 10,202 | \$ 10,993 | \$ 12,944 | \$ 12,182 | \$ 13,414 |
| Variable Expenses as a Percent of Total Revenues | 1.4% | 1.4% | 1.6% | 1.6% | 1.7% |

| | 2015 Actual CCF's sold by PAC | 2016 Actual CCF's sold by PAC | 2017 Actual CCF's sold by PAC | 2018 Actual CCF's sold by PAC | 2019 Actual CCF's sold by PAC |
|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Annual Metered Sales (CCF) | 52,620 | 58,012 | 57,018 | 57,011 | 55,342 |
| Percentage Variance between Current and High Consumption Year | -10.25% | 0.00% | -1.74% | -1.76% | -4.82% |
| Average Consumption (CCF) over the past five years | 56,001 | | | | |
| Variance between current and 5 Yr Ave Consumption | -6.42% | 3.47% | 1.78% | 1.77% | -1.19% |

Largest percentage reduction in volumetric sales at PAC of 6.42% over the past five years from the five year average of volumetric sales
Results in a Revenue loss of \$ 23,044
Results in an Operating Expense reduction of \$ 862
Results in an Operating Income reduction of \$ 22,182

Calculation of Annual Material Operating Expense Adjustment Percentage

| | 2015 PAC Material Operating Expenses | 2016 PAC Material Operating Expenses | 2017 PAC Material Operating Expenses | 2018 PAC Material Operating Expenses | 2019 PAC Material Operating Expenses | Increase in Operating Expense over the past four years | Average annual increase in Operating Expenses over the past four years | Increase in Operating Expense between 2018 and 2019 |
|---|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--|--|---|
| Production Expenses | \$ 79,277 | \$ 89,625 | \$ 116,764 | \$ 128,290 | \$ 131,316 | 65.6% | 13.45% | 2.36% |
| Transmission & Distribution Expenses | \$ 64,630 | \$ 70,985 | \$ 82,996 | \$ 73,811 | \$ 61,179 | -5.3% | -1.36% | -17.11% |
| Customer Acct & Collection Exp | \$ 13,846 | \$ 14,814 | \$ 18,126 | \$ 12,552 | \$ 15,594 | 12.6% | 3.02% | 24.24% |
| Administrative & General Expense | \$ 31,900 | \$ 17,877 | \$ 19,654 | \$ 23,978 | \$ 26,789 | -16.0% | -4.27% | 11.72% |
| Inter Div Management Fee | \$ 133,199 | \$ 157,305 | \$ 172,080 | \$ 183,320 | \$ 174,177 | 30.8% | 6.94% | -4.99% |
| Amortization Expense | \$ 3,583 | \$ 3,161 | \$ 3,088 | \$ 3,088 | \$ 3,086 | -13.9% | -3.66% | -0.06% |
| Property Taxes | \$ 161,883 | \$ 238,923 | \$ 211,656 | \$ 210,064 | \$ 188,950 | 16.7% | 3.94% | -10.05% |
| Total Annual MOERR Expenses | \$ 488,318 | \$ 592,690 | \$ 624,364 | \$ 635,103 | \$ 601,091 | 23.1% | 5.33% | -5.36% |
| Less change in variable expenses over prior year | \$ 10,202 | \$ 10,993 | \$ 12,944 | \$ 12,182 | \$ 13,414 | 31.5% | 7.08% | 10.11% |
| Total Annual MOERR Expenses less variable expenses | \$ 478,116 | \$ 581,697 | \$ 611,420 | \$ 622,921 | \$ 587,677 | 22.9% | 5.29% | -5.66% |
| Total Percentage Increase in Fixed Material Operating Expenses over the past four years - | | | | | | | 22.92% | |
| Average annual increase in Material Operating expenses over the past four years - | | | | | | | 5.29% | |
| Average annual increase in Material Operating expenses over the past three years - | | | | | | | 0.34% | |

Notes:

- Based on Debt Service Multiplier of 1.10 per Sch A of 1604.06 schedules.
- Revenue requirements per Sch A of 1604.06 schedules
- Requested Rate Stabilization fund for Operating Expense and P & I Coverage each have a contingency of 0%
- PAC share of the \$5,000,000 RSF for distribution to the RSF, MOERSF and the P&IRSF is 2.11%
- Calculation of RSF Percentage based on Revenue requirements from DW13-126, 13-128 and 13-130
- For Calculation of Operating Expense Requirement see DLW Exhibit 1.1

based on % of PAC revenues (2012 Case) to % of all three regulated utilities revenues (2012 TY Cases) or \$ 100,000
PWW Revenue Requirement - \$ 27,689,214 per DW13-130 Settlement Agreement
PEU Revenue Requirement - \$ 6,913,261 per DW13-126 Settlement Agreement
PAC Revenue Requirement - \$ 745,188 per DW13-128 Settlement Agreement
Total Utility Revenue Requirement - \$ 35,347,661

Pittsfield Aqueduct Company
 Non Material Operating Expenses as defined in DW17-128
 For the Twelve Months Ended December 31, 2019

DLW Exhibit 1.1

| | | January | February | March | April | May | June | July | August | Septembe | October | Novembe | December | | 2019 Totals | |
|--|--------------------------|---------|----------|-------|-------|------|------|-------|--------|----------|---------|---------|----------|--------------------|-------------|------|
| 921002 921002 | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A |
| 921003 921003 | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A |
| 921004 921004 | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A |
| 923000 923000 | OUTSIDE SERVICES | - | - | - | 1 | - | - | 8,971 | - | - | - | - | - | 8,972.36 | 8,972.36 | |
| 926001 926001 | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A |
| 926500 926500 | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A |
| 926501 926501 | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A |
| 926502 926502 | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A |
| 926505 926505 | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A |
| 926600 926600 | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A |
| 926610 926610 | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A |
| 930100 930100 | #N/A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 930101 930101 | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A |
| 930200 930200 | PUBLIC RELATIONS | - | - | - | - | - | - | - | - | - | - | - | 20 | 20.18 | 20.18 | |
| 930300 930300 | MEALS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 930410 930410 | CHARITABLE CONTRIBUTIONS | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Total of Non RSF backed O&M Expenses- | | | | | | | | | | | | | | \$ 8,992.54 | | |