

BP-14 Final Rate Proposal

Transmission Segmentation Study Documentation

BP-14-FS-BPA-06A

July 2013



Table 1
BPA Investment Summary, through Sept. 30, 2012
(\$000)

| A | B | C | D | E |
|--|-------------------------|--------------------------|-----------------------|--------------------------|
| <u>Category</u> | <u>Total</u> | <u>Funded in Advance</u> | <u>PFIA Stations</u> | <u>PFIA Lines</u> |
| 2 TRANSMISSION PLANT IN SERVICE | 5,608,444 | 126,129 | 69,711 | 51,777 |
| 3 MASTER LEASE | 257,501 | | | |
| 4 LEASED ASSETS | 101,800 | | | |
| 5 CAPITAL LEASES | 43,612 | | | |
| 6 EMERGENCY MINIMUM STOCK | 11,896 | | | |
| 7 INTANGIBLES | 9,559 | | | |
| 8 FEE LAND IN SERVICE | 129,955 | | <u>Land Stations</u> | <u>Land Lines</u> |
| 9 DEPRECIABLE FEE LAND | 48,309 | 107 | 14,434 | 105,166 |
| 10 GENERAL PLANT IN SERVICE | 888,152 | 42,777 | 415 | 47,419 |
| 11 Corporate Plant in Service | 113,222 | | | <u>Dep Land GPlant</u> |
| 12 PS Plant in Service | 20,932 | | | 368 |
| 13 Accounting | 0 | | | |
| 14 Grand Total | <u>7,233,382</u> | <u>169,013</u> | | |
| 15 <u>Transmission Plant</u> | | <u>Segmented</u> | <u>Unsegmented</u> | <u>Ancillary Service</u> |
| 16 Substations | 2,912,157 | | | |
| 17 Metering Locations | 14,057 | | | |
| 18 Total Stations | <u>2,926,214</u> | 2,912,591 | 13,623 | |
| 19 Total Lines | <u>2,779,880</u> | 2,761,976 | 17,903 | |
| 20 Other Transmission Plant | 98,540 | | 98,540 | |
| 21 Emergency minimum stock | 11,896 | | 11,896 | |
| 22 Intangibles | 9,559 | 9,559 | | |
| 23 Communication Equipment (397) | 2,740 | | 2,444 | 296 |
| 24 Control Equipment (353.1, 391.2, 391.3) | 77,855 | | | 77,855 |
| 25 TPLNT (inc Leases) less PFIA | <u>5,906,682</u> | <u>5,684,126</u> | <u>144,406</u> | <u>78,151</u> |
| 26 <u>General Plant</u> | | | | |
| 27 Communication Equipment (397) | 433,649 | | 390,727 | 42,922 |
| 28 Control Equipment (353.1, 391.2, 391.3) | 42,744 | | | 42,744 |
| 29 Other General Plant | 368,982 | | 368,982 | |
| 30 GPLNT less PFIA | <u>845,375</u> | | <u>759,709</u> | <u>85,666</u> |
| 31 <u>Subtotals</u> | | | | |
| 32 Communication Equipment (397) | 436,389 | | 393,171 | 43,218 |
| 33 Control Equipment (353.1, 391.2, 391.3) | 120,599 | | | 120,599 |
| 34 Total (incl. Dep Land GPlant) | | | <u>762,522</u> | <u>163,817</u> |

BPA Plant Investment
as of September 30, 2012 \$7,233,382
(\$000)

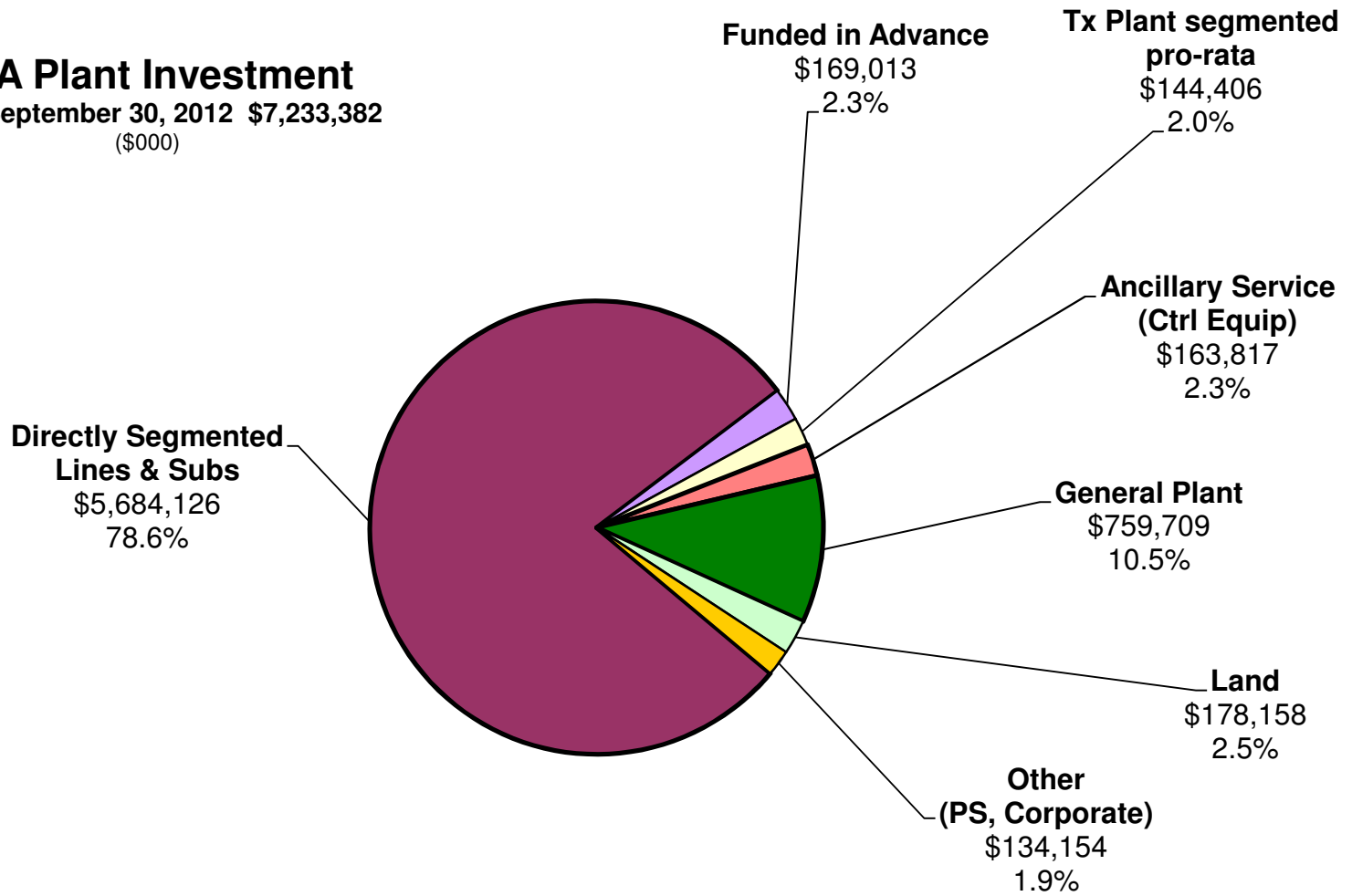


Table 2
BPA Segmented Gross Investment, through Sept. 30, 2012
(\$000)

| A | B | C | D | E | F | G | H | I | |
|----|---------------------------------------|----------------|------------------|-----------------|-----------------|---------------------|------------------|------------------|----------------|
| | Generation | Network | Southern | Eastern | Utility | DSI Delivery | Segmented | Un- | |
| | Integration | Network | Intertie | Intertie | Delivery | | Total | segmented | |
| 1 | Substations | 58,578 | 2,182,567 | 591,757 | 24,226 | 29,254 | 26,210 | 2,912,591 | 13,623 |
| 2 | Other Facilities | | | | | | | | 98,540 |
| 3 | Emergency Stock | | | | | | | | 11,896 |
| 4 | Unseg.Allocation | 2,495 | 92,964 | 25,205 | 1,032 | 1,246 | 1,116 | 124,058 | (124,058) |
| 5 | Subtotal | 61,074 | 2,275,531 | 616,962 | 25,258 | 30,500 | 27,326 | 3,036,649 | - |
| 6 | FERC Account Summary | | | | | | | | |
| 7 | Account 352 | | | | | | 297,830 | | |
| 8 | Account 353 | | | | | | 2,728,948 | | |
| 9 | Account 354 | | | | | | 3,630 | | |
| 10 | Account 355 | | | | | | 1,072 | | |
| 11 | Account 356 | | | | | | 3,742 | | |
| 12 | Account 358 | | | | | | 9 | | |
| 13 | Account 359 | | | | | | 782 | | |
| 14 | Account 390 | | | | | | 84 | | |
| 15 | Account 391 | | | | | | 484 | | |
| 16 | Leased (no account) | | | | | | 67 | | |
| 17 | Substation total | | | | | | 3,036,649 | | |
| 18 | Lines | 18,537 | 2,451,140 | 197,981 | 94,271 | 47 | - | 2,761,976 | 17,903 |
| 19 | Unseg.Allocation | 120 | 15,889 | 1,283 | 611 | 0 | - | 17,903 | (17,903) |
| 20 | Subtotal | 18,657 | 2,467,028 | 199,264 | 94,882 | 48 | - | 2,779,880 | - |
| 21 | FERC Account Summary | | | | | | | | |
| 22 | Account 352 | | | | | | 1,473 | | |
| 23 | Account 353 | | | | | | 22,080 | | |
| 24 | Account 354 | | | | | | 1,084,626 | | |
| 25 | Account 355 | | | | | | 288,057 | | |
| 26 | Account 356 | | | | | | 1,147,417 | | |
| 27 | Account 358 | | | | | | 21,807 | | |
| 28 | Account 359 | | | | | | 152,583 | | |
| 29 | Leased (no account) | | | | | | 61,838 | | |
| 30 | Line total | | | | | | 2,779,880 | | |
| 31 | Intangibles (Account 303) | | 4,014 | 5,545 | | | | 9,559 | |
| 32 | Lines & Subs Total | 79,731 | 4,746,573 | 821,770 | 120,140 | 30,547 | 27,326 | 5,826,088 | - |
| 33 | % of Segmented Total | 1.4% | 81.5% | 14.1% | 2.1% | 0.5% | 0.5% | 100.0% | |
| 34 | Depreciable Land (Account 350) | | | | | | | | |
| 35 | Substations | - | 27 | - | - | - | - | 27 | |
| 36 | Lines | 61 | 47,179 | - | - | - | - | 47,239 | 180 |
| 37 | Other Facilities | | | | | | | | 388 |
| 38 | Unseg.Allocation | 8 | 462 | 80 | 12 | 3 | 3 | 568 | (568) |
| 39 | Subtotal | 69 | 47,668 | 80 | 12 | 3 | 3 | 47,834 | - |
| 40 | Other | | | | | | Ancillary | General | |
| 41 | Control | | | | | | Services | Plant | |
| 42 | Communications | | | | | | 120,599 | | |
| 43 | General Plant | | | | | | 43,218 | 393,171 | |
| 44 | Depr. Land (G. Plant) | | | | | | | 368,982 | |
| 45 | Subtotal | | | | | | 163,817 | 762,522 | |
| 46 | FERC Account Summary | | | | | | | | |
| 47 | Account 352 | | | | | | | | 44 |
| 48 | Account 353 | | | | | | 77,855 | | (5) |
| 49 | Account 356 | | | | | | | | (2) |
| 50 | Account 389 | | | | | | | | 368 |
| 51 | Account 390 | | | | | | | | 193,934 |
| 52 | Account 391 | | | | | | 42,744 | | 1,663 |
| 53 | Account 392 | | | | | | | | 72,875 |
| 54 | Account 393 | | | | | | | | 607 |
| 55 | Account 394 | | | | | | | | 9,187 |
| 56 | Account 395 | | | | | | | | 26,687 |
| 57 | Account 396 | | | | | | | | 28,806 |
| 58 | Account 397 | | | | | | 43,218 | | 393,171 |
| 59 | Account 398 | | | | | | | | 35,187 |
| 60 | Other total | | | | | | 163,817 | 762,522 | |
| 61 | Segmented Investment | 79,799 | 4,794,241 | 821,851 | 120,152 | 30,550 | 27,329 | 163,817 | 762,522 |

Table 3
Future Plant in Service Summary
(\$000)

| A | B | C | D | E | F | G | H |
|---------------------------|---|-------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|---------------------|--------------|
| | <u>Generation</u> <u>Integration</u> | <u>Network</u> | <u>Southern</u> <u>Intertie</u> | <u>Eastern</u> <u>Intertie</u> | <u>Utility</u> <u>Delivery</u> | <u>DSI Delivery</u> | <u>Total</u> |
| 1 Stations | | | | | | | |
| 2 FY 2013 | - | 152,708 | 10,929 | - | 558 | - | 164,195 |
| 3 FY 2014 | - | 263,432 | 11,140 | - | 439 | - | 275,011 |
| 4 FY 2015 | - | 226,945 | 12,271 | - | 438 | - | 239,654 |
| 5 Lines | | | | | | | |
| 6 FY 2013 | - | 88,172 | 2,079 | - | - | - | 90,251 |
| 7 FY 2014 | - | 96,471 | 12,968 | - | - | - | 109,439 |
| 8 FY 2015 | - | 224,656 | 3,056 | - | - | - | 227,712 |
| 9 Lines & Subs | | | | | | | |
| 10 FY 2013 | - | 240,880 | 13,008 | - | 558 | - | 254,446 |
| 11 FY 2014 | - | 359,903 | 24,108 | - | 439 | - | 384,451 |
| 12 FY 2015 | - | 451,601 | 15,327 | - | 438 | - | 467,366 |
| 13 Other | | | | | | | |
| | | <u>Ancillary</u> <u>Services</u> | <u>General</u> <u>Plant</u> | | | | |
| 14 FY 2013 | | 7,831 | 67,822 | | | | |
| 15 FY 2014 | | 27,108 | 62,441 | | | | |
| 16 FY 2015 | | 11,683 | 118,788 | | | | |

Table 4
BPA Historical Operations and Maintenance (O&M), Fiscal years 2010 through 2012
(\$000)

| A | B | C | D | E | F | G | H | I |
|---------------------------|-----------------------------------|----------------|------------------------------|-----------------------------|-----------------------------|---------------------|-------------------------------|--------------------------|
| | <u>Generation Integration</u> | <u>Network</u> | <u>Southern Intertie</u> | <u>Eastern Intertie</u> | <u>Utility Delivery</u> | <u>DSI Delivery</u> | <u>Total</u> | <u>Un- segmented</u> |
| 1 Stations | 2,538 | 85,248 | 16,305 | 531 | 1,854 | 985 | 107,460 | 16,899 |
| 2 Unseg.Allocation | 399 | 13,406 | 2,564 | 84 | 292 | 155 | 16,899 | (16,899) |
| 3 Subtotal | 2,937 | 98,654 | 18,869 | 615 | 2,145 | 1,140 | 124,359 | - |
| 4 Lines | 207 | 23,657 | 1,384 | 173 | 4 | - | 25,425 | 1,289 |
| 5 Unseg.Allocation | 10 | 1,199 | 70 | 9 | 0 | - | 1,289 | (1,289) |
| 6 Subtotal | 217 | 24,856 | 1,455 | 181 | 4 | - | 26,713 | - |
| 7 Lines & Subs | 3,154 | 123,510 | 20,323 | 796 | 2,149 | 1,140 | 151,072 | - |
| 8 % of Segmented Total | 2.1% | 81.8% | 13.5% | 0.5% | 1.4% | 0.8% | 100.0% | |
| 9 Other | | | | | | | Ancillary Services | General Plant |
| | | | | | | | 45,337 | 45,945 |

Appendix A
BP14 Rate Case Final Proposal Segmentation Details

Generation Integration Facilities

| Transmission Lines | Investment (\$) | O&M (\$) | Multi % |
|--|------------------------|---------------------|----------------|
| ANDERSON RANCH-MOUNTAIN HOME NO 1 | 4,449,861 | 38,869 | |
| BIG CLIFF-DETROIT PH NO 1 | 181,340 | 2,744 | |
| BIG CLIFF-DETROIT PH NO 2 | 181,340 | 1,301 | |
| BLACK CANYON-EMMETT NO 1 | 307,180 | 19,288 | |
| BONNEVILLE PH 1-NORTH BONNEVILLE NO 1 | 85,578 | 1,153 | |
| BONNEVILLE PH 1-NORTH BONNEVILLE NO 2 | 86,775 | | |
| BONNEVILLE PH 2-NORTH BONNEVILLE NO 3 | 98,469 | 2,483 | |
| BONNEVILLE PH 2-NORTH BONNEVILLE NO 4 | 1,214,223 | 0 | |
| CHANDLER TAP TO GRANDVIEW-REDMOUNTAIN NO 1 | 118,517 | 4,041 | |
| CHIEF JOSEPH PH-CHIEF JOSEPH NO 1 | 68,924 | 3,014 | |
| CHIEF JOSEPH PH-CHIEF JOSEPH NO 2 | 89,376 | 2,936 | |
| CHIEF JOSEPH PH-CHIEF JOSEPH NO 3 | 82,433 | 1,156 | |
| CHIEF JOSEPH PH-CHIEF JOSEPH NO 4 | 78,094 | 381 | |
| CHIEF JOSEPH PH-CHIEF JOSEPH NO 5 | 475,202 | 1,370 | |
| CHIEF JOSEPH PH-CHIEF JOSEPH NO 6 | 439,561 | 2,849 | |
| COLUMBIA GENERATING STATION-ASHE NO 1 | 330,593 | 591 | |
| COLUMBIA GENERATING STATION-ASHE NO 2 | 76,075 | 1,374 | |
| COUGAR-THURSTON NO 1 | 113,609 | 6,123 | 5% |
| DETROIT PH-DETROIT NO 1 | 42,262 | 18,314 | |
| DETROIT PH-DETROIT NO 2 | 42,262 | 3,093 | |
| DETROIT-SANTIAM NO 1 | 1,916,208 | 11,641 | |
| DWORSHAK PH-DWORSHAK NO 1 | 1,225,822 | 3,451 | |
| DWORSHAK PH-DWORSHAK NO 1 ML CLEARWATER CO | 76,474 | | |
| GREEN PETER-LEBANON NO 1 | 357,224 | 13,494 | 35% |
| HILLS CREEK-LOOKOUT POINT NO 1 | 288,822 | 26,195 | 19% |
| ICE HARBOR-FRANKLIN NO 3 | 1,465,528 | 4,845 | |
| JOHN DAY PH-JOHN DAY NO 1 | 485,647 | 1,996 | |
| JOHN DAY PH-JOHN DAY NO 2 | 485,647 | 1,758 | |
| JOHN DAY PH-JOHN DAY NO 3 | 485,647 | 1,343 | |
| JOHN DAY PH-JOHN DAY NO 4 | 485,642 | 1,670 | |
| LIBBY PH-LIBBY NO 1 | 278,220 | 2,202 | |
| LIBBY PH-LIBBY NO 2 | 265,855 | 6,865 | |
| LITTLE GOOSE PH-LITTLE GOOSE NO 1 | 290,246 | 1,987 | |
| LOOKOUT POINT PH-LOOKOUT POINT NO 1 | 10,253 | 478 | |
| LOWER GRANITE PH-LOWER GRANITE NO 1 | 433,123 | 3,987 | |
| LOWER MONUMENTAL PH-LOWER MONUMENTAL NO 1 | 236,523 | 6,207 | |
| MCNARY PH-MCNARY 3&4 NO 3 | 135,173 | 549 | |
| MCNARY PH-MCNARY NO 1 | 76,683 | 990 | |
| MCNARY PH-MCNARY NO 2 | 74,361 | 654 | |
| MCNARY PH-MCNARY NO 5 | 101,717 | 549 | |
| MCNARY PH-MCNARY NO 6 | 112,595 | 1,365 | |
| THE DALLES PH-BIG EDDY NO 1 | 118,075 | 931 | |
| THE DALLES PH-BIG EDDY NO 2 | 121,407 | 361 | |
| THE DALLES PH-BIG EDDY NO 3 | 107,356 | 403 | |
| THE DALLES PH-BIG EDDY NO 4 | 107,351 | 478 | |
| THE DALLES PH-BIG EDDY NO 5 | 116,296 | 783 | |
| THE DALLES PH-BIG EDDY NO 6 | 117,572 | 478 | |
| Subtotal Lines | 18,537,140 | 206,739 | |

| Substations | Investment (\$) | O&M (\$) | Multi % |
|---|------------------------|---------------------|----------------|
| ALBENI FALLS SUBSTATION | 365,644 | 27,288 | 25% |
| ASHE SUBSTATION | 3,326,619 | 137,356 | 10% |
| BIG EDDY SUBSTATION | 3,428,441 | 119,541 | 5% |
| BONNEVILLE POWERHOUSE #1 | 164,462 | 26,925 | |
| CHIEF JOSEPH POWERHOUSE | 102,351 | 30,737 | |
| CHIEF JOSEPH SUBSTATION | 7,910,317 | 623,780 | 25% |
| COLUMBIA GENERATING STATION SUBSTATION (ENERGY NORTHWEST) | 31,314 | | |
| COUGAR SUBSTATION | 255,378 | 23,637 | |
| DETROIT SUBSTATION | 1,051,706 | 60,965 | |
| DWORSHAK POWERHOUSE | 190,858 | 9,406 | |
| DWORSHAK SUBSTATION | 4,502,639 | 77,027 | 18% |
| FOSTER SUBSTATION | 42,312 | 14,104 | |
| FRANKLIN SUBSTATION | 1,804,029 | 190,370 | 20% |
| GRAND COULEE 115 KV SWITCHYARD | 75,243 | 11,312 | |
| GRAND COULEE 230 KV SWITCHYARD | 82,186 | 3,612 | |
| GRAND COULEE 500 KV SWITCHYARD | 413,567 | 39,160 | |
| GREEN PETER SUBSTATION | 257,380 | 17,042 | |
| HANFORD NO.2 CONSTRUCTION SUBSTATION | 75,446 | 12,475 | |
| HILLS CREEK SUBSTATION | 374,351 | 28,983 | |
| HUNGRY HORSE POWERHOUSE | 333,182 | 16,670 | |
| HUNGRY HORSE SWITCHYARD | 89,046 | | |
| ICE HARBOR POWERHOUSE | 187,001 | 13,476 | |
| JOHN DAY POWERHOUSE | 276,948 | 1,230 | |
| JOHN DAY SUBSTATION | 10,818,276 | 232,187 | 27% |
| LIBBY POWERHOUSE | 112,091 | 10,494 | |
| LIBBY SUBSTATION(BPA) | 1,212,752 | 88,119 | 18% |
| LITTLE GOOSE POWERHOUSE | 484,978 | 9,419 | |
| LITTLE GOOSE SUBSTATION | 2,496,988 | 56,771 | 20% |
| LOOKOUT POINT POWERHOUSE | 28,750 | 1,513 | |
| LOOKOUT POINT SUBSTATION | 553,632 | 12,775 | 25% |
| LOST CREEK POWERHOUSE | 53,123 | 2,691 | |

Appendix A
BP14 Rate Case Final Proposal Segmentation Details

| | | | |
|-------------------------------------|-------------------|------------------|-----|
| LOWER GRANITE POWERHOUSE | 368,331 | 5,315 | |
| LOWER GRANITE SUBSTATION | 2,095,399 | 77,182 | 25% |
| LOWER MONUMENTAL POWERHOUSE | 393,152 | 3,404 | |
| LOWER MONUMENTAL SUBSTATION | 2,238,972 | 33,526 | 12% |
| M McNARY POWERHOUSE | 245,608 | 18,441 | |
| M McNARY SUBSTATION | 5,917,573 | 164,705 | 12% |
| MINIDOKA POWERHOUSE | 147,898 | 8,100 | |
| MOUNTAIN HOME SUBSTATION(BPA) | 174,369 | 64,272 | |
| NORTH BONNEVILLE SUBSTATION | 3,773,241 | 153,205 | 37% |
| PALISADES POWERHOUSE | 620,267 | 20,072 | |
| ROZA POWERHOUSE | 23,450 | | |
| SACAJAWEA SUBSTATION | 186,464 | 899 | 1% |
| SANTIAM SUBSTATION | 775,593 | 49,245 | 5% |
| THE DALLES POWERHOUSE | 53,426 | 8,140 | |
| WPPSS NO. 2 POWERHOUSE | 463,746 | 32,033 | |
| Subtotal Substations | 58,578,499 | 2,537,601 | |
| Total Generation Integration | 77,115,639 | 2,744,340 | |

Integrated Network Facilities

| Transmission Lines | Investment (\$) | O&M (\$) | Multi % |
|---|------------------------|---------------------|----------------|
| ABERDEEN TAP TO SATSOP PARK-COSMOPOLIS NO 1 | 1,597,354 | 16,211 | |
| ACORD TAP TO GRANDVIEW-RED MOUNTAIN NO 1 | 256,732 | | |
| ADDY-COLVILLE NO 1 | 42,251 | 7,815 | |
| ADDY-CUSICK NO 1 | 4,892,667 | 38,581 | |
| ALBANY-BURNT WOODS NO 1 | 1,108,548 | 26,477 | |
| ALBANY-BURNT WOODS NO 1 ML BENTON CO | 2,789,686 | | |
| ALBANY-BURNT WOODS NO 1 ML LINCOLN CO | 94,000 | | |
| ALBANY-BURNT WOODS NO 1 ML LINN CO | 250,687 | | |
| ALBANY-EUGENE NO 1 | 4,632,722 | 52,029 | |
| ALBANY-LEBANON NO 1 | 1,083,416 | 45,361 | |
| ALBENI FALLS-PINE STREET NO 1 | 329,901 | 3,665 | |
| ALBENI FALLS-SAND CREEK NO 1 | 11,116,181 | 78,720 | |
| ALCOA-FELIDA NO 1 | 36,090 | 3,858 | |
| ALLSTON-CLATSOP NO 1 | 2,812,090 | 125,055 | |
| ALLSTON-DRISCOLL NO 1 | 1,410,837 | 12,516 | |
| ALLSTON-DRISCOLL NO 2 | 4,866,564 | 113,589 | |
| ALVEY 500/230 KV TIE LINE NO 1 | 347,565 | 1,328 | |
| ALVEY-FAIRVIEW NO 1 | 9,229,828 | 359,978 | |
| ALVEY-LANE NO 1 | 1,378,137 | 21,026 | |
| ALVEY-MARTIN CREEK NO 1 | 203,899 | 18,705 | |
| ANACONDA-SILVER BOW NO 1 | 587,205 | 43,172 | |
| Antelope-Fossil Transmission Lines & Substation | 16,642,388 | | |
| ASHE TAP TO MIDWAY-HEW NO 2 | 83,431 | 3,108 | |
| ASHE-HANFORD NO 1 | 5,509,091 | 13,519 | |
| ASHE-MARION NO 2 | 84,328,646 | 381,147 | |
| ASHE-SLATT NO 1 | 25,162,078 | 71,631 | |
| ASHE-WHITE BLUFFS NO 1 | 1,215,881 | 7,790 | |
| BADGER CANYON-REATA NO 1 | 352,148 | 3,415 | |
| BADGER CANYON-RICHLAND NO 1 | 624,512 | 4,490 | |
| BALD MOUNTAIN TAP TO UNDERWOOD TAP | 119,704 | | |
| BANDON SUBSTATION TRANSFORMER TIE 1 | 8,680 | 325 | |
| BANDON-ROGUE NO 1 | 2,949,372 | 74,408 | |
| BELFAIR TAP TO SHELTON-KITSAPNO 2 | 1,313 | | |
| BELL-ADDY NO 1 | 4,921,055 | 44,167 | |
| BELL-BOUNDARY NO 1 | 5,679,015 | 91,175 | |
| BELL-BOUNDARY NO 3 | 29,044,903 | 135,994 | |
| BELLINGHAM-CUSTER NO 1 | 149,475 | 9,246 | |
| BELL-LANCASTER NO 1 | 2,437,602 | 36,078 | |
| BELL-TRENTWOOD NO 1 | 709,183 | 34,162 | |
| BELL-TRENTWOOD NO 2 | 586,821 | 25,265 | |
| BELL-USK NO 1 | 1,831,208 | 40,992 | |
| BENTON-451B NO 1 | 240,845 | 8,180 | |
| BENTON-DOE B3-S4 NO 1 | 162,956 | 6,645 | |
| BENTON-FRANKLIN NO 1 | 7,189,560 | 15,065 | |
| BENTON-FRANKLIN NO 2 | 606,950 | 14,034 | |
| BENTON-OTHELLO NO 1 | 318,857 | 6,540 | |
| BENTON-SOOTENEY NO 1 | 936,782 | 76,921 | |
| BERTELSEN-WILLOW CREEK NO 1 | 85,814 | 1,809 | |
| BETTAS ROAD-COLUMBIA NO 1 | 792,557 | 7,531 | |
| BIG EDDY-CHEMAWA NO 1 | 3,468,845 | 155,597 | |
| BIG EDDY-CHENOWETH NO 1 | 885,593 | 17,874 | |
| BIG EDDY-CHENOWETH NO 2 | 1,381,639 | 8,744 | |
| BIG EDDY-DE MOSS NO 1 | 915,833 | 43,708 | |
| BIG EDDY-MCLOUGHLIN 1&2 NO 1 | 4,965,983 | 45,628 | |
| BIG EDDY-MCLOUGHLIN 1&2 NO 2 | 1,764,192 | 14,929 | |
| BIG EDDY-OSTRANDER NO 1 | 10,045,705 | 59,515 | |
| BIG EDDY-OSTRANDER NO 1 (ML CLACKAMAS CO) | 1,877,797 | | |
| BIG EDDY-REDMOND NO 1 | 5,590,842 | 168,791 | |
| BIG EDDY-SPRING CREEK NO 1 | 3,032,156 | 83,745 | |
| BIG EDDY-THE DALLES FISHWAY HYDRO PLANT | 2,955,999 | | |
| BIG EDDY-TROUTDALE NO 1 | 7,742,186 | 205,673 | |
| BLUE RIVER TAP TO COUGAR-THURSTON NO 1 | 19,656 | 19,299 | |

Appendix A

BP14 Rate Case Final Proposal Segmentation Details

| | | | |
|---|------------|---------|-----|
| BOARDMAN TAP TO MCNARY-JONES CANYON NO 1 | 61,136 | 1,317 | |
| BOARDMAN-IONE NO 1 | 676,914 | 21,203 | |
| Boardman-Ione Transmission Line | 221,420 | | |
| BOARDMAN-TOWER ROAD NO 1 | 645,689 | 4,049 | |
| BONNEVILLE PH 1-HOOD RIVER NO 1 | 2,711,115 | 152,772 | |
| BONNEVILLE PH 1-NORTH CAMAS NO 1 | 453,835 | 21,942 | |
| BONNEVILLE PH1-ALCOA 1&2 | 7,905 | | |
| BONNEVILLE PH1-ALCOA NO 1 & 2 (BONN PH1-ALCOA NO 2 SECTION | 923,197 | 21,321 | |
| BONNEVILLE PH1-ALCOA NO 1 & 2 (BONN PH1-ALCOA NO 1 SECTION) | 77,542 | 24,539 | |
| BOTHELL-SAMMAMISH (PSE) (FOR ACCOUNTING PURPOSES ONLY) | 575,499 | | |
| BOTHELL-SNO-KING NO 1 | 415,901 | | |
| BOTHELL-SNO-KING NO 2 | 693,960 | 1,390 | |
| BOUNDARY-NELWAY 1 | 263,960 | 21,431 | |
| BOUNDARY-WANETA 1 | 117,328 | 1,143 | |
| BOYER-TILLAMOOK NO 1 | 2,529,381 | 76,212 | |
| BRASADA-HARNEY NO 1 | 2,944,374 | 129,377 | |
| BRASADA-HARNEY NO 1 ML DESCHUTES CO | 314,072 | | |
| BRASADA-HARNEY NO 1 ML HARNEY CO | 82,671 | | |
| BRONX-SAND CREEK NO 1 | 2,571,101 | 6,763 | |
| BUCKLEY-GRIZZLY NO 1 | 7,514,539 | 21,322 | 43% |
| BUCKLEY-MARION NO 1 | 20,369,871 | 49,991 | 50% |
| BURBANK TAP TO FRANKLIN-WALLAWALLA NO 1 | 2,665 | 685 | |
| CALPINE-MCNARY NO 1 | 428,117 | 22,588 | |
| CANAL-SECOND LIFT NO 1 | 25,231 | 2,123 | |
| CANAL-SECOND LIFT NO 2 | 19,804 | 155 | |
| CANBY TAP TO MALIN-HILLTOP NO1 | 2,263,227 | 17,638 | |
| CARDWELL-COLITZ NO 1 (ML) COWLITZ COUNTY | 3,466,643 | | |
| CARDWELL-COWLITZ NO 1 | 629,399 | 7,257 | |
| CARLTON-MCMINNVILLE NO 1 | 463,769 | 1,824 | |
| CARLTON-SHERWOOD NO 1 | 575,080 | 7,434 | |
| CARLTON-TILLAMOOK NO 1 | 5,998,086 | 172,575 | |
| CARSON TAP TO UNDERWOOD TAP | 267,329 | 1,468 | |
| CASCADE LOCKS TAP TO BONNEVILLE PH 1-HOOD RIVER NO 1 | 7,085 | 5,203 | |
| CASCADE STEEL TAP TO CARLTON SHERWOOD NO 1 | 1,527,599 | 15,079 | |
| CENTRALIA TAP TO CHEHALIS-COVINGTON NO 1 | 1,162 | 2,870 | |
| CENTRALIA-MAY STREET NO 1 | 45,304 | 1,985 | |
| CGS BACKUP BANK TAP TO BENTON - 451B NO 1 | 87,163 | 1,506 | |
| CHEHALIS-CENTRALIA NO 1 ML LEWIS CO | 4,232,257 | | |
| CHEHALIS-CENTRALIA NO 1 | 880,849 | 14,240 | |
| CHEHALIS-CENTRALIA NO 2 | 1,248,508 | 19,209 | |
| CHEHALIS-CENTRALIA NO 2 ML LEWIS CO | 5,911,773 | | |
| CHEHALIS-COVINGTON NO 1 | 2,235,062 | 147,364 | |
| CHEHALIS-MAYFIELD NO 1 | 1,576,880 | 52,750 | |
| CHEHALIS-OLYMPIA NO 1 | 2,507,120 | 59,094 | |
| CHEHALIS-RAYMOND NO 1 | 15,303,992 | 81,460 | |
| CHEMAWA-SALEM ALUMINA NO 1 | 299,492 | 6,879 | |
| CHEMAWA-SALEM NO 1 | 4,761,205 | 8,506 | |
| CHEMAWA-SALEM NO 2 | 302,519 | 4,651 | |
| CHENEY TAP TO SILVER LAKE-SUNSET | 381,384 | 32,417 | |
| CHENOWETH-GOLDENDALE NO 1 | 1,375,378 | 53,861 | |
| CHIEF JOEPH-SICKLER NO 1 ML DOUGLAS CO | 737,581 | | |
| CHIEF JOSEPH-EAST OMAK NO 1 | 5,148,496 | 134,746 | |
| CHIEF JOSEPH-MONROE NO 1 | 21,776,416 | 237,699 | |
| CHIEF JOSEPH-MONROE NO 1 ML SNOHOMISH CO | 1,954,071 | | |
| CHIEF JOSEPH-SICKLER NO 1 | 4,620,138 | 60,383 | |
| CHIEF JOSEPH-SNOHOMISH NO 3 | 7,939,299 | 68,309 | |
| CHIEF JOSEPH-SNOHOMISH NO 4 | 9,240,347 | 124,494 | |
| CHRISTMAS VALLEY TAP TO BRASADA-HARNEY NO 1 | 1,640 | | |
| CHRISTOPHER TAP TO TACOMA-COVINGTON-4 (RETIRED) | 61,063 | | |
| COLUMBIA FALLS-CONKELLEY NO 1 | 72,714 | 1,121 | |
| COLUMBIA FALLS-FLATHEAD NO 1 | 756,209 | 7,772 | |
| COLUMBIA FALLS-KALISPELL NO 1 | 397,575 | 26,710 | |
| COLUMBIA FALLS-TREGO NO 1 | 1,542,772 | 134,012 | |
| COLUMBIA-ELLENSBURG NO 1 | 1,962,585 | 25,749 | |
| COLUMBIA-ELLENSBURG NO 1 ML KITTITAS CO | 4,463,967 | | |
| COLUMBIA-GRAND COULEE NO 1 | 1,417,945 | 134,705 | |
| COLUMBIA-GRAND COULEE NO 3 | 1,722,738 | 59,086 | |
| COLUMBIA-VALHALLA NO 1 | 207,161 | 11,337 | |
| COLUMBIA-VALHALLA NO 2 | 534,449 | 14,332 | |
| COLVILLE-BOUNDARY NO 1 | 4,878,645 | 24,943 | |
| COLVILLE-REPUBLIC NO 1 | 5,539,915 | 85,911 | |
| CONKELLY TAP TO HUNGRY HORSE-COLUMBIA FALLS NO 1 (OBSOLETE) | 2,743 | | |
| CONNELL TAP TO BENTON-SOOTENEY NO 1 | 190,017 | 9,255 | |
| COSMOPOLIS-ABERDEEN NO 1 | 6,928 | 594 | |
| COTTAGE GROVE-DRAIN NO 1 (RETIRED) | 312,761 | | |
| COUGAR-THURSTON NO 1 | 1,983,343 | 106,885 | 95% |
| COVINGTON SUBSTATION TIE NO 2 | 17,720 | 1,771 | |
| COVINGTON-BETTAS ROAD NO 1 | 1,742,283 | 61,811 | |
| COVINGTON-CRESTON SCL NO 1 | 398,640 | 19,706 | |
| COVINGTON-DUWAMISH NO 1 | 752,610 | 14,531 | |
| COVINGTON-MAPLE VALLEY NO 2 | 1,129,206 | 29,247 | |
| COVINGTON-WHITE RIVER NO 1 | 216,902 | 16,638 | |
| COWLITZ TAP TO CHEHALIS-COVINGTON NO 1 | 740,713 | 26,515 | |
| COYOTE SPRINGS-SLATT NO 1 | 2,352,112 | 13,126 | 88% |

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|--|-------------|---------|-----|
| CRESTON-BELL NO 1 | 3,104,680 | 84,247 | |
| CRESWELL TAP TO ALVEY-MARTIN CREEK NO 1 | 92,141 | | |
| CUSTER-INGLEDOW NO 1 | 7,036,672 | 10,371 | |
| CUSTER-INGLEDOW NO 2 | 1,768,518 | 6,482 | |
| CUSTER-INTALCO NO 1 | 497,585 | 18,177 | |
| CUSTER-INTALCO NO 2 | 531,003 | 11,093 | |
| DAVIS CREEK TAP TO MILE-HI-ALTURAS | 208,342 | 5,689 | |
| DE MOSS-FOSSIL NO 1 | 1,784,328 | 125,301 | |
| DEXTER TAP TO LOOKOUT POINT-ALVEY NO 1 | 27,559 | 1,295 | |
| DISCOVERY-CHENOWETH NO 1 | 8,490 | 396 | |
| DOE B3-S4-WHITE BLUFFS NO 1 | 557,626 | 12,001 | |
| DORENA TAP TO ALVEY-MARTIN CREEK NO. 1 | 221,415 | 10,597 | |
| DRAIN-ELKTON NO 1 | 843 | | |
| DRAIN-OAKLAND NO 1 | 843 | | |
| DRISCOLL TAP TO ALLSTON-CLATSOP NO 1 | 1,683,694 | | |
| DRISCOLL-NASELLE NO 1 | 3,827,817 | 128,187 | |
| DRISCOLL-WAUNA NO 1 | 28,035 | 825 | |
| DRUMMOND - MACKS INN NO 1 | 8,954 | 144,334 | |
| DUTCH CANYON TAP TO ST JOHNS-ST HELENS NO 1 | 139 | | |
| DWORSHAK PH-OROFINO NO 1 | 205,764 | 4,443 | |
| DWORSHAK-TAFT NO 1 | 22,069,794 | 121,571 | |
| EAST ELLENSBURG TAP TO COLUMBIA-ELLENSBURG NO 1 | 356,552 | 1,790 | |
| EAST OMAK TAP TO GRAND COULEE-FOSTER CREEK NO 1 | 5,127,081 | 14,775 | |
| EAST OMAK-OROVILLE NO 1 | 13,684 | 19,410 | |
| EAST OMAK-TONASKET NO 2 | 13,691 | 9,305 | |
| ECHO LAKE - MAPLE VALLEY NO 1 & 2 (EL-MV NO | 5,628,393 | 15,491 | |
| ECHO LAKE - MAPLE VALLEY NO 1 & 2 (EL-MV NO 1 SECTION) | 5,594,552 | 26,963 | |
| ECHO LAKE-MONROE NO 1 | 4,938,957 | 46,594 | |
| ELBE TAP TO ALDER-LAGRANDE NO1,2 | 1,867,188 | 12,261 | |
| ELLENSBURG-MOXEE NO 1 | 4,540,019 | 78,529 | |
| ELTOPIA TAP TO SMITH CANYON-REDD | 415,578 | 4,236 | |
| EUGENE-ALDERWOOD NO 1 | 3,965,075 | 26,977 | |
| EUGENE-ALVEY NO 2 | 913,760 | 27,330 | |
| EUGENE-BERTELSEN NO 1 | 58,755 | 8,466 | |
| EUGENE-LANE NO 1 | 105,016 | 23,990 | |
| FAIRMOUNT-PORT ANGELES NO 1 | 1,878,901 | 43,273 | |
| FAIRMOUNT-PORT ANGELES NO 2 | 1,529,338 | 94,270 | |
| FAIRVIEW-BANDON NO 1 | 1,682,809 | 83,556 | |
| FAIRVIEW-BANDON NO 2 | 2,199,172 | 48,962 | |
| FAIRVIEW-ROGUE NO 1 | 6,893,302 | 106,558 | |
| FIDALGO-LOPEZ ISLAND NO 3 | 1,929,609 | 7,549 | |
| FIDALGO-LOPEZ ISLAND NO 4 | 4,794,685 | | |
| FIDALGO-LOPEZ ISLAND NO 5 | 13,833,755 | 3,052 | |
| FILBERT TAP TO FOREST GROVE-MCMINNVILLE NO 1 | 290,501 | 491 | |
| FLATHEAD-HOT SPRINGS NO 1 | 3,257,393 | 47,815 | |
| FORDS PRAIRIE TAP TO CHEHALIS-CENTRALIA NO 2 | 23,009 | 104 | |
| FOREST GROVE-MCMINNVILLE NO 1 | 1,091,179 | 28,469 | |
| FOREST GROVE-TILLAMOOK NO 1 | 6,218,645 | 35,599 | |
| FOSTER TAP TO GREEN PETER-LEBANON NO 1 | 254,650 | 8,459 | |
| FOUR LAKES TAP TO SUNSET-EASTCOLFAX | 238,110 | 11,775 | |
| FRANKLIN-BADGER CANYON NO 1 | 1,733,993 | 8,913 | |
| FRANKLIN-BADGER CANYON NO 2 | 2,181,290 | 15,747 | |
| FRANKLIN-HEDGES NO 1 | 247,366 | 4,796 | |
| FRANKLIN-RUBY STREET NO 1 | 1,347,949 | 4,283 | |
| FRANKLIN-WALLA WALLA NO 1 | 6,166,393 | 39,379 | |
| FRANZ HOLMES TAP TO COWLITZ-LAGRANDE NO 1,2 (OBSOLETE) | 276,241 | 8,509 | |
| FROMAN TAP TO ALBANY-LEBANON NO 1 | 592,229 | 3,399 | |
| GARRISON-ANACONDA NO 1 | 5,153,222 | 62,325 | |
| GARRISON-TAFT NO 1 | 86,218,545 | 165,690 | |
| GARRISON-TAFT NO 2 | 86,218,545 | 85,076 | |
| GLADE TAP TO BENTON-FRANKLIN NO 2 | 716 | | |
| GOSHEN-DRUMMOND NO 1 | 16,291,283 | 186,425 | |
| GRAND COULEE-BELL NO 3 | 3,271,711 | 264,987 | |
| GRAND COULEE-BELL NO 5 | 4,113,496 | 43,063 | |
| GRAND COULEE-BELL NO 6 | 104,017,288 | 87,148 | |
| GRAND COULEE-CHIEF JOSEPH NO 1 | 1,530,305 | 49,182 | |
| GRAND COULEE-CHIEF JOSEPH NO 2 | 1,945,691 | 52,774 | |
| GRAND COULEE-CHIEF JOSEPH NO 3 | 4,100,432 | 14,098 | |
| GRAND COULEE-CRESTON NO 1 | 1,479,628 | 29,917 | |
| GRAND COULEE-FOSTER CREEK NO 1 | 786,871 | 28,459 | |
| GRAND COULEE-HANFORD NO 1 | 12,282,324 | 79,905 | |
| GRAND COULEE-OKANOGAN NO 2 | 954,810 | 262,905 | |
| GRAND COULEE-SCHULTZ NO 1 | 31,696,784 | 324,286 | |
| GRAND COULEE-SCHULTZ NO 2 | 30,625,010 | 56,084 | |
| GRAND COULEE-WESTSIDE(AVA) NO 1 | 2,238,122 | 51,962 | |
| GRANDE ROND-BOYER NO 1 | 1,283,226 | 12,105 | |
| GRANDVIEW-RED MOUNTAIN NO 1 | 1,578,244 | 26,652 | |
| GREEN BLUFF TAP TO BELL-TRENTWOOD NO 2 | 268,903 | 8,390 | |
| GREEN PETER-LEBANON NO 1 | 666,893 | 25,192 | 65% |
| GRIZZLY-SUMMER LAKE NO 1 | 14,204,156 | 45,107 | 43% |
| GRIZZLY-SUMMER LAKE NO 1 (CROOK CO) | 108,228 | | 43% |
| GRIZZLY-SUMMER LAKE NO 1 (DESCHUTES CO) | 127,891 | | 43% |
| GRIZZLY-SUMMER LAKE NO 1 (LAKE CO) | 255,806 | | 43% |
| Grouse Creek-Tecoma Transmission Lines & Substation | 2,236,179 | | |

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| HANFORD-WAUTOMA NO 1 | 3,063,563 | 8,407 | |
| HANFORD-WAUTOMA NO 1, ML BENTON CO | 235,126 | | |
| HANFORD-WAUTOMA NO 2 | 2,601,240 | 13,275 | |
| HANFORD-WAUTOMA NO 2, ML BENTON CO | 249,603 | | |
| HARRISBURG TAP TO ALBANY-EUGENE NO 1 | 15,159 | 271 | |
| HARVALUM-BIG EDDY NO 1 | 2,717,106 | 19,039 | |
| HAT ROCK TAP TO MCNARY-WALLULA | 117,346 | 1,426 | |
| HATTON TAP TO CONNELL TAP | 904,801 | 13,267 | |
| HATWAI-DWORSHAK NO 1 | 6,688,529 | 199,206 | |
| HAWKINS-ALVEY NO 1 | 193,564 | 23,830 | |
| HEBO TAP TO BOYER-TILLAMOOK NO 1 | 1,872 | 322 | |
| HEDGES TAP TO FRANKLIN-BADGERCANYON NO 2 | 197,981 | 1,151 | |
| HEYBURN-ADELAIDE NO 1 | 3,956,550 | 11,645 | |
| HIDEAWAY TAP TO HAWKINS-ALVEY NO 1 | 505 | 323 | |
| HILLS CREEK-LOOKOUT POINT NO 1 | 1,206,539 | 109,427 | 81% |
| HILLTOP-WARNER NO 1 | 4,824,687 | 28,443 | |
| HOLCOMB TAP TO CHEHALIS-RAYMOND NO 1 | 343,953 | 2,235 | |
| HOLCOMB-NASELLE NO 1 | 1,873,857 | 80,192 | |
| HOOD RIVER-THE DALLES NO 1 | 3,502,756 | 11,660 | |
| HORN BUTTE TAP TO TOWER ROAD-ALKALI NO 1 | 339,950 | 1,588 | |
| HORSE HEAVEN-HARVALUM NO 1 | 750,152 | 29,386 | |
| HORSE RANCH TAP TO MONROE-SNOHOMISH NO 1&2 | 79,180 | | |
| HOT SPRINGS 500-230KV TIE NO 1 | 37,012 | 171 | |
| HOT SPRINGS-RATTLESNAKE NO 1 | 6,405,758 | 157,690 | |
| HUNGRY HORSE-COLUMBIA FALLS NO 1 | 4,979,851 | 4,067 | |
| HUNGRY HORSE-CONKELLEY NO 1 | 981,905 | 6,517 | |
| ICE HARBOR-FRANKLIN NO 1 | 587,534 | 12,738 | |
| ICE HARBOR-FRANKLIN NO 2 | 570,551 | 7,736 | |
| JACKSON TAP TO CANAL-SECOND LIFT NO. 2 | 54,669 | | |
| JIM CREEK SERVICE NO 1 | 26,551 | 295 | |
| JOHN DAY-BIG EDDY NO 2 | 5,433,041 | 9,948 | |
| JOHN DAY-BIG EDDY NO 2 ML SHERMAN CO | 152,151 | | |
| JOHN DAY-BIG EDDY NO 2 ML WASCO CO | 152,153 | | |
| JOHN DAY-MARION NO 1 | 17,485,758 | 191,931 | |
| JONES CANYON-SANTIAM NO 1 | 5,427,621 | 115,776 | |
| JUNCTION CITY TAP TO ALBANY-EUGENE NO 1 | 2,182 | 1,436 | |
| KALISPELL-KERR NO 1 | 1,283,063 | 102,965 | |
| KEELER-ALLSTON NO 1 | 5,141,827 | 57,833 | |
| KEELER-FOREST GROVE NO 1 | 3,011,998 | 165,191 | |
| KEELER-FOREST GROVE NO 2 | 575,738 | 23,050 | |
| KEELER-OREGON CITY NO 2 | 1,405,479 | 31,392 | |
| KEELER-PENNWALT NO 1(DEENERGIZED) | 256,113 | | |
| KELLER TAP TO GRAND COULEE-OKANOGAN NO 2 | 4,871,621 | 104,600 | |
| KENNEWICK TAP TO FRANKLIN-BADGER CANYON NO 2 | 38,892 | 2,496 | |
| KERR SUB TIE TO US ITS MP CO.115KV | 77,150 | 363 | |
| KITSAP-BANGOR NO 1 | 637,130 | 17,295 | |
| KITSAP-STATION X NO 1 | 262,419 | | |
| KLONDIKE SCHOOLHOUSE-JOHN DAY NO 1 | 9,759,776 | 7,592 | |
| LA PINE-CHILOQUIN NO 1 | 2,337,568 | 60,109 | |
| LA PINE-FORT ROCK NO 1 | 6,683,185 | 25,138 | |
| LA PINE-FORT ROCK NO 1 ML DESCHUTES CO | 78,561 | | |
| LANCASTER-NOXON NO 1 | 3,204,668 | 94,036 | |
| LANE-WENDSON NO 1 | 3,773,069 | 149,285 | |
| LANE-WENDSON NO 2 | 2,282,762 | 128,494 | |
| LANGLOIS TAP TO BANDON-ROGUE NO 1 | 26,655 | 862 | |
| LATHAM TAP TO ALVEY-MARTIN CREEK NO 1 | 1,045,461 | 4,193 | |
| LEXINGTON-DELAMETER NO 1 | 145,989 | | |
| LEXINGTON-LONGVIEW NO 1 | 717,372 | 22,983 | |
| LEXINGTON-LONGVIEW NO 2 | 438,091 | 31,291 | |
| LIBBY-BONNERS FERRY NO 1 | 25,635,253 | 184,705 | |
| LIBBY-CONKELLEY NO 1 | 9,627,742 | 101,320 | |
| LITTLE GOOSE-CENTRAL FERRY NO 2 | 11,183,170 | 16,664 | |
| LITTLE GOOSE-LOWER GRANITE NO 1 ML GARFIELD | 77,581 | | |
| LITTLE GOOSE-LOWER GRANITE NO 2 ML COLUMBIA | 158,860 | | |
| LITTLE GOOSE-LOWER GRANITE NO 2 ML GARFIELD | 360,082 | | |
| LITTLE GOOSE-LOWER GRANITE NO 2 ML WHITMAN | 10,591 | | |
| LITTLE GOOSE-LOWER GRANITE NO1 | 5,783,221 | 25,386 | |
| LONGVIEW-ALLSTON NO 1 | 333,525 | 58,302 | |
| LONGVIEW-ALLSTON NO 2 | 69,437 | 58,198 | |
| LONGVIEW-ALLSTON NO 3 | 1,078,732 | 42,902 | |
| LONGVIEW-ALLSTON NO 4 | 658,953 | 149,461 | |
| LONGVIEW-BAKERS CORNER (COWLITZ PUD LINE) | 32,177 | 495 | |
| LONGVIEW-CHEHALIS NO 1 & 3 (LONGVIEW-CHEHALI | 1,453,934 | 39,877 | |
| LONGVIEW-CHEHALIS NO 1 & 3 (LONGVIEW-CHEHALIS NO 1 SECTION) | 1,491,566 | 87,616 | |
| LONGVIEW-COWLITZ NO 1 | 524,096 | 24,097 | |
| LOOKOUT POINT-ALVEY NO 1 | 789,546 | 56,407 | |
| LOOKOUT POINT-ALVEY NO 2 | 695,638 | 33,010 | |
| LOPEZ ISLAND-DECATUR NO 1 | 773,159 | | |
| LOST RIVER-SPAR CANYON NO 1 | 5,518,064 | 109,277 | |
| LOWER GRANITE-HATWAI NO 1 | 8,301,795 | 73,026 | |
| LOWER MONUMENTAL-ASHE NO 1 | 11,094,886 | 112,854 | |
| LOWER MONUMENTAL-HANFORD NO 1 | 5,699,847 | 47,154 | |
| LOWER MONUMENTAL-HANFORD NO 1 ML BENTON | 103,974 | | |
| LOWER MONUMENTAL-HANFORD NO 1 ML FRANKLIN | 639,837 | | |

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| LOWER MONUMENTAL-HANFORD NO 1 ML GRANT | 47,988 | |
| LOWER MONUMENTAL-HANFORD NO 1 ML WALLA WALLA | 7,998 | |
| LOWER MONUMENTAL-LITTLE GOOSE NO 1 ML COLUMB | 28,937 | |
| LOWER MONUMENTAL-LITTLE GOOSE NO 1 ML WAWA | 231,498 | |
| LOWER MONUMENTAL-LITTLE GOOSE NO 1 ML WHITMA | 101,281 | |
| LOWER MONUMENTAL-LITTLE GOOSENO 1 | 2,940,825 | 86,431 |
| LOWER MONUMENTAL-LITTLE GOOSENO 2 | 3,347,265 | 33,377 |
| LOWER MONUMENTAL-MCNARY NO 1 | 8,898,963 | 144,368 |
| LOWER MONUMENTAL-MCNARY NO 1 ML UMATILLA CO | 359,186 | |
| LOWER MONUMENTAL-MCNARY NO 1 ML WALLA WALLA | 729,257 | |
| LYNCH CREEK TAP TO CANYON-LAGRANDE NO 1,2 | 1,053,417 | 19,249 |
| MACKS INN-MADISON NO 1 | 3,753,253 | 83,120 |
| MALIN-HILLTOP NO 1 | 6,426,964 | 124,133 |
| MAPLE VALLEY-DUWAMISH NO 1 | 73,304 | 3,600 |
| MAPLE VALLEY-MASSACHUSETTS NO 1 | 23,317 | 721 |
| MARION-ALVEY NO 1 | 4,456,110 | 51,232 |
| MARION-LANE NO 1 | 8,003,594 | 111,281 |
| MARION-SANTIAM NO 1 | 619,487 | 1,902 |
| MARTIN CREEK TAP TO ALVEY-FAIRVIEW NO 1 | 11,094 | 1,894 |
| MARTIN CREEK-DRAIN NO 1 | 452,513 | 29,645 |
| Maupin-Antelope Transmission Lines & Substation | 894,251 | |
| MAUPIN-TYGH VALLEY NO 1 | 562,433 | 10,748 |
| MCCULLOUGH TAP TO COWLITZ-LAGRANDE NO 1,2 | 459,238 | 17,361 |
| MCNARY-BADGER CANYON NO 1 | 2,668,698 | 22,190 |
| MCNARY-BADGER CANYON NO 1 ML BENTON CO, WA | 5,106,907 | |
| MCNARY-BOARDMAN NO 1 | 777,180 | 8,836 |
| MCNARY-COYOTE SPRINGS NO 1 | 2,077,323 | 46,860 |
| MCNARY-FRANKLIN NO 2 | 1,653,546 | 47,530 |
| MCNARY-HORSE HEAVEN NO 1 | 12,914,790 | 9,054 |
| MCNARY-JOHN DAY NO 2 | 134,422,448 | 11,136 |
| MCNARY-JONES CANYON NO 1 | 1,657,299 | 27,850 |
| MCNARY-ROSS NO 1 | 12,808,869 | 208,506 |
| MCNARY-ROUNDUP NO 1 | 1,396,046 | 46,493 |
| MCNARY-SANTIAM NO 1(OBS/RET, SEE NOTES) | 6,139,225 | 18,539 |
| MIDWAY-BENTON NO 1 | 3,115,724 | 15,802 |
| MIDWAY-BENTON NO 2 | 1,944,282 | 13,108 |
| MIDWAY-GRANDVIEW NO 1 | 1,254,400 | 39,073 |
| MIDWAY-MOXEE NO 1 | 1,375,442 | 54,479 |
| MIDWAY-POTHOLES NO 1 | 765,882 | 119,766 |
| MIDWAY-ROCKY FORD NO 1 | 1,620,448 | 29,315 |
| MIDWAY-VANTAGE NO 1 | 9,948,980 | 5,093 |
| MILTON TAP TO WALLA WALLA-PENDLETON NO 1 | 2,236,170 | 5,932 |
| MINIDOKA PH-UNITY NO 1 | 2,146,839 | 55,855 |
| MINIDOKA SUB TAP TO DUFN43 | 1,099,937 | 562 |
| MIST TAP TO ALLSTON-DRISCOLL NO 2 | 9,302 | 1,207 |
| MONROE-CUSTER NO 1 | 19,774,961 | 289,139 |
| MONROE-CUSTER NO 1 ML SKAGIT CO | 365,246 | |
| MONROE-CUSTER NO 1 ML SNOHOMISH CO | 474,819 | |
| MONROE-CUSTER NO 1 ML WHATCOMO CO | 377,421 | |
| MONROE-CUSTER NO 2 | 8,704,892 | 118,916 |
| MONROE-NOVELTY HILL NO.1 | 1,736,161 | |
| MONROE-SNOHOMISH NO 1 & 2 (MONROE-SNOHOMISH NO 1 SECTION) | 222,064 | 8,396 |
| MONROE-SNOHOMISH NO 1 & 2 (MONROE-SNOHOMISH NO 2 SECTION) | 164,312 | 3,350 |
| MOSSYROCK-CHEHALIS NO 1 | 1,070,923 | 26,097 |
| MOUNTAIN AVENUE TAP TO (PACIFICORP) ASHLAND-OAK KNOLL | 699,916 | 5,498 |
| MOXEE-ROZA NO 1 | 23,832 | 59,260 |
| MT. VERNON TAP TO LOOKOUT POINT-ALVEY NO 2 | 68,601 | 5,476 |
| MURRAY-CUSTER NO 1 | 3,130,600 | 84,401 |
| NAPAVINE-ALLSTON NO 1 | 7,972,626 | 51,088 |
| NAPAVINE-ALLSTON NO 1 ML COLUMBIA CO | 35,702 | |
| NAPAVINE-ALLSTON NO 1 ML COWLITZ CO | 267,769 | |
| NAPAVINE-ALLSTON NO 1 ML WASHINGTON CO | 291,571 | |
| NASELLE-TARLETT NO 1 | 2,514,187 | 48,407 |
| NASELLE-TARLETT NO 2 | 3,823,152 | 51,223 |
| NESPELEM TAP TO GRAND COULEE-OKANOGAN | 579 | |
| NINE MILE TAP TO FRANKLIN-WALLA WALLA NO 1 | 40,788 | 492 |
| NORTH BONNEVILLE-MIDWAY NO 1 | 7,668,485 | 296,443 |
| NORTH BONNEVILLE-ROSS NO 1 | 1,953,157 | 33,975 |
| NORTH BONNEVILLE-ROSS NO 2 | 1,843,674 | 59,633 |
| NORTH BONNEVILLE-TROUTDALE NO1 | 2,888,783 | 41,199 |
| NORTH BONNEVILLE-TROUTDALE NO2 | 2,881,488 | 18,653 |
| NORTH CAMAS-OAK PARK NO 1 | 114,939 | 7,100 |
| NORTH CAMAS-SIFTON NO 1 | 190,685 | 2,637 |
| NORTH MOUNTAIN-SNOHOMISH NO 1 | 149,405 | |
| NOXON-HOT SPRINGS NO 1 | 3,019,998 | 205,497 |
| NOXON-LIBBY NO 1 | 2,845,525 | 197,289 |
| OLYMPIA 500-230 TIE LINE 1 ML THURSTON CO | 992,129 | |
| OLYMPIA-GRAND COULEE NO 1 | 18,026,581 | 535,541 |
| OLYMPIA-HITSAP NO 3 ML THURSTON CO(SEE NOTES) | 168,820 | |
| OLYMPIA-KITSAP NO 3 (SEE NOTES) | 3,080,675 | 36,559 |
| OLYMPIA-KITSAP NO 3 ML MASON CO(SEE NOTES) | 889,265 | |
| OLYMPIA-SATSOP NO 2 | 2,461,745 | 19,996 |
| OLYMPIA-SATSOP NO 3 | 4,021,560 | 10,793 |
| OLYMPIA-SHELTON NO 1 | 300,750 | |

50%

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|---|------------|---------|
| OLYMPIA-SHELTON NO 2 | 1,553,815 | 27,592 |
| OLYMPIA-SHELTON NO 3 | 2,055,537 | 17,388 |
| OLYMPIA-SHELTON NO 3 ML MASON CO | 1,170,314 | |
| OLYMPIA-SHELTON NO 4 | 1,943,388 | 21,632 |
| OLYMPIA-SHELTON NO 4 ML MASON CO | 1,170,314 | |
| OLYMPIA-SHELTON NO 5 | 292,541 | 34,860 |
| OLYMPIA-SHELTON NO 5 ML MASON CO | 5,257,537 | |
| OLYMPIA-SHELTON NO 5 ML THURSTON CO | 2,750,273 | |
| OLYMPIA-SOUTH ELMA NO 1 | 997,348 | 19,400 |
| OLYMPIA-SOUTH TACOMA NO 1 | 10,472,082 | 67,529 |
| OREGON CITY-CANBY PGE NO 1 | 376,143 | 9,846 |
| OREGON CITY-CHEMAWA NO 1 | 35,890 | |
| OREGON CITY-CHEMAWA NO 2 | 1,919,853 | 33,061 |
| OSTRANDER-MCLOUGHLIN NO 1 | 1,415,214 | 1,082 |
| OSTRANDER-PEARL NO 1 | 2,001,443 | 40,501 |
| OSTRANDER-TROUTDALE NO 1 | 5,624,505 | 68,522 |
| OSTRANDER-TROUTDALE NO 1 (ML CLACKACMAS CO) | 1,743,312 | |
| PALISADES-CATTLE CREEK NO 1 | 6,032,846 | 93,180 |
| PALISADES-GOSHEN NO 1 ML BONNEVILLE CO | 13,454,351 | |
| PALISADES-SWAN VALLEY NO 1 | 1,276,790 | 57,760 |
| PARKER TAP TO EUGENE-ALDERWOOD NO 1 | 9,970 | 328 |
| PAUL D. JOHNSON TAP TO ROSS-VANCOUVER SHIPYARD NO. 1 | 180,120 | |
| PAUL-ALLSTON NO 2 | 9,278,477 | 221,240 |
| PAUL-NAPAVINE NO 1 | 1,699,815 | 64,693 |
| PAUL-OLYMPIA NO 1 | 3,514,676 | 49,368 |
| PAUL-SATSOP NO 1 | 30,139,100 | 54,559 |
| PEARL-KEELER NO 1 | 2,245,471 | 28,782 |
| PEARL-MARION NO 1 | 4,556,475 | 566,959 |
| PEARL-MARION NO 1 ML CLACKAMAS CO | 295,852 | |
| PEARL-MARION NO 1 ML MARION CO | 262,359 | |
| PEARL-SHERWOOD NO. 1 & 2 (PEARL-SHERWOOD NO 1 SECTION) | 751,728 | 0 |
| PEARL-SHERWOOD NO. 1 & 2 (PEARL-SHERWOOD NO 2 SECTION) | 751,728 | 2,439 |
| PILOT BUTTE-LA PINE NO 1 | 1,474,753 | 68,437 |
| PINE HOLLOW TAP TO THE DALLES-TYGH VALLEY NO 1 | 15,441 | |
| POMEROY TAP TO TUCANNON RIVER-NORTH LEWISTON NO 1 | 29,550 | 1,051 |
| PONDEROSA-PILOT BUTTE NO 1 | 4,369,374 | 44,761 |
| PORT ANGELES-SAPPHO NO 1 | 2,619,357 | 90,956 |
| POTHOLES-GRAND COULEE NO 1 | 1,377,363 | 21,713 |
| POTLATCH TAP TO SHELTON-FAIRMOUNT NO 1 | 6,824 | 0 |
| POWERLINE TAPS TO DIAMOND HILL-COBURG | 81,433 | |
| PRIEST RIVER TAP TO ALBENI FALLS-SAND CREEK NO 1 | 297,117 | 12,782 |
| PROSSER TAP TO GRANDVIEW-RED MOUNTAIN NO 1 | 719,927 | 10,366 |
| RADAR TAP (USBR) TO SCOOTENEYTAP | 65,675 | 3,124 |
| RAINBOW VALLEY TAP TO LANE-WENDSON NO 1 | 152,368 | 13,781 |
| RALSTON TAP TO EAST COLFAX-LIND | 532,216 | 5,513 |
| RATTLESNAKE-GARRISON NO 1 | 2,348,224 | 132,221 |
| RAVER TAP TO SCHULTZ-ECHO LAKE NO 1 | 922,569 | 5,653 |
| RAVER-COVINGTON NO 1 | 2,290,045 | 59,659 |
| RAVER-COVINGTON NO 2 | 1,295,592 | 31,115 |
| RAVER-ECHO LAKE NO 1 | 2,190,125 | 15,114 |
| RAVER-PAUL NO 1 | 11,801,698 | 150,843 |
| RAVER-PAUL NO 1 ML KING CO | 182,765 | |
| RAVER-PAUL NO 1 ML LEWIS CO | 86,573 | |
| RAVER-PAUL NO 1 ML PIERCE CO | 461,723 | |
| RAVER-PAUL NO 1 ML THURSTON CO | 230,862 | |
| RAYMOND-COSMOPOLIS NO 1 | 10,746,393 | 37,874 |
| RAYMOND-HENKLE ST. NO 1 | 85,625 | 2,416 |
| RAYMOND-WILLAPA RIVER NO 1 | 387,668 | 21,778 |
| RED MOUNTAIN-RICHLAND NO 1 | 367,404 | 11,958 |
| RED MOUNTAIN-WHITE BLUFFS NO 1 | 1,197,530 | 16,944 |
| REDMOND SUBSTATION 230/115KV TIE NO 1 | 315,227 | |
| REDMOND-BRASADA NO 1 | 195,642 | 5,885 |
| REDMOND-PILOT BUTTE NO 1 | 251,202 | 16,174 |
| REEDSPORT-FAIRVIEW NO 1 | 5,325,284 | 119,021 |
| RESTON-FAIRVIEW NO 2 | 1,743,020 | 71,799 |
| RIVERGATE-KEELER NO 1 & 2 (RIVERGATE-KEELER NO 1 SECTION) | 512,780 | 9,531 |
| RIVERLAND-MIDWAY NO 1 | 21,591 | 5,616 |
| ROCK CREEK-JOHN DAY NO 1 | 6,097,654 | 23,558 |
| ROCK CREEK-JOHN DAY NO 1 ML KLUCKITAT CO | 120,333 | |
| ROCK CREEK-JOHN DAY NO 1 ML SHERMAN CO | 31,987 | |
| ROCKY FORD-GRAND COULEE NO 1 | 1,627,129 | 21,627 |
| ROCKY REACH-COLUMBIA NO 1 | 1,231,827 | 24,966 |
| ROCKY REACH-MAPLE VALLEY NO 1 | 15,011,139 | 176,973 |
| ROE'S CORNER TAP TO HEYBURN-ADELAIDE NO 1 | 1,116,651 | 2,199 |
| ROGUE-GOLD BEACH NO 1 | 2,736,726 | 4,822 |
| ROGUE-GOLD BEACH NO 2 | 4,805,288 | 68,342 |
| ROSS-ALCOA NO 2 & 4 (ROSS-ALCOA NO 2 SECTION) | 136,560 | 891 |
| ROSS-ALCOA NO 3 | 1,252,366 | 1,181 |
| ROSS-CARBORUNDUM NO 1 | 104,720 | 4,210 |
| ROSS-LEXINGTON NO 1 | 2,623,214 | 62,255 |
| ROSS-RIVERGATE NO 1 | 558,459 | 155,891 |
| ROSS-ST JOHNS NO 1 | 1,623,578 | 106,204 |
| ROSS-VANCOUVER SHIPYARD NO 1 | 361,029 | 4,569 |
| ROUNDUP-LAGRANDE NO 1 | 2,179,507 | 101,561 |

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| SACAJAWEA TAP TO ICE HARBOR-FRANKLIN NO 2 | 217,457 | 3,520 | |
| SACAJAWEA TAP TO LOWER MONUMENTAL-MCNARY NO 1 | 2,108,920 | 4,150 | |
| SACAJAWEA-SUN HARBOR NO 1 | 31,818 | 3,520 | |
| SACHEEN-ALBENI FALLS NO 1 | 1,130,388 | 35,612 | |
| SALEM-ALBANY NO 1 | 1,361,290 | 61,489 | |
| SALEM-ALBANY NO 2 | 1,240,527 | 60,319 | |
| SALEM-GRAND RONDE NO 1 | 5,060,649 | 29,653 | |
| SAMMAMISH-MAPLE VALLEY NO 1 | 1,801,866 | | |
| SAND CREEK-BONNERS FERRY NO 1 & 2(SAND CREEK-BF NO 2 SECTI | 6,647,798 | 16,389 | |
| SAND CREEK-BONNERS FERRY NO. 1 & 2 (SAND CREEK-BF NO 1 SECT | 6,647,804 | 38,374 | |
| SANTIAM SUBSTATION TRANSF BAYTAP TO SANTIAM-ALBANY NO 1 | 2,323,017 | 260 | |
| SANTIAM-ALBANY NO 1 | 984,717 | 21,749 | |
| SANTIAM-ALVEY 1 & 2, S-A 1 SECT | 3,314,769 | 56,043 | |
| SANTIAM-ALVEY 1 & 2, S-A 2 SECT | 2,987,966 | 61,041 | |
| SANTIAM-BETHEL NO 1 | 12,617,338 | 7,388 | |
| SANTIAM-CHEMAWA NO 1 | 1,744,710 | 12,812 | |
| SANTIAM-LYONS UHV XFMR 1 | 126,000 | | |
| SANTIAM-TOLEDO NO 1 | 4,407,070 | 133,230 | |
| SANTIAM-TOLEDO NO 1 ML BENTON CO | 3,933,508 | | |
| SATSOP PARK-COSMOPOLIS NO 1 | 1,124,071 | 33,926 | |
| SATSOP-ABERDEEN NO 2 | 5,398,614 | 49,774 | |
| SATSOP-ABERDEEN NO 3 | 2,402,175 | 18,521 | |
| SATSOP-SHELTON NO 1 ML MASON CO | 5,247,630 | | |
| SATSOP-SHELTON NO 1 ML THURSTON CO | 2,750,305 | | |
| SCHRAG TAP TO RUFF-WARDEN | 701,079 | 10,349 | |
| SCHULTZ-ECHO LAKE NO 1 | 65,603,696 | 61,492 | |
| SCHULTZ-RAVER NO 1 | 27,130,703 | 58,031 | |
| SCHULTZ-RAVER NO 3 | 10,273,142 | 38,034 | |
| SCHULTZ-RAVER NO 4 | 11,338,901 | 54,065 | |
| SCHULTZ-WAUTOMA NO 1 | 95,466,530 | 124,924 | |
| SCOOTENEY TAP TO MIDWAY-BENTON NO 1 | 337,805 | 23,425 | |
| SHELTON-FAIRMOUNT NO 1 | 4,077,852 | 84,735 | |
| SHELTON-FAIRMOUNT NO 2 | 3,118,258 | 56,153 | |
| SHELTON-FAIRMOUNT NO 3 | 3,179,420 | 36,068 | |
| SHELTON-FAIRMOUNT NO 4 | 2,926,202 | 40,504 | |
| SHELTON-KITSAP NO 2 | 9,376,899 | 32,660 | |
| SHELTON-KITSAP NO 3 (MASON CO) | 222,316 | | |
| SHELTON-KITSAP NO 4 | 4,003,145 | 37,222 | |
| SHELTON-SOUTH BREMERTON NO 1 | 9,302,539 | 11,237 | |
| SHULTZ-RAVER NO 4 ML KING CO | 190,718 | | |
| SHULTZ-RAVER NO 4 ML KITTITAS CO | 515,646 | | |
| SICKLER-SCHULTZ NO 1 | 11,145,747 | 41,254 | |
| SICKLER-SCHULTZ NO 1 ML CHELAN COUNTY | 144,841 | | |
| SICKLER-SCHULTZ NO 1 ML DOUGLAS COUNTY | 214,363 | | |
| SICKLER-SCHULTZ NO 1 ML KITTITAS COUNTY | 220,155 | | |
| SIFTON TAP TO N. BONN-ROSS 2 | 222,180 | 0 | |
| SIFTON TAP TO NORTH BONNEVILLE-ROSS NO 1 | 222,180 | 3,784 | |
| SIFTON-FISHERS ROAD NO 1 | 55,704 | 4,553 | |
| SIFTON-LACAMAS NO 1 | 354 | 7,449 | |
| SIFTON-ROSS NO 1 | 226,144 | 3,443 | |
| SILVERADO TAP TO PORT ANGELES-SAPPHO NO 1 | 458,627 | 138 | |
| SLATT-BUCKLEY NO 1 | 21,015,205 | 199,231 | |
| SLATT-JOHN DAY NO 1 | 4,358,495 | 13,105 | 93% |
| SLATT-JOHN DAY NO 1 ML GILLIAM CO | 270,276 | | |
| SLATT-JOHN DAY NO 1 ML SHERMAN CO | 201,410 | | |
| SNOHOMISH-BEVERLY PARK NO 3 | 328,629 | 5,632 | |
| SNOHOMISH-BEVERLY PARK NO 4 | 379,809 | 3,455 | |
| SNOHOMISH-BOTHELL NO 1 | 451,614 | 15,518 | |
| SNOHOMISH-BOTHELL NO 2 | 148,752 | 2,822 | |
| SNOHOMISH-EVERETT | 417,659 | 1,024 | |
| SNOHOMISH-MURRAY NO 1 | 429,756 | 52,336 | |
| SNOHOMISH-PUD NO 9 | 2,362,466 | 3,989 | |
| SNOHOMISH-PUD NO. 8 | 2,377,231 | 3,810 | |
| SNO-KING TAP TO ECHO LAKE-MONROE NO 1 | 4,503,601 | 13,902 | |
| SNO-KING-MAPLE VALLEY NO 1 | 1,845,243 | 1,778 | |
| SNO-KING-MAPLE VALLEY NO. 2 | 651,009 | 738 | |
| SOUTH ELMA-SATSOP PARK NO 1 | 201,759 | 12,483 | |
| SOUTH FORK TAP TO FOREST GROVE-TILLAMOOK NO 1 | 9,989 | | |
| SOUTH TACOMA-COWLITZ NO 1 | 893,383 | 16,843 | |
| SOUTH TACOMA-WHITE RIVER NO 1 | 339,175 | 23,060 | |
| SPAR CANYON - ROUND VALLEY | 1,264,435 | 33,191 | |
| SPEARFISH TAP TO CHENOWETH-GOLDENDALE NO 1 | 113,617 | 10,955 | |
| SPIRIT TAP TO COLVILLE-BOUNDARY NO 1 | 416,256 | 6,702 | |
| SPRING CREEK-WINE COUNTRY NO 1 | 3,721,747 | 21,784 | |
| ST HELENS-ALLSTON NO 1 | 5,111,661 | 27,530 | |
| ST JOHNS TAP TO KEELER-OREGONCITY NO 2 | 317,198 | 0 | |
| ST JOHNS-KEELER NO 2 | 406,700 | 77,243 | |
| ST JOHNS-ST HELENS NO 1 | 1,560,732 | 72,777 | |
| SWAN VALLEY-GOSHEN NO 1 | 4,291,759 | 44,511 | |
| SWAN VALLEY-TETON NO 1 | 2,751,164 | 68,073 | |
| SWAN VALLEY-TETON NO 2 | 12,256,729 | 44,442 | |
| TACOMA-COVINGTON NO 2 | 1,907,335 | 28,352 | |
| TACOMA-COVINGTON NO 3 | 1,240,294 | 31,367 | |
| TACOMA-COVINGTON NO 4 | 1,240,294 | 21,271 | |

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| TACOMA-RAVER NO 1&2 (NO 1 SECTION) | 4,567,297 | 56,905 |
| TACOMA-RAVER NO 1&2 (NO 2 SECTION) | 2,332,326 | 8,560 |
| TAFT-BELL NO 1 | 84,342,970 | 241,831 |
| TAFT-HOT SPRINGS NO 1 | 10,315,472 | 81,781 |
| TAHKENITCH-GARDINER NO 1 | 181,891 | 2,134 |
| TAHKENITCH-REEDSPORT NO 1 | 421,496 | 33,380 |
| TANNER TAP TO SNOQUALMIE-LAKE TRADITION NO 1 | 6,243,005 | 3,233 |
| TARGHEE TAP TO SWAN VALLEY-TETON NO 1 | 939,693 | 42,329 |
| TARGHEE-DRUMMOND NO 1 | 87,417 | 134,945 |
| Targhee-Mack's Inn Transmission Lines & Substations | 264,201 | |
| THATCHER JUNCTION TAP TO FOREST GROVE-TILLAMOOK NO 1 | 1,689 | |
| THE DALLES-DISCOVERY NO 1 | 221,839 | 4,585 |
| THURSTON-MCKENZIE NO 1 | 2,435,522 | 12,027 |
| TILLAMOOK-TRASK RIVER NO 1 | 358,808 | 1,517 |
| TIMBER TAP | 29,500 | |
| TIMBER TAP TO FOREST GROVE-TILLAMOOK NO 1 | 573,785 | 33,722 |
| TOLEDO-WENDSON NO 1 | 5,931,612 | 224,338 |
| TOWER ROAD-ALKALI NO 1 | 430,310 | 5,425 |
| TRENTWOOD-VALLEY WAY NO 1 | 249,698 | 11,223 |
| TROJAN-ALLSTON NO 1 | 1,595,833 | 5,692 |
| TROJAN-ALLSTON NO 2 | 1,584,040 | 2,543 |
| TUCANNON RIVER-NORTH LEWISTON NO 1 | 11,818,725 | 66,832 |
| UNDERWOOD TAP TO BONN-NC 1 & BONN-A 2, BONN-ALCOA TO STR 1 | 695,184 | 598 |
| UNDERWOOD TAP TO BONN-NC 1 & BONN-A 2, BONN-NC 1 TO UNDRW S | 613,629 | 47,353 |
| UNITY-HEYBURN NO 1 | 549,469 | 14,910 |
| UNITY-WEST BURLEY NO 1 | 1,931,734 | 53,831 |
| USK-BOUNDARY NO 1 | 2,080,111 | 39,192 |
| VANTAGE-COLUMBIA NO 1 | 1,207,066 | 39,974 |
| VANTAGE-HANFORD NO 1 ML BENTON CO | 386,552 | |
| VANTAGE-HANFORD NO 1 ML GRANT CO | 7,889 | |
| VANTAGE-SCHULTZ NO 1 | 5,194,512 | 18,979 |
| VANTAGE-SCHULTZ NO 1 ML KITTAS | 42,824 | |
| VERA TAP TO TRENTWOOD-VALLEY WAY NO 1 | 225,518 | 13,336 |
| VICTOR TAP TO TARGHEE TAP | 96,996 | 797 |
| WAGNER LAKE TAP TO WILBUR TAP | 441,963 | 24,733 |
| WALLA WALLA-FREEWATER | 1,331,932 | 6,566 |
| WALLA WALLA-PENDLETON NO 1 | 4,185,671 | 43,945 |
| WALLA WALLA-TUCANNAN RVIER NO 1 ML WALLA WALLA CO | 7,629,916 | |
| WALLA WALLA-TUCANNON RIVER NO 1 | 4,993,738 | 44,913 |
| WALLA WALLA-TUCANNON RIVER NO 1 ML COLUMBIA CO | 7,162,851 | |
| WALNUT CITY TAP TO FOREST-GROVE-MCMINNVILLE NO 1 | 202,305 | 14,427 |
| WAUTOMA-OSTRANDER NO 1 | 31,681,375 | 333,608 |
| WAUTOMA-OSTRANDER NO 1 ML CLACKAMAS CO | 2,548,784 | |
| WAUTOMA-OSTRANDER NO 1 ML MULTNOMAH CO | 428,957 | |
| WAUTOMA-OSTRANDER NO 1 ML SKAMANIA CO | 584,941 | |
| WAUTOMA-ROCK CREEK NO 1 | 8,615,764 | 99,078 |
| WAUTOMA-ROCK CREEK NO 1 ML BENTON CO | 94,912 | |
| WAUTOMA-ROCK CREEK NO 1 ML KLICKITAT CO | 322,701 | |
| WAUTOMA-ROCK CREEK NO 1 ML YAKIMA CO | 531,508 | |
| WENDSON-TAHKENITCH NO 1 | 3,507,825 | 51,498 |
| WENDSON-TAHKENITCH NO 2 | 2,343,750 | 30,573 |
| WEST BURLEY-HEYBURN NO. 1 (FOREIGN OWNED, SEE NOTES) | 21,218 | 12,616 |
| WESTSIDE (AVA)-BELL NO 1 | 207,587 | 3,005 |
| WHITE BLUFFS-451B NO 1 | 1,025,555 | 3,543 |
| WHITE BLUFFS-RICHLAND NO 1 | 1,698,054 | 25,442 |
| WILLOW CREEK-HAWKINS #1 | 477,053 | 3,734 |
| WINE COUNTRY-MIDWAY NO 1 | 2,763,766 | 14,302 |
| WINTHROP TAP TO TWISP-OKANOGAN | 702,769 | 20,458 |
| WNP1-ASHE NO 2 | 76,075 | 3,514 |
| XADAIR TAP TO SALEM-ALBANY NO2 | 51,854 | 1,294 |
| Subtotal Lines | 2,451,139,644 | 23,657,137 |

| Substations | Investment (\$) | O&M (\$) | Multi % |
|-------------------------------------|-----------------|-----------|---------|
| ABERDEEN SUBSTATION | 5,579,338 | 326,627 | |
| ACORD SUBSTATION (BENTON REA) | 22,142 | | |
| ADAIR SUBSTATION(BPA) | 771,251 | 86,388 | |
| ADDY SUBSTATION | 7,221,024 | 167,998 | 70% |
| AFTON COGENERATION POWER PLANT | 8,654 | | |
| AHSAHKA SUBSTATION | 22,139 | 3,274 | |
| AIRWAY HEIGHTS SUBSTATION | 27,894 | 876 | |
| ALBANY SUBSTATION | 11,439,511 | 329,588 | 88% |
| ALBENI FALLS SUBSTATION | 1,096,932 | 81,865 | 75% |
| ALCOA SUBSTATION | 7,623,590 | 534,656 | 88% |
| ALDER METERING POINT | 27,765 | 781 | |
| ALFALFA SUBSTATION | 1,615,149 | 83,863 | |
| ALKALI SUBSTATION | 61,692 | 844 | |
| ALLSTON SUBSTATION | 50,051,489 | 1,996,928 | |
| ALTURAS SUBSTATION | 21,364 | 940 | |
| ALVEY SUBSTATION | 23,054,289 | 666,514 | 74% |
| AMES LAKE SUBSTATION | 30,075 | 668 | |
| ANACONDA SUBSTATION | 3,438,684 | 404,414 | |
| ANGUS SUBSTATION (BENTON CO PUD) | 15,475 | 551 | |
| APPLEWAY SUBSTATION | 24,992 | 1,270 | |
| ARCO SUBSTATION(UTAH POWER & LIGHT) | 32,413 | 737 | |

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| ARIEL SUBSTATION | 35,332 | 1,023 | |
| ARM RELIFT SUBSTATION | 8,900 | | |
| ARMSTRONG SUBSTATION(INLAND POWER & LIGHT) | 8,286 | 922 | |
| ARTONDALE SUBSTATION | 88,106 | 8,235 | |
| ASHE SUBSTATION | 29,082,605 | 1,200,823 | 90% |
| ASHLAND SUBSTATION | 85,217 | | |
| ATHOL SUBSTATION(KOOTENAI ELEC COOP) | 19,663 | 7,591 | |
| AUSTIN SWITCHYARD | 13,635 | 1,961 | |
| BADGER CANYON SUBSTATION | 2,026,502 | 71,275 | |
| BALD MOUNTAIN SUBSTATION | 4,043,063 | 92,656 | |
| BANDON SUBSTATION | 3,425,352 | 162,521 | 75% |
| BANGOR SUBSTATION | 67,321 | 2,920 | |
| BANNACK SUBSTATION | 109,110 | 3,216 | |
| BARRETT'S SUBSTATION(VIGILANTEELECTRIC) | 28,520 | | |
| BAXTER SUBSTATION(SOLD, SEE NOTES)) | 15,519 | 2,048 | |
| BEACON SUBSTATION | 1,931 | | |
| BEAVER BAY SUBSTATION (COWLITZ PUD) | 24,843 | 837 | |
| BEAVER SUBSTATION (PGE) | 76,108 | 11,302 | |
| BEAVER SUBSTATION(TILLAMOOK PUD) | 61,093 | 20,059 | |
| BELL SUBSTATION | 73,512,797 | 3,429,532 | |
| BELLINGHAM SUBSTATION(BPA) | 11,711,269 | 310,840 | |
| BELLINGHAM SUBSTATION(PUGET SOUND ENERGY) | 2,432 | 698 | |
| BENTON CITY SUBSTATION(BENTONCO PUD) | 15,267 | 909 | |
| BENTON SUBSTATION | 7,772,465 | 269,196 | |
| BERRIAN SUBSTATION | 25,904 | | |
| BERRYDALE SUBSTATION (CLP) | 36,801 | 371 | |
| BERTELSEN SUBSTATION | 28,702 | 280 | |
| BETHEL SUBSTATION | 12,410 | 491 | |
| BETTAS ROAD SUBSTATION | 5,183,108 | 50,383 | |
| BEVERLY PARK SUBSTATION | 86,702 | 7,275 | |
| BIG EDDY SUBSTATION | 10,851,303 | 378,357 | 14% |
| BIG FORK SUBSTATION (FEC) | 6,087 | | |
| BIG HORN SUBSTATION (IBERDOLA) | 18,601 | 21,612 | |
| BIG PASCO | 13,215 | 918 | |
| BIGLOW CANYON SUBSTATION | 58,562 | 11,650 | |
| BINGEN SUBSTATION(KLICKITAT CO PUD) | 32,117 | 1,590 | |
| BLACKROCK SUBSTATION | 10,803 | 1,119 | |
| BLAINE SUBSTATION | 128,593 | 3,489 | |
| BLAKESLEE JUNCTION SWITCHING STATION | 1,082,385 | | |
| BLANTON ROAD SUBSTATION | 22,796 | 511 | |
| BOARDMAN SUBSTATION | 6,926,781 | 164,185 | |
| BONNER SUBSTATION | 45,980 | 1,728 | |
| BONNERS FERRY SUBSTATION | 1,458,704 | 69,435 | 64% |
| BOOTH BEND SUBSTATION | 11,060 | 508 | |
| BOUNDARY SUBSTATION | 3,969,456 | 341,614 | |
| BOX CANYON POWERHOUSE | 56,157 | 1,110 | |
| BOYER SWITCHING STATION | 21,947 | 14,266 | |
| BRASADA SUBSTATION (CENTRAL ELECTRIC COOPERATIVE) | 492,476 | 44,999 | |
| BREMERTON SUBSTATION (PSE) | 57,828 | 176 | |
| BREWSTER SUBSTATION | 36,031 | 473 | |
| BRIDGE SUBSTATION | 4,911,447 | 140,552 | |
| BRIDGEPORT BAR (BOOST) | 7,651 | 2,465 | |
| BRIDGEPORT BAR (PUMP) | 8,356 | | |
| BRINCKEN'S CORNER SUBSTATION | 922,405 | 43,135 | |
| BROADMOOR SUBSTATION | 56,805 | 1,121 | |
| BROADVIEW SUBSTATION | 123,479 | | |
| BROOKDALE SUBSTATION(ELMHURSTMUTUAL PWR & LIGHT) | 82,392 | 2,802 | |
| BROOKDALE SUBSTATION(TACOMA PUBLIC UTILITIES) | 43,391 | | |
| BUCKLEY SUBSTATION | 3,262,522 | 133,110 | 36% |
| BURBANK #2 METERING POINT | 10,340 | | |
| BURBANK #3 METERING POINT | 9,282 | | |
| BURLEY SUBSTATION(CITY OF BURLEY) | 8,862 | 628 | |
| CABINET GORGE SUBSTATION | 86,571 | 1,097 | |
| CALPINE SUBSTATION | 25,548 | 14,000 | |
| CANAL SUBSTATION | 1,774,559 | 40,325 | |
| CANBY SUBSTATION(BPA) | 1,616,374 | 42,629 | |
| CANBY SUBSTATION(PGE) | 28,591 | 491 | |
| CANBY SUBSTATION(SURPRISE VALLEY ELEC) | 84,531 | 12,033 | |
| CAPE HORN SUBSTATION | 28,175 | 5,418 | |
| CARDWELL SUBSTATION | 2,303,416 | 157,409 | |
| CARLIN SUBSTATION | 7,918 | | |
| CARLSON SUBSTATION | 29,249 | | |
| CARLTON SUBSTATION | 6,103,198 | 311,806 | |
| CARMEN POWERHOUSE | 31,287 | 1,072 | |
| CARSON SUBSTATION | 2,593 | 4,155 | |
| CASCADE STEEL SUBSTATION | 87,356 | 1,885 | |
| CATHLAMET SUBSTATION | 59,110 | 4,274 | |
| CEDARVILLE CITY SUBSTATION | 22,896 | | |
| CEDARVILLE JUNCTION SUBSTATION | 731,274 | 112,775 | |
| CENTRAL FERRY SUBSTATION | 1,352,132 | 69,866 | |
| CENTRALIA MINES SUBSTATION | 5,778 | | |
| CENTRALIA SUBSTATION | 1,680,624 | 71,664 | |
| CENTRALIA SWITCHING STATION | 176,972 | 847 | |
| CENTRALIA THERMAL POWERHOUSE | 15,230 | 1,333 | |

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| | | | |
|---|------------|-----------|-----|
| CHALLIS SUBSTATION | 26,328 | | |
| CHEHALIS SUBSTATION | 15,921,614 | 794,359 | |
| CHELATCHIE SUBSTATION | 17,442 | 624 | |
| CHEMAWA SUBSTATION | 16,637,079 | 1,330,613 | |
| CHEMICAL SUBSTATION | 127,756 | | |
| CHENEY SUBSTATION | 338,981 | 1,320 | |
| CHENOWETH SUBSTATION | 7,290,514 | 158,951 | |
| CHERRY CREEK SUBSTATION | 8,426 | 5,237 | |
| CHESHIRE SUBSTATION (EPUD) | 104,113 | 1,652 | |
| CHEVRON SUBSTATION | 20,231 | 3,504 | |
| CHEWELAH SUBSTATION | 26,994 | 2,539 | |
| CHIEF JOSEPH SUBSTATION | 23,073,926 | 1,819,530 | 72% |
| CHRISTMAS VALLEY SUBSTATION | 36,342 | 624 | |
| CITY VIEW SUBSTATION | 29,453 | 1,485 | |
| CLARK SUB | 21,851 | | |
| CLARKSTON SUBSTATION | 532,252 | 45,368 | |
| CLATSKANIE SUBSTATION (CLATSKANIE PUD) | 12,340 | 8,596 | |
| CLATSOP SUBSTATION | 2,322,572 | 291,026 | |
| CLAYTON SUBSTATION | 28,441 | 6,990 | |
| CLINTON SUBSTATION (SOLD) | 5,411 | 2,797 | |
| COASTAL ENERGY GENERATING PLANT | 10,371 | 13,885 | |
| COEUR D'ALENE 15TH STREET SUBSTATION | 37,103 | 461 | |
| COFFIN BUTTE GENERATING PLANT | 9,770 | 5,406 | |
| COLD CREEK SUBSTATION | 41,821 | 7,766 | |
| COLLINS LAKE SUBSTATION | 15,858 | | |
| COLLINS SUBSTATION | 18,228 | 1,559 | |
| COLUMBIA CREST SUBSTATION | 15,608 | 1,417 | |
| COLUMBIA FALLS SUBSTATION -- 115 YARD | 3,436,193 | 444,141 | |
| COLUMBIA FALLS SUBSTATION - 230 KV YARD | 12,038,998 | 63,732 | |
| COLUMBIA SUBSTATION | 25,420,672 | 1,218,316 | |
| COLVILLE SUBSTATION | 4,141,976 | 215,960 | |
| COMBINE HILLS II SUBSTATION (EURUS EGY) | 44,832 | 13,298 | |
| CONDON SUBSTATION | 41,086 | 1,364 | |
| CONDON WIND SUBSTATION(SEAWEST) | 72,793 | 28,665 | |
| CONKELLEY SUBSTATION | 5,163,841 | 210,660 | 45% |
| CONNELL SUBSTATION | 746,801 | 13,616 | |
| CORVALLIS SUBSTATION | 14,452 | 437 | |
| COSMOPOLIS SUBSTATION | 1,392,400 | 148,635 | |
| COTTONWOOD METERING POINT(BPA) | 54,681 | 1,809 | |
| COVINGTON SUBSTATION | 36,002,595 | 3,373,883 | |
| COW CREEK SUBSTATION (UIUC) | 14,830 | 982 | |
| COWLITZ FALLS POWERHOUSE | 72,665 | 5,373 | |
| COWLITZ SUBSTATION(TACOMA PUBLIC UTILITIES) | 368,188 | 2,572 | |
| COWLITZ SUBSTATION(BPA) | 2,704,197 | 115,612 | |
| COYOTE SPRINGS SUBSTATION | 4,532,741 | 4,806 | |
| CRAIGMONT SUBSTATION | 56,390 | 2,935 | |
| CRESTON SUBSTATION(BPA) | 1,523,306 | 79,630 | |
| CRESWELL SUBSTATION | 31,204 | 735 | |
| CURLEW SUBSTATION | 10,717 | 913 | |
| CUSICK SUBSTATION | 1,806,564 | 66,119 | |
| CUSTER SUBSTATION | 36,147,567 | 2,286,811 | |
| DARBY SUBSTATION | 23,882 | 2,307 | |
| DAYTON SUBSTATION(BPA & COLUMBIA REA) | 52,456 | 1,227 | 14% |
| DAYTON SUBSTATION(MASON COUNTY) | 42,516 | 1,945 | |
| DE MOSS SUBSTATION(BPA) | 1,613,994 | 145,537 | |
| DECLO METERING POINT | 43,494 | 2,725 | |
| DEER PARK SUBSTATION | 461,637 | 34,311 | |
| DELENA SUBSTATION | 60,981 | 5,749 | |
| DELIGHT SUBSTATION | 34,597 | 1,322 | |
| DELL SUBSTATION | 30,156 | 5,132 | |
| DEXTER SUBSTATION (LANE ELECTRIC) | 24,525 | 1,375 | |
| DILLARD SUBSTATION | 17,335 | 1,274 | |
| DILLON SUBSTATION | 28,985 | 2,894 | |
| DILLON-SALMON SUBSTATION | 110,343 | 1,134 | |
| DISCOVERY BAY SUBSTATION | 22,832 | 234 | |
| DISCOVERY SUBSTATION (N. WASCO PUD) | 124,219 | 31,607 | |
| DIVIDE SUBSTATION | 22,748 | 1,883 | |
| DIXON SUBSTATION | 3,481,862 | 93,797 | |
| DOE 251W SUBSTATION | 12,982 | 844 | |
| DOE 451A SUBSTATION | 11,839 | 32 | |
| DOE 451B SUBSTATION | 21,042 | 4,694 | |
| DONALD NYS SUBSTATION | 9,822 | | |
| DOOLEY SUBSTATION (WINDY POINT) | 25,389 | 25,768 | |
| DORENA SUBSTATION | 195,315 | 53,166 | |
| DOVER SWITCHING STATION | 18,324 | 351 | |
| DOWER SUBSTATION | 30,249 | 290 | |
| DRAIN SUBSTATION | 2,664,627 | 119,742 | 91% |
| DREWSEY METERING POINT (IPCO) | 6,039 | | |
| DRISCOLL SUBSTATION | 6,515,691 | 246,437 | |
| DROP PLANT PUMPING PLANT | 8,779 | | |
| DRUMMOND MONTANA SUBSTATION | 4,352 | | |
| DRUMMOND SUBSTATION | 10,838,386 | 645,798 | |
| DUCKABUSH SUBSTATION | 37,560 | 1,613 | |
| DUTCH CANYON SUBSTATION | 15,947 | | |

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|---|------------|-----------|-----|
| DWORSHAK SUBSTATION | 20,299,284 | 347,262 | 82% |
| EAGLE POINT METERING POINT | 23,907 | 1,098 | |
| EAST BENCH SUBSTATION | 29,447 | 791 | |
| EAST COLFAX SUBSTATION | 6,054 | 2,393 | |
| EAST FOSSIL SUBSTATION | 50,617 | 492 | |
| EAST GREENACRES #1 METERING POINT | 9,045 | | |
| EAST GREENACRES #2 METERING POINT | 7,420 | | |
| EAST GREENACRES #3 METERING POINT | 8,778 | | |
| EAST HILLS SUBSTATION | 537,847 | 34,800 | |
| EAST OMAK SUBSTATION | 3,994,043 | 278,867 | |
| EAST PINE SUBSTATION | 19,963 | | |
| EAST SUBSTATION | 4,388 | | |
| ECHO LAKE SUBSTATION | 31,905,404 | 353,827 | |
| EGYPT SUBSTATION | 29,691 | 612 | |
| EIGHT MILE CREEK METERING POINT | 229,192 | | |
| ELBE SUBSTATION | 27,620 | 5,101 | |
| ELLENSBURG SUBSTATION | 1,239,887 | 289,675 | |
| ELM STREET SUBSTATION | 14,496 | 7,263 | |
| ELMA SUBSTATION | 686,902 | 71,045 | |
| ELMAR SUBSTATION | 33,016 | 1,550 | |
| ELMO SUBSTATION(MVP) | 48,586 | 1,390 | |
| ELTOPIA BRANCH CANAL POWERHOUSE | 14,336 | 397 | |
| ELTOPIA SUBSTATION(SOLD) | 24,590 | 1,012 | |
| ELY SUBSTATION | 35,905 | 368 | |
| EMERGENCY OPERATING FACILITY | 44,194 | 9,921 | |
| ENDERSBY SUBSTATION | 9,311 | 7,466 | |
| ENERGIZER SUBSTATION (KPUD) | 23,969 | 33,515 | |
| ENTERPRISE SUBSTATION | 21,193 | 701 | |
| EUGENE SUBSTATION | 6,050,935 | 162,896 | |
| EUREKA SUBSTATION (LINCOLN ELEC) | 37,497 | 5,608 | |
| EVERGREEN PUMP STATION | 24,923 | 3,225 | |
| EWAN SUBSTATION | 8,238 | 140 | |
| FAIRCHILD AIR FORCE BASE NORTH SUBSTATION | 25,055 | 1,383 | |
| FAIRCHILD AIR FORCE BASE SOUTH SUBSTATION | 34,734 | 4,083 | |
| FAIRFIELD SUBSTATION | 22,634 | | |
| FAIRMOUNT SUBSTATION | 15,089,480 | 371,058 | |
| FAIRVIEW SUBSTATION(BPA) | 11,843,483 | 792,214 | |
| FEEDVILLE SUBSTATION (UEC) | 6,548 | 865 | |
| FERN HILL SUBSTATION | 13,666 | 1,806 | |
| FERN RIDGE SUBSTATION (LANE ELECTRIC) | 16,530 | 1,698 | |
| FERNDALE SUBSTATION | 17,315 | 751 | |
| FIDALGO SUBSTATION | 4,642,101 | 173,713 | |
| FILBERT SUBSTATION(CITY OF FOREST GROVE) | 15,622 | | |
| FINLEY SUBSTATION (BENTON COUNTY PUD) | 10,473 | 455 | |
| FIRST LIFT SUBSTATION | 28,131 | | |
| FIRST STREET SUBSTATION | 69,550 | 1,897 | |
| FISHERS ROAD SUBSTATION | 6,861 | | |
| FLATHEAD SUBSTATION(BPA & FLATHEAD ELEC) | 5,621,981 | 185,193 | |
| FLORENCE SUBSTATION (CENTRAL LINCLON PUD) | 17,351 | 1,152 | |
| FORDS PRAIRIE SUBSTATION(CITYOF CENTRALIA) | 38,555 | 1,014 | |
| FORDS PRAIRIE SUBSTATION(LEWIS CO PUD) | 25,993 | 3,613 | |
| FOREST GROVE SUBSTATION | 5,137,437 | 96,977 | |
| FORT ROAD METERING POINT | 23,768 | 575 | |
| FORT ROCK SUBSTATION (MIDSTATE ELECTRIC COOP) | 2,580 | | |
| FOSSIL SUBSTATION | 1,215,681 | 151,974 | |
| FOSTER CREEK SUBSTATION(NESPELEM VALLEY ELEC) | 56,093 | 11,502 | |
| FOSTER CREEK SUBSTATIONDOUGLAS CO PUD) | 33,214 | | |
| FOSTER WELLS SUBSTATION | 87,713 | 491 | |
| FOUR LAKES SUBSTATION | 67,720 | 7,059 | |
| FOURTH AND HERALD SUBSTATION | 18,003 | | |
| FRANKLIN SUBSTATION | 7,363,748 | 777,061 | 80% |
| FRANZ HOLMES SUBSTATION | 152,954 | 1,680 | |
| FREEWATER SUBSTATION(BPA) | 1,737,632 | 26,301 | |
| FRENCHMAN HILLS SUBSTATION | 14,788 | 554 | |
| FRENCHMAN SPRINGS SUBSTATION | 19,285 | 1,892 | |
| FRENCHTOWN SUBSTATION (SOLD) | 24,770 | 3,298 | |
| FROMAN SUBSTATION | 10,025 | 1,345 | |
| GARIBALDI SUBSTATION(TILLAMOOK PUD) | 350,237 | 12,104 | |
| GARRISON SUBSTATION | 47,482,147 | 1,040,173 | 66% |
| GATES OF THE MOUNTAINS METERING POINT | 7,949 | 3,290 | |
| GEISEL MONUMENT SUBSTATION | 37,685 | 930 | |
| GEM STATE HYDRO PLANT | 10,421 | 397 | |
| GEORGIA PACIFIC SUBSTATION(PSE) | 69,838 | 477 | |
| GIG HARBOR SUBSTATION | 59,167 | 3,058 | |
| GILMER SUBSTATION(KLICKITAT CO PUD) | 22,504 | 550 | |
| GLASGOW SUBSTATION | 30,939 | 2,080 | |
| GLENOMA SUBSTATION | 52,158 | 1,057 | |
| GLENWOOD SUBSTATION | 40,100 | 1,094 | |
| GOBLE SUBSTATION | 29,349 | 746 | |
| GOLD BAR SUBSTATION | 20,053 | 466 | |
| GOLD BEACH SUBSTATION | 129,528 | 22,841 | |
| GOLDENDALE SUBSTATION(BPA) | 1,220,930 | 78,601 | |
| GOOSE LAKE SUBSTATION(NESPELEM VALLEY ELEC) | 6,433 | 3,277 | |
| GORMLEY SUBSTATION (MCMINNVILLE W & L) | 47,378 | | |

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|---|------------|-----------|-----|
| GOSHEN SUBSTATION(PACIFICORP) | 2,479,756 | | |
| GOSHEN SUBSTATION(UTAH POWER & LIGHT) | 2,694,047 | 529,264 | |
| GRAND COULEE #2 METERING POINT | 10,705 | 6,814 | |
| GRAND COULEE SUBSTATION | 385,862 | 5,451 | |
| GRAND RONDE SUBSTATION | 31,005 | 1,011 | |
| GRANDVIEW SUBSTATION | 3,490,379 | 193,697 | |
| GRANGEVILLE SUBSTATION | 1,434 | | |
| GRANTS DALE SUBSTATION | 5,648 | 337 | |
| GRAYS HARBOR FACILITY NO 1 (GRAYS HARBOR ENE) | 11,252 | 11,715 | |
| GRAYS RIVER SUBSTATION | 61,344 | 7,689 | |
| GREAT WESTERN MALTING COMPANYSUBSTATION (RETIRED) | 9,499 | | |
| GREEN VALLEY SUBSTATION | 2,787,339 | 36,220 | |
| GREENTIMBER SUBSTATION | 37,716 | 329 | |
| GROUSE CREEK METERING POINT | 13,002 | 1,944 | |
| GUM STREET SUBSTATION | 20,554 | 702 | |
| H2F SUBSTATION | 23,867 | 98 | |
| HAAKENSON SUBSTATION | 106,056 | 2,786 | |
| HAGEN SUBSTATION | 48,927 | 333 | |
| HALF MOON SUBSTATION(INLAND POWER & LIGHT) | 20,346 | 574 | |
| HAMPTON SUBSTATION | 73,268 | 2,037 | |
| HANFORD SUBSTATION | 24,766,759 | 634,302 | |
| HANNA SUBSTATION(DOUGLAS CO PUD) | 5,942 | | |
| HAPPY VALLEY SUBSTATION | 3,420,224 | 133,763 | |
| HARNEY SUBSTATION(BPA) | 7,673,059 | 200,385 | |
| HARVALUM SUBSTATION | 3,172,717 | 140,900 | |
| HARVEST WIND SUBSTATION (KPU D) | 25,283 | 24,595 | |
| HARVEY SUBSTATION | 292,372 | | |
| HASKILL SUBSTATION | 35,947 | 19,685 | |
| HASKINS METERING POINT | 7,710 | 3,515 | |
| HAT ROCK SUBSTATION | 5,040,308 | 97,948 | |
| HATTON SUBSTATION(SOLD) | 21,007 | 2,452 | |
| HATWAI SUBSTATION | 10,175,667 | 593,106 | |
| HAUSER SUBSTATION(BPA) | 185,541 | 34,671 | |
| HAUSER SUBSTATION(CENTRAL LINCOLN PUD) | 27,964 | 168 | |
| HAWK ROAD METERING POINT | 17,340 | 906 | |
| HAWKINS SUBSTATION | 10,130 | 237 | |
| HAY CANYON SUBSTATION (IBERDOLA) | 37,783 | 15,038 | |
| HAY MILL SUBSTATION (UNITED ELEC & CITY OF RUPERT) | 228,286 | 39,341 | |
| HAYDEN SUBSTATION | 35,420 | 294 | |
| HAYFORD SUBSTATION(INLAND POWER & LIGHT) | 14,000 | 681 | |
| HEBO SUBSTATION | 389,712 | 55,608 | |
| HEDGES SUBSTATION(BENTON CO PUD) | 14,917 | 478 | |
| HEGLAR SUBSTATION | 34,766 | 5,807 | |
| HEIMARK METERING POINT | 37,535 | | |
| HEPPNER GENERATING STATION | 27,447 | | |
| HERMISTON BUTTE (UEC) | 20,111 | 2,755 | |
| HEYBURN SUBSTATION | 9,366,751 | 234,896 | |
| HIDEAWAY SUBSTATION (LANE ELECTRIC) | 10,025 | 2,023 | |
| HIGHLANDS SUBSTATION(BENTON CO PUD) | 13,750 | 961 | |
| HILLTOP SUBSTATION | 27,323 | 103,214 | |
| HILTON LAKE SUBSTATION | 28,003 | 1,053 | |
| HINES SUBSTATION | 32,533 | 1,708 | |
| HOLCOMB SUBSTATION | 623,072 | 90,092 | |
| HOOD RIVER SUBSTATION | 608,322 | 54,369 | 49% |
| HOODOO SUBSTATION | 9,803 | 778 | |
| HOPE VALLEY METERING POINT | 13,403 | | |
| HOPKINS RIDGE SUBSTATION | 29,306 | 5,931 | |
| HORN BUTTE SUBSTATION (INVENERGY WIND) | 29,306 | 21,060 | |
| HORN RAPIDS SUBSTATION | 30,595 | 5,822 | |
| HORSE HEAVEN SUBSTATION | 2,982,891 | 109,209 | |
| HOT SPRINGS SUBSTATION | 18,374,362 | 1,560,181 | |
| HUGHS SUBSTATION(SALEM ELEC COOP) | 40,198 | 5,973 | |
| IDAHO FALLS SUBSTATION | 2,983 | 6,771 | |
| IDAHOME SUBSTATION | 464,176 | 40,455 | |
| IMRIE SUBSTATION (PACW) | 28,340 | 34,024 | |
| INTALCO SUBSTATION | 659,933 | 25,152 | 4% |
| IONE SUBSTATION | 501,424 | 65,529 | 64% |
| IRBY SUBSTATION | 337,734 | 26,532 | |
| IRRIGRO SUBSTATION | 4,436 | | |
| JENKINS SUBSTATION | 183,601 | 1,346 | |
| JERICHO PUMPING PLANT | 36,866 | 762 | |
| JIGGS-LEE METERING POINT | 22,773 | | |
| JIM CREEK SUBSTATION | 20,733 | 1,070 | |
| JOHN CURTIS SUBSTATION | 76,330 | 1,710 | |
| JOHN DAY CONSTRUCTION SUBSTATION | 38,025 | 1,190 | |
| JOHN DAY SUBSTATION | 18,359,456 | 394,040 | 46% |
| JOHN DAY SUBSTATION - 230 YARD | 28,114,749 | 148,339 | |
| JOHNS PRAIRIE SUBSTATION | 36,662 | 539 | |
| JONES CANYON SUBSTATION | 16,745,285 | 139,408 | |
| JONES SUBSTATION | 5,407 | 254 | |
| JULIAETTA SUBSTATION | 11,005 | 1,286 | |
| JUNCTION CITY SUBSTATION(BLACHLY-LANE CO ELEC COOP) | 5,106 | 1,118 | |
| JUNIPER CANYON I SUBSTATION (IR INC.) | 8,697 | 13,822 | |
| KALISPELL SUBSTATION(BPA) | 5,339,069 | 283,312 | |

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| KAMIAH SUBSTATION | 19,894 | 1,970 | |
| KEELER SUBSTATION | 63,892,506 | 3,796,005 | |
| KELLER SUBSTATION | 464,356 | 28,967 | |
| KELTON SUBSTATION | 21,825 | 4,739 | |
| KENNEDY SUBSTATION | 34,007 | 4,616 | |
| KENNEWICK SUBSTATION(BENTON CO PUD) | 23,070 | 961 | |
| KERR SUBSTATION(BPA) | 1,148,217 | 87,649 | |
| KETTLE FALLS SUBSTATION | 5,249 | 2,295 | |
| KITSAP SUBSTATION | 12,858,338 | 428,027 | |
| KLONDIKE SCHOOLHOUSE SUBSTATION (IBERDOLA) | 27,902 | 8,622 | |
| KLONDIKE SUBSTATION | 99,054 | (29,955) | |
| KNAPPA SVENSEN SUBSTATION | 2,188 | 318 | |
| KOOSKIA SUBSTATION | 21,459 | 1,086 | |
| LA GRANDE SUBSTATION | 7,320,433 | 141,047 | |
| LA PINE SUBSTATION | 11,685,487 | 262,103 | |
| LAGOON SUBSTATION | 22,101 | 558 | |
| LAGRANDE POWERHOUSE | 18,997 | | |
| LAKE BAY SUBSTATION | 7,193 | 1,721 | |
| LAKE GROVE SUBSTATION | 62,954 | 1,027 | |
| LAKE LENORE #1 IRRIGATION PUMP | 12,122 | 353 | |
| LAKE LENORE #2 IRRIGATION PUMP | 12,736 | 507 | |
| LAKESIDE SUBSTATION (CLP) | 21,534 | 5,161 | |
| LAKESIDE SUBSTATION (FEC) | 22,744 | 1,645 | |
| LAKEVIEW SUBSTATION | 59,059 | 1,223 | |
| LANCASTER SUBSTATION(BPA) | 365,490 | 146,274 | |
| LANE SUBSTATION | 14,081,932 | 499,309 | |
| LARENE SUBSTATION (INLAND) | 440 | 536 | |
| LATERAL 4 METERING POINT | 42,935 | 10,605 | |
| LATHAM SUBSTATION | 89,194 | 916 | |
| LEBANON SUBSTATION | 1,414,297 | 61,122 | |
| LEVEY SUBSTATION | 488,961 | 99,037 | |
| LEWIS & CLARK SUBSTATION | 7,015 | | |
| LEXINGTON SUBSTATION | 3,877,023 | 293,420 | |
| LIBBY SUBSTATION(BPA) | 5,480,815 | 398,239 | 82% |
| LIBBY SUBSTATION(BPA/FLATHEADELEC) | 674,984 | 44,442 | |
| LINDEN SUBSTATION (KPUD) | 9,771 | | |
| LION MOUNTAIN SUBSTATION | 47,515 | 4,494 | |
| LITTLE FALLS GENERATING PLANT | 3,547 | | |
| LITTLE GOOSE SUBSTATION | 9,987,953 | 227,082 | 80% |
| LOCUST SUBSTATION | 32,812 | 5,074 | |
| LODHOLM SUBSTATION | 59,434 | 1,745 | |
| LOLO SUBSTATION(MPC) | 16,060 | 742 | |
| LONE PINE SUBSTATION(PACIFICORP) | 26,796 | | |
| LONGVIEW SUBSTATION | 32,857,948 | 622,706 | |
| LOOKINGGLASS SUBSTATION(BPA) | 329,093 | 11,143 | |
| LOOKOUT POINT SUBSTATION | 1,660,895 | 38,326 | 75% |
| LOPEZ ISLAND SUBSTATION(BPA) | 6,976,972 | 359,908 | |
| LOST RIVER SUBSTATION | 1,796,729 | 68,607 | |
| LOW GAP METERING POINT | 11,133 | 396 | |
| LOWER BULB GENERATING PLANT | 16,027 | | |
| LOWER GRANITE SUBSTATION | 6,286,197 | 231,545 | 75% |
| LOWER MONUMENTAL SUBSTATION | 16,526,624 | 247,469 | 88% |
| LOWER WOODCHUCK SUBSTATION | 34,740 | 834 | |
| LUHR BEACH SUBSTATION | 58,733 | 953 | |
| LUMP GULCH SUBSTATION | 20,312 | 3,125 | |
| LYLE SUBSTATION | 48,978 | 905 | |
| LYN PUMPS PUMPING PLANT | 28,149 | | |
| MABTON SUBSTATION | 1,352,795 | 28,461 | |
| MACKAY SUBSTATION | 198,886 | | |
| MACKS INN SUBSTATION | 429,291 | 106,581 | |
| MADISON SUBSTATION | 1,559,262 | 57,166 | |
| MAPLE VALLEY SUBSTATION | 67,243,376 | 1,059,291 | |
| MAPLETON SUBSTATION | 387,996 | 55,199 | 68% |
| MARENGO SUBSTATION | 28,220 | 1,417 | |
| MARION SUBSTATION | 32,498,176 | 1,362,094 | 91% |
| MARTIN CREEK SUBSTATION | 4,342,343 | 83,418 | |
| MASHEL PRAIRIE SUBSTATION (OHOP) | 131,931 | 6,179 | |
| MASON SUBSTATION(MASON CO PUDNO 3) | 13,759 | 1,083 | |
| MAUPIN SUBSTATION | 1,872,509 | 165,251 | |
| MAYFIELD POWERHOUSE | 3,167 | | |
| MAYFIELD SWITCHYARD | 202,128 | 6,288 | |
| MAYVIEW SUBSTATION (INLAND POWER) | 100,985 | 1,252 | |
| MCCULLOUGH SUBSTATION | 29,139 | 592 | |
| MCKENZIE SUBSTATION(EWEB) | 47,720 | 1,304 | |
| MCLOUGHLIN SUBSTATION | 329,193 | 94,786 | |
| MCMINNVILLE SUBSTATION | 1,913,615 | 189,197 | |
| MCNARY SUBSTATION | 45,035,199 | 1,253,471 | 88% |
| MESA SUBSTATION(SOLD, SEE NOTES) | 91,656 | 1,945 | |
| METALINE FALLS SUBSTATION(PEND OREILLE CO PUD) | 14,425 | 459 | |
| MIDWAY SUBSTATION(BPA) | 13,660,138 | 739,649 | |
| MILAN SUBSTATION | 27,672 | 871 | |
| MILL PLAIN SUBSTATION | 3,331 | | |
| MILL PRIMARY SUBSTATION | 44,409 | | |
| MILLER SUBSTATION(LAKEVIEW LIGHT & PWR) | 123,121 | 4,122 | |

Appendix A
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| | | | |
|---|------------|-----------|-----|
| MILTON SUBSTATION(CITY OF MILTON FREEWATER) | 141,908 | 17,039 | |
| MINICO SUBSTATION (UNITED ELECTRIC) | 12,493 | 5,824 | |
| MINT FARM SWITCHING STATION | 12,566 | 22,059 | |
| MISSION SUBSTATION | 4,255 | 316 | |
| MIST SUBSTATION | 50,488 | 15,425 | |
| MOAB SUBSTATION | 27,824 | 758 | |
| MOHLER SUBSTATION(TILLAMOOK PUD) | 29,278 | 16,110 | |
| MONROE SUBSTATION | 38,863,604 | 1,498,509 | |
| MORRISON SUBSTATION | 17,456 | | |
| MOSCOW SUBSTATION | 13,897 | 1,950 | |
| MOSSYROCK SUBSTATION | 17,122 | | |
| MOSSYROCK SWITCHYARD | 47,727 | 3,843 | |
| MOUNTAIN HOME SUBSTATION(IDAHO POWER) | 67,338 | 3,747 | |
| MOUNTAIN VIEW SUBSTATION(MASON CO PUD NO 3) | 29,452 | 427 | |
| MOXEE SUBSTATION | 2,368,692 | 112,715 | |
| MOYIE DAM | 32,179 | 500 | |
| MT. HALL SUBSTATION | 15,208 | 2,536 | |
| MT. VERNON SUBSTATION(SPRINGFIELD UTILITY BOARD) | 7,307 | 467 | |
| MURRAY SUBSTATION | 9,164,934 | 862,904 | |
| NAPAVINE SUBSTATION | 848,895 | 70,318 | |
| NARROWS SUBSTATION | 96,416 | 1,094 | |
| NASELLE SUBSTATION | 4,091,803 | 191,807 | |
| NEFF ROAD METERING POINT | 46,637 | 714 | |
| NEWCOMB SUBSTATION(SOLD) | 28,362 | 539 | |
| NEWPORT SUBSTATION(INLAND POWER) | 262,468 | 1,639 | |
| NINE CANYON SUBSTATION (BENTON PUD) | 85,656 | 17,017 | |
| NINE MILE SUBSTATION (FPLE) | 42,950 | 15,755 | |
| NORTH BEND SUBSTATION | 39,582 | 653 | |
| NORTH BONNEVILLE SUBSTATION | 6,518,101 | 264,654 | 63% |
| NORTH BROOKINGS SUBSTATION | 439,706 | 21,962 | |
| NORTH LEWISTON SUBSTATION | 20,900 | 701 | |
| NORTH PASCO SUBSTATION | 59,484 | 2,769 | |
| NORTH PORT SUBSTATION (CCL) | 25,067 | 514 | |
| NORTH POWDER SUBSTATION | 4,392 | | |
| NOTI CREEK SUBSTATION | 114,195 | 7,324 | |
| NOXON CONSTRUCTION SUBSTATION | 171,881 | 1,133 | |
| NOXON DAM POWERHOUSE | 50,959 | | |
| NOXON SWITCHYARD | 3,248 | 3,275 | |
| OAK KNOLL SUBSTATION | 17,403 | 1,450 | |
| OAKRIDGE SUBSTATION (LANE ELECTRIC) | 156,911 | 10,970 | |
| ODESSA SUBSTATION | 816,570 | 54,723 | |
| O'GARA SUBSTATION | 1,305 | 1,527 | |
| OHOP SUBSTATION | 61,175 | 7,390 | |
| OKANOGAN SUBSTATION | 10,025 | 2,417 | |
| OLD LOWER GENERATING PLANT | 7,514 | | |
| OLINDA SUBSTATION | 100,792 | | |
| OLNEY METERING POINT | 35,014 | 170 | |
| OLYMPIA SUBSTATION | 32,734,115 | 1,337,423 | |
| OLYMPIC PIPELINE | 12,580 | 540 | |
| OMAK SUBSTATION | 13,613 | 955 | |
| OPHIR SUBSTATION | 11,385 | | |
| OPPORTUNITY SUBSTATION | 15,961 | 1,154 | |
| OREGON CITY SUBSTATION | 4,969,744 | 200,432 | |
| OREMET SUBSTATION | 31,352 | | |
| OSTRANDER SUBSTATION | 30,780,723 | 1,483,524 | |
| OTHELLO SUBSTATION | 69,527 | | |
| OUTBACK SOLAR GENERATING PLANT (OUTBACK SOLAR, LLC) | 26,907 | | |
| OVANDO SUBSTATION | 1,485,661 | 78,160 | |
| OXBOW SUBSTATION(PACIFIC CO PUD) | 14,180 | 1,918 | |
| PACIFIC SUBSTATION | 39,385 | 3,795 | |
| PACKWOOD POWERHOUSE | 21,911 | 6,353 | |
| PACKWOOD SUBSTATION | 59,119 | | |
| PARKDALE SUBSTATION | 628,684 | 25,805 | 51% |
| PARKLAND SUBSTATION | 20,439 | | |
| PASCO SUBSTATION | 97,900 | 283 | |
| PATEROS SUBSTATION | 11,455 | | |
| PATERSON SUBSTATION | 19,705 | | |
| PATTON VALLEY METERING POINT | 17,235 | | |
| PATU SUBSTATION | 5,875 | | |
| PAUL SUBSTATION | 14,103,128 | 754,829 | |
| PE ELL SUBSTATIONLEWIS CO PUD) | 16,913 | 2,906 | |
| PEARL SUBSTATION | 39,770,497 | 1,437,386 | |
| PEBBLE SPRINGS SUBSTATION (IBERDOLA) | 192,912 | | |
| PENDERGAST SUBSTATION | 5,409 | 222 | |
| PENDLETON SUBSTATION | 43,283 | 46,160 | |
| PHILLIPS SUBSTATION | 51,248 | 722 | |
| PIHL ROAD METERING POINT | 12,687 | 226 | |
| PIKE METERING POINT | 46,084 | 2,469 | |
| PILOT ROCK SUBSTATION | 166,943 | 961 | |
| PINE HOLLOW SUBSTATION | 9,950 | 2,311 | |
| PIONEER SUBSTATION | 26,068 | | |
| PLEASANT HILL SUBSTATION | 25,938 | 296 | |
| PLEASANT VIEW SUBSTATION | 6,044 | 319 | |
| PLUMMER SUBSTATION | 55,840 | 1,113 | |

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| | | | |
|--|------------|-----------|-----|
| PLYMOUTH SUBSTATION | 41,633 | 528 | |
| POINT OF ROCKS SUBSTATION | 47,044 | 1,209 | |
| POMEROY SUBSTATION(BPA) | 85,125 | 57,557 | |
| PONDEROSA SUBSTATION(BPA) | 11,102,113 | 277,624 | |
| POPCORN HILL METERING POINT | 22,116 | | |
| PORT ANGELES SUBSTATION(BPA) | 17,438,884 | 1,020,647 | |
| PORT ANGELES SUBSTATION(ITT RAYONIER) | 465,014 | | |
| PORT ORFORD SUBSTATION | 38,845 | 4,264 | 9% |
| PORT TOWNSEND SUBSTATION | 54,323 | 4,112 | |
| POTHOLES EAST CANAL GENERATING PLANT | 14,299 | 862 | |
| POTHOLES SUBSTATION | 4,230,633 | 313,397 | |
| POTLATCH SUBSTATION(AVISTA) | 34,912 | 2,789 | |
| POTLATCH SUBSTATION(BPA) | 932,667 | 51,550 | 83% |
| POWERLINE SUBSTATION | 22,086 | 431 | |
| PRAIRIE SUBSTATION(WWP & KOOTENAI ELEC COOP) | 15,691 | 474 | |
| PRIEST RIVER SUBSTATION(AVISTA) | 30,389 | 950 | |
| PRIEST RIVER SUBSTATION(BPA) | 784,499 | 42,353 | |
| PROSSER SUBSTATION(BENTON CO PUD) | 12,087 | 540 | |
| PURDY SUBSTATION | 59,163 | 1,930 | |
| PYRAMID SUBSTATION | 26,868 | 432 | |
| QUARTZ SUBSTATION (IDAHO POWER) | 9,766 | 3,946 | |
| QUINCY SUBSTATION | 16,867 | | |
| RADAR PUMPING PLANT | 13,763 | 1,140 | |
| RAFT SUBSTATION | 2,177 | 13,869 | |
| RAINIER SUBSTATION | 146,713 | 2,511 | |
| RALSTON SUBSTATION(SOLD) | 5,604 | 907 | |
| RANDLE SUBSTATION | 32,099 | | |
| RATHDRUM SUBSTATION | 28,219 | 8,757 | |
| RATTLESNAKE ROAD SUBSTATION (HORIZON WIND) | 15,520 | | |
| RATTLESNAKE SUBSTATION(BENTONREA) | 43,829 | 2,440 | |
| RAVER SUBSTATION | 43,324,210 | 1,010,807 | |
| RAYMOND SUBSTATION | 2,852,353 | 292,865 | |
| REATA SUBSTATION(BENTON CO PUD) | 12,863 | 1,764 | |
| RED MOUNTAIN SUBSTATION | 4,273,462 | 88,868 | |
| REDMOND SUBSTATION(BPA) | 35,225,686 | 904,531 | |
| REEDSPORT SUBSTATION (BPA) | 2,068,210 | 87,111 | 80% |
| REPUBLIC SUBSTATION | 537,888 | 33,694 | |
| RESTON SUBSTATION | 347,850 | 38,831 | |
| RICHLAND SUBSTATION | 2,451,184 | 138,434 | |
| RILEY SUBSTATION | 50,777 | 1,362 | |
| RIMROCK LAKE SUBSTATION (BENTON REA) | 30,789 | 1,396 | |
| RIVER ROAD GENERATION PLANT SUBSTATION | 9,743 | 18,071 | |
| RIVERBEND LANDFILL GENERATING PLANT (WM LLC) | 9,771 | 4,659 | |
| RIVERFRONT SUBSTATION | 21,522 | 775 | |
| RIVERGATE SUBSTATION | 4,468 | 789 | |
| RIVERTON SUBSTATION(CITY OF HEYBURN) | 22,577 | 3,510 | |
| ROBBINS ROAD METERING POINT | 20,394 | 1,439 | |
| ROCK CREEK SUBSTATION | 42,772,819 | 339,577 | |
| ROCKY BROOK POWERHOUSE | 2,016 | 2,191 | |
| ROCKY REACH SUBSTATION | 4,230,844 | 41,167 | |
| ROE'S CORNER SUBSTATION | 38,236 | 9,454 | |
| ROGUE SUBSTATION | 7,129,655 | 330,856 | |
| ROSALIA SUBSTATION | 28,425 | 775 | |
| ROSS SUBSTATION | 13,906,082 | 1,184,162 | |
| ROUND VALLEY SUBSTATION | 1,571,272 | 50,684 | |
| ROUNDUP SUBSTATION | 5,356,636 | 308,503 | |
| ROXBORO SUBSTATION | 21,585 | 2,063 | |
| ROY L ZIMMERMAN SUBSTATION | 45,535 | 808 | |
| ROZA SUBSTATION | 3,368 | | |
| RUBY STREET SUBSTATION (FRANKLIN CO PUD) | 60,722 | 1,229 | |
| RUSSELL SMITH POWERHOUSE | 11,906 | 611 | |
| SACAJAWEA SUBSTATION | 23,064,384 | 111,178 | 99% |
| SACHEEN SUBSTATION | 2,151,593 | 82,455 | |
| SAGEHILL SUBSTATION | 1,506 | 324 | |
| SALEM ALUMINA SUBSTATION(SALEM ELEC COOP) | 18,224 | 843 | |
| SALEM SUBSTATION(| 4,847,599 | 336,076 | |
| SAMMAMISH SUBSTATION | 1,911 | | |
| SAMUELS SUBSTATION | 42,869 | 1,302 | |
| SAND CREEK SUBSTATION | 5,921,250 | 163,035 | |
| SAND DUNES SUBSTATION | 3,510,776 | | |
| SAND HILL CRANE SUBSTATION | 70,897 | 3,109 | |
| SANDPOINT SUBSTATION(BPA) | 870,402 | 113,868 | 77% |
| SANTIAM SUBSTATION | 15,084,336 | 957,761 | 95% |
| SAPPHO SUBSTATION | 1,673,235 | 91,745 | |
| SATSOP PARK SUBSTATION (GHPUD) | 171,077 | 15,709 | |
| SATSOP SUBSTATION(BPA) | 19,294,515 | 339,959 | |
| SATUS 2 SUBSTATION | 9,693 | | |
| SATUS 3 SUBSTATION | 28,953 | | |
| SCAPPOOSE SUBSTATION | 39,482 | 1,254 | |
| SCARCELLO SUBSTATION (KOOTENAI ELECTRIC) | 10,025 | 1,518 | |
| SCHULTZ SUBSTATION | 64,386,115 | 723,212 | |
| SCOGGINS VALLEY METERING POINT | 27,685 | 1,011 | |
| SCOOTENEY SUBSTATION | 933,355 | 61,826 | 77% |
| SEDRO WOOLLEY SUBSTATION | 41,393 | 3,798 | |

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| | | | |
|---|------------|-----------|-----|
| SETTERS SUBSTATION | 18,961 | 614 | |
| SEVEN FEATHERS SUBSTATION (UIUC) | 10,387 | 1,437 | |
| SHANO SUBSTATION | 32,045 | 553 | |
| SHELTON SUBSTATION | 27,020,426 | 620,265 | |
| SHEPHERDS FLAT SUBSTATION (CAITHNESS SF) | 60,724 | | |
| SHORT MOUNTAIN GENERATING PLANT | 17,681 | 623 | |
| SICKLER SUBSTATION | 11,312,117 | 1,953,586 | |
| SIFTON SUBSTATION | 5,637,094 | 321,971 | |
| SILVER BOW SUBSTATION | 1,249,287 | 95,200 | |
| SILVER CREEK SUBSTATION | 2,084,546 | 215,970 | |
| SILVER STAR SUBSTATION | 44,433 | 2,626 | |
| SILVERADO SUBSTATION (CLALLAM CO. PUD) | 119,823 | | |
| SKOOKUM SUBSTATION | 68,054 | 1,687 | |
| SLATT SUBSTATION | 26,985,058 | 518,502 | 89% |
| SMITH CREEK POWERHOUSE | 4,962 | 881 | |
| SMITHSON SUBSTATION (KITITAS CO PUD) | 29,513 | | |
| SNIPES SUBSTATION | 90,899 | 3,249 | |
| SNIPTION SUBSTATION | 47,195 | 899 | |
| SNOHOMISH SUBSTATION | 40,614,125 | 1,695,435 | |
| SNO-KING SUBSTATION | 31,179,451 | 1,115,212 | |
| SNYDER SUBSTATION | 24,522 | 321 | |
| SODA SPRINGS SUBSTATION | 6,336 | | |
| SOUTH BUTTE SUBSTATION | 12,037 | | |
| SOUTH CUT BANK SUBSTATION | 11,955 | | |
| SOUTH ELMA SUBSTATION | 342,096 | 13,708 | |
| SOUTH FORK SUBSTATION | 49,334 | 703 | |
| SOUTH SLOPE SUBSTATION | 31,283 | 712 | |
| SOUTH SUBSTATION (SEATTLE CITY LIGHT) | 62,772 | | |
| SOUTH TACOMA SUBSTATION | 4,284,160 | 216,301 | |
| SPALDING SUBSTATION | 51,421 | 786 | |
| SPANGLE SUBSTATION | 18,957 | 896 | |
| SPAR CANYON SUBSTATION | 544,905 | 89,683 | |
| SPAW SUBSTATION | 11,078 | | |
| SPEARFISH SUBSTATION(KLICKITAT CO PUD) | 35,741 | 2,418 | |
| SPRING CREEK SUBSTATION | 9,530,317 | 126,342 | |
| SPRINGFIELD SUBSTATION(SPRINGFIELD UTILITY BOARD) | 23,401 | | |
| SPRINGHILL SUBSTATION(INLAND POWER & LIGHT) | 23,544 | 676 | |
| ST. HELENS SUBSTATION | 18,502 | 5,034 | |
| ST. JOHNS SUBSTATION | 7,165,499 | 665,024 | |
| STEVENS DRIVE SUBSTATION(CITYOF RICHLAND) | 51,835 | 68 | |
| STEVENSON SUBSTATION | 25,896 | 3,660 | |
| STEVENSVILLE SUBSTATION | 2,086 | 337 | |
| STILLWATER SUBSTATION(LINCOLNELECTRIC COOP) | 37,172 | 3,924 | |
| SUBSTATION FG | 15,482 | 13,130 | |
| SUGAR MILL SUBSTATION | 185,017 | 2,737 | |
| SULLIVAN SUBSTATION(VERA WATER & POWER) | 5,684 | 677 | |
| SUMAS SUBSTATION | 13,840 | 2,532 | |
| SUMMER LAKE SUBSTATION | 2,269,369 | 124,947 | 43% |
| SUMNER SUBSTATION | 22,970 | 3,871 | |
| SUN HEAVEN NO. 2 SUBSTATION | 31,152 | 381 | |
| SUNNYSIDE PORT SUBSTATION | 35,471 | | |
| SUNSET ROAD SUBSTATION (BENTON CO PUD) | 26,467 | 1,540 | |
| SWAN VALLEY SUBSTATION | 5,358,768 | 139,253 | 92% |
| SWEETWATER SUBSTATION | 22,846 | 2,146 | |
| TACOMA SUBSTATION | 17,088,837 | 981,240 | 92% |
| TAFT SUBSTATION | 34,179,384 | 553,979 | |
| TAHKENITCH SUBSTATION | 6,999,388 | 178,178 | |
| TAPTEAL SUBSTATION | 92,685 | 530 | |
| TARBELL SUBSTATION | 18,665 | 329 | |
| TARGHEE SUBSTATION | 1,595,611 | 199,157 | |
| TARGHEE TAP SWITCHING STATION | 317,710 | 3,335 | |
| TARKIO SUBSTATION (SOLD) | 3,886 | 2,070 | |
| TAYLOR FLATS SUBSTATION | 7,012 | 880 | |
| TEANAWAY SUBSTATION | 398 | 554 | |
| TECOMA METERING POINT | 15,357 | 7,957 | |
| TETON SUBSTATION | 2,914,590 | 203,127 | |
| THAYER DRIVE SUBSTATION(CITY OF RICHLAND) | 85,951 | 3,375 | |
| THE DALLES SUBSTATION | 2,378,051 | 159,228 | |
| THOMPSON FALLS SUBSTATION | 41,428 | 1,520 | |
| THURSTON SUBSTATION | 27,476 | 1,561 | |
| TIDE FLATS SUBSTATION | (1,389) | | |
| TILLAMOOK SUBSTATION | 7,803,817 | 399,613 | |
| TIMBER SUBSTATION | 722,020 | 63,104 | |
| TINCUP SUBSTATION | 559,127 | 39,052 | |
| TOLEDO SUBSTATION | 12,291,641 | 453,269 | |
| TOSTON SUBSTATION | 24,600 | 3,945 | |
| TOWNSEND METERING POINT | 35,194 | 1,947 | |
| TRASK RIVER SUBSTATION | 19,987 | 13,090 | |
| TREGO SUBSTATION(LINCOLN ELECTRIC COOP) | 454,948 | 51,826 | |
| TRENTWOOD SUBSTATION | 3,405,368 | 100,503 | 49% |
| TROUT CREEK SUBSTATION | 45,108 | 704 | |
| TROUTDALE SUBSTATION(BPA) | 30,315,836 | 733,644 | |
| TROY SUBSTATION | 114,273 | 8,779 | 12% |
| TRUMBULL CREEK SUBSTATION | 12,078 | 771 | |

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|---|----------------------|--------------------|-----|
| TUCANNON RIVER SUBSTATION | 3,851,588 | 140,808 | |
| TUM TUM SUBSTATION | 21,889 | 1,476 | |
| TWILIGHT SUBSTATION | 20,840 | 148 | |
| TWISP SUBSTATION | (630) | 1,527 | |
| TWISP SUBSTATION | 66,883 | | |
| TYEE SUBSTATION | 86,912 | 3,694 | |
| TYGH VALLEY SUBSTATION (WASCO ELEC. COOP) | 27,349 | 1,395 | |
| U. S. PLYWOOD SUBSTATION | 15,723 | | |
| UKIAH SUBSTATION | 81,846 | 1,078 | |
| UNDERWOOD SUBSTATION | 29,277 | 4,448 | |
| UNDERWOOD TAP AUTO-SECTIONALIZING STATION | 698,308 | 14,175 | |
| UNITY SUBSTATION (IDAHO POWERCOMPANY) | 6,894 | | |
| UNITY SUBSTATION(BPA) | 1,559,777 | 98,050 | |
| UPPER GENERATING PLANT | 17,829 | | |
| USK SUBSTATION(BPA) | 84,338 | 84,051 | |
| VALHALLA SUBSTATION | 3,500,495 | 343,534 | 92% |
| VALLEY SUBSTATION(RAFT RIVER ELEC COOP) | 23,392 | 3,088 | |
| VANCOUVER SHIPYARD SUBSTATION | 26,421 | | |
| VANTAGE STATE PARK METERING POINT | 20,238 | | |
| VANTAGE SUBSTATION | 25,297,651 | 534,062 | |
| VAUGHN SUBSTATION | 29,287 | 4,075 | |
| VERA SUBSTATION (VERA W&P, INLAND P&L) | 10,025 | 2,522 | |
| VICTOR SUBSTATION (RAVALLI COUNTY ELEC COOP) | 6,943 | 763 | |
| VICTOR SUBSTATION(FALL RIVER RURAL ELEC COOP) | 81,618 | 1,281 | |
| VIEW SUBSTATION | 13,906 | 592 | |
| VINSON METERING POINT | 27,323 | 828 | |
| VISTA SUBSTATION | 25,231 | 368 | |
| WAGNER LAKE SUBSTATION | 489,897 | 35,179 | |
| WAHLUKE SUBSTATION | 10,343 | | |
| WALLA WALLA SUBSTATION(BPA) | 10,333,966 | 260,662 | |
| WALLA WALLA SUBSTATION(PACIFICORP) | 224,061 | | |
| WALNUT CITY SUBSTATION(CITY OF MCMINNVILLE) | 9,653 | 669 | |
| WALTON SUBSTATION | 21,204 | 2,608 | 6% |
| WARDEN POLE METERING POINT | 14,752 | 1,016 | |
| WARDEN POLE NO 2 METERING POINT | 13,121 | | |
| WARNER SUBSTATION | 3,535,383 | 123,323 | |
| WARREN SUBSTATION | 594,774 | 93,523 | |
| WAUTOMA SUBSTATION | 23,443,640 | 306,732 | |
| WEIPPE SUBSTATION | 18,934 | 1,026 | |
| WELLS SUBSTATION(IDAHO POWER) | 53,246 | 2,891 | |
| WENDSON SUBSTATION | 6,491,249 | 307,738 | |
| WEST BURLEY SUBSTATION(UNITEDELEC COOP) | 156,561 | 7,336 | |
| WEST JOHN DAY SUBSTATION | 32,991 | 1,582 | |
| WEST PLAINS SUBSTATION (IP&L) | 13,630 | 464 | |
| WEST REXBURG METERING POINT | 21,513 | | |
| WEST WELLS SUBSTATION | 18,036 | 1,056 | |
| WEST WENDOVER METERING POINT | 59,200 | 3,307 | |
| WESTCOTT SUBSTATION (CANBY ELECTRIC) | 22,976 | 586 | |
| WESTMORELAND SUBSTATION | 5,482 | | |
| WESTSIDE SUBSTATION(BPA) | 6,662,868 | 114,303 | |
| WEYERHAEUSER INDUSTRIAL WAY WEYCO NO 1 SUBSTATION (COWLITZ) | 20,731 | | |
| WHEAT FIELD SUBSTATION (WFWPP) | 9,771 | | |
| WHEELER SUBSTATION | 10,359 | | |
| WHITCOMB SUBSTATION | 95,864 | 190 | |
| WHITE BLUFFS SUBSTATION | 8,423,453 | 181,150 | |
| WHITE CREEK SUBSTATION (KPUD) | 37,195 | 23,678 | |
| WHITE RIVER SUBSTATION | 10,703 | | |
| WHITE SWAN SUBSTATION(BENTON REA) | 10,025 | 5,552 | |
| WHITEHALL SUBSTATION | 48,014 | 4,311 | |
| WILLAKENZIE SUBSTATION | 32,420 | | |
| WILLARD JOHNSON SUBSTATION(HOOD RIVER ELEC) | 22,483 | 631 | |
| WILLIS SUBSTATION (KPUD) | 28,033 | 21,941 | |
| WILSON RIVER SUBSTATION | 46,669 | 1,287 | |
| WINCHESTER SUBSTATION | 3,851 | 407 | |
| WINDISHAR SUBSTATION | 32,018 | 38,783 | |
| WINE COUNTRY SUBSTATION | 6,342,281 | 83,372 | |
| WINNEMUCCA SUBSTATION | 134,454 | 4,428 | |
| WINTHROP SUBSTATION | 1,167,692 | 39,594 | 76% |
| WOODLAND SWITCHING STATION | 250,630 | 3,790 | |
| WREN SUBSTATION | 1,407,981 | 55,007 | |
| WYNOOCHEE HYDRO PLANT | 73,355 | 939 | |
| ZEPHYR HEIGHTS SUBSTATION | 46,009 | 884 | |
| Subtotal Subs | 2,182,567,325 | 85,247,873 | |
| Total Integrated Network | 4,633,706,969 | 108,905,010 | |

Southern Intertie Facilities

| Transmission Lines | Investment (\$) | O&M (\$) | Multi % |
|-----------------------------|------------------------|---------------------|----------------|
| ALVEY-DIXONVILLE NO 1 | 25,192,398 | | |
| BIG EDDY 500/230KV TIE NO 1 | 51,352 | 232 | |
| BIG EDDY-CELILO NO 1 | 1,284,742 | 2,023 | |
| BIG EDDY-CELILO NO 2 | 1,463,788 | 3,285 | |
| BIG EDDY-CELILO NO 3 | 373,697 | 739 | |

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|---|--------------------|------------------|-----|
| BIG EDDY-CELILO NO 4 | 249,132 | 739 | |
| BUCKLEY-GRIZZLY NO 1 | 9,961,133 | 28,265 | 57% |
| BUCKLEY-MARION NO 1 | 20,369,871 | 49,991 | 50% |
| CAPTAIN JACK-MALIN NO 1 | 844,154 | 14,077 | |
| CAPTAIN JACK-OLINDA NO 1 | 7,393,503 | 6,671 | |
| CELILO-SYLMAR NO 1 | 27,012,691 | 482,838 | |
| COYOTE SPRINGS-SLATT NO 1 | 328,931 | 1,836 | 12% |
| DIXONVILLE-MERIDIAN | 32,272,663 | 8,703 | |
| GRIZZLY-CAPTAIN JACK NO 1 | 20,239,751 | 291,963 | |
| GRIZZLY-CAPTAIN JACK NO 1 ML KLAMATH CO | 942,373 | | |
| GRIZZLY-CAPTAIN JACK NO 1 ML LAKE CO | 1,106,264 | | |
| GRIZZLY-SUMMER LAKE NO 1 | 18,828,765 | 59,793 | 57% |
| GRIZZLY-SUMMER LAKE NO 1 (CROOK CO) | 143,465 | | 57% |
| GRIZZLY-SUMMER LAKE NO 1 (DESCHUTES CO) | 169,530 | | 57% |
| GRIZZLY-SUMMER LAKE NO 1 (LAKE CO) | 339,092 | | 57% |
| JOHN DAY-BIG EDDY NO 1 | 2,008,149 | 7,243 | |
| JOHN DAY-GRIZZLY NO 1 | 10,760,175 | 249,937 | |
| JOHN DAY-GRIZZLY NO 1 (JEFFERSON CO) | 388,527 | | |
| JOHN DAY-GRIZZLY NO 1 (SHERMAN CO) | 549,297 | | |
| JOHN DAY-GRIZZLY NO 1 (WASCO CO) | 401,925 | | |
| JOHN DAY-GRIZZLY NO 2 | 9,149,545 | 123,882 | |
| JOHN DAY-GRIZZLY NO 2 ML JEFFERSON CO | 384,011 | | |
| JOHN DAY-GRIZZLY NO 2 ML SHERMAN CO | 576,018 | | |
| JOHN DAY-GRIZZLY NO 2 ML WASCO CO | 411,442 | | |
| MARION-ALVEY NO 1 | 4,456,110 | 51,232 | 50% |
| SLATT-JOHN DAY NO 1 | 328,108 | 987 | 7% |
| Subtotal Lines | 197,980,600 | 1,384,435 | |

| Substations | Investment (\$) | O&M (\$) | Multi % |
|----------------------------------|------------------------|---------------------|----------------|
| ALVEY SUBSTATION | 8,015,579 | 231,735 | 26% |
| BAKEOVEN COMPENSATION STATION | 22,868,102 | 103,463 | |
| BIG EDDY 500 KV SWITCHYARD | 11,512,241 | 164,258 | |
| BIG EDDY SUBSTATION | 60,579,852 | 2,112,265 | 81% |
| BUCKLEY SUBSTATION | 5,842,191 | 238,359 | 64% |
| CAPTAIN JACK SUBSTATION | 39,970,149 | 378,913 | |
| CELILO CONVERTER NO 3 | 880,128 | 10,277 | |
| CELILO CONVERTER NO 4 | 864,806 | 11,802 | |
| CELILO DC CONVERTER STATION | 300,727,223 | 9,942,542 | |
| CHIEF JOSEPH SUBSTATION | 1,060,040 | 83,591 | 3% |
| DIXONVILLE SUBSTATION | 7,837,854 | | |
| FORT ROCK COMPENSATION STATION | 15,955,175 | 244,256 | |
| GRIZZLY SUBSTATION | 31,354,626 | 1,004,419 | |
| JOHN DAY SUBSTATION | 11,158,900 | 239,498 | 28% |
| MALIN SUBSTATION | 24,430,327 | 680,471 | |
| MARION SUBSTATION | 3,378,622 | 141,608 | 9% |
| MERIDIAN SUBSTATION(PACIFICORP) | 7,458,872 | | |
| ROUND MOUNTAIN SUBSTATION | 65,046 | | |
| SAND SPRING COMPENSATION STATION | 17,102,457 | 233,554 | |
| SLATT SUBSTATION | 3,230,461 | 62,071 | 11% |
| SUMMER LAKE SUBSTATION | 3,008,234 | 165,627 | 57% |
| SYCAN COMPENSATION STATION | 14,453,018 | 255,808 | |
| SYLMAR DC CONVERTER STATION | 2,784 | | |
| Subtotal Subs | 591,756,688 | 16,304,519 | |
| Total Southern Intertie | 789,737,289 | 17,688,953 | |

Eastern Intertie Facilities

| Transmission Lines | Investment (\$) | O&M (\$) | Multi % |
|-------------------------------|------------------------|---------------------|----------------|
| BROADVIEW-GARRISON NO 1 | 47,280,913 | 130,414 | |
| BROADVIEW-GARRISON NO 2 | 46,990,310 | 42,175 | |
| Subtotal Lines | 94,271,222 | 172,589 | |
| Substations | Investment (\$) | O&M (\$) | Multi % |
| COLSTRIP SUBSTATION | 43,099 | 1,239 | |
| GARRISON SUBSTATION | 24,182,624 | 529,760 | 34% |
| Subtotal Subs | 24,225,723 | 530,999 | |
| Total Eastern Intertie | 118,496,946 | 703,588 | |

Utility Delivery Facilities

| Transmission Lines | Investment (\$) | O&M (\$) | Multi % |
|------------------------------|------------------------|---------------------|----------------|
| ALBANY-BUREAU OF MINES NO 1 | 23,660 | 2,226 | |
| HOOD RIVER-COOP SERVICE NO 1 | 23,808 | 1,538 | |
| Subtotal Lines | 47,468 | 3,763 | |
| Substations | Investment (\$) | O&M (\$) | Multi % |
| ACTON SUBSTATION | 163,592 | 27,271 | |
| ALBANY SUBSTATION | 1,587,757 | 45,746 | 12% |
| ALDERWOOD SUBSTATION | 668,497 | 20,094 | |
| BANDON SUBSTATION | 1,143,260 | 54,244 | 25% |
| BONNERS FERRY SUBSTATION | 837,266 | 39,854 | 36% |

Appendix A
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| | | | |
|-------------------------------|-------------------|------------------|-----|
| BURBANK SUBSTATION | 619,504 | 45,672 | |
| BURNT WOODS SUBSTATION | 319,577 | 54,410 | |
| CASCADE LOCKS SUBSTATION | 386,614 | 57,648 | |
| DAVIS CREEK SUBSTATION | 545,221 | 25,430 | |
| DIXIE SUBSTATION | 519,936 | 41,615 | |
| DRAIN SUBSTATION | 277,801 | 12,484 | 9% |
| EAGLE LAKE SUBSTATION | 380,534 | 39,746 | |
| EAST GRANGEVILLE SUBSTATION | 683,793 | 67,349 | |
| GARDINER SUBSTATION | 744,369 | 89,051 | |
| GLADE SUBSTATION | 497,771 | 32,210 | |
| HARRISBURG SUBSTATION | 186,326 | 55,066 | |
| HOOD RIVER SUBSTATION | 627,932 | 56,122 | 51% |
| IONE SUBSTATION | 285,241 | 37,277 | 36% |
| LACLEDE SUBSTATION | 31,715 | 20,768 | |
| LANGLOIS SUBSTATION | 1,101,133 | 32,499 | |
| LYNCH CREEK SUBSTATION | 1,271,810 | 62,626 | |
| MAPLETON SUBSTATION | 183,012 | 26,037 | 32% |
| MINIDOKA SUBSTATION | 385,789 | 19,240 | |
| MONMOUTH SUBSTATION | 1,244,686 | 77,057 | |
| MOUNTAIN AVENUE SUBSTATION | 2,098,603 | 45,487 | |
| MOYIE SUBSTATION | 65,707 | 24,082 | |
| NECANICUM SUBSTATION | 127,264 | 15,403 | |
| NORTH BENCH SUBSTATION | 527,396 | 12,577 | |
| NORTH BUTTE SUBSTATION | 168,857 | 13,863 | |
| PARKDALE SUBSTATION | 604,963 | 24,831 | 49% |
| PORT ORFORD SUBSTATION | 407,963 | 44,779 | 91% |
| POTLATCH SUBSTATION(BPA) | 188,784 | 10,434 | 17% |
| REEDSPORT SUBSTATION (BPA) | 518,873 | 21,854 | 20% |
| RINGOLD SUBSTATION | 522,279 | 48,296 | |
| SANDPOINT SUBSTATION(BPA) | 260,551 | 34,086 | 23% |
| SCOOTENEY SUBSTATION | 280,744 | 18,597 | 23% |
| SELLE SUBSTATION | 565,619 | 31,095 | |
| STATELINE SUBSTATION | 141,727 | 97,312 | |
| STEILACOOM SUBSTATION | 1,101,095 | 26,406 | |
| SUN HARBOR SUBSTATION | 1,420,980 | 33,945 | |
| SURPRISE LAKE SUBSTATION | 760,077 | 58,734 | |
| SWAN VALLEY SUBSTATION | 447,947 | 11,640 | 8% |
| TROY SUBSTATION | 815,848 | 62,677 | 88% |
| TUMBLE CREEK SUBSTATION | 959,049 | 26,488 | |
| TWO MILE ROAD SUBSTATION | 1,517,678 | 69,347 | |
| WALTON SUBSTATION | 321,529 | 39,541 | 94% |
| WINTHROP SUBSTATION | 361,348 | 12,253 | 24% |
| YAAK SUBSTATION | 375,561 | 30,660 | |
| Subtotal Subs | 29,253,578 | 1,853,903 | |
| Total Utility Delivery | 29,575,108 | 1,893,444 | |

DSI Delivery Facilities

| Transmission Lines | Investment (\$) | O&M (\$) | Multi % |
|---------------------------|------------------------|---------------------|----------------|
| None | | | |
| Subtotal Lines | 0 | 0 | |
| Substations | | | |
| CONKELLEY SUBSTATION | 6,258,285 | 255,308 | 55% |
| INTALCO SUBSTATION | 16,403,546 | 625,198 | 96% |
| TRENTWOOD SUBSTATION | 3,547,673 | 104,703 | 51% |
| Subtotal Subs | 26,209,504 | 985,208 | |
| Total DSI Delivery | 26,209,504 | 985,208 | |

Unsegmented Facilities (segmented pro-rata)

| Transmission Lines (allocated according to direct line segmentation) | Investment (\$) | O&M (\$) | Multi % |
|---|------------------------|---------------------|----------------|
| BALD MOUNTAIN-CONDIT FIBER SYSTEM | 6,914 | | |
| BELLINGHAM-CUSTER FIBER SYSTEM | 128,524 | | |
| BELL-NOXON FIBER SYSTEM | 44,711 | | |
| BPA SYSTEM-LINES | 6,101,263 | 1,036,317 | |
| CHENOWETH-HARVEY NO 1 | 81,982 | 1,556 | |
| CHENOWETH-HARVEY NO 2 | 81,980 | 748 | |
| COVINGTON-BELL FIBER SYSTEM | 80,126 | | |
| COVINGTON-MAPLE VALLEY FIBER SYSTEM | 17,342 | | |
| FIDALGO-BELLINGHAM FIBER SYSTEM (BLACK ROCK CABLE INC) | 360,930 | | |
| FRANKLIN-MUNRO FIBER SYSTEM | 185,538 | | |
| GRAND COULEE 115KV-GRAND COULEE RS FIBER SEG | 18,644 | | |
| JACKSON TAP TO CANAL-SECOND LIFT NO. 1(SOLD) | 47,234 | 101 | |
| KEELER-ALVEY FIBER SYSTEM | 1,018,867 | | |
| KEELER-COVINGTON FIBER SYSTEM | 14,035 | | |
| LANE-FAIRVIEW FIBER SYSTEM | 3,435 | | |
| Miscellaneous (Inactive, Retired in Place) | 621,940 | 976 | |
| NOXON-TAFT FIBER SYSTEM | 357,479 | | |
| PEARL-TROUTDALE FIBER SYSTEM | 113,714 | | |
| REEDSPORT-TAHKENITCH FIBER SYSTEM | 24,936 | 103,554 | |
| ROSS-FRANKLIN FIBER SYSTEM | 3,312,768 | | |
| ROSS-MALIN FIBER SYSTEM | 4,670,521 | | |

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|---|------------------------|---------------------|----------------|
| TUMBLE CREEK-HALL RIDGE NO.1 | 610,574 | 54,844 | |
| VANTAGE-HANFORD NO 1 | 0 | 90,411 | |
| Subtotal Lines | 17,903,457 | 1,288,507 | |
| Substations (allocated according to direct sub segmentation) | Investment (\$) | O&M (\$) | Multi % |
| ADDY SUBSTATION | 3,092,383 | 71,945 | 30% |
| ALBION SUBSTATION | 1,031 | 2,571 | |
| ALCOA SUBSTATION | 1,075,016 | 75,393 | 12% |
| BPA SYSTEM-METERS | 29,831 | | |
| DAYTON SUBSTATION(BPA & COLUMBIA REA) | 335,075 | 7,835 | 86% |
| KIONA HYDROMET STATION | 6,709 | | |
| Miscellaneous (Inactive, Retired in Place) | 335,409 | | |
| NORWAY SUBSTATION | 289,018 | 67,438 | |
| ROSS HARMONY TRAINING SUBSTATION | 2,847,803 | | |
| SYSTEM WIDE | 3,867,732 | 16,560,434 | |
| TACOMA SUBSTATION | 1,417,368 | 81,385 | 8% |
| VALHALLA SUBSTATION | 325,162 | 31,911 | 8% |
| Subtotal Subs | 13,622,536 | 16,898,911 | |
| Other Locations (allocated according to direct sub segmentation) | Investment (\$) | | |
| ALVEY MAINTENANCE HEADQUARTERS | 5,491,090 | | |
| AUGSPURGER MOUNTAIN RADIO STATION | 11,893 | | |
| BALD MOUNTAIN RADIO STATION | 130,284 | | |
| BELL MAINTENANCE HEADQUARTERS | 536,007 | | |
| BIDDLE BUTTE RADIO STATION | 163,480 | | |
| BLUE RIDGE RADIO STATION | 91,805 | | |
| BLYN RADIO STATION | 49,179 | | |
| BPA SYSTEM | 14,820,814 | | |
| BPA SYSTEM-MICROWAVE &RADIO STATIONS | 182,612 | | |
| BPA SYSTEM-NON ELECTRIC PLANT& MISC | 4,919,823 | | |
| BURLEY MAINTENANCE HEADQUARTERS | 6,969 | | |
| CAPE BLANCO RADIO STATION (BPA) | 58,688 | | |
| CHEHALIS MAINTENANCE HEADQUARTERS | 88,062 | | |
| CHEMAWA MAINTENANCE HEADQUARTERS | 74,117 | | |
| COVINGTON MAINTENANCE HEADQUARTERS | 15,113 | | |
| COYOTE HILLS RADIO STATION | 25,472 | | |
| CULDESAC RADIO STATION | 6,995 | | |
| DEL RIO RADIO STATION | 13,084 | | |
| DITTMER BPA SYSTEM CONTROL CENTER | 15,564,103 | | |
| EASTERN CONTROL CENTER | 32,523 | | |
| EUGENE C. STARR COMPLEX | 9,922,339 | | |
| GRAND COULEE RADIO STATION | 47,372 | | |
| GRANITE MOUNTAIN RADIO STATION | 144,812 | | |
| GREEN MOUNTAIN PASSIVE REPEATER SITE | 3,007 | | |
| HORSE ROCK RADIO STATION | (2,444) | | |
| KALISPELL MAINTENANCE HEADQUARTERS | 29,664 | | |
| KEELER MAINTENANCE HEADQUARTERS | 40,199 | | |
| KENNEWICK RADIO STATION | 49,374 | | |
| LAKESIDE RADIO STATION | 91,184 | | |
| LEWISTON MAINTENANCE HEADQUARTERS | 59,008 | | |
| LONGVIEW ANNEX I | 819,953 | | |
| LONGVIEW MAINTENANCE HEADQUARTERS | 6,038,256 | | |
| LOWELL BUTTE RADIO STATION | 7,559 | | |
| MALAGA RADIO STATION | 17,384 | | |
| MALIN MAINTENANCE HEADQUARTERS | 398,113 | | |
| MARYS PEAK RADIO STATION | 5,002 | | |
| MEGLER RADIO STATION | 11,556 | | |
| MILLER PEAK RADIO STATION | 117,099 | | |
| Miscellaneous (Inactive, Retired in Place) | 111,542 | | |
| MT. HEBO RADIO STATION | 12,244 | | |
| MUNRO BPA SYSTEM CONTROL CENTER | 3,444,116 | | |
| NASELLE RIDGE RADIO STATION | 295,505 | | |
| NORTH BEND MAINTENANCE HEADQUARTERS | 723,564 | | |
| NORTH BONNEVILLE ANNEX | 29,495 | | |
| ODELL BUTTE RADIO STATION | 92,507 | | |
| OLYMPIA MAINTENANCE HEADQUARTERS | 166,376 | | |
| OSTRANDER PASSIVE REPEATER SITE | 25,022 | | |
| PASCO MAINTENANCE HEADQUARTERS | 89,312 | | |
| REDMOND MAINTENANCE HEADQUARTERS | 247,649 | | |
| ROCKDALE PASSIVE REPEATER N1 SITE | 85,587 | | |
| ROCKDALE RADIO STATION | 358,292 | | |
| ROCKY RIDGE RADIO STATION | 114,415 | | |
| ROOSEVELT RADIO STATION | 13,534 | | |
| ROSS AMPERE BUILDING | 60,525 | | |
| ROSS COMPLEX | 24,268,692 | | |
| ROSS FOG TEST BUILDING | 67,848 | | |
| ROSS HEATLINE | 5,254,267 | | |
| ROSS MAINTENANCE HEADQUARTERS | 12,095 | | |
| ROSS RADIO STATION | 8,615 | | |
| ROSS TOOLS AND EQUIPMENT BUILDING | 676,726 | | |
| SCHULTZ MAINTENANCE HEADQUARTERS | 1,377,094 | | |
| SEATTLE RADIO STATION | 3,939 | | |
| SICKLER MAINTENANCE HEADQUARTERS | 50,012 | | |

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|---|-------------------|
| SKYROCKET RADIO STATION | 6,509 |
| SNOHOMISH MAINTENANCE HEADQUARTERS | 58,551 |
| SOUTH MOUNTAIN RADIO STATION | 2,770 |
| SPOKANE HANGAR | 75,378 |
| SQUAK MOUNTAIN RADIO STATION | 4,272 |
| TACOMA PUBLIC UTILITIES DISPATCH CENTER | 36,618 |
| TACOMA RADIO STATION | 59,709 |
| WALKER MOUNTAIN RADIO STATION | 625,240 |
| Subtotal Other | 98,539,567 |

| | |
|---|------------------------|
| Emergency Stock (allocated according to direct sub segmentation) | Investment (\$) |
| ROSS WAREHOUSE | 11,896,045 |
| Subtotal Emergency Stock | 11,896,045 |

Depreciable Land

| | |
|--|------------------------|
| Substations (segmented to Integrated Network) | Investment (\$) |
| NOXON CONSTRUCTION SUBSTATION | 1 |
| OKANOGAN SUBSTATION | 14,156 |
| SIFTON SUBSTATION | 12,810 |
| Subtotal Subs | 26,967 |

| | |
|---|------------------------|
| Transmission Lines (segmented to Integrated Network) | Investment (\$) |
| ALBANY-BURNT WOODS NO 1 | 307,119 |
| ASHE-SLATT NO 1 | 19,806 |
| BELL-ADDY NO 1 | 5,046 |
| BELL-BOUNDARY NO 3 | 5,046 |
| BELL-LANCASTER NO 1 | 8,276 |
| BIG EDDY-CHENOWETH NO 1 | 387,831 |
| BIG EDDY-CHENOWETH NO 2 | 387,596 |
| BIG EDDY-SPRING CREEK NO 1 | 391,887 |
| CHEHALIS-OLYMPIA NO 1 | 793 |
| CHEHALIS-RAYMOND NO 1 | 47,011 |
| CHIEF JOSEPH-EAST OMAK NO 1 | 10,724 |
| CHIEF JOSEPH-MONROE NO 1 | 141,953 |
| CHIEF JOSEPH-SNOHOMISH NO 3 | 31,581 |
| COLUMBIA-ELLENSBURG NO 1 | 181,965 |
| DE MOSS-FOSSIL NO 1 | 320 |
| DWORSHAK PH-OROFINO NO 1 | 400 |
| EAST OMAK TAP TO GRAND COULEE-FOSTER CREEK NO 1 | 174,817 |
| FAIRVIEW-BANDON NO 2 | 1,602 |
| FIDALGO-LOPEZ ISLAND NO 5 | 63,802 |
| FLATHEAD-HOT SPRINGS NO 1 | 10,728,941 |
| FOREST GROVE-TILLAMOOK NO 1 | 1,731 |
| FRANKLIN-BADGER CANYON NO 1 | 1,432 |
| GARRISON-ANACONDA NO 1 | 1,524 |
| GOSHEN-DRUMMOND NO 1 | 3,924 |
| GRAND COULEE-BELL NO 5 | 2,114,751 |
| GRAND COULEE-HANFORD NO 1 | 14,375 |
| GRAND COULEE-OKANOGAN NO 2 | 470 |
| HARVALUM-BIG EDDY NO 1 | 19,142,567 |
| HORSE HEAVEN-HARVALUM NO 1 | 387,596 |
| HOT SPRINGS-RATTLESNAKE NO 1 | 6,007,072 |
| HUNGRY HORSE-CONKELLEY NO 1 | 6,043 |
| KEELER-OREGON CITY NO 2 | 8,729 |
| KELLER TAP TO GRAND COULEE-OKANOGAN NO 2 | 3,200 |
| KLONDIKE SCHOOLHOUSE-JOHN DAY NO 1 | 657,883 |
| LANCASTER-NOXON NO 1 | 82,527 |
| LIBBY-BONNERS FERRY NO 1 | 5,851 |
| LOWER MONUMENTAL-MCNARY NO 1 | 1,071 |
| MCNARY-ROSS NO 1 | 387,596 |
| OLYMPIA-SATSOP NO 3 | 27,986 |
| OSTRANDER-PEARL NO 1 | 45,358 |
| PALISADES-CATTLE CREEK NO 1 | 91,948 |
| PAUL-ALLSTON NO 2 | 236 |
| RAVER-COVINGTON NO 2 | 387,596 |
| RAYMOND-COSMOPOLIS NO 1 | 36,335 |
| ROCKY REACH-MAPLE VALLEY NO 1 | 216,568 |
| ROSS-LEXINGTON NO 1 | 50,376 |
| ROUNDUP-LAGRANDE NO 1 | 645,809 |
| SANTIAM-TOLEDO NO 1 | 78,029 |
| SCHULTZ-WAUTOMA NO 1 | 2,277,742 |
| SPIRIT TAP TO COLVILLE-BOUNDARY NO 1 | 24,206 |
| SWAN VALLEY-TETON NO 1 | 54,679 |
| TAFT-BELL NO 1 | 133,069 |

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|---|-------------------|
| TUCANNON RIVER-NORTH LEWISTON NO 1 | 862,880 |
| WALLA WALLA-PENDLETON NO 1 | 126,393 |
| WALLA WALLA-TUCANNON RIVER NO 1 | 1,340 |
| WAUTOMA-OSTRANDER NO 1 | 1,747 |
| WAUTOMA-ROCK CREEK NO 1 | 391,431 |
| Subtotal Lines segmented to Integrated Network | 47,178,588 |

| | |
|---|------------------------|
| Transmission Lines (segmented to Generation Integration) | Investment (\$) |
| ANDERSON RANCH-MOUNTAIN HOME NO 1 | 60,166 |
| DETROIT-SANTIAM NO 1 | 677 |
| Subtotal Lines segmented to Integrated Network | 60,843 |

| | |
|--|------------------------|
| Facilities segmented pro-rata according to segmented lines and subs | Investment (\$) |
| COVINGTON-MAPLE VALLEY FIBER SYSTEM | 23,437 |
| HAYSTACK BUTTE RADIO STATION | 387,596 |
| HOT SPRINGS-GARRISON FIBER SYSTEM | 58,561 |
| Miscellaneous (Inactive, Retired in Place) | 195 |
| ROSS-FRANKLIN FIBER SYSTEM | 97,757 |
| Subtotal segmented pro-rata | 567,546 |

| | |
|--|------------------------|
| Facilities allocated to general plant (Account 389) | Investment (\$) |
| APLEGATE BUTTE RADIO STATION | 49,780 |
| BOISTFORT PEAK RADIO STATION(WEYERHOUSER) | 9,081 |
| CAPE BLANCO RADIO STATION (BPA) | 118,992 |
| CAPITOL PEAK RADIO STATION(BPA) | 1,916 |
| DEAD INDIAN MOUNTAIN RADIO STATION | 72,672 |
| ELLIS RADIO STATION | 6,824 |
| GRAND COULEE-SCHULTZ NO 1 | 24,380 |
| HAYSTACK BUTTE RADIO STATION | 750 |
| LA PINE SUBSTATION | 18,619 |
| OLYMPIA-GRAND COULEE NO 1 | 16,745 |
| ROSS-LEXINGTON NO 1 | 32,522 |
| SANTIAM-TOLEDO NO 1 | 93 |
| SEVEN MILE HILL METEOROLOGICAL TOWER | 15,105 |
| SICKLER PASSIVE REPEATER SITE | 913 |
| Subtotal general plant | 368,392 |

Ancillary Service Facilities

| | |
|---|------------------------|
| Communication and Control Equipment *** | Investment (\$) |
| ABERDEEN SUBSTATION | 124,433 |
| ADAIR SUBSTATION(BPA) | 2,942 |
| ADDY SUBSTATION | 270,287 |
| ALBANY SUBSTATION | 19,130 |
| ALBENI FALLS SUBSTATION | 5,807 |
| ALCOA SUBSTATION | 47,905 |
| ALFALFA SUBSTATION | 5,205 |
| ALLSTON SUBSTATION | 265,594 |
| ALVEY SUBSTATION | 1,097,447 |
| ANACONDA SUBSTATION | 164,488 |
| ASHE SUBSTATION | 234,277 |
| BANDON SUBSTATION | 16,566 |
| BEAVER SUBSTATION (PGE) | 347,008 |
| BELL SUBSTATION | 766,600 |
| BELLINGHAM SUBSTATION(BPA) | 21,653 |
| BENTON SUBSTATION | 14,301 |
| BETTAS ROAD SUBSTATION | 213,160 |
| BIDDLE BUTTE RADIO STATION | 19,866 |
| BIG EDDY 500 KV SWITCHYARD | 345,912 |
| BIG EDDY SUBSTATION | 1,464,768 |
| BOARDMAN SUBSTATION | 143,981 |
| BONNERS FERRY SUBSTATION | 151,071 |
| BONNEVILLE BUILDING PORTLAND | 92,338 |
| BONNEVILLE POWERHOUSE #1 | 310,681 |
| BOUNDARY SUBSTATION | 55,264 |
| BPA HEADQUARTERS BUILDING | 6,225 |
| BPA SYSTEM | 5,815,092 |
| BPA SYSTEM-NON ELECTRIC PLANT& MISC | 21,043,102 |
| BRASADA SUBSTATION (CENTRAL ELECTRIC COOPERATIVE) | 187,017 |
| BRIDGE SUBSTATION | 34,676 |
| BUCK BUTTE RADIO STATION | 8,923 |
| BUCKLEY SUBSTATION | 44,620 |
| CALPINE SUBSTATION | 170,566 |
| CAPTAIN JACK SUBSTATION | 76,789 |
| CARDWELL SUBSTATION | 91,579 |
| CARLTON SUBSTATION | 143,120 |
| CASCADE STEEL SUBSTATION | 7,187 |
| CELILO DC CONVERTER STATION | 9,208,195 |
| CHEHALIS RADIO STATION | 2,057 |

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|---|------------|
| CHEHALIS SUBSTATION | 328,874 |
| CHEMAWA SUBSTATION | 256,993 |
| CHENOWETH SUBSTATION | 30,194 |
| CHIEF JOSEPH SUBSTATION | 46,909 |
| COLUMBIA FALLS ALUMINUM COMPANY SUBSTATION | 19,459 |
| COLUMBIA FALLS SUBSTATION - 230 KV YARD | 385,522 |
| COLUMBIA SUBSTATION | 463,846 |
| COLVILLE SUBSTATION | 11,883 |
| CONDON SUBSTATION | 29,512 |
| CONDON WIND SUBSTATION(SEAWEST) | 283,503 |
| CONKELLEY SUBSTATION | 130,294 |
| CONNELL SUBSTATION | 14,474 |
| COSMOPOLIS SUBSTATION | 69,807 |
| COVINGTON SUBSTATION | 147,447 |
| COWLITZ SUBSTATION(BPA) | 177,515 |
| COYOTE SPRINGS SUBSTATION | 22,177 |
| CRESTON SUBSTATION(BPA) | 69,343 |
| CULDESAC RADIO STATION | 533 |
| CUSICK SUBSTATION | 74,316 |
| CUSTER SUBSTATION | 330,386 |
| DE MOSS SUBSTATION(BPA) | 509,045 |
| DEER PARK SUBSTATION | 3,886 |
| DITTMER BPA SYSTEM CONTROL CENTER | 80,327,926 |
| DRAIN SUBSTATION | 22,237 |
| DRISCOLL SUBSTATION | 46,177 |
| DRUMMOND SUBSTATION | 230,117 |
| DWORSHAK POWERHOUSE | 132,704 |
| DWORSHAK SUBSTATION | 131,479 |
| EAST OMAK SUBSTATION | 164,853 |
| EASTERN CONTROL CENTER | 3,697 |
| EASTSIDE SYSTEM CONTROL CENTER(PSE) | 8,768 |
| ECHO LAKE SUBSTATION | 70,699 |
| EUGENE C. STARR COMPLEX | 31,743 |
| EUGENE SUBSTATION | 75,533 |
| FAIRMOUNT SUBSTATION | 66,191 |
| FAIRVIEW SUBSTATION(BPA) | 205,282 |
| FIDALGO SUBSTATION | 6,872 |
| FLATHEAD SUBSTATION(BPA & FLATHEAD ELEC) | 292,381 |
| FOREST GROVE SUBSTATION | 112,995 |
| FORT ROCK COMPENSATION STATION | 406 |
| FORT ROCK SUBSTATION (MIDSTATE ELECTRIC COOP) | 27,484 |
| FRANKLIN SUBSTATION | 247,785 |
| FREEWATER SUBSTATION(BPA) | 15,432 |
| GARRISON SUBSTATION | 1,874,531 |
| GOSHEN SUBSTATION(UTAH POWER & LIGHT) | 231,030 |
| GRAND COULEE 115 KV SWITCHYARD | 869,968 |
| GRAND COULEE 230 KV SWITCHYARD | 709,551 |
| GRAND COULEE 500 KV SWITCHYARD | 147,351 |
| GRAND COULEE RADIO STATION | 208,028 |
| GRAND COULEE SUBSTATION | 211,505 |
| GRANDVIEW SUBSTATION | 13,048 |
| GREEN PETER SUBSTATION | 17,205 |
| GRIZZLY SUBSTATION | 24,261 |
| HANFORD SUBSTATION | 915,989 |
| HAPPY CAMP RADIO STATION(PG&E) | 44,805 |
| HARNEY SUBSTATION(BPA) | 142,960 |
| HARVALUM SUBSTATION | 87,669 |
| HARVEY SUBSTATION | 13,444 |
| HATWAI SUBSTATION | 63,305 |
| HAY CANYON SUBSTATION (IBERDOLA) | 52,792 |
| HEYBURN SUBSTATION | 14,446 |
| HILLTOP SUBSTATION | 30,653 |
| HOOD RIVER SUBSTATION | 98,499 |
| HORN BUTTE SUBSTATION (INVENERGY WIND) | 21,766 |
| HORSE HEAVEN SUBSTATION | 135,366 |
| HOT SPRINGS SUBSTATION | 172,041 |
| HUNGRY HORSE POWERHOUSE | 468,842 |
| INTALCO SUBSTATION | 19,480 |
| IONA BUTTE RADIO STATION | 2,590 |
| JOHN DAY SUBSTATION | 515,753 |
| JONES CANYON SUBSTATION | 570,325 |
| KALISPELL SUBSTATION(BPA) | 31,178 |
| KEELER SUBSTATION | 64,713 |
| KENNEWICK RADIO STATION | 3,749 |
| KITSAP SUBSTATION | 112,892 |
| LA GRANDE SUBSTATION | 69,987 |
| LA PINE SUBSTATION | 31,226 |
| LANCASTER SUBSTATION(BPA) | 181,691 |
| LANE SUBSTATION | 69,052 |
| LEXINGTON SUBSTATION | 427,143 |
| LIBBY SUBSTATION(BPA) | 30,624 |
| LITTLE GOOSE POWERHOUSE | 26,599 |
| LITTLE GOOSE SUBSTATION | 861,512 |
| LONGVIEW SUBSTATION | 490,281 |

Appendix A
BP14 Rate Case Final Proposal Segmentation Details

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|-------------------------------------|------------|
| LOOKOUT POINT SUBSTATION | 168,496 |
| LOPEZ ISLAND SUBSTATION(BPA) | 6,079 |
| LOST RIVER SUBSTATION | 9,581 |
| LOWER GRANITE SUBSTATION | 423,147 |
| LOWER MONUMENTAL SUBSTATION | 799,040 |
| MACKS INN SUBSTATION | 8,757 |
| MALIN MAINTENANCE HEADQUARTERS | 59,089 |
| MALIN SUBSTATION | 121,224 |
| MAPLE VALLEY SUBSTATION | 136,293 |
| MARION SUBSTATION | 50,889 |
| MARTIN CREEK SUBSTATION | 42,765 |
| MAUPIN SUBSTATION | 50,782 |
| MCLOUGHLIN SUBSTATION | 77,460 |
| MCMINNVILLE SUBSTATION | 10,910 |
| MCNARY SUBSTATION | 579,109 |
| MIDWAY SUBSTATION(BPA) | 18,480 |
| MONMOUTH SUBSTATION | 3,517 |
| MONROE SUBSTATION | 222,755 |
| MOXEE SUBSTATION | 36,140 |
| MT. HEBO RADIO STATION | 30,899 |
| MUNRO BPA SYSTEM CONTROL CENTER | 11,362,415 |
| MURRAY SUBSTATION | 20,792 |
| NAPAVINE SUBSTATION | 170,420 |
| NASELLE SUBSTATION | 220,459 |
| NINE CANYON SUBSTATION (BENTON PUD) | 209,461 |
| NINE MILE SUBSTATION (FPLE) | 266,961 |
| NORTH BONNEVILLE SUBSTATION | 241,495 |
| NOXON CONSTRUCTION SUBSTATION | 982 |
| OLYMPIA SUBSTATION | 60,331 |
| OREGON CITY SUBSTATION | 15,282 |
| OSTRANDER PASSIVE REPEATER SITE | 1,213 |
| OSTRANDER SUBSTATION | 19,385 |
| PALISADES POWERHOUSE | 31,408 |
| PAUL SUBSTATION | 284,179 |
| PEARL SUBSTATION | 152,709 |
| PLUM RADIO STATION | 60,317 |
| PONDEROSA SUBSTATION(BPA) | 3,987 |
| PORT ANGELES SUBSTATION(BPA) | 307,221 |
| PORT ORFORD SUBSTATION | 1,650 |
| RAVER SUBSTATION | 72,009 |
| RAYMOND SUBSTATION | 73,048 |
| RED MOUNTAIN SUBSTATION | 353,542 |
| REDMOND SUBSTATION(BPA) | 170,089 |
| REEDSPORT SUBSTATION (BPA) | 347,724 |
| RICHLAND SUBSTATION | 173,512 |
| ROCK CREEK SUBSTATION | 167,443 |
| ROCKY REACH SWITCHYARD | 10,008 |
| ROSS COMPLEX | 11,052 |
| ROSS SUBSTATION | 72,916 |
| ROUND VALLEY SUBSTATION | 9,332 |
| ROUNDUP SUBSTATION | 103,350 |
| SACAJAWEA SUBSTATION | 11,318 |
| SAND CREEK SUBSTATION | 24,113 |
| SAND DUNES SUBSTATION | 7,208 |
| SANDPOINT SUBSTATION(BPA) | 14,513 |
| SANTIAM SUBSTATION | 52,080 |
| SAPPHO SUBSTATION | 4,868 |
| SATSOP PARK SUBSTATION (GHPUD) | 10,920 |
| SATSOP SUBSTATION(BPA) | 108,841 |
| SCHULTZ SUBSTATION | 137,683 |
| SEDRO WOOLLEY SUBSTATION | 25,481 |
| SHANO SUBSTATION | 4,255 |
| SHELTON SUBSTATION | 61,607 |
| SICKLER SUBSTATION | 181,871 |
| SIFTON SUBSTATION | 97,766 |
| SILVER CREEK SUBSTATION | 225,802 |
| SKYROCKET RADIO STATION | 8,941 |
| SNOHOMISH SUBSTATION | 277,715 |
| SNO-KING SUBSTATION | 130,140 |
| SOUTH TACOMA SUBSTATION | 213,815 |
| SPAR CANYON SUBSTATION | 8,749 |
| SPRING CREEK SUBSTATION | 34,581 |
| ST. JOHNS SUBSTATION | 34,628 |
| STEILACOOM SUBSTATION | 2,911 |
| SUMMER LAKE SUBSTATION | 35,875 |
| SWAN VALLEY RADIO STATION | 8,904 |
| SWAN VALLEY SUBSTATION | 129,757 |
| SYSTEM WIDE | 819,368 |
| TACOMA RADIO STATION | 15,376 |
| TACOMA SUBSTATION | 83,008 |
| TAFT SUBSTATION | 982 |
| TAHKENITCH SUBSTATION | 139,952 |
| TARGHEE SUBSTATION | 12,526 |
| TEAKEAN BUTTE RADIO STATION | 66,706 |

Appendix A
BP14 Rate Case Final Proposal Segmentation Details

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|---|---------------------------|
| TETON SUBSTATION | 364,191 |
| THE DALLES SUBSTATION | 102,870 |
| TILLAMOOK SUBSTATION | 25,845 |
| TINCUP SUBSTATION | 147,498 |
| TOLEDO SUBSTATION | 299,940 |
| TRENTWOOD SUBSTATION | 116,476 |
| TROUTDALE SUBSTATION(BPA) | 84,977 |
| TUCANNON RIVER SUBSTATION | 209,349 |
| UNITY SUBSTATION(BPA) | 8,457 |
| VALHALLA SUBSTATION | 728,708 |
| VANSYCLE RIDGE WIND GENERATION FACILITY | 68,676 |
| VANTAGE SUBSTATION | 544,206 |
| WALLA WALLA SUBSTATION(BPA) | 345,896 |
| WARNER SUBSTATION | 22,126 |
| WAUTOMA SUBSTATION | 292,418 |
| WENDSON SUBSTATION | 303,201 |
| WEST PORTLAND RADIO STATION | 148,357 |
| WEYERHAEUSER INDUSTRIAL WAY WEYCO NO 1 SUBSTATION (COWLITZ) | 8,630 |
| WHITE BLUFFS SUBSTATION | 180,060 |
| WHITE CREEK SUBSTATION (KPUD) | 43,376 |
| WILLIS SUBSTATION (KPUD) | 22,606 |
| WINE COUNTRY SUBSTATION | 162,189 |
| Total Ancillary Service | <u>163,816,783</u> |

*** Defined by FERC Account 353(1) Control, 391(2) Hardware, 391(3) Software, and 397(104,108) SCADA Communication:

Appendix A
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General Plant Facilities

| General Plant | Investment (\$) |
|---|------------------------|
| ABERDEEN SUBSTATION | 51,922 |
| ADDY SUBSTATION | 42,118 |
| ADEL RADIO STATION | 1,153,729 |
| ALBANY SUBSTATION | 351,924 |
| ALBANY-EUGENE NO 1 | 417,035 |
| ALBENI FALLS RADIO STATION (USCE) | 167,336 |
| ALBENI FALLS SUBSTATION | 3,992 |
| ALBION BUTTE RADIO STATION | 204,370 |
| ALCOA SUBSTATION | 92,061 |
| ALDER METERING POINT | 9,317 |
| ALFALFA SUBSTATION | 109,518 |
| ALLSTON SUBSTATION | 1,401,172 |
| ALVEY MAINTENANCE HEADQUARTERS | 844,250 |
| ALVEY SUBSTATION | 4,711,842 |
| ANACONDA SUBSTATION | 198,847 |
| APPLEGATE BUTTE RADIO STATION | 1,813,502 |
| ARTONDALE SUBSTATION | 38,647 |
| ASHE MAINTENANCE HEADQUARTERS | 2,409,638 |
| ASHE SUBSTATION | 3,420,068 |
| ASHTON HILL RADIO STATION | 155,791 |
| AUGSPURGER MOUNTAIN RADIO STATION | 320,586 |
| BADGER CANYON SUBSTATION | 671,301 |
| BAKEOVEN COMPENSATION STATION | 20,113 |
| BALD MOUNTAIN RADIO STATION | 1,373,383 |
| BALD PEAK RADIO STATION | 85,096 |
| BANDON SUBSTATION | 684,901 |
| BEAVER SUBSTATION (PGE) | 140,648 |
| BELL MAINTENANCE HEADQUARTERS | 6,887,379 |
| BELL SUBSTATION | 3,999,290 |
| BELLINGHAM SUBSTATION(BPA) | 961,749 |
| BELLINGHAM-CUSTER FIBER SYSTEM | 3,760,858 |
| BELL-NOXON FIBER SYSTEM | 3,981,955 |
| BENNETT MOUNTAIN RADIO STATION | 89,534 |
| BENTON SUBSTATION | 48,848 |
| BENTON-FRANKLIN NO 1 | 15,180 |
| BETTAS ROAD SUBSTATION | 482,404 |
| BEVERLY RADIO STATION | 75,088 |
| BIDDLE BUTTE RADIO STATION | 32,158 |
| BIG EDDY 500 KV SWITCHYARD | 302,747 |
| BIG EDDY SUBSTATION | 3,295,427 |
| BIG EDDY-TROUTDALE NO 1 | 63,155 |
| BIRCH CREEK RADIO STATION | 29,191 |
| BLACK MOUNTAIN RADIO STATION | 142,573 |
| BLACKTAIL PEAK RADIO STATION | 580,461 |
| BLUE RIDGE RADIO STATION | 441,312 |
| BOARDMAN SUBSTATION | 418,466 |
| BOARDMAN-TOWER ROAD NO 1 | (5,942) |
| BOISTFORT PEAK RADIO STATION(WEYERHOUSER) | 55,063 |
| BONNERS FERRY SUBSTATION | 53,864 |
| BONNEVILLE POWERHOUSE #1 | 3,513 |
| BOUNDARY SUBSTATION | 937,566 |
| BPA HEADQUARTERS BUILDING | 94,536 |
| BPA SYSTEM | 36,439,456 |
| BPA SYSTEM-LINES | 209,411 |
| BPA SYSTEM-METERS | 14,275 |
| BPA SYSTEM-MICROWAVE &RADIO STATIONS | 474,293 |
| BPA SYSTEM-NON ELECTRIC PLANT& MISC | 81,991,663 |
| BRADFORD ISLAND RADIO STATION | 58,502 |
| BRASADA SUBSTATION (CENTRAL ELECTRIC COOPERATIVE) | 456,814 |
| BRIDGE SUBSTATION | 17,011 |
| BROADVIEW SUBSTATION | 36,126 |
| BROOKDALE SUBSTATION(ELMHURSTMUTUAL PWR & LIGHT) | 44,058 |
| BUCK BUTTE RADIO STATION | 1,598,343 |
| BUCKLEY SUBSTATION | 1,915,600 |
| BURLEY MAINTENANCE HEADQUARTERS | 57,779 |
| BURNS RADIO STATION | 132,271 |
| CABBAGE HILL RADIO STATION | 84,401 |
| CALPINE SUBSTATION | 381,455 |
| CAPE BLANCO RADIO STATION (BPA) | 902,315 |
| CAPITOL PEAK RADIO STATION(BPA) | 583,519 |
| CAPTAIN JACK SUBSTATION | 1,628,771 |
| CARDWELL SUBSTATION | 213,502 |
| CARLTON SUBSTATION | 396,407 |
| CARLTON-SHERWOOD NO 1 | 556 |
| CASCADE STEEL SUBSTATION | 28,301 |
| CELILO DC CONVERTER STATION | 5,419,519 |
| CELILO MAINTENANCE HEADQUARTERS | 21,287 |
| CENTRALIA SUBSTATION | 31,477 |
| CHEHALIS MAINTENANCE HEADQUARTERS | 79,987 |
| CHEHALIS RADIO STATION | 128,615 |
| CHEHALIS SUBSTATION | 1,509,496 |
| CHEMAWA MAINTENANCE HEADQUARTERS | 93,505 |

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|---|------------|
| CHEMAWA SUBSTATION | 7,056,934 |
| CHENOWETH SUBSTATION | 252,909 |
| CHIEF JOSEPH POWERHOUSE | 508,107 |
| CHIEF JOSEPH SUBSTATION | 2,288,689 |
| CLARK SUB | 4,827 |
| CLATSOP SUBSTATION | 10,265 |
| CLINTON SUBSTATION (SOLD) | 1,193 |
| COBURG RADIO STATION | 225,732 |
| COBURG SUBSTATION | 140,618 |
| COLSTRIP SES | 41,676 |
| COLSTRIP SUBSTATION | 247,062 |
| COLUMBIA FALLS SUBSTATION -- 115 YARD | 406,902 |
| COLUMBIA FALLS SUBSTATION - 230 KV YARD | 1,191,780 |
| COLUMBIA FALLS-KALISPELL NO 1 | 31,810 |
| COLUMBIA GENERATING STATION SUBSTATION (ENERGY NORTHWEST) | 1,864,102 |
| COLUMBIA GENERATING STATION-ASHE FIBER SYSTEM | 126,744 |
| COLUMBIA SUBSTATION | 1,372,878 |
| COLVILLE SUBSTATION | 185,792 |
| CONDON WIND SUBSTATION(SEAWEST) | 17,366 |
| CONKELLEY SUBSTATION | 1,756,049 |
| COSMOPOLIS SUBSTATION | 4,164 |
| COVINGTON MAINTENANCE HEADQUARTERS | 750,168 |
| COVINGTON SUBSTATION | 3,650,407 |
| COVINGTON-BELL FIBER SYSTEM | 18,377,621 |
| COVINGTON-BETTAS ROAD NO 1 | 402,607 |
| COVINGTON-MAPLE VALLEY FIBER SYSTEM | 2,941,491 |
| COVINGTON-MUNRO FIBER SYSTEM(INACTIVE SEE NOTES) | 1,383,291 |
| COWLITZ SUBSTATION(BPA) | 21,809 |
| COYOTE HILLS RADIO STATION | 1,373,033 |
| COYOTE SPRINGS SUBSTATION | 449,012 |
| CRESTON SUBSTATION(BPA) | 337,151 |
| CULDESAC RADIO STATION | 40,284 |
| CUSICK SUBSTATION | 86,245 |
| CUSTER MAINTENANCE HEADQUARTERS | 724,085 |
| CUSTER SUBSTATION | 2,331,219 |
| CUSTER-INGLEDOW NO 1 | 190,843 |
| DAVENPORT RADIO STATION | 85,991 |
| DE MOSS SUBSTATION(BPA) | 343,420 |
| DEAD INDIAN MOUNTAIN RADIO STATION | 51,774 |
| DECATUR SUBSTATION | 134,517 |
| DEL RIO RADIO STATION | 220,873 |
| DEVILS MOUNTAIN RADIO STATION | 548,505 |
| DITTMER BPA SYSTEM CONTROL CENTER | 29,850,355 |
| DIXONVILLE SUBSTATION | 164,947 |
| DOMINION PEAK BALD MOUNTAIN(INACTIVE. SEE NOTES) | 35,587 |
| DOUGLAS SWITCHYARD | 68,042 |
| DRAIN SUBSTATION | 21,211 |
| DRISCOLL SUBSTATION | 58,340 |
| DRISCOLL-NASELLE NO 1 | 274,886 |
| DRUMMOND SUBSTATION | 193,289 |
| DWORSHAK POWERHOUSE | 94,065 |
| DWORSHAK SUBSTATION | 529,413 |
| EAST OMAK SUBSTATION | 42,689 |
| EASTERN CONTROL CENTER | 1,161,009 |
| EASTON RADIO STATION | 310,876 |
| EASTSIDE SYSTEM CONTROL CENTER(PSE) | 14,423 |
| ECHO LAKE SUBSTATION | 1,420,119 |
| ECHO LAKE-MONROE-SNOHOMISH FIBER SYSTEM | 4,908,397 |
| ELLENSBURG SUBSTATION | 377,775 |
| ELLENSBURG-MOXEE NO 1 | 254,038 |
| ELLIS MOUNTAIN RADIO STATION | 32,352 |
| ELLIS RADIO STATION | 556 |
| EUGENE C. STARR COMPLEX | 3,497,144 |
| EUGENE SUBSTATION | 342,268 |
| EUGENE-ALDERWOOD NO 1 | 417,035 |
| FAIRMOUNT SUBSTATION | 16,010 |
| FAIRVIEW SUBSTATION(BPA) | 799,002 |
| FIDALGO SUBSTATION | 434,263 |
| FIDALGO-LOPEZ ISLAND NO 5 | 95,100 |
| FLATHEAD SUBSTATION(BPA & FLATHEAD ELEC) | 1,182,863 |
| FOLSOM CONTROL CENTER (CAL ISO) | 3,416 |
| FOREST GROVE SUBSTATION | 106,629 |
| FOREST GROVE-MCMINNVILLE NO 1 | 6,668 |
| FORT ROCK COMPENSATION STATION | 371,978 |
| FORT ROCK SUBSTATION (MIDSTATE ELECTRIC COOP) | 3,351 |
| FOSTER CREEK RADIO STATION | 48,736 |
| FOSTER SUBSTATION | 16,933 |
| FRANKLIN MAINTENANCE HEADQUARTERS | 233,605 |
| FRANKLIN SUBSTATION | 1,444,893 |

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| FRANKLIN-MUNRO FIBER SYSTEM | 16,440,087 |
| FRANZ HOLMES SUBSTATION | 2,341 |
| FREDERICKSON GENERATING PLANT(FREDERICKSON POWER LP) | 119,537 |
| FRENCHMAN SPRINGS SUBSTATION | 766 |
| GARDINER RIDGE RADIO STATION(BPA) | 23,654 |
| GARDINER RIDGE RADIO STATION(CENTRAL LINCOLN PUD) | 10,244 |
| GARRISON MAINTENANCE HEADQUARTERS | 158,654 |
| GARRISON SUBSTATION | 4,785,254 |
| GIG HARBOR SUBSTATION | 46,027 |
| GOLDENDALE SUBSTATION(BPA) | 11,710 |
| GOODWIN PEAK RADIO STATION | 390,889 |
| GOSHEN SUBSTATION(UTAH POWER & LIGHT) | 38,803 |
| GRAND COULEE 115 KV SWITCHYARD | 634,783 |
| GRAND COULEE 115KV-GRAND COULEE RS FIBER SEG | 249,005 |
| GRAND COULEE 230 KV SWITCHYARD | 684,577 |
| GRAND COULEE 500 KV SWITCHYARD | 1,217,762 |
| GRAND COULEE MAINTENANCE BUILDING | 629,567 |
| GRAND COULEE PASSIVE REPEATERSITE | 556 |
| GRAND COULEE RADIO STATION | 386,369 |
| GRAND COULEE SUBSTATION | 113,077 |
| GRAND COULEE THIRD POWERHOUSE | 152,907 |
| GRAND COULEE-BELL NO 5 | 22,276 |
| GRANDVIEW SUBSTATION | 38,617 |
| GRANITE MOUNTAIN RADIO STATION | 185,927 |
| GRASSY MOUNTAIN RADIO STATION | 556 |
| GRAZZINI SUBSTATION | 69,978 |
| GREEN MOUNTAIN PASSIVE REPEATER SITE | 18,681 |
| GREENBERRY SUBSTATION | 645 |
| GRIZZLY MOUNTAIN RADIO STATION | 90,226 |
| GRIZZLY SUBSTATION | 911,895 |
| GROUSE PEAK RADIO STATION | 375,503 |
| HAAKENSON SUBSTATION | 24,891 |
| HALL RIDGE RADIO STATION | 392,006 |
| HAMPTON BUTTE RADIO STATION | 343,430 |
| HANFORD SUBSTATION | 753,297 |
| HANFORD-WAUTOMA NO 1 | 1,770 |
| HAPPY CAMP RADIO STATION(PG&E) | 485,754 |
| HAPPY CAMP RADIO STATION(TANC) | 52,708 |
| HAPPY VALLEY SUBSTATION | 1,657 |
| HARNEY SUBSTATION(BPA) | 270,352 |
| HARVALUM SUBSTATION | 487,931 |
| HARVEY SUBSTATION | 142,362 |
| HAT ROCK SUBSTATION | 87,437 |
| HATWAI SUBSTATION | 1,330,644 |
| HAUSER SUBSTATION(BPA) | 9,889 |
| HAUSER-NORTH BEND MAINTENANCE HQ FIBER SYSTEM | 52,648 |
| HAYDEN SUBSTATION | 4,128 |
| HAYSTACK BUTTE RADIO STATION | 86,253 |
| HEYBURN SUBSTATION | 26,048 |
| HILLTOP SUBSTATION | 27,330 |
| HOLCOMB RADIO STATION | 11,374 |
| HOLCOMB SUBSTATION | 16,087 |
| HOOD RIVER SUBSTATION | 143,515 |
| HOOD RIVER-THE DALLES NO 1 | 95,770 |
| HORN BUTTE TAP TO TOWER ROAD-ALKALI NO 1 | 7,512 |
| HORSE HEAVEN SUBSTATION | 11,423 |
| HOT SPRINGS SUBSTATION | 2,578,325 |
| HOT SPRINGS-GARRISON FIBER SYSTEM | 9,027,301 |
| HUNGRY HORSE POWERHOUSE | 543,650 |
| HUNGRY HORSE RADIO STATION | 653,256 |
| HUNGRY HORSE SWITCHYARD | 41,716 |
| ICE HARBOR POWERHOUSE | 251,067 |
| IDAHO FALLS DISTRICT OFFICE AND MAINTENANCE HEADQUARTERS | 4,447,679 |
| IDAHO FALLS STORAGE YARD | 380,162 |
| INTALCO SUBSTATION | 928,828 |
| IONA BUTTE RADIO STATION | 747 |
| JOHN CURTIS SUBSTATION | 68,395 |
| JOHN DAY POWERHOUSE | 270,063 |
| JOHN DAY SUBSTATION | 2,356,399 |
| JOHN DAY SUBSTATION - 230 YARD | 971,128 |
| JONES CANYON SUBSTATION | 2,483,423 |
| KAHLOTUS RADIO STATION | 116,277 |
| KALISPELL MAINTENANCE HEADQUARTERS | 7,012,388 |
| KALISPELL SUBSTATION(BPA) | 1,925,385 |

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| KEELER MAINTENANCE HEADQUARTERS | 521,342 |
| KEELER SUBSTATION | 1,422,150 |
| KEELER-ALVEY FIBER SYSTEM | 8,601,493 |
| KEELER-COVINGTON FIBER SYSTEM | 17,816,936 |
| KEELER-FOREST GROVE NO 1 | 18,163 |
| KENNEDY SUBSTATION | 3,017 |
| KENNEWICK RADIO STATION | 1,305,105 |
| KENNEWICK SUBSTATION(BENTON CO PUD) | 7,152 |
| KENYON MOUNTAIN RADIO STATION | 309,028 |
| KING LAKE RADIO STATION | 104,217 |
| KITSAP SUBSTATION | 761,990 |
| KLONDIKE SCHOOLHOUSE SUBSTATION (IBERDOLA) | 130,842 |
| LA GRANDE SUBSTATION | 164,303 |
| LA PINE SUBSTATION | 948,178 |
| LAKE BAY SUBSTATION | 119,816 |
| LAKE GROVE SUBSTATION | 56,584 |
| LAKESIDE RADIO STATION | 34,188 |
| LANCASTER SUBSTATION(BPA) | 407,219 |
| LANE SUBSTATION | 842,434 |
| LEBANON SUBSTATION | 6,013 |
| LENEVE RADIO STATION | 94,478 |
| LEWISTON MAINTENANCE HEADQUARTERS | 24,455 |
| LEXINGTON SUBSTATION | 351,036 |
| LIBBY POWERHOUSE | 529,570 |
| LIBBY SUBSTATION(BPA) | 1,769,270 |
| LIBBY SUBSTATION(BPA/FLATHEADELEC) | 434,298 |
| LINES CREEK RADIO STATION | 757,679 |
| LITTLE GOOSE PH-LITTLE GOOSE NO 1 | (1,777) |
| LITTLE GOOSE POWERHOUSE | 595,840 |
| LITTLE GOOSE SUBSTATION | 3,259,465 |
| LODHOLM SUBSTATION | 132,402 |
| LONGVIEW ANNEX I | 2,885 |
| LONGVIEW MAINTENANCE HEADQUARTERS | 267,444 |
| LONGVIEW SUBSTATION | 2,144,248 |
| LOOKOUT MOUNTAIN RADIO STATION | 37,843 |
| LOOKOUT POINT SUBSTATION | 17,902 |
| LOPEZ ISLAND SUBSTATION(BPA) | 496,029 |
| LOST RIVER SUBSTATION | 173,126 |
| LOWELL BUTTE RADIO STATION | 1,855,300 |
| LOWER GRANITE POWERHOUSE | 329,857 |
| LOWER GRANITE SUBSTATION | 4,246,564 |
| LOWER MONUMENTAL POWERHOUSE | 258,795 |
| LOWER MONUMENTAL SUBSTATION | 1,536,280 |
| LOWER MONUMENTAL-HANFORD NO 1 | 53,475 |
| LOWER MONUMENTAL-MCNARY NO 1 | 7,729 |
| LYN PUMPS PUMPING PLANT | 4,267 |
| LYNCH CREEK SUBSTATION | 121,887 |
| MACKS INN SUBSTATION | 13,198 |
| MALAGA RADIO STATION | 253,068 |
| MALIN MAINTENANCE HEADQUARTERS | 5,338,656 |
| MALIN PASSIVE REPEATER S SITE | 13,184 |
| MALIN SUBSTATION | 2,903,209 |
| MALONEY RIDGE RADIO STATION | 1,571 |
| MAPLE VALLEY SUBSTATION | 2,297,389 |
| MAPLE VALLEY-SNOHOMISH FIBER SYSTEM | 732,999 |
| MAPLETON SUBSTATION | 60,489 |
| MARION SUBSTATION | 2,030,956 |
| MARION-SANTIAM FIBER SYSTEM | 220,328 |
| MARTIN CREEK SUBSTATION | 57,943 |
| MARYS PEAK RADIO STATION | 225,335 |
| MAUPIN SUBSTATION | 229,841 |
| MAYFIELD POWERHOUSE | 12,509 |
| MAYFIELD SWITCHYARD | 57,344 |
| MCCULLOUGH SUBSTATION | 59,703 |
| MCLOUGHLIN SUBSTATION | 881,150 |
| MCMINNVILLE SUBSTATION | 235,988 |
| MCNARY MAINTENANCE HEADQUARTERS | 64,656 |
| MCNARY POWERHOUSE | 465,808 |
| MCNARY SUBSTATION | 4,138,481 |
| MCNARY-COYOTE SPRINGS NO 1 | 1,519,037 |
| MCNARY-HORSE HEAVEN NO 1 | 68,203 |
| MCNARY-JOHN DAY NO 2 | 5,361,930 |
| MEAD SUBSTATION | 4,712 |
| MEGLER RADIO STATION | 556 |

Appendix A

BP14 Rate Case Final Proposal Segmentation Details

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| MERIDIAN SUBSTATION(PACIFICORP) | 215,029 |
| MERRITT RADIO STATION | 119,019 |
| METALINE RADIO STATION | 78,233 |
| MICA PEAK RADIO STATION | 765,517 |
| MIDWAY SUBSTATION(BPA) | 2,112,049 |
| MIDWAY-MOXEE NO 1 | 33,830 |
| MILES CITY SUBSTATION | 78,146 |
| MILLER PEAK RADIO STATION | 825,116 |
| MILLER SUBSTATION(LAKEVIEW LIGHT & PWR) | 65,777 |
| MINIDOKA POWERHOUSE | 67,168 |
| MINIDOKA RADIO STATION | 104,319 |
| MINTER SUBSTATION (PENINSULA) | 100,179 |
| MOBILE COMMUNICATIONS | 409,133 |
| MONROE SUBSTATION | 1,128,212 |
| MOXEE SUBSTATION | 94,867 |
| MT. EMILY RADIO STATION | 65,833 |
| MT. HEBO RADIO STATION | 9,063 |
| MT. SPOKANE RADIO STATION(AVISTA) | 43,896 |
| MT. SPOKANE RADIO STATION(BPA) | 201,662 |
| MUNRO BPA SYSTEM CONTROL CENTER | 13,107,414 |
| MURRAY SUBSTATION | 31,793 |
| NAPAVINE SUBSTATION | 361,081 |
| NARROWS SUBSTATION | 75,170 |
| NASELLE RIDGE RADIO STATION | 13,353 |
| NASELLE SUBSTATION | 10,219 |
| NASELLE-TARLETT NO 1 | 37,122 |
| NEWPORT SUBSTATION(INLAND POWER) | 431 |
| NINE CANYON SUBSTATION (BENTON PUD) | 63,776 |
| NORTH BEND MAINTENANCE HEADQUARTERS | 2,487,737 |
| NORTH BEND RADIO STATION | 596,263 |
| NORTH BONNEVILLE SUBSTATION | 386,245 |
| NORTH BONNEVILLE-MIDWAY NO 1 | 3,745 |
| NORTH BONNEVILLE-TROUTDALE NO2 | 281,830 |
| NOTI RADIO STATION | 271,116 |
| NOXON CONSTRUCTION SUBSTATION | 344,199 |
| NOXON RADIO STATION | 1,687,314 |
| NOXON-KALISPELL FIBER SYSTEM | 11,514,282 |
| NOXON-TAFT FIBER SYSTEM | 5,718,682 |
| ODELL BUTTE RADIO STATION | 970,199 |
| OHOP SUBSTATION | 126,215 |
| OLNEY METERING POINT | 2,706 |
| OLYMPIA MAINTENANCE HEADQUARTERS | 6,562,207 |
| OLYMPIA SUBSTATION | 1,597,077 |
| OLYMPIA-ABERDEEN FIBER SYSTEM | 989,884 |
| OLYMPIA-GRAND COULEE NO 1 | 898,339 |
| OLYMPIA-KITSAP NO 3 (SEE NOTES) | 66,850 |
| OLYMPIA-PORT ANGELES FIBER SYSTEM | 6,850,457 |
| OLYMPIA-SOUTH TACOMA NO 1 | 1,318,835 |
| OREGON CITY SUBSTATION | 118,458 |
| OSTRANDER PASSIVE REPEATER SITE | 66,182 |
| OSTRANDER SUBSTATION | 6,415,861 |
| PACIFIC GAS AND ELECTRIC OPERATIONS CENTER | 4,109 |
| PALISADES POWERHOUSE | 14,556 |
| PASCO MAINTENANCE HEADQUARTERS | 196,041 |
| PATRICKS KNOB RADIO STATION | 701,903 |
| PAUL SUBSTATION | 1,479,161 |
| PBL ROSS EMERGENCY SCHEDULINGCENTER (ESC) | 57,571 |
| PEARL SUBSTATION | 1,246,402 |
| PEARL-TROUTDALE FIBER SYSTEM | 4,093,153 |
| PENDLETON SUBSTATION | 17,757 |
| PILOT BUTTE-LA PINE NO 1 | 124,765 |
| PINE MOUNTAIN RADIO STATION | 192,493 |
| POMEROY RADIO STATION | 542,569 |
| POMEROY SUBSTATION(BPA) | 133,662 |
| PONDEROSA SUBSTATION(BPA) | 231,433 |
| PORT ANGELES SUBSTATION(BPA) | 139,450 |
| PORTLAND INTERNATIONAL AIRPORT HANGAR | 1,160,192 |
| POTHOLES SUBSTATION | 33,878 |
| PROSPECT HILL RADIO STATION | 513,780 |
| PURDY SUBSTATION | 46,473 |
| RAINIER RADIO STATION | 189,502 |
| RAINIER SUBSTATION | 3,384 |
| RATTLESNAKE SUBSTATION(MPC) | 554,550 |
| RAVER SUBSTATION | 2,796,798 |

Appendix A
BP14 Rate Case Final Proposal Segmentation Details

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|---|------------|
| RAVER-ECHO LAKE FIBER SYSTEM | 7,294,724 |
| RAYMOND HILL RADIO STATION | 18,859 |
| RAYMOND SUBSTATION | 21,198 |
| RED MOUNTAIN SUB (BENTON REA)- NEVER BUILT-OBS | 391,394 |
| RED MOUNTAIN SUBSTATION | 462,774 |
| REDMOND BPA HANGAR SITE | 1,348,223 |
| REDMOND MAINTENANCE HEADQUARTERS | 3,092,670 |
| REDMOND SUBSTATION(BPA) | 1,409,148 |
| REEDSPORT SUBSTATION (BPA) | 177,550 |
| REEDSPORT-FAIRVIEW NO 1 | 314,896 |
| REEDSPORT-TAHKENITCH FIBER SYSTEM | 193,800 |
| RESTON SUBSTATION | 153,458 |
| RICHLAND SUBSTATION | 98,308 |
| ROCK CREEK SUBSTATION | 602,715 |
| ROCK CREEK-JOHN DAY NO 1 | 1,994 |
| ROCKDALE RADIO STATION | 31,091 |
| ROCKY RADIO STATION [RET] | 12,681 |
| ROCKY REACH SUBSTATION | 556 |
| ROCKY REACH SWITCHYARD | 85,702 |
| ROCKY RIDGE RADIO STATION | 941,683 |
| ROGUE SUBSTATION | 725,548 |
| ROOSEVELT RADIO STATION | 240,239 |
| ROSS AMPERE BUILDING | 1,612,752 |
| ROSS COMPLEX | 61,439,181 |
| ROSS CONSTRUCTION AND SERVICES BUILDING | 1,947,939 |
| ROSS EHV LABORATORY | 603,409 |
| ROSS MAINTENANCE HEADQUARTERS | 205,983 |
| ROSS PLANT SERVICES BUILDING | 105,387 |
| ROSS RADIO STATION | 45,113 |
| ROSS SUBSTATION | 521,532 |
| ROSS TOOLS AND EQUIPMENT BUILDING | 3,459,851 |
| ROSS WAREHOUSE | 5,737,739 |
| ROSS-FRANKLIN FIBER SYSTEM | 20,824,306 |
| ROSS-MALIN FIBER SYSTEM | 20,193,947 |
| ROUND VALLEY SUBSTATION | 133,669 |
| ROUNDUP SUBSTATION | 86,577 |
| SACAJAWEA SUBSTATION | 70,399 |
| SACHEEN SUBSTATION | 26,811 |
| SALEM PASSIVE REPEATER SITE | 10,266 |
| SALEM SUBSTATION(| 558,458 |
| SAND DUNES SUBSTATION | 58,891 |
| SAND SPRING COMPENSATION STATION | 93,311 |
| SANDPOINT SUBSTATION(BPA) | 22,550 |
| SANTIAM SUBSTATION | 1,640,821 |
| SANTIAM-BETHEL NO 1 | 206,955 |
| SATSOP SUBSTATION(BPA) | 677,024 |
| SAWTELL RADIO STATION | 210,883 |
| SCHULTZ MAINTENANCE HEADQUARTERS | 2,704,238 |
| SCHULTZ SUBSTATION | 1,643,787 |
| SCHULTZ-ECHO LAKE NO 1 | 1,237,435 |
| SCHULTZ-WAUTOMA NO 1 | 18,029,963 |
| SCOTT MOUNTAIN RADIO STATION | 288,852 |
| SEATTLE RADIO STATION | 3,908 |
| SHANIKO RADIO STATION | 44,966 |
| SHANO SUBSTATION | 13,189 |
| SHELTON SUBSTATION | 61,900 |
| SHELTON-KITSAP NO 2 | 399,843 |
| SHELTON-SOUTH BREMERTON NO 1 | 399,843 |
| SICKLER MAINTENANCE HEADQUARTERS | 1,069,891 |
| SICKLER SUBSTATION | 2,023,076 |
| SICKLER-SCHULTZ NO 1 | 311,816 |
| SIFTON SUBSTATION | 1,309,745 |
| SILVER CREEK SUBSTATION | 433,737 |
| SILVERADO SUBSTATION (CLALLAM CO. PUD) | 875 |
| SKYROCKET RADIO STATION | 853,563 |
| SLATT SUBSTATION | 2,779,983 |
| SNOHOMISH CO. PUD DISPATCH CENTER | 8,094 |
| SNOHOMISH MAINTENANCE HEADQUARTERS | 1,648,879 |
| SNOHOMISH SUBSTATION | 3,237,030 |
| SNO-KING SUBSTATION | 1,193,261 |
| SNO-KING-MAPLE VALLEY NO. 2 | 45,639 |
| SNO-KING-SNOHOMISH FIBER SYSTEM (DO NOT USE, SEE NOTES) | 2,949,281 |
| SOUTH MOUNTAIN RADIO STATION | 297,568 |
| SOUTH TACOMA SUBSTATION | 319,695 |

Appendix A
BP14 Rate Case Final Proposal Segmentation Details

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|--|------------|
| SPAR CANYON SUBSTATION | 136,951 |
| SPOKANE HANGAR | 1,705,354 |
| SPRING CREEK SUBSTATION | 161,800 |
| SPRING CREEK-WINE COUNTRY NO 1 | 50,782 |
| SQUAK MOUNTAIN RADIO STATION | 63,709 |
| ST. JOHNS SUBSTATION | 9,571 |
| STAMPEDE PASS RADIO STATION | 145,800 |
| STEILACOOM SUBSTATION | 97,941 |
| SUMMER LAKE HOUSING | 143,243 |
| SUMMER LAKE SUBSTATION | 1,016,692 |
| SUN HARBOR SUBSTATION | 13,914 |
| SUNNYSIDE RADIO STATION | 756,612 |
| SURPRISE LAKE SUBSTATION | 80,458 |
| SWAN LAKE POINT RADIO STATION | 64,785 |
| SWAN VALLEY RADIO STATION | 111,605 |
| SWAN VALLEY SUBSTATION | 262,636 |
| SWAN VALLEY-TETON NO 1 | 94,591 |
| SWAN VALLEY-TETON NO 2 | 94,531 |
| SYCAN COMPENSATION STATION | 295,917 |
| SYSTEM WIDE | 22,836,676 |
| TACOMA PASSIVE REPEATER SITE | 7,992 |
| TACOMA RADIO STATION | 1,896,388 |
| TACOMA SUBSTATION | 1,328,144 |
| TAFT SUBSTATION | 1,987,212 |
| TAHKENITCH SUBSTATION | 207,583 |
| TANNER TAP TO SNOQUALMIE-LAKE TRADITION NO 1 | 2,223,299 |
| TARGHEE SUBSTATION | 138,873 |
| TARKIO SUBSTATION (SOLD) | 2,772 |
| TEAKEAN BUTTE RADIO STATION | 191,019 |
| TEANAWAY RADIO STATION | 231,214 |
| TETON SUBSTATION | 86,163 |
| THE DALLES FISHWAY HYDRO PLANT | 16,496 |
| THE DALLES MAINTENANCE HEADQUARTERS | 4,601,552 |
| THE DALLES OPERATING DISTRICTHEADQUARTERS | 26,595 |
| THE DALLES POWERHOUSE | 293,724 |
| THE DALLES SUBSTATION | 251,433 |
| THOMPSON FALLS RADIO STATION | 466,622 |
| TILLAMOOK SUBSTATION | 392,068 |
| TOLEDO SUBSTATION | 161,010 |
| TRENTWOOD SUBSTATION | 87,179 |
| TROUTDALE SUBSTATION(BPA) | 2,935,592 |
| TROUTDALE SUBSTATION(PACIFICORP) | 151,373 |
| TROY SUBSTATION | 3,763 |
| TUCANNON RIVER SUBSTATION | 1,042,719 |
| TUNK MOUNTAIN RADIO STATION | 211,786 |
| TWO PARK PLACE | 25,339 |
| TYEE SUBSTATION | 88,101 |
| UNITY SUBSTATION(BPA) | 42,793 |
| USK SUBSTATION(BPA) | 144,441 |
| VALHALLA SUBSTATION | 426,991 |
| VANTAGE SUBSTATION | 906,320 |
| VAUGHN SUBSTATION | 113,732 |
| WALKER MOUNTAIN RADIO STATION | 375,144 |
| WALLA WALLA SUBSTATION(BPA) | 764,283 |
| WALLA WALLA SUBSTATION(PACIFICORP) | 16,384 |
| WALLA WALLA-WALLA WALLA (PACW) NO 1 | 163,462 |
| WARDEN POLE METERING POINT | 6,664 |
| WARNER SUBSTATION | 346,484 |
| WASCO RADIO STATION | 688,009 |
| WATERVILLE RADIO STATION | 105,061 |
| WAUNA PAPER MILL | 9,063 |
| WAUTOMA SUBSTATION | 2,839,903 |
| WAUTOMA-COLUMBIA FIBER SYSTEM | 5,084,288 |
| WAUTOMA-OSTRANDER NO 1 | 19,979 |
| WEISER SUBSTATION | 7,809 |
| WENDSON SUBSTATION | 565,011 |
| WENDSON-TAHKENITCH NO 2 | 514,470 |
| WEST PORTLAND RADIO STATION | 69,266 |
| WESTSIDE SUBSTATION(BPA) | 21,113 |
| WHISKEY RIDGE RADIO STATION | 18,065 |
| WHITE BLUFFS SUBSTATION | 815,324 |
| WILSON RIVER SUBSTATION | 5,855 |
| WINCHESTER SUBSTATION | 11,849 |
| WINDY DEVIL RADIO STATION | 82,197 |

Appendix A
BP14 Rate Case Final Proposal Segmentation Details

| | |
|-----------------------------|---------------------------|
| WINE COUNTRY SUBSTATION | 732,852 |
| WOLF MOUNTAIN RADIO STATION | 1,472,604 |
| WPPSS NO. 2 POWERHOUSE | 89,096 |
| Total General Plant | <u><u>759,709,225</u></u> |

APPENDIX B

| | A | B | C | D | E | F | G | H | I | J | K | L | M |
|----|---|--------------|--------------|--------------|-------------------|--------------|--------------|--------------|--------------|--------------|----------------------|--------------|--------------|
| 1 | Appendix B - Future Plant in Service | | | | | | | | | | | | |
| 2 | Project | Total | | | Substation | | | Line | | | General Plant | | |
| 3 | | FY 13 | FY 14 | FY 15 | FY 13 | FY 14 | FY 15 | FY 13 | FY 14 | FY 15 | FY 13 | FY 14 | FY 15 |
| 4 | West of McNary Reinforcements - Group I (WOMR I) | 1,713 | - | - | 69 | - | - | 1,627 | - | - | 17 | - | - |
| 5 | West of Joh Day Path RAS Addition | - | 381 | - | - | - | - | - | - | - | - | 381 | - |
| 6 | Olympic Peninsula Reinforcement | | | | | | | | | | | | |
| 7 | North of Fairmont Back-Tripping Safety Net Scheme - PAR TFY110104 | - | 725 | - | - | 725 | - | - | - | - | - | - | - |
| 8 | West of Cascades North Reinforcement | | | | | | | | | | | | |
| 9 | Monroe 500 kV Shunt Capacitor Addition PAR TFY120018 | - | 9,197 | - | - | 9,197 | - | - | - | - | - | - | - |
| 10 | Portland/Vancouver Reinforcement | | | | | | | | | | | | |
| 11 | Ostrander Line Swap - PAR TFY100111 | 2 | - | - | - | - | - | 2 | - | - | - | - | - |
| 12 | Forest Grove Loop Into Keeler - TFY100132 | 159 | - | - | 143 | - | - | 16 | - | - | - | - | - |
| 13 | Pearl Sub 500KV Bay No 6 Addition - PAR TFY100141 | 1,457 | - | - | 1,457 | - | - | - | - | - | - | - | - |
| 14 | Ostrander 500 kV Breaker Addition- PAR TFY130014 | - | 1,321 | - | - | 1,321 | - | - | - | - | - | - | - |
| 15 | Keeler 230 kV Bus Sectionalizing Breaker Addition - PAR TFY110073 | - | 2,411 | - | - | 2,411 | - | - | - | - | - | - | - |
| 16 | Big Eddy Knight - West of McNary Reinforcements - Group II (WOMR II) | - | - | 58,153 | - | - | 5,815 | - | - | 46,522 | - | - | 5,815 |
| 17 | Central Oregon Reinforcement | | | | | | | | | | | | |
| 18 | L0331,L0332,L0335 Ponderosa New 230/115 Substation | - | 19,238 | - | - | 19,238 | - | - | - | - | - | - | - |
| 19 | Ponderosa 500/230 kV Transformer Addition | - | 4,546 | - | - | 4,546 | - | - | - | - | - | - | - |
| 20 | LAPINE 115KV SHUNT CAP ADDITION - TFY090213 | - | 862 | - | - | 862 | - | - | - | - | - | - | - |
| 21 | LAPINE 230 KV SHUNT REACTOR ADDITION | - | 1,796 | - | - | 1,796 | - | - | - | - | - | - | - |
| 22 | Salem/Albany/Euguen Area Reinforcement | | | | | | | | | | | | |
| 23 | Alvey 500 kV Shunt Reactor Addition - PAR TFY100145 | - | 6,768 | - | - | - | - | 6,768 | - | - | - | - | - |
| 24 | Central Ferry Lower Monumental (Little Goose Area Reinforcement) | - | - | 72,417 | - | - | 7,242 | - | - | 57,933 | - | - | 7,242 |
| 25 | Ashe Sub New Bay - PAR TFY110201 | 3,309 | - | - | 3,309 | - | - | - | - | - | - | - | - |
| 26 | Tri-Cities Area Reinforcement | | | | | | | | | | | | |
| 27 | White Bluffs Sub Bus SCTLZG BR PAR TFY090164 | 146 | - | - | 146 | - | - | - | - | - | - | - | - |
| 28 | White Bluffs 115 kV shunt Capacitor Additions - PAR TFY120024 | - | 1,381 | - | - | 1,381 | - | - | - | - | - | - | - |
| 29 | Franklin 115 kV Shunt Capacitor Addition - PAR TFY110037 | - | 2,848 | - | - | 2,848 | - | - | - | - | - | - | - |
| 30 | McNary 230 kV Shunt Capacitors - PAR TFY120109 | - | - | 5,663 | - | - | 5,663 | - | - | - | - | - | - |
| 31 | Red Mountain - Grandview L-RAS TFY140407 PAR TS0140006 | - | - | 200 | - | - | - | - | - | - | - | - | 200 |
| 32 | Midway-Grandview 115kV Line Rebuild PAR TS0140069 | - | - | 1,881 | - | - | - | - | - | 1,881 | - | - | - |
| 33 | Tucannon 115 kV Shunt Capacitor Addition - PAR TFY120069 | - | 2,038 | - | - | 2,038 | - | - | - | - | - | - | - |
| 34 | L0329 Richland's new 115kV Dallas Road Substation - TFY140418 | - | - | 1,500 | - | - | 1,500 | - | - | - | - | - | - |
| 35 | Paul Substation Shunt Reactor Addition TFY140625 | - | - | 7,446 | - | - | 7,446 | - | - | - | - | - | - |
| 36 | NERC Criteria Compliance | - | - | - | - | - | - | - | - | - | - | - | - |
| 37 | Longview Area Reinforcement | | | | | | | | | | | | |
| 38 | Longview Sub 115kV Bus Sect BK - PAR TFY110066 | (11) | - | - | (11) | - | - | - | - | - | - | - | - |
| 39 | Longview-Lexington 230 kV Line Re-termination - PAR TFY130009 | - | 1,121 | 699 | - | 1,009 | 629 | - | 112 | 70 | - | - | - |
| 40 | CCPUD's Washington Way Sub - PAR TFY110165 | 1 | - | - | 1 | - | - | - | - | - | - | - | - |
| 41 | Kalispell/ Flathead Valley Reinforcement | | | | | | | | | | | | |
| 42 | Columbia Falls 230 kV Bus Sectionalizing Breaker Addition - PAR TFY110048 | - | 1,679 | - | - | 1,679 | - | - | - | - | - | - | - |
| 43 | Kalispell 115 kV Additional Capacitor Banks - PAF TFY130419 | - | 3,466 | - | - | 3,466 | - | - | - | - | - | - | - |
| 44 | Southern Idaho/ Lower Valley Reinforcement | 181 | - | - | 45 | - | - | 136 | - | - | - | - | - |
| 45 | Misc Substation Work | 1,519 | 2,079 | 6,019 | 1,519 | 2,079 | 6,019 | - | - | - | - | - | - |
| 46 | SALE OF FACILITIES | 465 | 121 | 1 | 465 | 121 | 1 | - | - | - | - | - | - |
| 47 | ROGUE SVC | - | 1,760 | - | - | 1,760 | - | - | - | - | - | - | - |
| 48 | Security Enhancements | 8,802 | 17,153 | 4,100 | 8,802 | 17,153 | 4,100 | - | - | - | - | - | - |

APPENDIX B

| | A | B | C | D | E | F | G | H | I | J | K | L | M |
|----|---|----------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|---------------|---------------|----------------|
| 1 | Appendix B - Future Plant in Service | | | | | | | | | | | | |
| 2 | Project | Total | | | Substation | | | Line | | | General Plant | | |
| 3 | | FY 13 | FY 14 | FY 15 | FY 13 | FY 14 | FY 15 | FY 13 | FY 14 | FY 15 | FY 13 | FY 14 | FY 15 |
| 49 | IT Projects | 2,708 | 2,775 | 2,843 | - | - | - | - | - | - | 2,708 | 2,775 | 2,843 |
| 50 | Misc Upgrades * Additions | 5,268 | 7,149 | 5,420 | 5,268 | 7,149 | 5,420 | - | - | - | - | - | - |
| 51 | Celilo Upgrades - Various | 871 | 1,234 | - | 749 | 1,062 | - | 78 | 111 | - | 44 | 62 | - |
| 52 | Control Centers | 100 | 602 | 4,458 | - | - | - | - | - | - | 100 | 602 | 4,458 |
| 53 | CC- Infrastructure Components | 1,547 | 6,668 | 989 | - | - | - | - | - | - | 1,547 | 6,668 | 989 |
| 54 | CC - System & Application | 752 | 434 | 755 | - | - | - | - | - | - | 752 | 434 | 755 |
| 55 | System Telecommunications (Fiber Optics) | 841 | 3,787 | 26,869 | - | - | - | - | - | - | 841 | 3,787 | 26,869 |
| 56 | Line Capacity & Line Switch Upgrades | 646 | 462 | 9,004 | 646 | 462 | 9,004 | - | - | - | - | - | - |
| 57 | Big Eddy Troutdale 230 kV - PAR TFY10019 | 1,809 | - | - | - | - | - | 1,809 | - | - | - | - | - |
| 58 | Access Roads - Land Acquisition & Rebuilds | 188 | 25 | 1,394 | - | - | - | - | - | - | 188 | 25 | 1,394 |
| 59 | Land Rights - Tribal Renewals | 803 | - | - | - | - | - | - | - | - | 803 | - | - |
| 60 | Land Rights - Veg Mitigation | - | 127 | 2,959 | - | - | - | - | - | - | - | 127 | 2,959 |
| 61 | Land Rights - Access Roads | 3,876 | 75 | 289 | - | - | - | - | - | - | 3,876 | 75 | 289 |
| 62 | Misc Sub Additions | 2,688 | 4,599 | 3,843 | 2,688 | 4,599 | 3,843 | - | - | - | - | - | - |
| 63 | Transformer Spare Replacement - PAR TFY090242 | - | 11,382 | - | - | 11,382 | - | - | - | - | - | - | - |
| 64 | Columbia Substation 230kV Bus Tie Breaker and Bus Sectionalizing Breaker | - | - | 3,000 | - | - | 3,000 | - | - | - | - | - | - |
| 65 | Substation Engine Generators Upgrade FY120032 and TYF130647 | - | 2,099 | - | - | 2,099 | - | - | - | - | - | - | - |
| 66 | North Bonneville 230kV sub re-terminate N Bonn - Trd #2 230kV - TFY140414 | - | - | 1,957 | - | - | 1,957 | - | - | - | - | - | - |
| 67 | Silver Creek Bus Sect and Transformer PCB Addition TFY130421 & TFY130426 | - | - | 2,816 | - | - | 2,816 | - | - | - | - | - | - |
| 68 | Bell 230 kV Substation Bus Section 1 Split | - | - | 1,732 | - | - | 1,732 | - | - | - | - | - | - |
| 69 | RAS Upgrades | - | 7,724 | 201 | - | - | - | - | - | - | - | 7,724 | 201 |
| 70 | Synchrophasor | - | - | 15,231 | - | - | - | - | - | - | - | - | 15,231 |
| 71 | Lines - Steel Hardware Replacement | 13,860 | 14,005 | 12,625 | - | - | - | 13,860 | 14,005 | 12,625 | - | - | - |
| 72 | Lines - Wood Pole Replacements | 33,736 | 42,259 | 46,094 | - | - | - | 33,736 | 42,259 | 46,094 | - | - | - |
| 73 | Spacer Damper Replacements | - | - | 18,733 | - | - | - | - | - | 18,733 | - | - | - |
| 74 | Substation Replcements | 30,546 | 25,438 | 22,070 | 30,546 | 25,438 | 22,070 | - | - | - | - | - | - |
| 75 | SUB - Capacitors (Series & Shunt) | 917 | 620 | 652 | 917 | 620 | 652 | - | - | - | - | - | - |
| 76 | SUB DC - PWR Elect - Celilo Converter Station _ PAR TFY080243 | 3,324 | 7,287 | - | 3,324 | 7,287 | - | - | - | - | - | - | - |
| 77 | SVC | - | - | 9,320 | - | - | 9,320 | - | - | - | - | - | - |
| 78 | SUB AC - Bus & Structures | 847 | 241 | 666 | - | - | - | - | - | - | 847 | 241 | 666 |
| 79 | System Protection Replacements (All SPC) | 18,359 | 25,045 | 30,001 | 18,359 | 25,045 | 30,001 | - | - | - | - | - | - |
| 80 | Power System Control Replcements (All PSC) | 14,300 | 16,874 | 20,789 | 14,300 | 16,874 | 20,789 | - | - | - | - | - | - |
| 81 | TEAP Tools | 1,374 | 1,504 | 2,000 | - | - | - | - | - | - | 1,374 | 1,504 | 2,000 |
| 82 | TEAP Equipment | 7,500 | 5,500 | 5,500 | - | - | - | - | - | - | 7,500 | 5,500 | 5,500 |
| 83 | Misc. Facilities Replacements | 27,950 | 31,690 | 25,848 | - | - | - | - | - | - | 27,950 | 31,690 | 25,848 |
| 84 | PFIA & Generator Interconnection Projects | 1,815 | 28,350 | 20,250 | 1,543 | 24,097 | 17,213 | 272 | 4,252 | 3,038 | - | - | - |
| 85 | Radio Spectrum | 1,296 | - | - | - | - | - | - | - | - | 1,296 | - | - |
| 86 | Total Environment (PP&A) | 5,384 | 5,380 | 5,393 | 5,384 | 5,380 | 5,393 | - | - | - | - | - | - |
| 87 | TSD Program Indirect | 45,619 | 46,075 | 46,996 | 22,809 | 23,037 | 23,498 | 13,686 | 13,822 | 14,099 | 9,124 | 9,215 | 9,399 |
| 88 | AFUDC | 33,400 | 37,273 | 31,229 | 16,700 | 18,637 | 15,615 | 10,020 | 11,182 | 9,369 | 6,680 | 7,455 | 6,246 |
| 89 | Corporate Overhead - Updated 5/9/12 | 50,031 | 56,426 | 57,831 | 25,015 | 28,213 | 28,915 | 15,009 | 16,928 | 17,349 | 10,006 | 11,285 | 11,566 |
| 90 | TOTALS: | 330,098 | 474,000 | 597,837 | 164,195 | 275,011 | 239,654 | 90,251 | 109,439 | 227,712 | 75,652 | 89,550 | 130,471 |

Appendix C - Historical Operation and Maintenance (O&M) Expenses

| | (A) Fiscal Years --> | (B) <u>2010</u> | (C) <u>2011</u> | (D) <u>2012</u> |
|--|---------------------------------------|--------------------|--------------------|--------------------|
| 1 Total O&M by historical fiscal year by category | | | | |
| 2 Table 1 - Total O&M assigned to facilities | | | | |
| 3 | SUBSTATION OPERATIONS | 20,238,600 | 21,286,376 | 21,946,547 |
| 4 | HEAVY MOBILE EQUIPMENT MAINT | (79,059) | 379,409 | 0 |
| 5 | JOINT COST MAINTENANCE | 96,508 | 58,410 | 145,575 |
| 6 | NON-ELECTRIC MAINTENANCE | 18,241,006 | 23,548,403 | 25,900,105 |
| 7 | POWER SYSTEM CONTROL MAINT | 11,578,547 | 11,957,956 | 12,636,964 |
| 8 | ROW MAINTENANCE | 7,965,378 | 10,386,243 | 5,243,045 |
| 9 | SUBSTATION MAINTENANCE | 23,809,402 | 25,521,841 | 28,056,157 |
| 10 | SYSTEM MAINTENANCE MANAGEMENT | 5,277,458 | 5,291,643 | 4,878,771 |
| 11 | SYSTEM PROTECTION CONTRL MAINT | 11,377,126 | 11,388,170 | 11,650,553 |
| 12 | TECHNICAL TRAINING | 2,587,595 | 2,530,457 | 2,442,809 |
| 13 | TRANSMISSION LINE MAINTENANCE | 21,075,730 | 22,921,056 | 24,983,814 |
| 14 | VEGETATION MANAGEMENT | 20,582,979 | 11,696,219 | 16,140,726 |
| 15 | ENVIRONMENTAL ANALYSIS | 47,557 | 21,372 | 9,952 |
| 16 | POLLUTION PREVENTN & ABATEMENT | 2,870,498 | 3,236,252 | 3,288,405 |
| 17 | Total (assigned) | 145,669,323 | 150,223,806 | 157,323,422 |
| 18 Table 2 - Total O&M directly identified with Ancillary Services | | | | |
| 19 | CONTROL CENTER SUPPORT | 11,088,350 | 14,753,404 | 13,645,553 |
| 20 | INFORMATION TECHNOLOGY | 5,333,553 | 6,768,154 | 9,097,766 |
| 21 | POWER SYSTEM DISPATCHING | 11,723,807 | 11,648,816 | 12,088,991 |
| 22 | TECHNICAL OPERATIONS | 4,557,317 | 4,724,968 | 3,816,151 |
| 23 | SCHED-AFTER-THE-FACT | 217,882 | 155,899 | 235,830 |
| 24 | SCHED-MANAGE SPRVISION & ADMIN | 0 | (10,948) | |
| 25 | SCHED-PRE-SCHEDULING | 187,628 | 240,302 | 216,005 |
| 26 | SCHED-REAL-TIME SCHEDULING | 3,676,976 | 3,950,070 | 3,758,396 |
| 27 | SCHED-RESERVATIONS | 2,240,902 | 3,850,292 | 4,063,568 |
| 28 | SCHED-TECHNICAL SUPPORT | 1,806,571 | 1,226,234 | 948,115 |
| 29 | Total (Ancillary Services) | 40,832,988 | 47,307,189 | 47,870,375 |
| 30 | Average over 3 fiscal years | 45,336,850 | | |
| 31 Table 3 - Total O&M identified as overhead expenses | | | | |
| 32 | AIRCRAFT SERVICES | 1,135,149 | 1,121,457 | 1,082,140 |
| 33 | EXECUTIVE & ADMIN SERVICES | 12,407,347 | 12,179,491 | 12,204,386 |
| 34 | GENERAL ADMINISTRATIVE | 5,339,338 | 10,191,414 | 13,995,343 |
| 35 | LEGAL SUPPORT - EXPENSE | 2,305,057 | 2,608,620 | 3,033,813 |
| 36 | LOGISTICS SERVICES | 4,119,706 | 3,532,420 | 4,839,405 |
| 37 | MKTG BUSINESS STRAT & ASSESS | 6,005,440 | 6,426,322 | 6,602,584 |
| 38 | MKTG CONTRACT MANAGEMENT | 3,880,283 | 4,058,129 | 4,441,589 |
| 39 | MKTG INTERNAL OPERATIONS | 0 | 1,734 | (578) |
| 40 | MKTG TRANSMISSION BILLING | 2,047,832 | 2,226,070 | 2,228,514 |
| 41 | MKTG TRANSMISSION FINANCE | 305,050 | 269,957 | 285,742 |
| 42 | MKTG TRANSMISSION SALES | 2,355,792 | 2,318,854 | 2,786,700 |
| 43 | SECURITY ENHANCEMENTS EXPENSE | 541,653 | 482,339 | 475,101 |
| 44 | Total (overhead) | 40,442,648 | 45,416,807 | 51,974,739 |
| 45 | Average over 3 fiscal years | 45,944,731 | | |
| 46 | Grand Total historical O&M | 226,944,959 | 242,947,801 | 257,168,537 |
| 47 Assignment of historical O&M to facilities | | | | |
| 48 Table 4 - O&M by historical fiscal year by category directly identified with specific facilities | | | | |
| 49 | HEAVY MOBILE EQUIPMENT MAINT | 18,879 | 2,087 | 279 |
| 50 | JOINT COST MAINTENANCE | 93,815 | 57,923 | 145,575 |
| 51 | NON-ELECTRIC MAINTENANCE | 5,072,939 | 10,672,660 | 11,079,622 |
| 52 | POWER SYSTEM CONTROL MAINT | 3,588,085 | 3,633,909 | 3,355,632 |
| 53 | SUBSTATION MAINTENANCE | 14,165,649 | 15,734,558 | 17,594,912 |
| 54 | SUBSTATION OPERATIONS | 8,619,774 | 8,641,259 | 9,200,514 |
| 55 | SYSTEM MAINTENANCE MANAGEMENT | 9,437 | 8,650 | 11,075 |
| 56 | SYSTEM PROTECTION CONTRL MAINT | 5,073,655 | 4,884,812 | 5,729,228 |
| 57 | TRANSMISSION LINE MAINTENANCE | 6,235,947 | 6,574,950 | 7,567,195 |
| 58 | POLLUTION PREVENTN & ABATEMENT | 3,203 | 728 | 1,393 |
| 59 | Total | 42,881,383 | 50,211,536 | 54,685,425 |

Appendix C - Historical Operation and Maintenance (O&M) Expenses

| (A) | (B) | (C) | (D) | |
|------------------|---|--------------------|--------------------|--------------------|
| Fiscal Years --> | <u>2010</u> | <u>2011</u> | <u>2012</u> | |
| 60 | Table 5 - O&M not directly identified with facilities (table 1 minus table 4) | | | |
| 61 | SUBSTATION OPERATIONS | 11,618,826 | 12,645,117 | 12,746,033 |
| 62 | HEAVY MOBILE EQUIPMENT MAINT | (97,938) | 377,321 | (279) |
| 63 | JOINT COST MAINTENANCE | 2,693 | 488 | 0 |
| 64 | NON-ELECTRIC MAINTENANCE | 13,168,067 | 12,875,743 | 14,820,483 |
| 65 | POWER SYSTEM CONTROL MAINT | 7,990,463 | 8,324,047 | 9,281,332 |
| 66 | ROW MAINTENANCE | 7,965,378 | 10,386,243 | 5,243,045 |
| 67 | SUBSTATION MAINTENANCE | 9,643,754 | 9,787,283 | 10,461,245 |
| 68 | SYSTEM MAINTENANCE MANAGEMENT | 5,268,020 | 5,282,993 | 4,867,696 |
| 69 | SYSTEM PROTECTION CONTRL MAINT | 6,303,470 | 6,503,358 | 5,921,325 |
| 70 | TECHNICAL TRAINING | 2,587,595 | 2,530,457 | 2,442,809 |
| 71 | TRANSMISSION LINE MAINTENANCE | 14,839,783 | 16,346,106 | 17,416,619 |
| 72 | VEGETATION MANAGEMENT | 20,582,979 | 11,696,219 | 16,140,726 |
| 73 | ENVIRONMENTAL ANALYSIS | 47,557 | 21,372 | 9,952 |
| 74 | POLLUTION PREVENTN & ABATEMENT | 2,867,295 | 3,235,524 | 3,287,011 |
| 75 | Total | 102,787,940 | 100,012,270 | 102,637,997 |
| 76 | *** Subtotal cat. with no direct facility | 31,183,508 | 24,634,290 | 23,836,532 |
| 77 | Transmission line assignment | | | |
| 78 | Table 6 - Directly identified with transmission lines | | | |
| 79 | NON-ELECTRIC MAINTENANCE | 53 | 261 | |
| 80 | SUBSTATION MAINTENANCE | 9,448 | 6,597 | 8,604 |
| 81 | SUBSTATION OPERATIONS | 4,422 | 6,694 | 2,934 |
| 82 | SYSTEM PROTECTION CONTRL MAINT | 1,079 | | |
| 83 | TRANSMISSION LINE MAINTENANCE | 6,235,947 | 6,574,950 | 7,567,195 |
| 84 | Total | 6,250,948 | 6,588,503 | 7,578,733 |
| 85 | Table 7 - Assigned to transmission lines (table 5 times ratio of table 6 over table 4) | | | |
| 86 | SUBSTATION OPERATIONS | 5,960 | 9,795 | 4,064 |
| 87 | NON-ELECTRIC MAINTENANCE | 137 | 315 | 0 |
| 88 | SUBSTATION MAINTENANCE | 6,432 | 4,104 | 5,116 |
| 89 | SYSTEM PROTECTION CONTRL MAINT | 1,341 | 0 | 0 |
| 90 | TRANSMISSION LINE MAINTENANCE | 14,839,783 | 16,346,106 | 17,416,619 |
| 91 | Total | 14,853,654 | 16,360,320 | 17,425,799 |
| 92 | allocation of O&M with no direct facility identification | | | |
| 93 | (line 76 times line 84 over line 59) | 4,545,714 | 3,232,386 | 3,303,453 |
| 94 | Subtotal transmission line assignment | 25,650,316 | 26,181,209 | 28,307,985 |
| 95 | Line multiplier (line 94 over line 84) | 4.103 | 3.974 | 3.735 |
| 96 | Substation assignment | | | |
| 97 | Table 8 - Directly identified with substations | | | |
| 98 | HEAVY MOBILE EQUIPMENT MAINT | 18,879 | 2,087 | 279 |
| 99 | JOINT COST MAINTENANCE | 93,815 | 57,923 | 145,575 |
| 100 | NON-ELECTRIC MAINTENANCE | 5,041,909 | 10,650,687 | 11,065,984 |
| 101 | POWER SYSTEM CONTROL MAINT | 3,551,366 | 3,599,813 | 3,327,946 |
| 102 | SUBSTATION MAINTENANCE | 14,115,376 | 15,615,436 | 17,545,026 |
| 103 | SUBSTATION OPERATIONS | 8,585,257 | 8,592,875 | 9,159,462 |
| 104 | SYSTEM MAINTENANCE MANAGEMENT | 9,437 | 8,650 | 11,075 |
| 105 | SYSTEM PROTECTION CONTRL MAINT | 4,936,318 | 4,742,600 | 5,612,365 |
| 106 | POLLUTION PREVENTN & ABATEMENT | 3,203 | 728 | 1,393 |
| 107 | Total | 36,355,560 | 43,270,800 | 46,869,106 |
| 108 | Table 9 - Assigned to substations (table 5 times ratio of table 8 over table 4) | | | |
| 109 | HEAVY MOBILE EQUIPMENT MAINT | (97,938) | 377,321 | (279) |
| 110 | JOINT COST MAINTENANCE | 2,693 | 488 | 0 |
| 111 | NON-ELECTRIC MAINTENANCE | 13,087,520 | 12,849,235 | 14,802,242 |
| 112 | POLLUTION PREVENTN & ABATEMENT | 2,867,295 | 3,235,524 | 3,287,011 |
| 113 | POWER SYSTEM CONTROL MAINT | 7,908,692 | 8,245,944 | 9,204,755 |
| 114 | SUBSTATION MAINTENANCE | 9,609,529 | 9,713,186 | 10,431,585 |
| 115 | SUBSTATION OPERATIONS | 11,572,298 | 12,574,315 | 12,689,161 |
| 116 | SYSTEM MAINTENANCE MANAGEMENT | 5,268,020 | 5,282,993 | 4,867,696 |
| 117 | SYSTEM PROTECTION CONTRL MAINT | 6,132,844 | 6,314,026 | 5,800,544 |
| 118 | Total | 56,350,953 | 58,593,031 | 61,082,715 |

Appendix C - Historical Operation and Maintenance (O&M) Expenses

| (A) | (B) | (C) | (D) |
|--|--------------------|--------------------|--------------------|
| Fiscal Years --> | <u>2010</u> | <u>2011</u> | <u>2012</u> |
| 119 allocation of O&M with no direct facility identification | | | |
| 120 (line 76 times line 107 over line 59) | 26,437,904 | 21,229,095 | 20,429,519 |
| 121 Subtotal substation assignment | <u>119,144,417</u> | <u>123,092,926</u> | <u>128,381,340</u> |
| 122 Substation multiplier (line 121 over line 107) | 3.277 | 2.845 | 2.739 |
| 123 Metering station assignment | | | |
| 124 Table 10 - Directly identified with metering stations | | | |
| 125 NON-ELECTRIC MAINTENANCE | 30,977 | 21,711 | 13,637 |
| 126 POWER SYSTEM CONTROL MAINT | 36,719 | 34,096 | 27,686 |
| 127 SUBSTATION MAINTENANCE | 40,825 | 112,524 | 41,281 |
| 128 SUBSTATION OPERATIONS | 30,096 | 41,690 | 38,118 |
| 129 SYSTEM PROTECTION CONTRL MAINT | 136,258 | 142,212 | 116,863 |
| 130 Total | 274,875 | 352,233 | 237,586 |
| 131 Table 11 - Assigned to metering stations (table 5 times ratio of table 10 over table 4) | | | |
| 132 SUBSTATION OPERATIONS | 40,567 | 61,007 | 52,808 |
| 133 NON-ELECTRIC MAINTENANCE | 80,409 | 26,193 | 18,241 |
| 134 POWER SYSTEM CONTROL MAINT | 81,771 | 78,103 | 76,577 |
| 135 SUBSTATION MAINTENANCE | 27,793 | 69,993 | 24,544 |
| 136 SYSTEM PROTECTION CONTRL MAINT | 169,286 | 189,332 | 120,781 |
| 137 Total | 399,826 | 424,628 | 292,951 |
| 138 allocation of O&M with no direct facility identification | | | |
| 139 (line 76 times line 130 over line 59) | 199,890 | 172,809 | 103,560 |
| 140 Subtotal metering station assignment | <u>874,590</u> | <u>949,670</u> | <u>634,097</u> |
| 141 Metering multiplier (line 140 over line 130) | 3.182 | 2.696 | 2.669 |

