

**EXHIBIT NO. ___(RJR-23)
DOCKETS UE-17___/UG-17___
2017 PSE GENERAL RATE CASE
WITNESS: RONALD J. ROBERTS**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

Docket UE-17___

Docket UG-17___

**TWENTY-SECOND EXHIBIT (NONCONFIDENTIAL) TO THE
PREFILED DIRECT TESTIMONY OF**

RONALD J. ROBERTS

ON BEHALF OF PUGET SOUND ENERGY

JANUARY 13, 2017

**Total Projected Decommissioning and Demolition Costs and CCR Plan Costs
Colstrip Units 1 & 2**

| | A | B | C | D | E |
|----|--------------|---|---|--|--|
| | Year | Projected Total Decommissioning & Demolition Costs (in 2016 Dollars) | Projected Total Decommissioning & Demolition Costs (in Real Dollars) | Projected Total CCR Plan Costs (in 2016 Dollars) | Projected Total CCR Plan Costs (in Real Dollars) |
| 1 | 2016 | \$0 | \$0 | \$4,860,000 | \$4,860,000 |
| 2 | 2017 | \$0 | \$0 | \$720,000 | \$738,000 |
| 3 | 2018 | \$0 | \$0 | \$870,000 | \$914,044 |
| 4 | 2019 | \$0 | \$0 | \$4,300,000 | \$4,630,630 |
| 5 | 2020 | \$0 | \$0 | \$16,438,000 | \$18,144,476 |
| 6 | 2021 | \$0 | \$0 | \$14,258,800 | \$16,132,523 |
| 7 | 2022 | \$0 | \$0 | \$23,806,800 | \$27,608,589 |
| 8 | 2023 | \$293,353 | \$348,705 | \$12,792,492 | \$15,206,253 |
| 9 | 2024 | \$0 | \$0 | \$4,218,292 | \$5,139,579 |
| 10 | 2025 | \$0 | \$0 | \$4,218,292 | \$5,268,069 |
| 11 | 2026 | \$0 | \$0 | \$4,218,292 | \$5,399,770 |
| 12 | 2027 | \$0 | \$0 | \$3,229,980 | \$4,238,014 |
| 13 | 2028 | \$0 | \$0 | \$3,229,980 | \$4,343,964 |
| 14 | 2029 | \$0 | \$0 | \$2,703,170 | \$3,726,350 |
| 15 | 2030 | \$0 | \$0 | \$2,703,170 | \$3,819,508 |
| 16 | 2031 | \$0 | \$0 | \$2,703,170 | \$3,914,996 |
| 17 | 2032 | \$0 | \$0 | \$2,703,170 | \$4,012,871 |
| 18 | 2033 | \$0 | \$0 | \$2,703,170 | \$4,113,193 |
| 19 | 2034 | \$0 | \$0 | \$2,703,170 | \$4,216,023 |
| 20 | 2035 | \$8,158,790 | \$13,043,051 | \$2,703,170 | \$4,321,423 |
| 21 | 2036 | \$0 | \$0 | \$2,703,170 | \$4,429,459 |
| 22 | 2037 | \$0 | \$0 | \$2,703,170 | \$4,540,195 |
| 23 | 2038 | \$0 | \$0 | \$2,703,170 | \$4,653,700 |
| 24 | 2039 | \$0 | \$0 | \$2,438,348 | \$4,302,735 |
| 25 | 2040 | \$0 | \$0 | \$2,438,348 | \$4,410,303 |
| 26 | 2041 | \$0 | \$0 | \$2,438,348 | \$4,520,561 |
| 27 | 2042 | \$0 | \$0 | \$2,438,348 | \$4,633,575 |
| 28 | 2043 | \$0 | \$0 | \$2,438,348 | \$4,749,414 |
| 29 | 2044 | \$0 | \$0 | \$2,438,348 | \$4,868,150 |
| 30 | 2045 | \$0 | \$0 | \$2,438,348 | \$4,989,853 |
| 31 | 2046 | \$0 | \$0 | \$2,438,348 | \$5,114,600 |
| 32 | 2047 | \$0 | \$0 | \$2,438,348 | \$5,242,465 |
| 33 | 2048 | \$0 | \$0 | \$2,438,348 | \$5,373,526 |
| 34 | 2049 | \$0 | \$0 | \$470,600 | \$1,063,015 |
| 35 | 2050 | \$0 | \$0 | \$470,600 | \$1,089,591 |
| 36 | 2051 | \$0 | \$0 | \$470,600 | \$1,116,830 |
| 37 | 2052 | \$0 | \$0 | \$0 | \$0 |
| 38 | TOTAL | \$8,452,143 | \$13,391,756 | \$149,987,908 | \$205,846,248 |

**PSE's Projected Share of Decommissioning and Demolition Costs and CCR Plan Costs
Colstrip Units 1 & 2**

| | A | B | C | D | E |
|----|--------------|---|---|--|--|
| | Year | PSE's Projected Share of Decommissioning & Demolition Costs (in 2016 Dollars) | PSE's Projected Share of Decommissioning & Demolition Costs (in Real Dollars) | PSE's Projected Share of CCR Plan Costs (in 2016 Dollars) | PSE's Projected Share of CCR Plan Costs (in Real Dollars) |
| 1 | 2016 | \$0 | \$0 | \$2,430,000 | \$2,430,000 |
| 2 | 2017 | \$0 | \$0 | \$360,000 | \$369,000 |
| 3 | 2018 | \$0 | \$0 | \$435,000 | \$457,022 |
| 4 | 2019 | \$0 | \$0 | \$2,150,000 | \$2,315,315 |
| 5 | 2020 | \$0 | \$0 | \$8,219,000 | \$9,072,238 |
| 6 | 2021 | \$0 | \$0 | \$7,129,400 | \$8,066,262 |
| 7 | 2022 | \$0 | \$0 | \$11,903,400 | \$13,804,295 |
| 8 | 2023 | \$146,677 | \$174,352 | \$6,396,246 | \$7,603,126 |
| 9 | 2024 | \$0 | \$0 | \$2,109,146 | \$2,569,790 |
| 10 | 2025 | \$0 | \$0 | \$2,109,146 | \$2,634,034 |
| 11 | 2026 | \$0 | \$0 | \$2,109,146 | \$2,699,885 |
| 12 | 2027 | \$0 | \$0 | \$1,614,990 | \$2,119,007 |
| 13 | 2028 | \$0 | \$0 | \$1,614,990 | \$2,171,982 |
| 14 | 2029 | \$0 | \$0 | \$1,351,585 | \$1,863,175 |
| 15 | 2030 | \$0 | \$0 | \$1,351,585 | \$1,909,754 |
| 16 | 2031 | \$0 | \$0 | \$1,351,585 | \$1,957,498 |
| 17 | 2032 | \$0 | \$0 | \$1,351,585 | \$2,006,436 |
| 18 | 2033 | \$0 | \$0 | \$1,351,585 | \$2,056,596 |
| 19 | 2034 | \$0 | \$0 | \$1,351,585 | \$2,108,011 |
| 20 | 2035 | \$4,079,395 | \$6,521,526 | \$1,351,585 | \$2,160,712 |
| 21 | 2036 | \$0 | \$0 | \$1,351,585 | \$2,214,729 |
| 22 | 2037 | \$0 | \$0 | \$1,351,585 | \$2,270,098 |
| 23 | 2038 | \$0 | \$0 | \$1,351,585 | \$2,326,850 |
| 24 | 2039 | \$0 | \$0 | \$1,219,174 | \$2,151,367 |
| 25 | 2040 | \$0 | \$0 | \$1,219,174 | \$2,205,152 |
| 26 | 2041 | \$0 | \$0 | \$1,219,174 | \$2,260,280 |
| 27 | 2042 | \$0 | \$0 | \$1,219,174 | \$2,316,787 |
| 28 | 2043 | \$0 | \$0 | \$1,219,174 | \$2,374,707 |
| 29 | 2044 | \$0 | \$0 | \$1,219,174 | \$2,434,075 |
| 30 | 2045 | \$0 | \$0 | \$1,219,174 | \$2,494,927 |
| 31 | 2046 | \$0 | \$0 | \$1,219,174 | \$2,557,300 |
| 32 | 2047 | \$0 | \$0 | \$1,219,174 | \$2,621,232 |
| 33 | 2048 | \$0 | \$0 | \$1,219,174 | \$2,686,763 |
| 34 | 2049 | \$0 | \$0 | \$235,300 | \$531,508 |
| 35 | 2050 | \$0 | \$0 | \$235,300 | \$544,795 |
| 36 | 2051 | \$0 | \$0 | \$235,300 | \$558,415 |
| 37 | 2052 | \$0 | \$0 | \$0 | \$0 |
| 38 | TOTAL | \$4,226,072 | \$6,695,878 | \$74,993,954 | \$102,923,124 |