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COMPANY NAME: PacifiCorp

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List Key Words for this report. We use these to improve search results.

Compliance Filing - Annual Reliability Report for Calendar Year 2021

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825 NE Multnomah, Suite 2000
Portland, Oregon 97232

May 2, 2022

VIA ELECTRONIC FILING

Public Utility Commission of Oregon
Attn: Filing Center
201 High Street SE, Suite 100
Salem, OR 97301-3398

Re: RE 171—Annual Reliability Report for Calendar Year 2021

PacifiCorp d/b/a Pacific Power submits for filing its Annual Reliability Report for calendar year 2021. This filing is made in compliance with Oregon Administrative Rule 860-023-0151.

Please direct any questions on this report to Jennifer Angell, Regulatory Project Manager, at (503) 331-4414.

Sincerely,

Shelley McCoy
Director, Regulation

Enclosure



**Pacific Power's
Annual Report:**

**Oregon Administrative Rules
860-023, 024 and 028**

Calendar Year 2021 Review
(January 1 – December 31, 2021)

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RELIABILITY

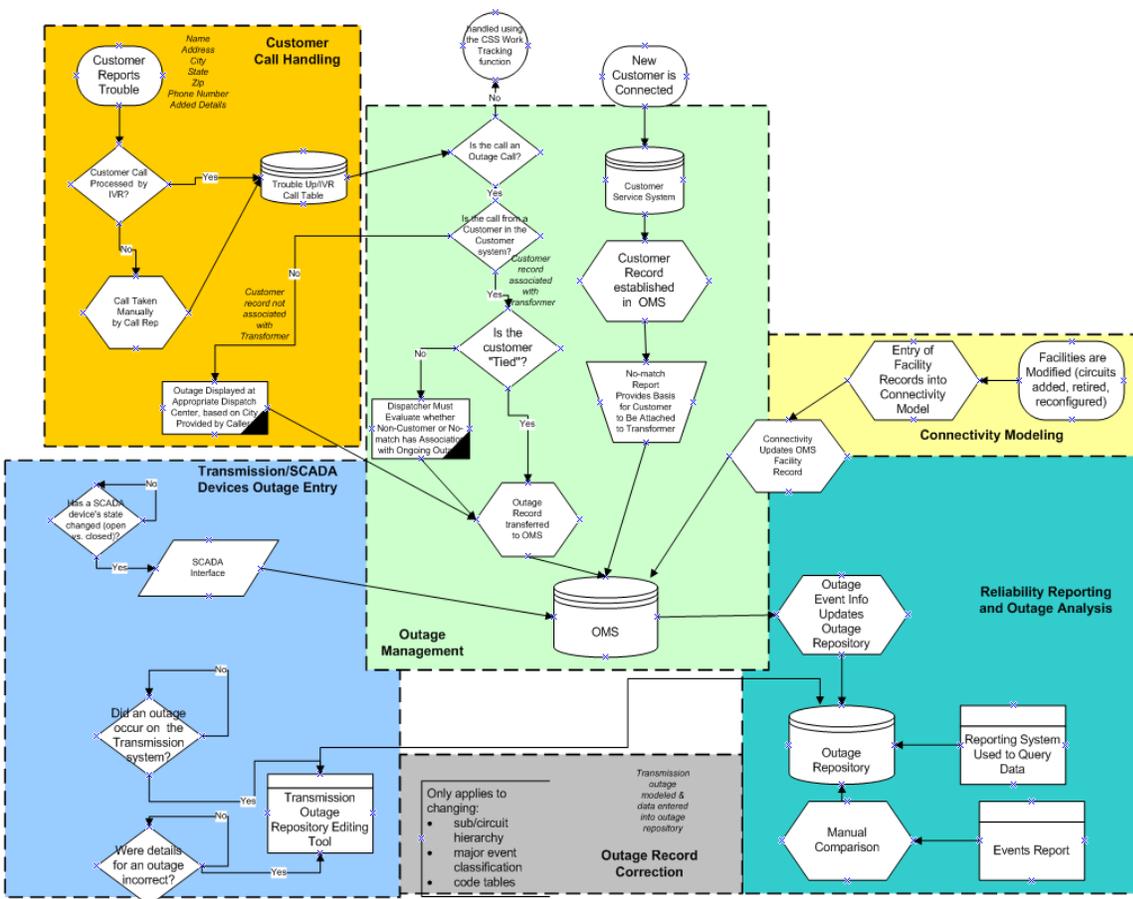
Introduction and Reliability Discussion

This year's reliability report includes a brief overview of Pacific Power's programs and initiatives to evaluate and enhance reliability. This report is consistent with Oregon Administration Rules (OARs) 860-023, 024 and 028.

Monitoring, Recording, and Reporting Reliability

How Pacific Power Monitors Reliability

Pacific Power operates automated outage management and reporting systems; a diagram of the data flow process is shown below. Customer trouble calls and SCADA events are interfaced with the Company's real-time network connectivity model, its CADOPS system (Computer Aided Distribution Operations System). By overlaying these events onto the network model, the program infers outages at the appropriate devices (such as a transformer, fuse or other interrupting device) for all customers down line of the interrupting device. The outage is then routed to appropriate field operations staff for restoration and the outage event is recorded in the Company's Prosper/US outage repository. In addition to this real-time model of the system's electrical flow, the Company relies heavily upon the SCADA system it has in place. This includes the Dispatch Log System (an SQL database application) which serves to collect all events on SCADA-operable circuits. That data is then analyzed for momentary interruptions to establish state-level and circuit-level momentary interruption indices, per agreement with the Public Utility Commission of Oregon (OPUC) Staff. The Company has completed its implementation of an advanced metering infrastructure (AMI) system, which adds one more way in which the Company becomes aware of outages; this has resulted in methods used to weed out false positives, which continue to evolve, however, the Company hasn't identified substantial impacts with regard to "metric uplift" (that could result in an inability to compare legacy metric levels against future performance levels) but recognizes that such might be recognized in the future. The Company is also reviewing whether AMI data can replace momentary interruption reporting data, however its development of these analytics is still underway. In addition, the Company is midway through a transmission outage reporting system, which will also target modifications in momentary outage reporting, which may require the Company to restate history of these outage metrics. As reported previously, the Company has implemented a new transmission outage reporting system, enhanced its automated processing of SCADA-based information and is building new functionality in interfacing this information into its outage reporting system, which is currently in process and the effects of which will be better quantified in next year's report.



Reliability Reporting: Interpreting Indices and Metrics

Raw reliability data comes in the form of outage start and stop times, numbers of customers interrupted and outage cause codes. Out of these are derived an array of indices and acronyms that attempt to reduce complex data to a handful of numbers. This section briefly describes the metrics used by Pacific Power for reliability measurements.

SAIDI, SAIFI, CAIDI and MAIFI_e are the most common indicators or indices used by utilities across the nation for measuring and reporting reliability. Along with other indices, they were first rigorously documented in Institute of Electrical and Electronics Engineers (IEEE) Standard 1366-1998, and since modified in IEEE 1366-2003/2012, IEEE Guide for Electric Power Distribution Reliability Indices. This standard for reporting reliability performance was adopted in OAR 860-023 and reports provided thereafter have adhered to this standard.

For performance reporting as contained within this document,¹ Pacific Power uses the current standard indices, applied at the state level as well as to its defined reliability reporting regions. In years preceding 2012 the major events excluded from performance during the period were determined using the historic “10% of operating area customers” method, not the IEEE 1366 “2.5 beta” T_{Med} method applied to these reliability reporting regions. Therefore, year-on-year comparisons need to be made carefully.

Regional reliability reporting areas were established by using statistical tools to determine the granular level at which performance complied with assumptions underlying the development of the major event thresholds

¹ State administrative rules regarding service reliability were modified during 2011, which has resulted in significant modifications to this section of the report.

adopted within the standard. For the Customer Guarantee element of the Performance Standards Program, exceptions to the guarantees may also be determined based on data at a state level.

In order to devise circuit-level performance measures, Pacific Power performed research into which metrics are appropriate for ranking reliability investments in order to better serve the needs of customers. The need to reliably serve the areas with the greatest numbers of customers must be balanced against the need to maintain focus on service levels where there are fewer customers. To do this, Pacific Power implemented in 1999 a balanced set of circuit performance indices (known as CPI⁹⁹) and methods that improve on those documented in IEEE 1366. Circuit performance is reviewed at least annually against these various metrics to determine the selection of circuits to be addressed within the Company's Worst-Performing Feeders Program; as time has elapsed and tools have evolved the Company has focused its analysis at a lower level than circuit, i.e., sub-circuit selection may have been chosen as the optimal improvement activity. Mining of this data allows the Company to optimize cost against reliability metric improvements.

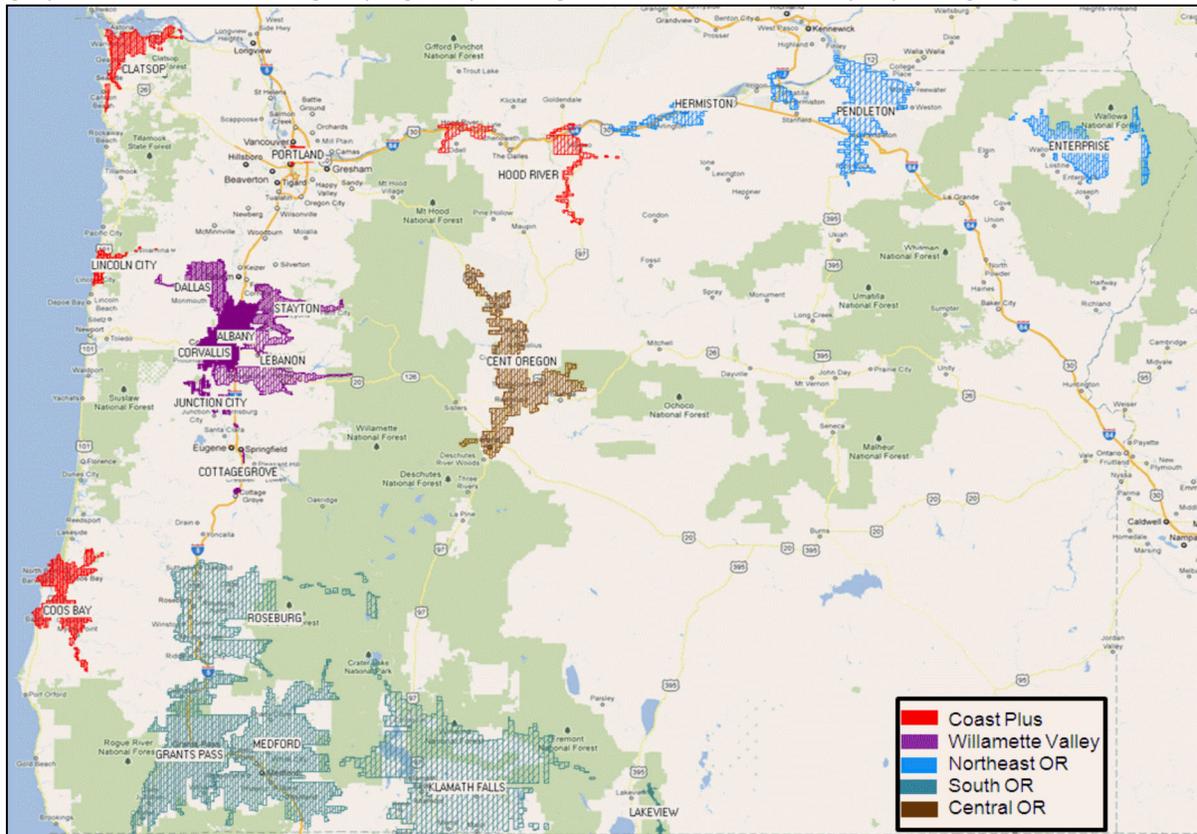
Reliability Tools: Improving Indices and Metrics

Pacific Power uses the reliability data in a variety of ways that are designed to improve reliability to its customers. It has devised methods that are contained in the recently-adopted industry guide for electric reliability, IEEE 1782-2014.² Some of these analytical methods render the outage data in a tabular, graphical and geospatial manner. All of them serve as input to developing projects that improve reliability, including the Company's fuse coordination program, Fuse It or Lose It (FIOLI), its circuit hardening program, Saving SAIDI, and its capital construction program, Network Initiatives. These programs are evaluated for their forecast improvements to network reliability, as measured by the avoidance of customer interruptions, customer minutes interrupted and momentary customer interruptions. Each project is assigned a value for reduced interruptions along with the cost for that project, and based upon the best cost projects, selected to align with budget and resource capacity targets. Other tools the Company has created to deliver better reliability to customers include web-based notifications when interrupting devices (such as circuit breakers, reclosers or fuses) have experienced more operations within a given time period than expected. This enables field engineering and operations management team members to promptly evaluate means to modify performance in that area of the system. These ad-hoc activities augment the Company's reliability planning process (which is conducted annually with interim updates); review of historic reliability performance demonstrates the process' efficacy. Annually the Company identifies five circuits that are designated as "underperforming circuits" against which the Company reports blended reliability metrics (SAIDI, SAIFI, MAIFI and breaker lockouts) to highlight performance changes for that family of circuits over the next five years; these circuits are reported later in this section.

² IEEE-1782 (PE/T&D) Guide for Collecting, Categorizing and Utilization of Information Related to Electric Power Distribution Interruption Events was approved on March 27, 2014 and contains many of the approaches used by Pacific Power to evaluate system reliability and determine areas where improvements should be deployed.

Reliability Reporting Regions Map

The graphic below shows the grouping of operating areas into five reliability reporting regions.



Elevated Fire Risk

As part of the Company’s wildfire mitigation programs, the Company may use protection coordination settings, referred to as “Elevated Fire Risk” (EFR) settings, that more substantially affected distribution system performance than standard settings. In 2021, the Company developed a method to estimate the reliability impacts of the device setting changes. EFR settings are generally applied when fire weather conditions, such as high winds, low fuel moisture, high temperature, low relative humidity and volatile fuels, are greatest. When EFR settings are used, certain operational responses may also differ, which may result in more sustained outage events and longer outage duration. The underlying metrics reported are reduced by the quantities shown below.

| 2021 Region | Elevated Fire Risk During Non-Major Event | | | | Elevated Fire Risk During a Major Event | | | |
|-------------------|---|---------------|-------------|-------------|---|--------------|-------------|-------------|
| | CML | CI | State SAIDI | State SAIFI | CML | CI | Sate SAIDI | State SAIFI |
| Central OR | 686,737 | 3,839 | 1.10 | 0.01 | 505,960 | 2,880 | 0.81 | 0.00 |
| Coast Plus | 253,415 | 3,557 | 0.41 | 0.01 | - | - | - | - |
| Northeast OR | - | - | - | - | - | - | - | - |
| South OR | 1,886,201 | 10,042 | 3.03 | 0.02 | - | - | - | - |
| Willamette Valley | 1,650 | 7 | 0.00 | 0.00 | 227,627 | 725 | 0.37 | 0.00 |
| Oregon | 2,828,003 | 17,445 | 4.54 | 0.03 | 733,587 | 3,605 | 1.18 | 0.01 |

Major Event Thresholds

Effective CY2012, the administrative rules were modified to replace the 10% of operating area customers methodology with IEEE P1366 “2.5 beta” or T_{Med} methodology for determining major events. For Pacific Power’s service territory in Oregon, all operating areas were grouped into five reliability reporting regions and each reliability region’s threshold determined according to IEEE 1366-2003/2012. The tables below depict the composition of each region and its threshold as used during 2021 and for application during 2022. Since certain major events may be filed as a statewide event, the state threshold and history is also supplied.

| 2021 Major Event Threshold | | | |
|----------------------------|-----------------|------------------|---|
| Reliability Region | T_{Med} SAIDI | T_{Med} CMI | Operating Areas within Region |
| Central OR | 5.80 | 507,120 | Bend/Redmond, Madras |
| Coast Plus | 12.75 | 2,025,865 | Clatsop/Astoria, Coos Bay/Coquille, Hood River, Lincoln City, Portland |
| Northeast OR | 11.43 | 294,942 | Enterprise, Hermiston, Milton-Freewater, Pendleton, Walla Walla |
| South OR | 14.51 | 3,275,975 | Grants Pass, Klamath Falls, Lakeview, Medford, Roseburg/Myrtle Creek |
| Willamette Valley | 16.47 | 2,066,210 | Albany, Corvallis, Cottage Grove/J. City, Dallas/Independence, Lebanon, Stayton |
| Oregon | 7.02 | 4,375,795 | |

| 2022 Major Event Threshold | | | |
|----------------------------|-----------------|------------------|---|
| Reliability Region | T_{Med} SAIDI | T_{Med} CMI | Operating Areas within Region |
| Central OR | 6.46 | 572,474 | Bend/Redmond, Madras |
| Coast Plus | 13.06 | | Clatsop/Astoria, Coos Bay/Coquille, Hood River, Lincoln City, Portland |
| Northeast OR | 11.62 | 301,824 | Enterprise, Hermiston, Milton-Freewater, Pendleton, Walla Walla |
| South OR | 14.34 | | Grants Pass, Klamath Falls, Lakeview, Medford, Roseburg/Myrtle Creek |
| Willamette Valley | 16.82 | | Albany, Corvallis, Cottage Grove/J. City, Dallas/Independence, Lebanon, Stayton |
| Oregon | 7.28 | 4,579,826 | |

The following table is a 5-year view of each region’s T_{Med} values.

| Calendar Year | 2022 | | 2021 | | 2020 | | 2019 | | 2018 | |
|-------------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|
| Region | CMI | SAIDI |
| Central OR | 572,474 | 6.46 | 507,120 | 5.80 | 482,924 | 5.71 | 484,821 | 5.72 | 469,072 | 5.71 |
| Coast Plus | 2,096,769 | 13.06 | 2,025,865 | 12.75 | 1,965,286 | 12.50 | 1,860,107 | 11.91 | 1,722,410 | 11.20 |
| Northeast OR | 301,824 | 11.62 | 294,942 | 11.43 | 305,107 | 11.94 | 334,025 | 13.22 | 321,673 | 12.90 |
| South OR | 3,262,656 | 14.34 | 3,275,975 | 14.51 | 3,354,813 | 14.83 | 2,975,868 | 13.10 | 2,914,386 | 12.98 |
| Willamette Valley | 2,126,430 | 16.82 | 2,066,210 | 16.47 | 2,156,406 | 17.42 | 2,336,645 | 18.81 | 2,411,644 | 19.74 |
| Oregon | 4,579,826 | 7.28 | 4,375,795 | 7.02 | 4,480,143 | 7.26 | 4,379,315 | 7.09 | 4,501,730 | 7.41 |

Major Events Excluded Report

Pacific Power filed written documentation for five Major Events in 2021 that were excluded from underlying reliability performance results. They are summarized in the table below.

| Oregon 2021 Major Events - Written Filings | | | | | | | | | |
|--|----------------------------|--------------------|----------------|----------------------|-------------|--------------|---------------|--------------|--------------|
| Event Date | Description | CML | CI | OPUC Report Required | Region TMED | Region SAIDI | Oregon SAIDI | Oregon SAIFI | Oregon CAIDI |
| February 8, 2021 | Northeast - Loss of supply | 473,609 | 1,407 | Yes | 18.36 | 0.055 | 0.76 | 0.002 | 337 |
| February 11-20, 2021 | Oregon - Winter Storm | 164,844,699 | 142,196 | Yes | - | - | 264.42 | 0.228 | 1159 |
| March 28-29, 2021 | Oregon - Wind Storm | 6,828,952 | 14,903 | Yes | - | - | 10.95 | 0.024 | 458 |
| December 25-29, 2021 | Oregon - Winter Storm | 11,134,281 | 30,152 | Yes | - | - | 17.86 | 0.048 | 369 |
| TOTAL Oregon Major Events Filed | | 183,281,541 | 188,658 | | | | 294.00 | 0.303 | 972 |

In addition, the Company excluded six events where CAIDI was less than five hours (300 CAIDI minutes), for which no filing is required according to the OARs.

| Oregon 2021 Major Events - Low CAIDI (<300) No Filings | | | | | | | | | |
|--|--|-------------------|----------------|----------------------|-------------|--------------|--------------|--------------|--------------|
| Event Date | Description | CML | CI | OPUC Report Required | Region TMED | Region SAIDI | Oregon SAIDI | Oregon SAIFI | Oregon CAIDI |
| January 12-15, 2021 | Oregon - Wind Storm | 14,760,626 | 55,085 | No | - | - | 23.68 | 0.09 | 268 |
| January 26-28, 2021 | Oregon - Wind Storm | 6,651,680 | 126,705 | No | - | - | 10.67 | 0.20 | 52 |
| June 27-29, 2021 | Oregon - Loss of Substation | 5,645,388 | 53,325 | No | - | - | 9.06 | 0.09 | 106 |
| July 5, 2021 | Central - Loss of Substation | 650,051 | 4,930 | No | 7.44 | 0.06 | 1.04 | 0.01 | 132 |
| July 25, 2021 | Central - Car Hit Pole | 559,835 | 2,549 | No | 6.40 | 0.03 | 0.90 | 0.00 | 220 |
| July 29, 2021 | Central - Loss of Transmission line/area Lightning | 666,571 | 12,530 | No | 7.62 | 0.14 | 1.07 | 0.02 | 53 |
| October 24, 2021 | CoastPlus - Loss of Supply/Transmission and Trees | 2,121,180 | 24,021 | No | 13.35 | 0.15 | 3.40 | 0.04 | 88 |
| December 11, 2021 | CoastPlus - Wind storm and Trees | 2,015,630 | 10,300 | No | 12.68 | 0.06 | 3.23 | 0.02 | 196 |
| TOTAL Major Events with low CAIDI | | 33,070,962 | 289,445 | | | | 53.05 | 0.46 | 114 |

Total Performance Summary

| Oregon 2021 Major Events - Summary | CML | CI | OPUC Report Required | Oregon SAIDI | Oregon SAIFI | Oregon CAIDI |
|---|--------------------|------------------|----------------------|---------------|--------------|--------------|
| Oregon Total Performance - <u>Includes</u> Major Event | 285,558,197 | 1,073,394 | | 458.06 | 1.72 | 266 |
| Total Oregon Major Events Filed | 183,281,541 | 188,658 | Yes | 294.00 | 0.30 | 972 |
| Total Major Events with low CAIDI (no filling required) | 33,070,962 | 289,445 | No | 53.05 | 0.46 | 114 |
| TOTAL MAJOR EVENTS EXCLUDED | 216,352,503 | 478,103 | - | 347.05 | 0.77 | 453 |
| Oregon Elevated Fire Risk - Included in Major Event ³ | 733,587 | 3,605 | - | 1.18 | 0.01 | 203 |
| Oregon Elevated Fire Risk - Excluded in Major Event | 2,828,003 | 17,445 | - | 4.54 | 0.03 | 162 |
| Oregon Underlying Events - <u>Excludes</u> Major Event | 66,377,691 | 577,846 | - | 106.47 | 0.93 | 115 |

³ Numbers are included in the total for the Major Events Excluded, and therefor already removed from the underlying metrics, with the subtraction of major events.

Targeted Reliability

The Company annually establishes a list of targeted reliability projects for which it calculates cost per forecast reliability improvements, expressed as mitigation costs factored by avoided customer minutes interrupted or \$/cmi. These projects often involve fuse coordination, circuit hardening (including animal, vehicle and vegetation management efforts) and reconductoring. The current roster of projects intended to be constructed during 2022 are shown below.

| District | Circuit ID# | Program Type | Year Initiated | Expected Completion | Project Notes |
|---------------|-------------|-------------------|----------------|---------------------|---|
| Albany | 4M268 | Emergent | 2021 | 2021 | Install interest pole to reduce phase-to-phase contact |
| | 4M16 | DRIP | 2021 | 2021 | Install animal guarding, replace porcelain cutouts, fuse zones one and two, install new recloser in zone one. |
| | 4M63 | FIOLI | 2022 | 2022 | Recloser installation and fuse coordination. |
| | 4M204 | FIOLI | 2022 | 2022 | Recloser installation and fuse coordination. |
| | 4M19 | FIOLI | 2022 | 2022 | Recloser installation and fuse coordination. |
| Astoria | 5A83 | FIOLI | 2021 | 2021 | Identify and replace failing splices, install new fuses in zones one and two, fuse all taps in zone one. |
| | 5A10 | FIOLI | 2021 | 2021 | Replace porcelain cutouts in zones one and two, fuse all unfused taps, install recloser, install two sets of fault indicators. |
| Bend | 5D184 | FIOLI | 2021 | 2021 | Review fuse coordination, shrink zone one to the extent possible, remove any danger trees or limbs in zone one. Confirm installation of fault indicators outside of substation. |
| | 5D229 | FIOLI | 2022 | 2022 | Fuse zone one. Replace porcelain cutouts end aged crossarms |
| | 5D223 | FIOLI | 2022 | 2022 | Recloser installation and fuse coordination. |
| | 5D22 | FIOLI | 2022 | 2022 | Recloser installation and fuse coordination. |
| Coos Bay | 4C41 | FIOLI | 2022 | 2022 | Replace recloser |
| | 4C42 | FIOLI | 2022 | 2022 | Replace recloser |
| Crescent City | 5R151 | Circuit Hardening | 2022 | 2022 | IR scan of existing splices to identify any needing replacement. |
| | 5R152 | Circuit Hardening | 2022 | 2022 | IR scan of existing splices to identify any needing replacement. |
| | 5R152 | EFI | 2022 | 2022 | Installation of fault indicators |
| | 5R167 | EFI | 2022 | 2022 | Installation of fault indicators |
| | 5R370 | FIOLI | 2022 | 2022 | Fuse zone one. Installation of fault indicators |
| | 5R96 | FIOLI | 2022 | 2022 | Fuse zone one. Installation of fault indicators |
| | 5R171 | FIOLI | 2022 | 2022 | Fuse zone one. Installation of fault indicators |
| Dallas | 4M22 | FIOLI | 2021 | 2021 | Add two reclosers to break up zone two. Fuse all zone one taps. Install visibility strips where needed to reduce vehicle related outages. |
| Grants Pass | 5R114 | FIOLI | 2021 | 2021 | Install recloser, install gang switch to create tie point between 5R114 and 5R115, install animal guarding where needed. |
| | 5R133 | EFI | 2022 | 2022 | Installation of fault indicators |
| | 5R106 | EFI | 2022 | 2022 | Installation of fault indicators |
| | 5R52 | EFI | 2022 | 2022 | Installation of fault indicators |
| | 5R65 | EFI | 2022 | 2022 | Installation of fault indicators |

| District | Circuit ID# | Program Type | Year Initiated | Expected Completion | Project Notes |
|---------------|-------------|------------------|----------------|---------------------|--|
| Hermiston | 5W602 | FIOLI | 2021 | 2021 | Install recloser and three fuse savers. Replace old copper conductor where needed. Update fuse coordination. |
| | 4K46 | FIOLI | 2021 | 2021 | Install fuse savers and fault indicators. |
| Hood River | 5K44 | Saving SAIDI | 2022 | 2022 | Installation of two reclosers which can be utilized as switches |
| Klamath Falls | 5L14 | FIOLI | 2021 | 2021 | Recloser replacement. |
| | 4L16 | FIOLI | 2021 | 2021 | Recloser replacement. |
| | 5L55 | FIOLI | 2021 | 2021 | Recloser replacement. |
| | 5L105 | FIOLI | 2021 | 2021 | Recloser replacement. |
| | 5L116 | FIOLI | 2021 | 2021 | Fuse all zone one taps. Replace three trip savers with fuse savers. |
| | 5L19 | FIOLI | 2022 | 2022 | Fuse zone one. Installation of fault indicators |
| Lincoln City | 5L63 | FIOLI | 2022 | 2022 | Fuse zone one. Install visibility strips where needed |
| | 4A338 | FIOLI | 2022 | 2022 | Recloser installation and fuse coordination. |
| Madras | 4A312 | FIOLI | 2022 | 2022 | Inspection of auto-splices in field and identify candidates for replacement. Fuse zone two. |
| | 5D53 | DRIP | 2021 | 2021 | Install new fuses to reduce exposure, replace all porcelain cutouts, reconductor line segments where needed. |
| Medford | 5R55 | FIOLI | 2022 | 2022 | Fuse all zones |
| | 5R68 | FIOLI | 2022 | 2022 | Fuse all zones |
| Pendleton | 5W202 | FIOLI | 2022 | 2022 | Fuse all zones |
| | 5W201 | FIOLI | 2022 | 2022 | Fuse all zones |
| | 5W402 | FIOLI | 2022 | 2022 | Fuse all zones |
| | 5W406 | PFM T1 | 2022 | 2022 | Replace all porcelain cutouts. Add fusing where needed |
| Portland | 5P209 | DRIP | 2021 | 2021 | Fuse all zone one taps. Replace approximately 750 feet of #8 copper conductor. |
| | 5P292 | DRIP | 2021 | 2021 | Install reclosers. Replace relays at Cully Substation. |
| | 5P393 | FIOLI | 2022 | 2022 | Fuse zone one. Replace porcelain cutouts and aged crossarms |
| Roseburg | 4U5 | EFI | 2022 | 2022 | Fuse zone one. Installation of fault indicators |
| | 5U32 | FIOLI | 2022 | 2022 | Install new open point North of Carnes substation. Fuse all zone one taps |
| Walla Walla | 5W106 | FIOLI | 2021 | 2021 | Install recloser. Possible recloser replacement. |
| | 4W22 | FIOLI | 2022 | 2022 | Fuse all zones |
| Yakima | 5Y441 | Fault Indication | 2022 | 2022 | Installation of fault indicators |
| | 5Y382 | FIOLI | 2022 | 2022 | Reduce zone one exposure. Installation of recloser |
| | 5Y434 | FIOLI | 2022 | 2022 | Reduce zone one exposure. Installation of recloser |
| | 5Y243 | FIOLI | 2022 | 2022 | Harden zone one. Review zone two for potential fuse installations |
| | 5Y352 | FIOLI | 2022 | 2022 | Harden zone one. Review zone two for potential fuse installations |
| | 5Y203 | FIOLI | 2022 | 2022 | Harden zone one. Review zone two for potential fuse installations |

| District | Circuit ID# | Program Type | Year Initiated | Expected Completion | Project Notes |
|----------|-------------|-------------------|----------------|---------------------|---|
| Yreka | 5G2 | DRIP | 2021 | 2021 | Fuse all zone one taps, replace all porcelain cutouts. Review zone two for potential hardening. |
| | 5G63 | FIOLI | 2021 | 2021 | Fuse all zone one taps, install recloser and fuse savers to reduce zone one. |
| | 5G83 | Circuit Hardening | 2022 | 2022 | Inspect and replace porcelain cutouts |
| | 5G76 | FIOLI | 2022 | 2022 | Fuse zone one. Replace porcelain cutouts and aged crossarms |
| | 5G79 | FIOLI | 2022 | 2022 | Fuse zone one. Replace porcelain cutouts and aged crossarms |

Under-Performing Circuits

After the completion of the development of reliability improvement plans (as discussed above), the Company evaluates those circuits whose blended reliability scores rank low, using its Circuit Performance Indicator (CPI). This is the primary basis for the next year's Worst Performing Feeders element of its Targeted Reliability Program. CPI is an acronym for Circuit Performance Indicator, which uses 3-year weighted reliability metrics of the circuit to identify underperformance. The Company targets a 20% average improvement in this metric to validate its effectiveness. The application of CPI⁹⁹ proved to demonstrate more consistently how performance comparisons could be made. The variables and equation for calculating CPI are:

$$\text{CPI} = \text{Index} * ((\text{SAIDI} * \text{WF} * \text{NF}) + (\text{SAIFI} * \text{WF} * \text{NF}) + (\text{MAIFI} * \text{WF} * \text{NF}) + (\text{Lockouts} * \text{WF} * \text{NF}))$$

Index: 10.645

SAIDI: Weighting Factor 0.30, Normalizing Factor 0.029

SAIFI: Weighting Factor 0.30, Normalizing Factor 2.439

MAIFI: Weighting Factor 0.20, Normalizing Factor 0.70

Lockouts: Weighting Factor 0.20, Normalizing Factor 2.00

Therefore, $10.645 * ((3\text{-year SAIDI} * 0.30 * 0.029) + (3\text{-year SAIFI} * 0.30 * 2.439) + (3\text{-year MAIFI} * 0.20 * 0.70) + (3\text{-year breaker lockouts} * 0.20 * 2.00)) = \text{CPI Score}$

The following distribution feeders were selected as under-performing based on CPI scores ending December 31, 2021 and identified as Program Year 2023 circuits in the Network Initiatives program:

| Program Year 2023 UNDER-PERFORMING CIRCUITS | | | | |
|---|--------------|-------|-----------------------|-------------------|
| CIRCUIT ID | CIRCUIT NAME | KV | OPERATING AREA | CPI ⁹⁹ |
| 5R52 | Free & Easy | 12.47 | Grants Pass | 93 |
| 5L19 | Lakeshore | 12.47 | Klamath Falls | 83 |
| 4M63 | Tennessee | 20.8 | Lebanon | 156 |
| 4A338 | Siuslaw | 20.8 | Lincoln City | 207 |
| 5U920 | Diamond Lake | 12.47 | Roseburg/Myrtle Creek | 562 |
| TARGET SCORE | | | | 176 |

The status of prior years' under-performing circuits is shown in the following table. (Targets for Program Years 1-10 were met and filed previously.)

| UNDER-PERFORMING CIRCUITS | | | | |
|--|--------------------------------|--------------------------|--------------------|----------------------|
| CIRCUIT ID | CIRCUIT NAME | OPERATING AREA | BASELINE | Performance 12/31/21 |
| Circuit Performance Indicator (CPI99) | | | | |
| Program Year 2022 (2021): | | | | |
| 4M15 | Ferry | Albany | 118 | 117 |
| 5R114 | Fruitdale | Grants Pass | 136 | 161 |
| 5R287 | Hummingbird | Medford | 163 | 160 |
| 4K1 | Sherman 208 | Hood River | 73 | 70 |
| 4M16 | Water Street | Albany | 87 | 63 |
| TARGET SCORE = 92 | | | 116 | 114 |
| Program Year 2021 (2020): | | | | |
| 4C37 | Maple Street | Myrtle Point | 43 | 123 |
| 4M17 | Calapooia | Brownsville | 158 | 121 |
| 4M243 | Scrael Hill | Murder Creek | 136 | 111 |
| 5P288 | Cully #3-UG | Cully | 74 | 14 |
| 5R245 | Valley View | Ashland (Mtn. Ave., PUD) | 78 | 84 |
| TARGET SCORE = 78 | | | 98 | 91 |
| Program Year 2020 (2019): | | | | |
| 5L43 | Dairy | Klamath Falls | 101 | 92 |
| 5R133 | Glendale | Grants Pass | 163 | 290 |
| 4M201 | Industrial | Dallas/Independence | 1,413 | 16 |
| 5A16 | Mill (Warrenton) | Clatsop (Astoria) | 129 | 9 |
| 5R63 | Wood River | Grants Pass | 143 | 83 |
| TARGET SCORE = 312 | | | 390 | 98 |
| Program Year 19 (2018): | | | | |
| L804 | Bandon | Coos Bay/Coquille | 138 | 92 |
| 4M238 | Dallas | Dallas/Independence | 161 | 77 |
| 4M94 | Foster | Lebanon | 199 | 140 |
| 4M125 | Mint | Albany | 151 | 96 |
| 4L50 | Rocky Point Feeder (Running Y) | Klamath Falls | 249 | 132 |
| TARGET MET | | | TARGET SCORE = 143 | 180 |
| Program Year 18 (2017): | | | | |
| 4M25 | Buena Vista | Dallas/Independence | 163 | 85 |
| 4C106 | Coos River | Coos Bay/Coquille | 212 | 211 |
| 4M120 | Mill City | Stayton | 261 | 172 |
| 5A211 | Olney | Clatsop/Astoria | 183 | 124 |
| 5R55 | Siskiyou | Medford | 220 | 170 |
| TARGET MET | | | TARGET SCORE = 166 | 208 |
| Program Year 17 (2016): | | | | |
| 5A20 | SOUTH (Warrenton) | Warrenton | 124 | 83 |
| 4C67 | INDUSTRIAL | Coos Bay/Coquille | 82 | 23 |
| 5L57 | CRATER LAKE | Klamath Falls | 200 | 109 |
| 4A316 | LAKE (DEVILS LAKE) | Lincoln City | 172 | 142 |
| 5U52 | BEALS CREEK FEEDER | Roseburg/Myrtle Creek | 188 | 134 |
| TARGET MET | | | TARGET SCORE = 123 | 153 |
| Program Year 16 (2015): | | | | |
| 4C108 | EMPIRE | Coos Bay/Coquille | 16 | 47 |
| 5A93 | BRADWOOD | Clatsop (Astoria) | 114 | 102 |
| 5K43 | BELMONT | Hood River | 118 | 39 |
| 5R232 | MERLIN-HUGO | Grants Pass | 41 | 53 |
| 5R65 | DEER CREEK | Grants Pass | 59 | 83 |
| TARGET MET | | | TARGET SCORE = 56 | 70 |

| UNDER-PERFORMING CIRCUITS | | | | |
|--|-------------------------|---------------------------|------------|----------------------|
| CIRCUIT ID | CIRCUIT NAME | OPERATING AREA | BASELINE | Performance 12/31/21 |
| Circuit Performance Indicator (CPI99) | | | | |
| Program Year 15 (2014): | | | | |
| 4M268 | KINGS ROAD | Corvallis | 115 | 40 |
| 4M269 | 29 TH STREET | Corvallis | 133 | 60 |
| 4U5 | DOUGLAS | Roseburg/Myrtle Creek | 34 | 41 |
| 4C50 | BUNKERHILL | Coos Bay/Coquille | 152 | 48 |
| 5R63 | WOOD RIVER | Grants Pass | 193 | 83 |
| TARGET MET | | TARGET SCORE = 100 | 125 | 54 |
| Program Year 14 (2013): | | | | |
| 4C42 | TERRES HGHTS | Coos Bay/Coquille | 158 | 87 |
| 5K70 | EASTSIDE (Hood River) | Hood River | 110 | 106 |
| 5R133 | GLENDALE | Grants Pass | 171 | 290 |
| 5R259 | CHINOOK (Grants Pass) | Grants Pass | 131 | 42 |
| 5R53 | ROUGH & READY | Grants Pass | 69 | 38 |
| TARGET MET | | TARGET SCORE = 102 | 128 | 112 |
| Program Year 13 (2012): | | | | |
| 5D144 | D.R.W. | Bend/Redmond | 124 | 4 |
| 5D2 | DESCHUTES S | Bend/Redmond | 104 | 22 |
| 4U39 | GOEDECK | Roseburg/Myrtle Creek | 24 | 38 |
| 5U84 | LITTLE RIVER | Roseburg/Myrtle Creek | 70 | 69 |
| 5L59 | WEST | Klamath Falls | 45 | 20 |
| TARGET MET | | TARGET SCORE = 59 | 73 | 31 |

Oregon Five-Year Reliability Reporting Region Metrics

| Excluding Major Events | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|------------|------------|--------------|----------|-------------------|--------|------------|------------|--------------|----------|-------------------|--------|------------|------------|--------------|----------|-------------------|--------|------------|------------|--------------|----------|-------------------|--------|
| Year | SAIDI | | | | | | SAIFI | | | | | | MAIFle | | | | | | CAIDI | | | | | |
| | Central OR | Coast Plus | Northeast OR | South OR | Willamette Valley | OREGON | Central OR | Coast Plus | Northeast OR | South OR | Willamette Valley | OREGON | Central OR | Coast Plus | Northeast OR | South OR | Willamette Valley | OREGON | Central OR | Coast Plus | Northeast OR | South OR | Willamette Valley | OREGON |
| 2021 | 53 | 111 | 93 | 107 | 140 | 106 | 0.47 | 0.88 | 0.75 | 0.93 | 1.33 | 0.93 | 0.84 | 0.36 | 2.76 | 1.73 | 2.03 | 1.07 | 115 | 126 | 124 | 115 | 105 | 115 |
| 2020 | 44 | 105 | 96 | 129 | 133 | 111 | 0.29 | 1.19 | 1.02 | 1.03 | 1.15 | 1.00 | 2.20 | 0.77 | 0.37 | 0.83 | 0.79 | 0.99 | 148 | 88 | 95 | 125 | 116 | 111 |
| 2019 | 30 | 114 | 84 | 119 | 139 | 108 | 0.23 | 1.11 | 0.54 | 1.08 | 1.17 | 0.97 | 1.50 | 1.56 | 3.46 | 1.71 | 2.92 | 1.92 | 134 | 102 | 154 | 110 | 119 | 112 |
| 2018 | 39 | 86 | 129 | 110 | 124 | 98 | 0.62 | 1.01 | 1.71 | 1.56 | 1.23 | 1.23 | 2.97 | 3.70 | 2.92 | 3.96 | 3.22 | 3.59 | 63 | 85 | 76 | 71 | 101 | 79 |
| 2017 | 52 | 111 | 95 | 106 | 177 | 114 | 0.41 | 1.55 | 1.05 | 0.98 | 2.02 | 1.26 | 3.29 | 3.59 | 4.63 | 4.41 | 2.70 | 3.54 | 127 | 72 | 90 | 108 | 88 | 90 |

| Including Major Events | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|------------|------------|--------------|----------|-------------------|--------|------------|------------|--------------|----------|-------------------|--------|------------|------------|--------------|----------|-------------------|--------|------------|------------|--------------|----------|-------------------|--------|
| Year | SAIDI | | | | | | SAIFI | | | | | | MAIFle | | | | | | CAIDI | | | | | |
| | Central OR | Coast Plus | Northeast OR | South OR | Willamette Valley | OREGON | Central OR | Coast Plus | Northeast OR | South OR | Willamette Valley | OREGON | Central OR | Coast Plus | Northeast OR | South OR | Willamette Valley | OREGON | Central OR | Coast Plus | Northeast OR | South OR | Willamette Valley | OREGON |
| 2021 | 143 | 446 | 138 | 196 | 1204 | 452 | 0.82 | 1.77 | 0.95 | 1.73 | 2.26 | 1.69 | 0.84 | 0.36 | 2.76 | 1.73 | 2.03 | 1.07 | 173 | 252 | 146 | 113 | 533 | 268 |
| 2020 | 229 | 388 | 261 | 434 | 270 | 354 | 0.64 | 1.97 | 1.79 | 1.63 | 1.94 | 1.65 | 2.20 | 0.77 | 0.37 | 0.83 | 0.79 | 0.99 | 360 | 197 | 146 | 267 | 139 | 215 |
| 2019 | 85 | 189 | 91 | 772 | 340 | 416 | 0.85 | 1.50 | 0.56 | 1.75 | 1.47 | 1.46 | 1.50 | 1.56 | 3.46 | 1.71 | 2.92 | 1.92 | 100 | 126 | 163 | 441 | 232 | 285 |
| 2018 | 83 | 158 | 164 | 166 | 131 | 146 | 1.09 | 1.28 | 1.80 | 1.83 | 1.26 | 1.47 | 2.97 | 3.70 | 2.92 | 3.96 | 3.22 | 3.59 | 76 | 124 | 91 | 91 | 105 | 99 |
| 2017 | 102 | 213 | 147 | 442 | 371 | 312 | 0.56 | 2.31 | 1.17 | 1.85 | 2.65 | 1.93 | 3.29 | 3.59 | 4.63 | 4.41 | 2.70 | 3.54 | 182 | 92 | 125 | 239 | 140 | 162 |

Oregon Five-Year Customer Count by Reliability Region and Operating Area

| Region | Op Area | CY2021 | CY2020 | CY2019 | CY2018 | CY2017 |
|--------------------------|----------------------|----------------|----------------|----------------|----------------|----------------|
| Central OR | BEND/REDMOND | 69,733 | 67,328 | 67,495 | 65,186 | 62,949 |
| Central OR | MADRAS | 17,692 | 17,235 | 17,312 | 16,897 | 16,623 |
| Central OR | | 87,425 | 84,563 | 84,807 | 82,083 | 79,572 |
| CoastPlus | CLATSOP (ASTORIA) | 25,251 | 25,031 | 25,060 | 24,657 | 24,422 |
| CoastPlus | COOS BAY/COQUILLE | 26,382 | 26,390 | 26,606 | 26,409 | 26,194 |
| CoastPlus | HOOD RIVER | 9,595 | 9,546 | 9,668 | 9,409 | 9,235 |
| CoastPlus | LINCOLN CITY | 12,080 | 12,330 | 12,280 | 12,172 | 12,047 |
| CoastPlus | PORTLAND | 85,630 | 83,892 | 82,618 | 81,104 | 80,241 |
| CoastPlus | | 158,938 | 157,189 | 156,232 | 153,751 | 152,139 |
| Northeast OR | ENTERPRISE | 5,531 | 5,476 | 5,510 | 5,432 | 5,353 |
| Northeast OR | HERMISTON | 4,906 | 4,829 | 4,802 | 4,696 | 4,639 |
| Northeast OR | MILTON/FREEWATER | - | - | - | - | - |
| Northeast OR | PENDLETON | 13,036 | 12,943 | 13,044 | 12,915 | 12,795 |
| Northeast OR | WALLA WALLA OR | 2,320 | 2,312 | 1,902 | 1,892 | 1,876 |
| Northeast OR | | 25,793 | 25,560 | 25,258 | 24,935 | 24,663 |
| South OR | GRANTS PASS | 52,543 | 52,143 | 52,457 | 51,864 | 51,217 |
| South OR | KLAMATH FALLS | 38,015 | 37,763 | 38,097 | 37,704 | 37,472 |
| South OR | LAKEVIEW | 2,443 | 2,412 | 2,450 | 2,439 | 2,328 |
| South OR | MEDFORD | 89,893 | 91,033 | 91,202 | 89,904 | 88,569 |
| South OR | ROSEBURG/MYRTLECREEK | 42,940 | 42,857 | 42,952 | 42,616 | 42,286 |
| South OR | | 225,834 | 226,208 | 227,158 | 224,527 | 221,872 |
| Willamette Valley | ALBANY | 32,925 | 32,228 | 32,471 | 31,783 | 31,250 |
| Willamette Valley | CORVALLIS | 30,457 | 29,956 | 29,875 | 29,657 | 29,445 |
| Willamette Valley | COTTAGE GROVE/J.CITY | 11,390 | 11,322 | 11,331 | 11,221 | 11,092 |
| Willamette Valley | DALLAS/INDEPENDENCE | 15,858 | 15,581 | 15,547 | 15,189 | 14,918 |
| Willamette Valley | LEBANON | 21,085 | 20,901 | 21,068 | 20,738 | 20,297 |
| Willamette Valley | STAYTON | 13,707 | 13,825 | 13,915 | 13,578 | 13,329 |
| Willamette Valley | | 125,422 | 123,813 | 124,207 | 122,166 | 120,331 |
| Oregon | | 623,412 | 617,333 | 617,662 | 607,462 | 598,577 |

Oregon Five-Year Cause Analysis by State

| OAR Cause | 2017 - State | | | | | | | | | | | | |
|---------------------------------|-----------------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|-----------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 598,577 | 270 | 13,534,770 | 317,164 | 22.61 | 0.530 | 43 | 407 | 39,608,911 | 499,581 | 66.17 | 0.835 | 79 |
| B Loss of Supply - Substation | 598,577 | 20 | 2,018,944 | 14,678 | 3.37 | 0.025 | 138 | 38 | 9,151,026 | 35,280 | 15.29 | 0.059 | 259 |
| C Distribution - Equipment | 598,577 | 3,432 | 14,030,069 | 88,692 | 23.44 | 0.148 | 158 | 3,685 | 23,094,567 | 112,390 | 38.58 | 0.188 | 205 |
| D Distribution - Lightning | 598,577 | 153 | 794,249 | 5,283 | 1.33 | 0.009 | 150 | 189 | 1,007,211 | 6,801 | 1.68 | 0.011 | 148 |
| E Distribution - Planned | 598,577 | 1,523 | 8,938,717 | 88,519 | 14.93 | 0.148 | 101 | 1,624 | 13,897,121 | 107,396 | 23.22 | 0.179 | 129 |
| F Distribution - Public | 598,577 | 326 | 10,866,265 | 58,584 | 18.15 | 0.098 | 185 | 334 | 10,888,994 | 58,723 | 18.19 | 0.098 | 185 |
| G Distribution - Vegetation | 598,577 | 938 | 12,870,920 | 92,260 | 21.50 | 0.154 | 140 | 1,572 | 49,019,419 | 170,446 | 81.89 | 0.285 | 288 |
| H Distribution - Weather | 598,577 | 192 | 2,601,716 | 18,421 | 4.35 | 0.031 | 141 | 930 | 34,360,669 | 80,695 | 57.40 | 0.135 | 426 |
| I Distribution - Wildlife | 598,577 | 763 | 1,479,958 | 20,593 | 2.47 | 0.034 | 72 | 772 | 1,488,024 | 20,676 | 2.49 | 0.035 | 72 |
| J Distribution - Unknown | 598,577 | 829 | 4,565,602 | 53,888 | 7.63 | 0.090 | 85 | 910 | 7,512,657 | 64,814 | 12.55 | 0.108 | 116 |
| K Distribution - Other | 598,577 | 151 | 2,016,839 | 36,069 | 3.37 | 0.060 | 56 | 193 | 2,496,082 | 38,568 | 4.17 | 0.064 | 65 |
| Grand Total | 598,577 | 8,597 | 73,718,049 | 794,151 | 123.16 | 1.327 | 93 | 10,654 | 192,524,681 | 1,195,370 | 321.64 | 1.997 | 161 |

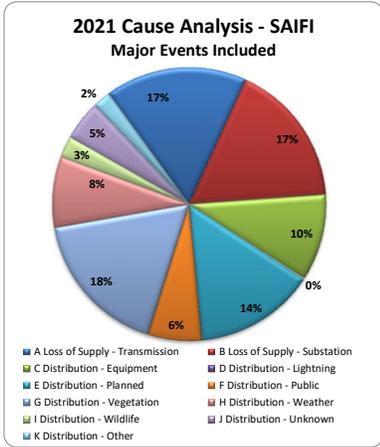
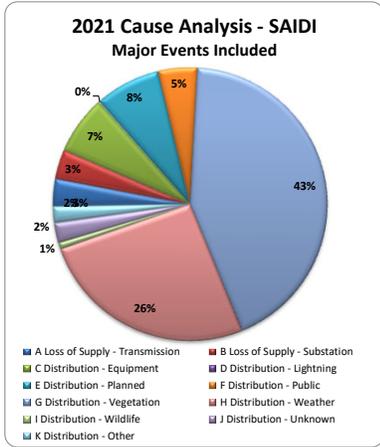
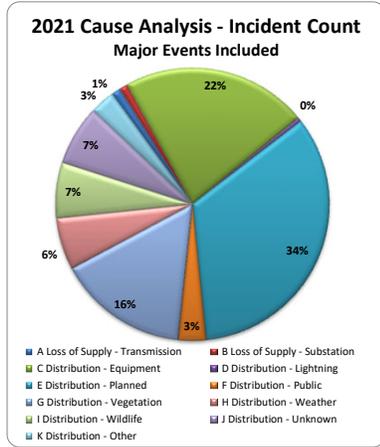
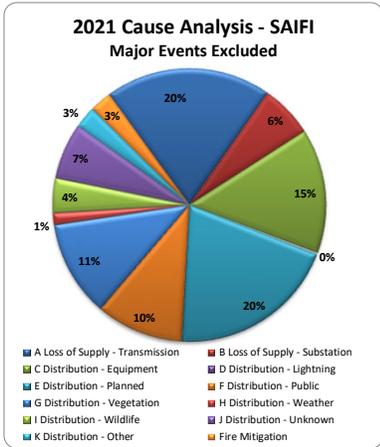
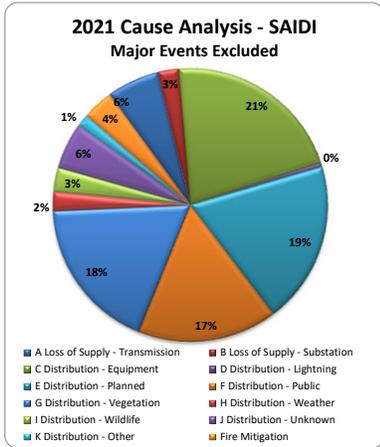
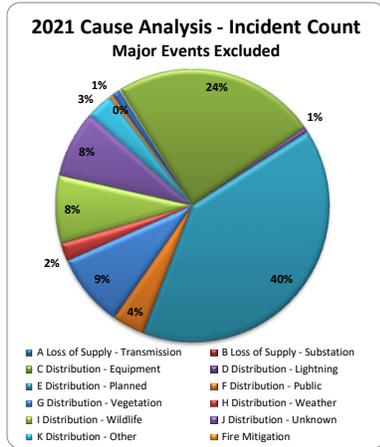
| OAR Cause | 2018 - State | | | | | | | | | | | | |
|---------------------------------|-----------------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|-----------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 607,462 | 333 | 10,306,569 | 361,135 | 16.97 | 0.594 | 29 | 371 | 16,784,063 | 418,325 | 27.63 | 0.689 | 40 |
| B Loss of Supply - Substation | 607,462 | 7 | 792,353 | 5,882 | 1.30 | 0.010 | 135 | 17 | 4,585,938 | 20,219 | 7.55 | 0.033 | 227 |
| C Distribution - Equipment | 607,462 | 3,080 | 12,297,291 | 89,870 | 20.24 | 0.148 | 137 | 3,166 | 14,920,795 | 99,102 | 24.56 | 0.163 | 151 |
| D Distribution - Lightning | 607,462 | 224 | 1,726,130 | 9,770 | 2.84 | 0.016 | 177 | 225 | 1,726,284 | 9,771 | 2.84 | 0.016 | 177 |
| E Distribution - Planned | 607,462 | 2,251 | 16,142,761 | 114,130 | 26.57 | 0.188 | 141 | 2,283 | 16,557,364 | 117,101 | 27.26 | 0.193 | 141 |
| F Distribution - Public | 607,462 | 387 | 9,656,979 | 47,865 | 15.90 | 0.079 | 202 | 392 | 9,665,121 | 47,904 | 15.91 | 0.079 | 202 |
| G Distribution - Vegetation | 607,462 | 948 | 9,892,562 | 64,757 | 16.29 | 0.107 | 153 | 1,129 | 18,586,721 | 96,952 | 30.60 | 0.160 | 192 |
| H Distribution - Weather | 607,462 | 214 | 2,885,703 | 16,162 | 4.75 | 0.027 | 179 | 320 | 8,418,248 | 37,075 | 13.86 | 0.061 | 227 |
| I Distribution - Wildlife | 607,462 | 763 | 1,712,107 | 17,426 | 2.82 | 0.029 | 98 | 775 | 3,043,203 | 27,427 | 5.01 | 0.045 | 111 |
| J Distribution - Unknown | 607,462 | 907 | 4,790,709 | 57,412 | 7.89 | 0.095 | 83 | 925 | 5,030,038 | 58,082 | 8.28 | 0.096 | 87 |
| K Distribution - Other | 607,462 | 225 | 1,928,504 | 18,822 | 3.17 | 0.031 | 102 | 231 | 1,930,598 | 18,826 | 3.18 | 0.031 | 103 |
| Grand Total | 607,462 | 9,339 | 72,131,669 | 803,231 | 118.74 | 1.322 | 90 | 9,834 | 101,248,374 | 950,784 | 166.67 | 1.565 | 106 |

| OAR Cause | 2019 - State | | | | | | | | | | | | |
|---------------------------------|-----------------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 617,662 | 155 | 7,680,620 | 149,652 | 12.43 | 0.242 | 51 | 282 | 68,975,629 | 293,620 | 111.67 | 0.475 | 235 |
| B Loss of Supply - Substation | 617,662 | 19 | 2,500,151 | 28,222 | 4.05 | 0.046 | 89 | 29 | 9,068,740 | 45,069 | 14.68 | 0.073 | 201 |
| C Distribution - Equipment | 617,662 | 3,122 | 15,729,005 | 105,719 | 25.47 | 0.171 | 149 | 3,358 | 19,665,070 | 110,712 | 31.84 | 0.179 | 178 |
| D Distribution - Lightning | 617,662 | 202 | 1,155,702 | 5,689 | 1.87 | 0.009 | 203 | 232 | 2,130,831 | 9,258 | 3.45 | 0.015 | 230 |
| E Distribution - Planned | 617,662 | 3,192 | 13,298,653 | 106,917 | 21.53 | 0.173 | 124 | 3,299 | 15,216,761 | 121,375 | 24.64 | 0.197 | 125 |
| F Distribution - Public | 617,662 | 353 | 7,951,803 | 59,839 | 12.87 | 0.097 | 133 | 366 | 8,389,819 | 62,584 | 13.58 | 0.101 | 134 |
| G Distribution - Vegetation | 617,662 | 914 | 16,377,247 | 94,003 | 26.51 | 0.152 | 174 | 1,472 | 49,538,031 | 129,618 | 80.20 | 0.210 | 382 |
| H Distribution - Weather | 617,662 | 216 | 3,375,682 | 17,743 | 5.47 | 0.029 | 190 | 724 | 81,353,803 | 84,459 | 131.71 | 0.137 | 963 |
| I Distribution - Wildlife | 617,662 | 802 | 2,514,079 | 22,863 | 4.07 | 0.037 | 110 | 808 | 2,524,756 | 22,982 | 4.09 | 0.037 | 110 |
| J Distribution - Unknown | 617,662 | 796 | 6,207,698 | 62,453 | 10.05 | 0.101 | 99 | 842 | 8,157,134 | 74,258 | 13.21 | 0.120 | 110 |
| K Distribution - Other | 617,662 | 231 | 973,621 | 14,908 | 1.58 | 0.024 | 65 | 284 | 2,795,825 | 19,774 | 4.53 | 0.032 | 141 |
| Grand Total | 617,662 | 10,002 | 77,764,262 | 668,008 | 125.90 | 1.082 | 116 | 11,696 | 267,816,401 | 973,709 | 433.60 | 1.576 | 275 |

| OAR Cause | 2020 - State | | | | | | | | | | | | |
|---------------------------------|-----------------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 617,333 | 129 | 11,351,096 | 157,078 | 18.39 | 0.254 | 72 | 217 | 38,070,885 | 287,784 | 61.67 | 0.466 | 132 |
| B Loss of Supply - Substation | 617,333 | 15 | 1,296,634 | 9,177 | 2.10 | 0.015 | 141 | 19 | 2,788,875 | 13,373 | 4.52 | 0.022 | 209 |
| C Distribution - Equipment | 617,333 | 3,086 | 12,984,979 | 90,670 | 21.03 | 0.147 | 143 | 3,421 | 18,019,512 | 109,423 | 29.19 | 0.177 | 165 |
| D Distribution - Lightning | 617,333 | 65 | 131,200 | 1,206 | 0.21 | 0.002 | 109 | 164 | 2,088,273 | 6,013 | 3.38 | 0.010 | 347 |
| E Distribution - Planned | 617,333 | 4,586 | 13,209,282 | 100,049 | 21.40 | 0.162 | 132 | 4,853 | 138,107,823 | 138,859 | 223.72 | 0.225 | 995 |
| F Distribution - Public | 617,333 | 442 | 12,711,604 | 79,546 | 20.59 | 0.129 | 160 | 475 | 14,391,245 | 88,684 | 23.31 | 0.144 | 162 |
| G Distribution - Vegetation | 617,333 | 920 | 12,991,558 | 92,038 | 21.04 | 0.149 | 141 | 1,595 | 50,451,924 | 154,242 | 81.73 | 0.250 | 327 |
| H Distribution - Weather | 617,333 | 167 | 2,590,978 | 18,273 | 4.20 | 0.030 | 142 | 764 | 47,500,323 | 151,750 | 76.94 | 0.246 | 313 |
| I Distribution - Wildlife | 617,333 | 956 | 3,614,105 | 34,932 | 5.85 | 0.057 | 103 | 1,069 | 3,820,365 | 36,536 | 6.19 | 0.059 | 105 |
| J Distribution - Unknown | 617,333 | 809 | 4,858,982 | 63,074 | 7.87 | 0.102 | 77 | 909 | 5,554,994 | 67,607 | 9.00 | 0.110 | 82 |
| K Distribution - Other | 617,333 | 269 | 1,977,895 | 26,063 | 3.20 | 0.042 | 76 | 392 | 29,380,754 | 43,294 | 47.59 | 0.070 | 679 |
| Grand Total | 617,333 | 11,444 | 77,718,312 | 672,106 | 125.89 | 1.089 | 116 | 13,878 | 350,174,974 | 1,097,565 | 567.24 | 1.778 | 319 |

Oregon Five-Year Cause Analysis by State

| OAR Cause | 2021 - State | | | | | | | | | | | | | |
|---------------------------------|-----------------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | |
| A Loss of Supply - Transmission | 629,028 | 112 | 4,957,564 | 134,134 | 7.88 | 0.213 | 37 | 157 | 9,569,219 | 192,385 | 15.21 | 0.306 | 50 | |
| B Loss of Supply - Substation | 629,028 | 27 | 1,991,671 | 42,617 | 3.17 | 0.068 | 47 | 142 | 10,203,423 | 195,219 | 16.22 | 0.310 | 52 | |
| C Distribution - Equipment | 629,028 | 2,812 | 17,110,003 | 100,358 | 27.20 | 0.160 | 170 | 3,211 | 20,369,734 | 117,020 | 32.38 | 0.186 | 174 | |
| D Distribution - Lightning | 629,028 | 68 | 363,538 | 1,758 | 0.58 | 0.003 | 207 | 70 | 386,087 | 1,829 | 0.61 | 0.003 | 211 | |
| E Distribution - Planned | 629,028 | 4,653 | 15,391,625 | 136,062 | 24.47 | 0.216 | 113 | 4,938 | 22,677,038 | 163,254 | 36.05 | 0.260 | 139 | |
| F Distribution - Public | 629,028 | 447 | 13,195,237 | 70,668 | 20.98 | 0.112 | 187 | 472 | 13,576,227 | 72,693 | 21.58 | 0.116 | 187 | |
| G Distribution - Vegetation | 629,028 | 1,010 | 14,560,351 | 77,724 | 23.15 | 0.124 | 187 | 2,263 | 126,130,900 | 198,963 | 200.52 | 0.316 | 634 | |
| H Distribution - Weather | 629,028 | 246 | 1,771,848 | 9,358 | 2.82 | 0.015 | 189 | 897 | 75,952,683 | 95,902 | 120.75 | 0.152 | 792 | |
| I Distribution - Wildlife | 629,028 | 936 | 2,302,202 | 27,927 | 3.66 | 0.044 | 82 | 963 | 2,420,648 | 29,005 | 3.85 | 0.046 | 83 | |
| J Distribution - Unknown | 629,028 | 927 | 4,429,144 | 45,550 | 7.04 | 0.072 | 97 | 1,035 | 6,826,446 | 53,988 | 10.85 | 0.086 | 126 | |
| K Distribution - Other | 629,028 | 359 | 1,152,255 | 17,655 | 1.83 | 0.028 | 65 | 429 | 5,554,360 | 24,141 | 8.83 | 0.038 | 230 | |
| Fire Mitigation | 629,028 | 46 | 2,915,495 | 17,470 | 4.63 | 0.028 | 167 | 50 | 3,649,082 | 21,075 | 5.80 | 0.034 | 173 | |
| Grand Total | 629,028 | 11,444 | 77,718,312 | 672,106 | 123.55 | 1.068 | 116 | 13,878 | 350,174,974 | 1,097,565 | 556.69 | 1.745 | 319 | |



Central Oregon Reporting Region Five-Year Cause Analysis

| OAR Cause | 2017 - Central Oregon Reporting Region | | | | | | | | | | | | |
|---------------------------------|--|--------------------------|------------------------------------|---------------------------------|--------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 79,572 | - | - | - | - | - | - | - | - | - | - | - | - |
| B Loss of Supply - Substation | 79,572 | 1 | 125,527 | 1,016 | 1.58 | 0.013 | 124 | 1 | 125,527 | 1,016 | 1.58 | 0.013 | 124 |
| C Distribution - Equipment | 79,572 | 427 | 1,408,156 | 7,813 | 17.70 | 0.098 | 180 | 448 | 2,108,359 | 9,520 | 26.50 | 0.120 | 221 |
| D Distribution - Lightning | 79,572 | 13 | 13,312 | 100 | 0.17 | 0.001 | 133 | 13 | 13,312 | 100 | 0.17 | 0.001 | 133 |
| E Distribution - Planned | 79,572 | 65 | 222,975 | 1,624 | 2.80 | 0.020 | 137 | 67 | 256,497 | 1,769 | 3.22 | 0.022 | 145 |
| F Distribution - Public | 79,572 | 34 | 668,599 | 6,395 | 8.40 | 0.080 | 105 | 35 | 673,088 | 6,430 | 8.46 | 0.081 | 105 |
| G Distribution - Vegetation | 79,572 | 36 | 1,003,829 | 8,982 | 12.62 | 0.113 | 112 | 62 | 2,767,317 | 14,249 | 34.78 | 0.179 | 194 |
| H Distribution - Weather | 79,572 | 15 | 208,297 | 737 | 2.62 | 0.009 | 283 | 41 | 1,565,052 | 5,036 | 19.67 | 0.063 | 311 |
| I Distribution - Wildlife | 79,572 | 102 | 164,530 | 1,556 | 2.07 | 0.020 | 106 | 104 | 164,910 | 1,561 | 2.07 | 0.020 | 106 |
| J Distribution - Unknown | 79,572 | 66 | 458,041 | 4,127 | 5.76 | 0.052 | 111 | 73 | 477,442 | 4,152 | 6.00 | 0.052 | 115 |
| K Distribution - Other | 79,572 | 16 | 58,290 | 1,351 | 0.73 | 0.017 | 43 | 20 | 195,231 | 2,193 | 2.45 | 0.028 | 89 |
| Grand Total | 79,572 | 775 | 4,331,555 | 33,701 | 54.44 | 0.424 | 129 | 864 | 8,346,734 | 46,026 | 104.90 | 0.578 | 181 |

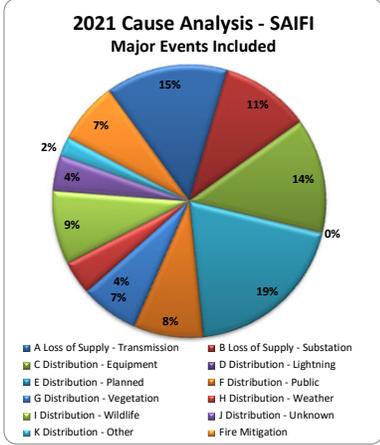
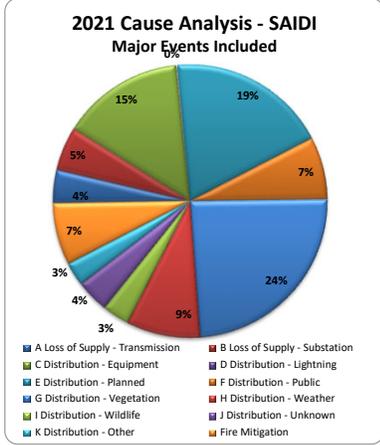
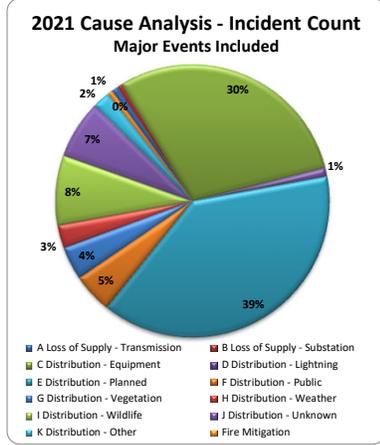
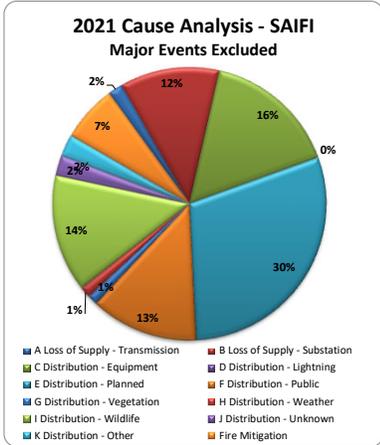
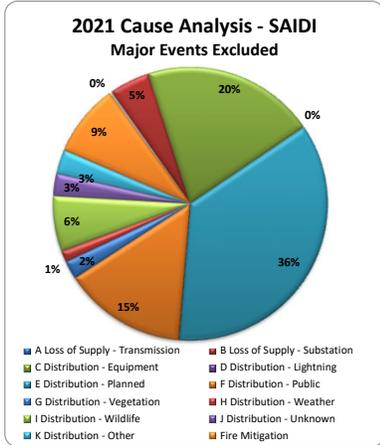
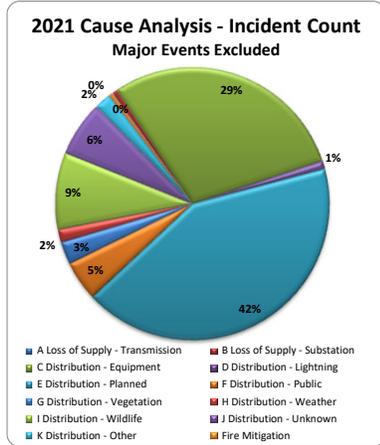
| OAR Cause | 2018 - Central Oregon Reporting Region | | | | | | | | | | | | |
|---------------------------------|--|--------------------------|------------------------------------|---------------------------------|--------------|--------------|-----------|--------------------------|------------------------------------|---------------------------------|--------------|--------------|-----------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 82,083 | 20 | 443,138 | 28,274 | 5.40 | 0.344 | 16 | 35 | 2,541,998 | 55,179 | 30.97 | 0.672 | 46 |
| B Loss of Supply - Substation | 82,083 | - | - | - | - | - | - | - | - | - | - | - | - |
| C Distribution - Equipment | 82,083 | 318 | 1,565,745 | 8,326 | 19.08 | 0.101 | 188 | 321 | 1,664,421 | 9,458 | 20.28 | 0.115 | 176 |
| D Distribution - Lightning | 82,083 | 22 | 37,474 | 174 | 0.46 | 0.002 | 215 | 23 | 37,628 | 175 | 0.46 | 0.002 | 215 |
| E Distribution - Planned | 82,083 | 96 | 301,427 | 4,505 | 3.67 | 0.055 | 67 | 97 | 302,522 | 4,535 | 3.69 | 0.055 | 67 |
| F Distribution - Public | 82,083 | 33 | 241,290 | 4,115 | 2.94 | 0.050 | 59 | 34 | 242,131 | 4,119 | 2.95 | 0.050 | 59 |
| G Distribution - Vegetation | 82,083 | 42 | 70,004 | 624 | 0.85 | 0.008 | 112 | 45 | 70,597 | 628 | 0.86 | 0.008 | 112 |
| H Distribution - Weather | 82,083 | 11 | 249,596 | 1,565 | 3.04 | 0.019 | 159 | 15 | 294,304 | 1,884 | 3.59 | 0.023 | 156 |
| I Distribution - Wildlife | 82,083 | 87 | 166,096 | 1,350 | 2.02 | 0.016 | 123 | 97 | 1,496,586 | 11,334 | 18.23 | 0.138 | 132 |
| J Distribution - Unknown | 82,083 | 80 | 284,981 | 3,493 | 3.47 | 0.043 | 82 | 82 | 286,355 | 3,507 | 3.49 | 0.043 | 82 |
| K Distribution - Other | 82,083 | 14 | 39,291 | 79 | 0.48 | 0.001 | 497 | 16 | 39,291 | 79 | 0.48 | 0.001 | 497 |
| Grand Total | 82,083 | 723 | 3,399,041 | 52,505 | 41.41 | 0.640 | 65 | 765 | 6,975,832 | 90,898 | 84.99 | 1.107 | 77 |

| OAR Cause | 2019 - Central Oregon Reporting Region | | | | | | | | | | | | |
|---------------------------------|--|--------------------------|------------------------------------|---------------------------------|--------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|--------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 84,807 | 1 | 237 | 1 | 0.00 | 0.000 | 237 | 34 | 2,897,811 | 43,515 | 34.17 | 0.513 | 67 |
| B Loss of Supply - Substation | 84,807 | - | - | - | - | - | - | - | - | - | - | - | - |
| C Distribution - Equipment | 84,807 | 376 | 1,534,952 | 9,519 | 18.10 | 0.112 | 161 | 413 | 1,657,971 | 10,186 | 19.55 | 0.120 | 163 |
| D Distribution - Lightning | 84,807 | 27 | 253,286 | 1,227 | 2.99 | 0.014 | 206 | 57 | 1,228,415 | 4,796 | 14.48 | 0.057 | 256 |
| E Distribution - Planned | 84,807 | 119 | 1,161,191 | 7,670 | 13.69 | 0.090 | 151 | 124 | 1,164,810 | 7,725 | 13.73 | 0.091 | 151 |
| F Distribution - Public | 84,807 | 33 | 250,579 | 2,475 | 2.95 | 0.029 | 101 | 35 | 253,953 | 2,490 | 2.99 | 0.029 | 102 |
| G Distribution - Vegetation | 84,807 | 23 | 76,126 | 431 | 0.90 | 0.005 | 177 | 42 | 310,416 | 2,475 | 3.66 | 0.029 | 125 |
| H Distribution - Weather | 84,807 | 8 | 37,400 | 141 | 0.44 | 0.002 | 265 | 15 | 201,614 | 1,556 | 2.38 | 0.018 | 130 |
| I Distribution - Wildlife | 84,807 | 59 | 265,218 | 1,830 | 3.13 | 0.022 | 145 | 60 | 266,186 | 1,841 | 3.14 | 0.022 | 145 |
| J Distribution - Unknown | 84,807 | 47 | 60,139 | 491 | 0.71 | 0.006 | 122 | 55 | 302,294 | 2,468 | 3.56 | 0.029 | 122 |
| K Distribution - Other | 84,807 | 18 | 43,803 | 2,411 | 0.52 | 0.028 | 18 | 18 | 43,803 | 2,411 | 0.52 | 0.028 | 18 |
| Grand Total | 84,807 | 711 | 3,682,930 | 26,196 | 43.43 | 0.309 | 141 | 853 | 8,327,273 | 79,463 | 98.19 | 0.937 | 105 |

| OAR Cause | 2020 - Central Oregon Reporting Region | | | | | | | | | | | | |
|---------------------------------|--|--------------------------|------------------------------------|---------------------------------|--------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 84,563 | 1 | 317,579 | 982 | 3.76 | 0.012 | 323 | 4 | 3,988,828 | 6,197 | 47.17 | 0.073 | 644 |
| B Loss of Supply - Substation | 84,563 | - | - | - | - | - | - | - | - | - | - | - | - |
| C Distribution - Equipment | 84,563 | 306 | 1,412,552 | 6,739 | 16.70 | 0.080 | 210 | 343 | 2,232,911 | 10,195 | 26.41 | 0.121 | 219 |
| D Distribution - Lightning | 84,563 | 19 | 18,933 | 175 | 0.22 | 0.002 | 108 | 28 | 192,756 | 334 | 2.28 | 0.004 | 577 |
| E Distribution - Planned | 84,563 | 336 | 1,080,090 | 10,813 | 12.77 | 0.128 | 100 | 356 | 1,120,178 | 12,012 | 13.25 | 0.142 | 93 |
| F Distribution - Public | 84,563 | 46 | 778,277 | 6,716 | 9.20 | 0.079 | 116 | 53 | 1,856,853 | 10,573 | 21.96 | 0.125 | 176 |
| G Distribution - Vegetation | 84,563 | 32 | 67,848 | 414 | 0.80 | 0.005 | 164 | 72 | 3,313,299 | 7,677 | 39.18 | 0.091 | 432 |
| H Distribution - Weather | 84,563 | 12 | 39,065 | 315 | 0.46 | 0.004 | 124 | 57 | 6,654,735 | 7,895 | 78.70 | 0.093 | 843 |
| I Distribution - Wildlife | 84,563 | 89 | 48,332 | 537 | 0.57 | 0.006 | 90 | 92 | 49,029 | 544 | 0.58 | 0.006 | 90 |
| J Distribution - Unknown | 84,563 | 58 | 308,623 | 3,283 | 3.65 | 0.039 | 94 | 61 | 349,438 | 3,585 | 4.13 | 0.042 | 97 |
| K Distribution - Other | 84,563 | 34 | 463,740 | 2,066 | 5.48 | 0.024 | 224 | 39 | 464,812 | 2,078 | 5.50 | 0.025 | 224 |
| Grand Total | 84,563 | 933 | 4,535,040 | 32,040 | 53.63 | 0.379 | 142 | 1,105 | 20,222,841 | 61,090 | 239.15 | 0.722 | 331 |

Central Oregon Reporting Region Five-Year Cause Analysis

| OAR Cause | 2021 - Central Oregon Reporting Region | | | | | | | | | | | | | |
|---------------------------------|--|--------------------------|------------------------------------|---------------------------------|--------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | |
| A Loss of Supply - Transmission | 87,425 | 1 | 21,846 | 996 | 0.25 | 0.011 | 22 | 9 | 644,546 | 13,344 | 7.37 | 0.153 | 48 | |
| B Loss of Supply - Substation | 87,425 | 6 | 383,828 | 6,786 | 4.39 | 0.078 | - | 7 | 849,567 | 9,723 | 9.72 | 0.111 | - | |
| C Distribution - Equipment | 87,425 | 305 | 1,637,048 | 9,162 | 18.73 | 0.105 | 179 | 348 | 2,358,135 | 12,519 | 26.97 | 0.143 | 188 | |
| D Distribution - Lightning | 87,425 | 10 | 2,730 | 16 | 0.03 | 0.000 | 171 | 12 | 25,279 | 87 | 0.29 | 0.001 | 291 | |
| E Distribution - Planned | 87,425 | 440 | 2,866,748 | 17,095 | 32.79 | 0.196 | 168 | 453 | 3,082,960 | 17,925 | 35.26 | 0.205 | 172 | |
| F Distribution - Public | 87,425 | 49 | 1,165,539 | 7,337 | 13.33 | 0.084 | 159 | 55 | 1,205,622 | 7,565 | 13.79 | 0.087 | 159 | |
| G Distribution - Vegetation | 87,425 | 28 | 174,088 | 670 | 1.99 | 0.008 | 260 | 46 | 3,922,578 | 6,339 | 44.87 | 0.073 | 619 | |
| H Distribution - Weather | 87,425 | 16 | 104,897 | 738 | 1.20 | 0.008 | 142 | 32 | 1,416,193 | 3,650 | 16.20 | 0.042 | 388 | |
| I Distribution - Wildlife | 87,425 | 95 | 524,193 | 8,001 | 6.00 | 0.092 | 66 | 97 | 524,579 | 8,005 | 6.00 | 0.092 | 66 | |
| J Distribution - Unknown | 87,425 | 68 | 212,976 | 1,371 | 2.44 | 0.016 | 155 | 81 | 633,054 | 3,885 | 7.24 | 0.044 | 163 | |
| K Distribution - Other | 87,425 | 21 | 229,256 | 1,494 | 2.62 | 0.017 | 153 | 24 | 457,091 | 2,077 | 5.23 | 0.024 | 220 | |
| Fire Mitigation | 87,425 | 4 | 686,737 | 3,839 | 7.86 | 0.044 | 179 | 7 | 1,192,697 | 6,719 | 13.64 | 0.077 | 178 | |
| Grand Total | 87,425 | 1,043 | 8,009,884 | 57,505 | 91.62 | 0.658 | 139 | 1,171 | 16,312,602 | 91,838 | 186.59 | 1.050 | 178 | |



CoastPlus Reporting Region Five-Year Cause Analysis

| OAR Cause | 2017 - CoastPlus Reporting Region | | | | | | | | | | | | |
|---------------------------------|-----------------------------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|-----------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|-----------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 152,139 | 80 | 3,929,436 | 120,294 | 25.83 | 0.791 | 33 | 122 | 7,442,212 | 179,962 | 48.92 | 1.183 | 41 |
| B Loss of Supply - Substation | 152,139 | 5 | 481,420 | 5,274 | 3.16 | 0.035 | 91 | 11 | 1,006,510 | 11,607 | 6.62 | 0.076 | 87 |
| C Distribution - Equipment | 152,139 | 788 | 2,664,512 | 19,897 | 17.51 | 0.131 | 134 | 859 | 7,514,544 | 28,700 | 49.39 | 0.189 | 262 |
| D Distribution - Lightning | 152,139 | 4 | 25,564 | 208 | 0.17 | 0.001 | 123 | 5 | 25,621 | 209 | 0.17 | 0.001 | 123 |
| E Distribution - Planned | 152,139 | 369 | 2,867,590 | 26,495 | 18.85 | 0.174 | 108 | 401 | 3,414,446 | 32,729 | 22.44 | 0.215 | 104 |
| F Distribution - Public | 152,139 | 60 | 1,475,562 | 10,007 | 9.70 | 0.066 | 147 | 62 | 1,476,321 | 10,009 | 9.70 | 0.066 | 147 |
| G Distribution - Vegetation | 152,139 | 318 | 4,637,640 | 34,736 | 30.48 | 0.228 | 134 | 447 | 7,205,438 | 52,429 | 47.36 | 0.345 | 137 |
| H Distribution - Weather | 152,139 | 33 | 845,510 | 5,809 | 5.56 | 0.038 | 146 | 102 | 4,253,234 | 21,246 | 27.96 | 0.140 | 200 |
| I Distribution - Wildlife | 152,139 | 105 | 278,148 | 3,045 | 1.83 | 0.020 | 91 | 108 | 280,959 | 3,063 | 1.85 | 0.020 | 92 |
| J Distribution - Unknown | 152,139 | 108 | 732,694 | 7,620 | 4.82 | 0.050 | 96 | 117 | 852,899 | 9,312 | 5.61 | 0.061 | 92 |
| K Distribution - Other | 152,139 | 37 | 762,171 | 11,380 | 5.01 | 0.075 | 67 | 42 | 920,280 | 12,771 | 6.05 | 0.084 | 72 |
| Grand Total | 152,139 | 1,907 | 18,700,247 | 244,765 | 122.92 | 1.609 | 76 | 2,276 | 34,392,466 | 362,037 | 226.06 | 2.380 | 95 |

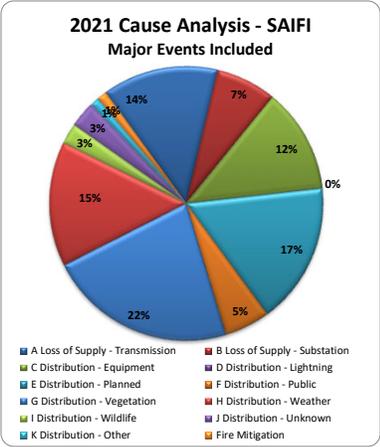
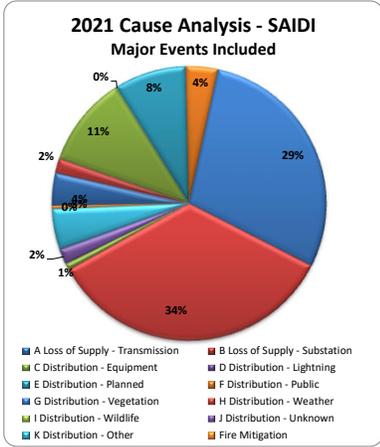
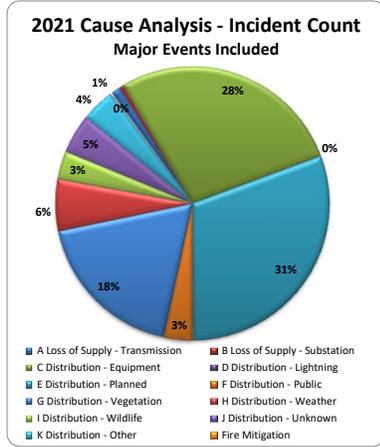
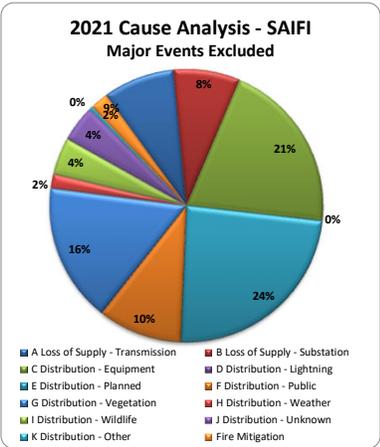
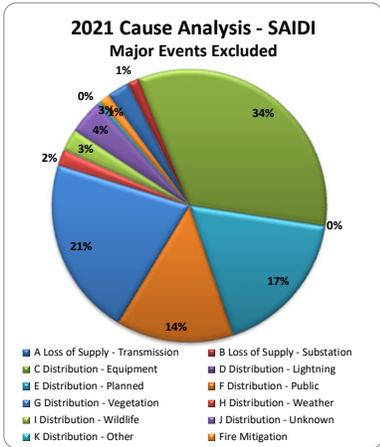
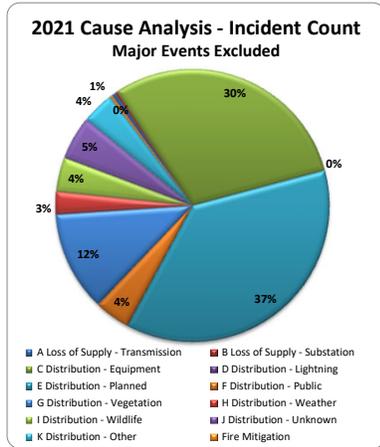
| OAR Cause | 2018 - CoastPlus Reporting Region | | | | | | | | | | | | |
|---------------------------------|-----------------------------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 153,751 | 65 | 2,912,493 | 74,715 | 18.94 | 0.486 | 39 | 69 | 4,870,107 | 84,674 | 31.68 | 0.551 | 58 |
| B Loss of Supply - Substation | 153,751 | - | - | - | - | - | - | 1 | 194,654 | 1,071 | 1.27 | 0.007 | 182 |
| C Distribution - Equipment | 153,751 | 763 | 2,658,320 | 21,336 | 17.29 | 0.139 | 125 | 792 | 3,586,763 | 23,820 | 23.33 | 0.155 | 151 |
| D Distribution - Lightning | 153,751 | 14 | 27,593 | 110 | 0.18 | 0.001 | 251 | 14 | 27,593 | 110 | 0.18 | 0.001 | 251 |
| E Distribution - Planned | 153,751 | 481 | 7,634,839 | 34,849 | 49.66 | 0.227 | 219 | 488 | 7,730,580 | 35,614 | 50.28 | 0.232 | 217 |
| F Distribution - Public | 153,751 | 63 | 1,331,852 | 6,185 | 8.66 | 0.040 | 215 | 65 | 1,338,166 | 6,216 | 8.70 | 0.040 | 215 |
| G Distribution - Vegetation | 153,751 | 338 | 2,740,342 | 19,573 | 17.82 | 0.127 | 140 | 419 | 8,457,684 | 40,927 | 55.01 | 0.266 | 207 |
| H Distribution - Weather | 153,751 | 47 | 799,281 | 4,121 | 5.20 | 0.027 | 194 | 100 | 2,918,617 | 10,513 | 18.98 | 0.068 | 278 |
| I Distribution - Wildlife | 153,751 | 99 | 314,522 | 3,154 | 2.05 | 0.021 | 100 | 99 | 314,522 | 3,154 | 2.05 | 0.021 | 100 |
| J Distribution - Unknown | 153,751 | 87 | 717,843 | 7,421 | 4.67 | 0.048 | 97 | 91 | 868,699 | 7,587 | 5.65 | 0.049 | 114 |
| K Distribution - Other | 153,751 | 53 | 1,067,465 | 8,335 | 6.94 | 0.054 | 128 | 54 | 1,069,309 | 8,336 | 6.95 | 0.054 | 128 |
| Grand Total | 153,751 | 2,010 | 20,204,551 | 179,799 | 131.41 | 1.169 | 112 | 2,192 | 31,376,693 | 222,022 | 204.07 | 1.444 | 141 |

| OAR Cause | 2019 - CoastPlus Reporting Region | | | | | | | | | | | | |
|---------------------------------|-----------------------------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 156,232 | 65 | 2,912,493 | 74,715 | 18.64 | 0.478 | 39 | 65 | 3,144,203 | 80,837 | 20.13 | 0.517 | 39 |
| B Loss of Supply - Substation | 156,232 | - | - | - | - | - | - | 12 | 4,817,144 | 21,842 | 30.83 | 0.140 | 221 |
| C Distribution - Equipment | 156,232 | 763 | 2,658,320 | 21,336 | 17.02 | 0.137 | 125 | 821 | 5,859,739 | 35,834 | 37.51 | 0.229 | 164 |
| D Distribution - Lightning | 156,232 | 14 | 27,593 | 110 | 0.18 | 0.001 | 251 | 14 | 27,593 | 110 | 0.18 | 0.001 | 227 |
| E Distribution - Planned | 156,232 | 481 | 7,634,839 | 34,849 | 48.87 | 0.223 | 219 | 653 | 6,571,881 | 43,778 | 42.06 | 0.280 | 150 |
| F Distribution - Public | 156,232 | 63 | 1,331,852 | 6,185 | 8.52 | 0.040 | 215 | 67 | 1,892,691 | 12,120 | 12.11 | 0.078 | 156 |
| G Distribution - Vegetation | 156,232 | 338 | 2,740,342 | 19,573 | 17.54 | 0.125 | 140 | 372 | 6,972,735 | 28,906 | 44.63 | 0.185 | 241 |
| H Distribution - Weather | 156,232 | 47 | 799,281 | 4,121 | 5.12 | 0.026 | 194 | 98 | 3,522,477 | 14,588 | 22.55 | 0.093 | 241 |
| I Distribution - Wildlife | 156,232 | 99 | 314,522 | 3,154 | 2.01 | 0.020 | 100 | 108 | 789,529 | 4,962 | 5.05 | 0.032 | 159 |
| J Distribution - Unknown | 156,232 | 87 | 717,843 | 7,421 | 4.59 | 0.047 | 97 | 95 | 1,424,702 | 16,717 | 9.12 | 0.107 | 85 |
| K Distribution - Other | 156,232 | 53 | 1,067,465 | 8,335 | 6.83 | 0.053 | 128 | 47 | 1,78,479 | 4,355 | 1.14 | 0.028 | 41 |
| Grand Total | 156,232 | 2,010 | 20,204,551 | 179,799 | 129.32 | 1.151 | 112 | 2,352 | 35,251,996 | 264,284 | 225.64 | 1.692 | 133 |

| OAR Cause | 2020 - CoastPlus Reporting Region | | | | | | | | | | | | |
|---------------------------------|-----------------------------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|-----------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 157,189 | 43 | 2,571,426 | 75,441 | 16.36 | 0.480 | 34 | 81 | 12,574,356 | 137,438 | 80.00 | 0.874 | 91 |
| B Loss of Supply - Substation | 157,189 | - | - | - | - | - | - | 2 | 738,370 | 991 | 4.70 | 0.006 | 745 |
| C Distribution - Equipment | 157,189 | 766 | 3,263,393 | 29,436 | 20.76 | 0.187 | 111 | 822 | 3,870,450 | 32,357 | 24.62 | 0.206 | 120 |
| D Distribution - Lightning | 157,189 | 8 | 36,634 | 459 | 0.23 | 0.003 | 80 | 11 | 53,086 | 465 | 0.34 | 0.003 | 114 |
| E Distribution - Planned | 157,189 | 833 | 3,050,080 | 24,282 | 19.40 | 0.154 | 126 | 877 | 31,847,588 | 34,434 | 202.61 | 0.219 | 925 |
| F Distribution - Public | 157,189 | 108 | 2,263,278 | 14,813 | 14.40 | 0.094 | 153 | 115 | 2,496,941 | 18,202 | 15.88 | 0.116 | 137 |
| G Distribution - Vegetation | 157,189 | 297 | 4,805,105 | 33,413 | 30.57 | 0.213 | 144 | 458 | 10,426,274 | 55,196 | 66.33 | 0.351 | 189 |
| H Distribution - Weather | 157,189 | 41 | 823,032 | 3,971 | 5.24 | 0.025 | 207 | 100 | 8,069,226 | 22,502 | 51.33 | 0.143 | 359 |
| I Distribution - Wildlife | 157,189 | 95 | 715,713 | 9,044 | 4.55 | 0.058 | 79 | 101 | 726,824 | 9,088 | 4.62 | 0.058 | 80 |
| J Distribution - Unknown | 157,189 | 100 | 728,075 | 7,734 | 4.63 | 0.049 | 94 | 117 | 781,370 | 8,099 | 4.97 | 0.052 | 96 |
| K Distribution - Other | 157,189 | 51 | 359,441 | 5,429 | 2.29 | 0.035 | 66 | 87 | 20,008,230 | 16,905 | 127.29 | 0.108 | 1,184 |
| Grand Total | 157,189 | 2,342 | 18,616,177 | 204,022 | 118.43 | 1.298 | 91 | 2,771 | 91,592,715 | 335,677 | 582.69 | 2.135 | 273 |

CoastPlus Reporting Region Five-Year Cause Analysis

| OAR Cause | 2021 - CoastPlus Reporting Region | | | | | | | | | | | | | |
|---------------------------------|-----------------------------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | |
| A Loss of Supply - Transmission | 158,938 | 11 | 528,405 | 14,366 | 3.32 | 0.090 | 37 | 34 | 2,860,341 | 43,214 | 18.00 | 0.272 | 66 | |
| B Loss of Supply - Substation | 158,938 | 7 | 273,000 | 13,369 | 1.72 | 0.084 | - | 15 | 1,297,683 | 22,432 | 8.16 | 0.141 | 58 | |
| C Distribution - Equipment | 158,938 | 723 | 6,800,111 | 34,635 | 42.78 | 0.218 | 196 | 864 | 7,959,859 | 39,013 | 50.08 | 0.245 | 204 | |
| D Distribution - Lightning | 158,938 | 1 | 41 | 1 | 0.00 | 0.000 | 41 | 1 | 41 | 1 | 0.00 | 0.000 | 41 | |
| E Distribution - Planned | 158,938 | 891 | 3,529,703 | 40,432 | 22.21 | 0.254 | 87 | 951 | 6,319,495 | 52,513 | 39.76 | 0.330 | 120 | |
| F Distribution - Public | 158,938 | 101 | 2,817,858 | 16,908 | 17.73 | 0.106 | 167 | 108 | 2,828,425 | 16,944 | 17.80 | 0.107 | 167 | |
| G Distribution - Vegetation | 158,938 | 285 | 4,291,237 | 27,792 | 27.00 | 0.175 | 154 | 571 | 21,520,389 | 70,109 | 135.40 | 0.441 | 307 | |
| H Distribution - Weather | 158,938 | 65 | 381,409 | 2,852 | 2.40 | 0.018 | 134 | 191 | 25,554,201 | 46,411 | 160.78 | 0.292 | 551 | |
| I Distribution - Wildlife | 158,938 | 98 | 526,241 | 7,477 | 3.31 | 0.047 | 70 | 103 | 550,876 | 7,708 | 3.47 | 0.048 | 71 | |
| J Distribution - Unknown | 158,938 | 124 | 818,156 | 7,419 | 5.15 | 0.047 | 110 | 145 | 1,340,440 | 9,652 | 8.43 | 0.061 | 139 | |
| K Distribution - Other | 158,938 | 92 | 91,333 | 658 | 0.57 | 0.004 | 139 | 122 | 3,569,309 | 3,343 | 22.46 | 0.021 | 1,068 | |
| Fire Mitigation | 158,938 | 7 | 253,415 | 3,557 | 1.59 | 0.022 | 71 | 7 | 253,415 | 3,557 | 1.59 | 0.022 | 71 | |
| Grand Total | 158,938 | 2,405 | 20,310,908 | 169,466 | 127.79 | 1.066 | 120 | 3,112 | 74,054,474 | 314,897 | 465.93 | 1.981 | 235 | |



Northeast Oregon Reporting Region Five-Year Cause Analysis

| OAR Cause | 2017 - Northeast Oregon Reporting Region | | | | | | | | | | | | |
|---------------------------------|--|--------------------------|------------------------------------|---------------------------------|--------------|--------------|-----------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 24,663 | 19 | 478,271 | 12,077 | 19.39 | 0.490 | 40 | 19 | 478,271 | 12,077 | 19.39 | 0.490 | 40 |
| B Loss of Supply - Substation | 24,663 | 3 | 71,844 | 270 | 2.91 | 0.011 | 266 | 3 | 71,844 | 270 | 2.91 | 0.011 | 266 |
| C Distribution - Equipment | 24,663 | 253 | 782,405 | 4,170 | 31.72 | 0.169 | 188 | 262 | 937,198 | 4,643 | 38.00 | 0.188 | 202 |
| D Distribution - Lightning | 24,663 | 14 | 36,510 | 206 | 1.48 | 0.008 | 177 | 14 | 36,510 | 206 | 1.48 | 0.008 | 177 |
| E Distribution - Planned | 24,663 | 30 | 154,392 | 2,304 | 6.26 | 0.093 | 67 | 35 | 238,689 | 2,636 | 9.68 | 0.107 | 91 |
| F Distribution - Public | 24,663 | 15 | 241,253 | 1,199 | 9.78 | 0.049 | 201 | 15 | 241,253 | 1,199 | 9.78 | 0.049 | 201 |
| G Distribution - Vegetation | 24,663 | 30 | 131,097 | 691 | 5.32 | 0.028 | 190 | 43 | 297,156 | 1,060 | 12.05 | 0.043 | 280 |
| H Distribution - Weather | 24,663 | 26 | 51,215 | 699 | 2.08 | 0.028 | 73 | 46 | 908,428 | 2,244 | 36.83 | 0.091 | 405 |
| I Distribution - Wildlife | 24,663 | 92 | 141,183 | 906 | 5.72 | 0.037 | 156 | 92 | 141,183 | 906 | 5.72 | 0.037 | 156 |
| J Distribution - Unknown | 24,663 | 70 | 195,566 | 2,712 | 7.93 | 0.110 | 72 | 76 | 211,799 | 2,828 | 8.59 | 0.115 | 75 |
| K Distribution - Other | 24,663 | 10 | 84,898 | 1,441 | 3.44 | 0.058 | 59 | 11 | 94,017 | 1,492 | 3.81 | 0.060 | 63 |
| Grand Total | 24,663 | 562 | 2,368,633 | 26,675 | 96.04 | 1.082 | 89 | 616 | 3,656,348 | 29,561 | 148.25 | 1.199 | 124 |

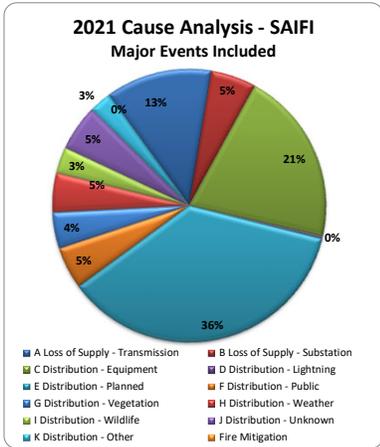
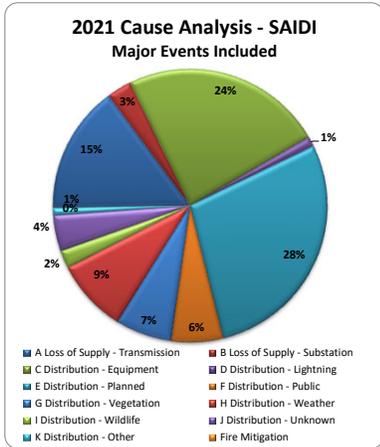
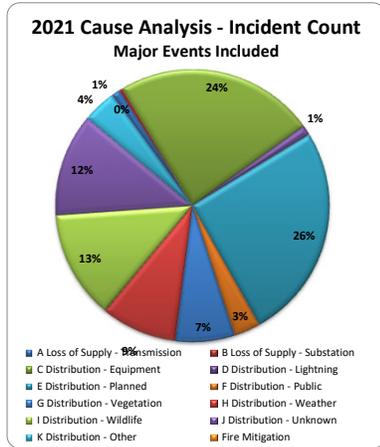
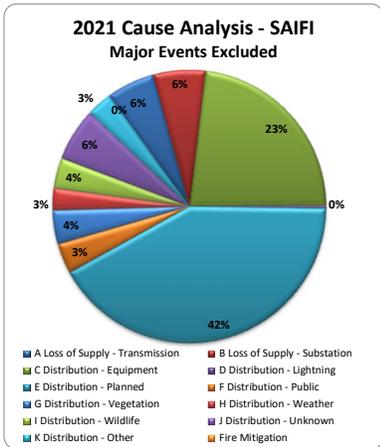
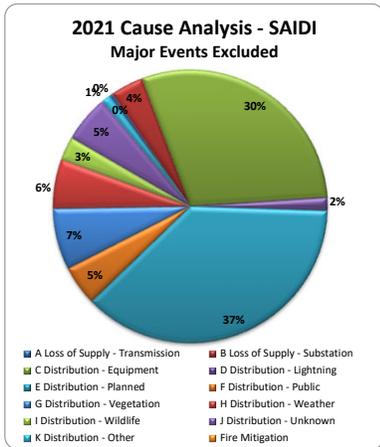
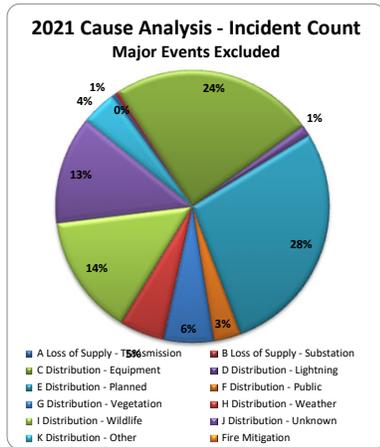
| OAR Cause | 2018 - Northeast Oregon Reporting Region | | | | | | | | | | | | |
|---------------------------------|--|--------------------------|------------------------------------|---------------------------------|---------------|--------------|-----------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|-----------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 24,935 | 33 | 838,895 | 21,685 | 33.64 | 0.870 | 39 | 34 | 866,092 | 22,061 | 34.73 | 0.885 | 39 |
| B Loss of Supply - Substation | 24,935 | 2 | 68,637 | 1,396 | 2.75 | 0.056 | 49 | 2 | 68,637 | 1,396 | 2.75 | 0.056 | 49 |
| C Distribution - Equipment | 24,935 | 192 | 730,473 | 3,740 | 29.30 | 0.150 | 195 | 202 | 1,515,877 | 5,160 | 60.79 | 0.207 | 294 |
| D Distribution - Lightning | 24,935 | 25 | 27,466 | 120 | 1.10 | 0.005 | 229 | 25 | 27,466 | 120 | 1.10 | 0.005 | 229 |
| E Distribution - Planned | 24,935 | 35 | 700,713 | 9,566 | 28.10 | 0.384 | 73 | 35 | 700,713 | 9,566 | 28.10 | 0.384 | 73 |
| F Distribution - Public | 24,935 | 31 | 605,619 | 3,225 | 24.29 | 0.129 | 188 | 31 | 605,619 | 3,225 | 24.29 | 0.129 | 188 |
| G Distribution - Vegetation | 24,935 | 44 | 164,592 | 672 | 6.60 | 0.027 | 245 | 49 | 174,555 | 697 | 7.00 | 0.028 | 250 |
| H Distribution - Weather | 24,935 | 15 | 38,004 | 216 | 1.52 | 0.009 | 176 | 18 | 67,868 | 611 | 2.72 | 0.025 | 111 |
| I Distribution - Wildlife | 24,935 | 81 | 59,201 | 605 | 2.37 | 0.024 | 98 | 81 | 59,201 | 605 | 2.37 | 0.024 | 98 |
| J Distribution - Unknown | 24,935 | 102 | 179,359 | 1,497 | 7.19 | 0.060 | 120 | 106 | 194,684 | 1,649 | 7.81 | 0.066 | 118 |
| K Distribution - Other | 24,935 | 10 | 301,581 | 1,850 | 12.09 | 0.074 | 163 | 10 | 301,581 | 1,850 | 12.09 | 0.074 | 163 |
| Grand Total | 24,935 | 570 | 3,714,540 | 44,572 | 148.97 | 1.788 | 83 | 593 | 4,582,293 | 46,940 | 183.77 | 1.882 | 98 |

| OAR Cause | 2019 - Northeast Oregon Reporting Region | | | | | | | | | | | | |
|---------------------------------|--|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 25,258 | 7 | 257,401 | 2,084 | 10.19 | 0.083 | 124 | 7 | 257,401 | 2,084 | 10.19 | 0.083 | 124 |
| B Loss of Supply - Substation | 25,258 | - | - | - | - | - | - | - | - | - | - | - | - |
| C Distribution - Equipment | 25,258 | 257 | 729,622 | 4,312 | 28.89 | 0.171 | 169 | 262 | 854,638 | 4,518 | 33.84 | 0.179 | 189 |
| D Distribution - Lightning | 25,258 | 32 | 68,549 | 486 | 2.71 | 0.019 | 141 | 32 | 68,549 | 486 | 2.71 | 0.019 | 141 |
| E Distribution - Planned | 25,258 | 54 | 493,300 | 2,900 | 19.53 | 0.115 | 170 | 54 | 493,300 | 2,900 | 19.53 | 0.115 | 170 |
| F Distribution - Public | 25,258 | 15 | 400,017 | 2,614 | 15.84 | 0.103 | 153 | 15 | 400,017 | 2,614 | 15.84 | 0.103 | 153 |
| G Distribution - Vegetation | 25,258 | 27 | 130,017 | 630 | 5.15 | 0.025 | 206 | 30 | 185,750 | 836 | 7.35 | 0.033 | 222 |
| H Distribution - Weather | 25,258 | 27 | 190,182 | 759 | 7.53 | 0.030 | 251 | 28 | 202,405 | 788 | 8.01 | 0.031 | 257 |
| I Distribution - Wildlife | 25,258 | 80 | 65,542 | 534 | 2.59 | 0.021 | 123 | 80 | 65,542 | 534 | 2.59 | 0.021 | 123 |
| J Distribution - Unknown | 25,258 | 64 | 169,271 | 1,902 | 6.70 | 0.075 | 89 | 64 | 169,271 | 1,902 | 6.70 | 0.075 | 89 |
| K Distribution - Other | 25,258 | 7 | 61,546 | 111 | 2.44 | 0.004 | 554 | 7 | 61,546 | 111 | 2.44 | 0.004 | 554 |
| Grand Total | 25,258 | 570 | 2,565,447 | 16,332 | 101.57 | 0.647 | 157 | 579 | 2,758,419 | 16,773 | 109.21 | 0.664 | 164 |

| OAR Cause | 2020 - Northeast Oregon Reporting Region | | | | | | | | | | | | |
|---------------------------------|--|--------------------------|------------------------------------|---------------------------------|---------------|--------------|-----------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 25,560 | 5 | 88,111 | 3,188 | 3.45 | 0.125 | 28 | 15 | 1,016,302 | 10,576 | 39.76 | 0.414 | 96 |
| B Loss of Supply - Substation | 25,560 | 2 | 26,713 | 1,991 | 1.05 | 0.078 | 13 | 2 | 26,713 | 1,991 | 1.05 | 0.078 | 13 |
| C Distribution - Equipment | 25,560 | 248 | 932,302 | 5,530 | 36.48 | 0.216 | 169 | 289 | 1,197,281 | 8,049 | 46.84 | 0.315 | 149 |
| D Distribution - Lightning | 25,560 | 10 | 5,052 | 29 | 0.20 | 0.001 | 174 | 24 | 329,959 | 245 | 12.91 | 0.010 | 1,347 |
| E Distribution - Planned | 25,560 | 194 | 390,991 | 4,869 | 15.30 | 0.190 | 80 | 211 | 493,057 | 6,605 | 19.29 | 0.258 | 75 |
| F Distribution - Public | 25,560 | 18 | 194,736 | 1,854 | 7.62 | 0.073 | 105 | 24 | 216,942 | 1,927 | 8.49 | 0.075 | 113 |
| G Distribution - Vegetation | 25,560 | 40 | 326,541 | 4,244 | 12.78 | 0.166 | 77 | 88 | 1,421,314 | 7,923 | 55.61 | 0.310 | 179 |
| H Distribution - Weather | 25,560 | 42 | 258,488 | 1,051 | 10.11 | 0.041 | 246 | 84 | 1,766,273 | 5,348 | 69.10 | 0.209 | 330 |
| I Distribution - Wildlife | 25,560 | 104 | 80,323 | 786 | 3.14 | 0.031 | 102 | 120 | 90,120 | 884 | 3.53 | 0.035 | 102 |
| J Distribution - Unknown | 25,560 | 92 | 291,791 | 4,784 | 11.42 | 0.187 | 61 | 97 | 300,872 | 4,826 | 11.77 | 0.189 | 62 |
| K Distribution - Other | 25,560 | 26 | 93,062 | 1,476 | 3.64 | 0.058 | 63 | 28 | 119,040 | 1,503 | 4.66 | 0.059 | 79 |
| Grand Total | 25,560 | 781 | 2,688,110 | 29,802 | 105.17 | 1.166 | 90 | 982 | 6,977,873 | 49,877 | 273.00 | 1.951 | 140 |

Northeast Oregon Reporting Region Five-Year Cause Analysis

| OAR Cause | 2021 - Northeast Oregon Reporting Region | | | | | | | | | | | | | |
|---------------------------------|--|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | |
| A Loss of Supply - Transmission | 25,793 | 3 | 14,738 | 1,798 | 0.57 | 0.070 | 8 | 8 | 719,318 | 4,620 | 27.89 | 0.179 | 156 | |
| B Loss of Supply - Substation | 25,793 | 3 | 137,969 | 1,962 | 5.35 | 0.076 | 70 | 3 | 137,969 | 1,962 | 5.35 | 0.076 | 70 | |
| C Distribution - Equipment | 25,793 | 163 | 1,062,350 | 7,243 | 41.19 | 0.281 | 147 | 182 | 1,131,896 | 7,557 | 43.88 | 0.293 | 150 | |
| D Distribution - Lightning | 25,793 | 9 | 55,351 | 102 | 2.15 | 0.004 | 543 | 9 | 55,351 | 102 | 2.15 | 0.004 | 543 | |
| E Distribution - Planned | 25,793 | 190 | 1,333,883 | 13,162 | 51.71 | 0.510 | 101 | 197 | 1,342,050 | 13,205 | 52.03 | 0.512 | 102 | |
| F Distribution - Public | 25,793 | 22 | 168,171 | 1,125 | 6.52 | 0.044 | 149 | 24 | 290,184 | 1,823 | 11.25 | 0.071 | 159 | |
| G Distribution - Vegetation | 25,793 | 40 | 258,742 | 1,257 | 10.03 | 0.049 | 206 | 54 | 316,130 | 1,562 | 12.26 | 0.061 | 202 | |
| H Distribution - Weather | 25,793 | 36 | 209,573 | 820 | 8.13 | 0.032 | 256 | 69 | 410,044 | 1,707 | 15.90 | 0.066 | 240 | |
| I Distribution - Wildlife | 25,793 | 97 | 99,838 | 1,139 | 3.87 | 0.044 | 88 | 99 | 99,937 | 1,141 | 3.87 | 0.044 | 88 | |
| J Distribution - Unknown | 25,793 | 87 | 198,337 | 1,971 | 7.69 | 0.076 | 101 | 94 | 202,581 | 1,997 | 7.85 | 0.077 | 101 | |
| K Distribution - Other | 25,793 | 28 | 38,566 | 943 | 1.50 | 0.037 | 41 | 30 | 39,154 | 947 | 1.52 | 0.037 | 41 | |
| Fire Mitigation | 25,793 | - | - | - | - | - | - | - | - | - | - | - | - | |
| Grand Total | 25,793 | 678 | 3,577,519 | 31,522 | 138.70 | 1.222 | 113 | 769 | 4,744,613 | 36,623 | 183.95 | 1.420 | 130 | |



Southern Oregon Reporting Region Five-Year Cause Analysis

| OAR Cause | 2017 - Southern Oregon Reporting Region | | | | | | | | | | | | |
|---------------------------------|---|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 221,872 | 99 | 4,331,267 | 77,423 | 19.52 | 0.349 | 56 | 178 | 21,941,278 | 174,711 | 98.89 | 0.787 | 126 |
| B Loss of Supply - Substation | 221,872 | 9 | 985,315 | 6,088 | 4.44 | 0.027 | 162 | 11 | 3,360,991 | 9,933 | 15.15 | 0.045 | 338 |
| C Distribution - Equipment | 221,872 | 1,316 | 5,395,996 | 33,503 | 24.32 | 0.151 | 161 | 1,422 | 6,127,922 | 37,208 | 27.62 | 0.168 | 165 |
| D Distribution - Lightning | 221,872 | 120 | 635,621 | 4,511 | 2.86 | 0.020 | 141 | 154 | 848,525 | 6,028 | 3.82 | 0.027 | 141 |
| E Distribution - Planned | 221,872 | 578 | 3,380,189 | 33,366 | 15.23 | 0.150 | 101 | 616 | 4,744,648 | 37,002 | 21.38 | 0.167 | 128 |
| F Distribution - Public | 221,872 | 107 | 3,778,559 | 21,011 | 17.03 | 0.095 | 180 | 109 | 3,787,721 | 21,033 | 17.07 | 0.095 | 180 |
| G Distribution - Vegetation | 221,872 | 295 | 4,194,492 | 27,662 | 18.91 | 0.125 | 152 | 654 | 31,589,480 | 74,290 | 142.38 | 0.335 | 425 |
| H Distribution - Weather | 221,872 | 89 | 935,334 | 8,043 | 4.22 | 0.036 | 116 | 620 | 24,673,689 | 42,471 | 111.21 | 0.191 | 581 |
| I Distribution - Wildlife | 221,872 | 311 | 363,256 | 5,496 | 1.64 | 0.025 | 66 | 312 | 363,366 | 5,497 | 1.64 | 0.025 | 66 |
| J Distribution - Unknown | 221,872 | 333 | 1,368,235 | 13,144 | 6.17 | 0.059 | 104 | 356 | 2,484,811 | 14,779 | 11.20 | 0.067 | 168 |
| K Distribution - Other | 221,872 | 47 | 547,085 | 7,052 | 2.47 | 0.032 | 78 | 50 | 547,350 | 7,055 | 2.47 | 0.032 | 78 |
| Grand Total | 221,872 | 3,304 | 25,915,349 | 237,299 | 116.80 | 1.070 | 109 | 4,482 | 100,469,781 | 430,007 | 452.83 | 1.938 | 234 |

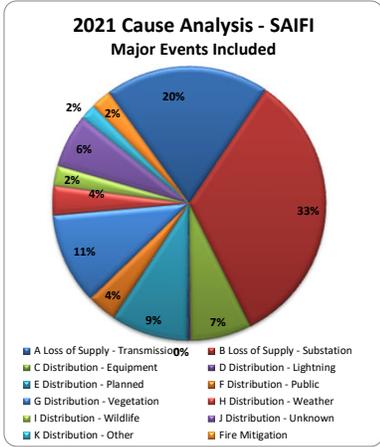
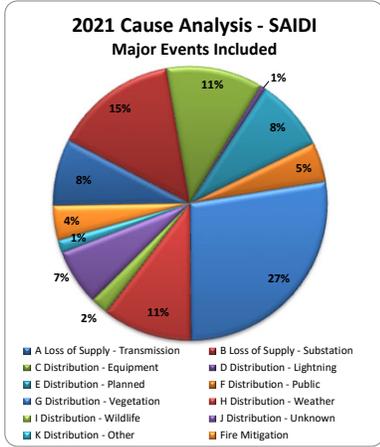
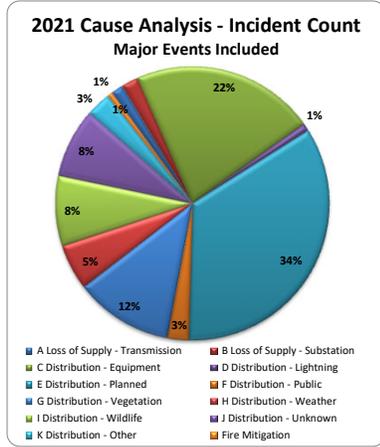
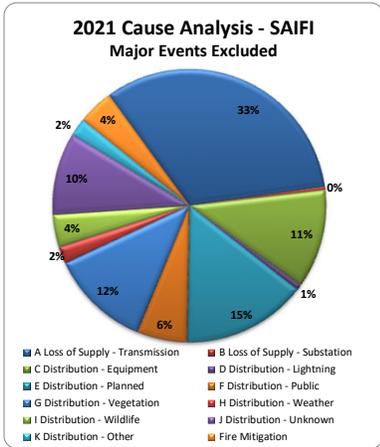
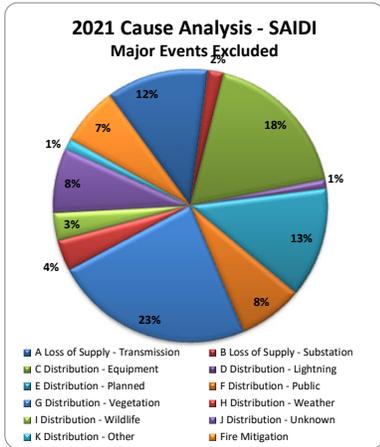
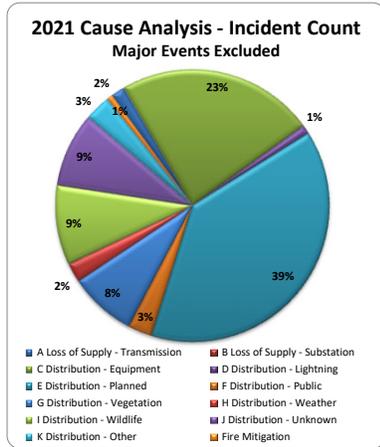
| OAR Cause | 2018 - Southern Oregon Reporting Region | | | | | | | | | | | | |
|---------------------------------|---|--------------------------|------------------------------------|---------------------------------|---------------|--------------|-----------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|-----------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 224,527 | 191 | 5,588,500 | 210,694 | 24.89 | 0.938 | 27 | 209 | 7,982,323 | 230,644 | 35.55 | 1.027 | 35 |
| B Loss of Supply - Substation | 224,527 | 5 | 723,716 | 4,486 | 3.22 | 0.020 | 161 | 14 | 4,322,647 | 17,752 | 19.25 | 0.079 | 244 |
| C Distribution - Equipment | 224,527 | 1,180 | 4,796,929 | 31,379 | 21.36 | 0.140 | 153 | 1,215 | 5,498,426 | 35,261 | 24.49 | 0.157 | 156 |
| D Distribution - Lightning | 224,527 | 145 | 1,549,801 | 9,035 | 6.90 | 0.040 | 172 | 145 | 1,549,801 | 9,035 | 6.90 | 0.040 | 172 |
| E Distribution - Planned | 224,527 | 784 | 2,860,746 | 25,150 | 12.74 | 0.112 | 114 | 801 | 3,163,738 | 27,179 | 14.09 | 0.121 | 116 |
| F Distribution - Public | 224,527 | 136 | 2,528,578 | 15,767 | 11.26 | 0.070 | 160 | 137 | 2,529,407 | 15,770 | 11.27 | 0.070 | 160 |
| G Distribution - Vegetation | 224,527 | 273 | 4,103,349 | 24,051 | 18.28 | 0.107 | 171 | 327 | 6,464,548 | 32,975 | 28.79 | 0.147 | 196 |
| H Distribution - Weather | 224,527 | 98 | 1,023,242 | 7,140 | 4.56 | 0.032 | 143 | 132 | 4,215,541 | 20,018 | 18.78 | 0.089 | 211 |
| I Distribution - Wildlife | 224,527 | 308 | 804,225 | 8,225 | 3.58 | 0.037 | 98 | 309 | 804,278 | 8,226 | 3.58 | 0.037 | 98 |
| J Distribution - Unknown | 224,527 | 325 | 1,773,741 | 19,299 | 7.90 | 0.086 | 92 | 329 | 1,806,284 | 19,448 | 8.04 | 0.087 | 93 |
| K Distribution - Other | 224,527 | 79 | 403,696 | 5,334 | 1.80 | 0.024 | 76 | 82 | 403,947 | 5,337 | 1.80 | 0.024 | 76 |
| Grand Total | 224,527 | 3,524 | 26,156,522 | 360,560 | 116.50 | 1.606 | 73 | 3,700 | 38,740,940 | 421,645 | 172.54 | 1.878 | 92 |

| OAR Cause | 2019 - Southern Oregon Reporting Region | | | | | | | | | | | | |
|---------------------------------|---|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 227,158 | 84 | 3,890,444 | 71,847 | 17.13 | 0.316 | 54 | 166 | 57,338,706 | 153,302 | 252.42 | 0.675 | 374 |
| B Loss of Supply - Substation | 227,158 | 12 | 1,724,962 | 12,672 | 7.59 | 0.056 | 136 | 15 | 3,998,311 | 18,770 | 17.60 | 0.083 | 213 |
| C Distribution - Equipment | 227,158 | 1,166 | 4,518,301 | 32,869 | 19.89 | 0.145 | 137 | 1,266 | 7,849,286 | 35,265 | 34.55 | 0.155 | 223 |
| D Distribution - Lightning | 227,158 | 92 | 236,664 | 1,564 | 1.04 | 0.007 | 151 | 92 | 236,664 | 1,564 | 1.04 | 0.007 | 151 |
| E Distribution - Planned | 227,158 | 1,256 | 2,955,447 | 32,556 | 13.01 | 0.143 | 91 | 1,293 | 3,531,193 | 39,591 | 15.55 | 0.148 | 105 |
| F Distribution - Public | 227,158 | 127 | 2,698,638 | 21,441 | 11.88 | 0.094 | 126 | 132 | 2,719,859 | 21,706 | 11.97 | 0.096 | 125 |
| G Distribution - Vegetation | 227,158 | 365 | 7,395,254 | 37,545 | 32.56 | 0.165 | 197 | 628 | 32,696,434 | 54,359 | 143.94 | 0.239 | 601 |
| H Distribution - Weather | 227,158 | 119 | 1,881,793 | 11,052 | 8.28 | 0.049 | 170 | 444 | 62,867,546 | 50,008 | 276.76 | 0.220 | 1,257 |
| I Distribution - Wildlife | 227,158 | 372 | 833,469 | 11,140 | 3.67 | 0.049 | 75 | 376 | 840,789 | 11,227 | 3.70 | 0.049 | 75 |
| J Distribution - Unknown | 227,158 | 366 | 2,541,749 | 25,325 | 11.19 | 0.111 | 100 | 385 | 3,268,380 | 26,661 | 14.39 | 0.117 | 123 |
| K Distribution - Other | 227,158 | 107 | 402,334 | 4,577 | 1.77 | 0.020 | 88 | 148 | 2,054,878 | 8,715 | 9.05 | 0.038 | 236 |
| Grand Total | 227,158 | 4,066 | 29,079,055 | 262,588 | 128.01 | 1.156 | 111 | 4,945 | 177,402,047 | 415,168 | 780.96 | 1.828 | 427 |

| OAR Cause | 2020 - Southern Oregon Reporting Region | | | | | | | | | | | | |
|---------------------------------|---|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 226,208 | 76 | 7,769,837 | 70,261 | 34.35 | 0.311 | 111 | 107 | 16,676,623 | 110,624 | 73.72 | 0.489 | 151 |
| B Loss of Supply - Substation | 226,208 | 12 | 584,440 | 4,655 | 2.58 | 0.021 | 126 | 14 | 1,338,311 | 7,860 | 5.92 | 0.035 | 170 |
| C Distribution - Equipment | 226,208 | 1,104 | 3,759,518 | 20,556 | 16.62 | 0.091 | 183 | 1,230 | 6,564,911 | 29,450 | 29.02 | 0.130 | 223 |
| D Distribution - Lightning | 226,208 | 23 | 67,715 | 506 | 0.30 | 0.002 | 134 | 36 | 135,064 | 1,141 | 0.60 | 0.005 | 118 |
| E Distribution - Planned | 226,208 | 1,933 | 5,094,748 | 34,352 | 22.52 | 0.152 | 148 | 2,045 | 98,610,381 | 52,836 | 435.93 | 0.234 | 1,866 |
| F Distribution - Public | 226,208 | 157 | 5,259,220 | 29,029 | 23.25 | 0.128 | 181 | 165 | 5,374,578 | 29,346 | 23.76 | 0.130 | 183 |
| G Distribution - Vegetation | 226,208 | 298 | 4,929,854 | 27,182 | 21.79 | 0.120 | 181 | 590 | 30,188,522 | 49,754 | 133.45 | 0.220 | 607 |
| H Distribution - Weather | 226,208 | 48 | 1,091,750 | 9,716 | 4.83 | 0.043 | 112 | 404 | 23,998,882 | 51,804 | 106.09 | 0.229 | 463 |
| I Distribution - Wildlife | 226,208 | 448 | 1,508,496 | 16,210 | 6.67 | 0.072 | 93 | 509 | 1,647,857 | 17,442 | 7.28 | 0.077 | 94 |
| J Distribution - Unknown | 226,208 | 341 | 2,047,871 | 25,253 | 9.05 | 0.112 | 81 | 389 | 2,600,507 | 28,572 | 11.50 | 0.126 | 91 |
| K Distribution - Other | 226,208 | 105 | 927,354 | 13,823 | 4.10 | 0.061 | 67 | 163 | 6,689,187 | 18,957 | 29.57 | 0.084 | 353 |
| Grand Total | 226,208 | 4,545 | 33,040,804 | 251,543 | 146.06 | 1.112 | 131 | 5,652 | 193,824,821 | 397,786 | 856.84 | 1.758 | 487 |

Southern Oregon Reporting Region Five-Year Cause Analysis

| OAR Cause | 2021 - Southern Oregon Reporting Region | | | | | | | | | | | | | |
|---------------------------------|---|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--|
| | Oregon Customer count | Major Event Excluded | | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | |
| A Loss of Supply - Transmission | 225,834 | 73 | 3,451,181 | 78,646 | 15.28 | 0.348 | 44 | 76 | 3,864,363 | 82,009 | 17.11 | 0.363 | 47 | |
| B Loss of Supply - Substation | 225,834 | 2 | 524,385 | 880 | 2.32 | 0.004 | 596 | 107 | 7,110,007 | 139,904 | 31.48 | 0.619 | 51 | |
| C Distribution - Equipment | 225,834 | 1,062 | 5,151,690 | 28,008 | 22.81 | 0.124 | 184 | 1,164 | 5,559,043 | 30,237 | 24.62 | 0.134 | 184 | |
| D Distribution - Lightning | 225,834 | 48 | 305,416 | 1,639 | 1.35 | 0.007 | 186 | 48 | 305,416 | 1,639 | 1.35 | 0.007 | 186 | |
| E Distribution - Planned | 225,834 | 1,761 | 3,731,070 | 35,361 | 16.52 | 0.157 | 106 | 1,841 | 4,158,055 | 38,626 | 18.41 | 0.171 | 108 | |
| F Distribution - Public | 225,834 | 129 | 2,179,521 | 14,279 | 9.65 | 0.063 | 153 | 135 | 2,280,165 | 14,831 | 10.10 | 0.066 | 154 | |
| G Distribution - Vegetation | 225,834 | 362 | 6,733,057 | 28,460 | 29.81 | 0.126 | 237 | 622 | 13,371,668 | 45,384 | 59.21 | 0.201 | 295 | |
| H Distribution - Weather | 225,834 | 103 | 1,054,849 | 4,821 | 4.67 | 0.021 | 219 | 290 | 5,157,012 | 14,664 | 22.84 | 0.065 | 352 | |
| I Distribution - Wildlife | 225,834 | 429 | 931,461 | 9,198 | 4.12 | 0.041 | 101 | 444 | 1,024,191 | 10,021 | 4.54 | 0.044 | 102 | |
| J Distribution - Unknown | 225,834 | 401 | 2,196,485 | 23,334 | 9.73 | 0.103 | 94 | 440 | 3,217,517 | 26,584 | 14.25 | 0.118 | 121 | |
| K Distribution - Other | 225,834 | 139 | 361,689 | 5,129 | 1.60 | 0.023 | 71 | 156 | 736,390 | 7,840 | 3.26 | 0.035 | 94 | |
| Fire Mitigation | 225,834 | 32 | 1,973,391 | 10,061 | 8.74 | 0.045 | 196 | 32 | 1,973,391 | 10,061 | 8.74 | 0.045 | 196 | |
| Grand Total | 225,834 | 4,541 | 28,594,496 | 239,816 | 126.62 | 1.062 | 119 | 5,355 | 48,757,219 | 421,800 | 215.90 | 1.868 | 116 | |



Willamette Valley Reporting Region Five-Year Cause Analysis

| OAR Cause | 2017 - Willamette Valley Reporting Region | | | | | | | | | | | | |
|---------------------------------|---|--------------------------|------------------------------------|---------------------------------|---------------|--------------|-----------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 120,331 | 72 | 4,795,797 | 107,370 | 39.86 | 0.892 | 45 | 88 | 9,747,151 | 132,831 | 81.00 | 1.104 | 73 |
| B Loss of Supply - Substation | 120,331 | 2 | 354,839 | 2,030 | 2.95 | 0.017 | 175 | 12 | 4,586,155 | 12,454 | 38.11 | 0.103 | 368 |
| C Distribution - Equipment | 120,331 | 648 | 3,778,999 | 23,309 | 31.41 | 0.194 | 162 | 694 | 6,406,544 | 32,319 | 53.24 | 0.269 | 198 |
| D Distribution - Lightning | 120,331 | 3 | 83,243 | 258 | 0.69 | 0.002 | 323 | 3 | 83,243 | 258 | 0.69 | 0.002 | 323 |
| E Distribution - Planned | 120,331 | 482 | 2,313,571 | 24,730 | 19.23 | 0.206 | 94 | 505 | 5,242,842 | 33,260 | 43.57 | 0.276 | 158 |
| F Distribution - Public | 120,331 | 111 | 4,702,292 | 19,972 | 39.08 | 0.166 | 235 | 113 | 4,710,610 | 20,052 | 39.15 | 0.167 | 235 |
| G Distribution - Vegetation | 120,331 | 259 | 2,903,863 | 20,189 | 24.13 | 0.168 | 144 | 366 | 7,160,027 | 28,418 | 59.50 | 0.236 | 252 |
| H Distribution - Weather | 120,331 | 29 | 561,360 | 3,133 | 4.67 | 0.026 | 179 | 121 | 2,960,267 | 9,698 | 24.60 | 0.081 | 305 |
| I Distribution - Wildlife | 120,331 | 154 | 532,841 | 9,590 | 4.43 | 0.080 | 56 | 156 | 537,607 | 9,649 | 4.47 | 0.080 | 56 |
| J Distribution - Unknown | 120,331 | 252 | 1,811,066 | 26,285 | 15.05 | 0.218 | 69 | 288 | 3,485,706 | 33,743 | 28.97 | 0.280 | 103 |
| K Distribution - Other | 120,331 | 43 | 564,518 | 14,847 | 4.69 | 0.123 | 38 | 70 | 739,202 | 15,057 | 6.14 | 0.125 | 49 |
| Grand Total | 120,331 | 2,055 | 22,402,388 | 251,713 | 186.17 | 2.092 | 89 | 2,416 | 45,659,353 | 327,739 | 379.45 | 2.724 | 139 |

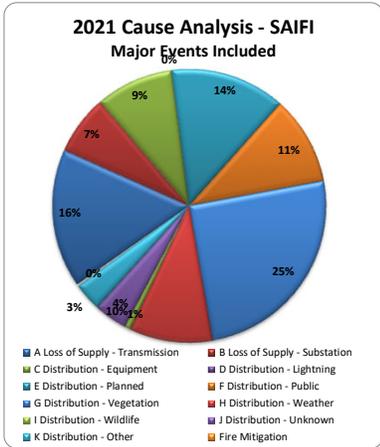
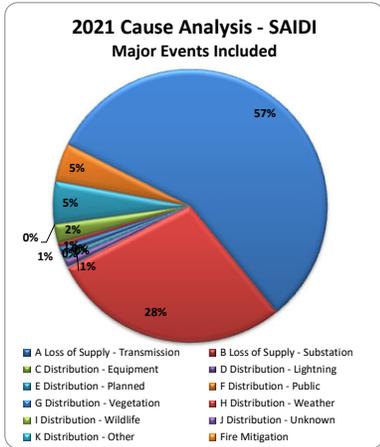
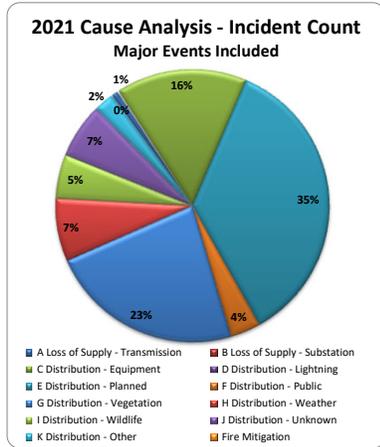
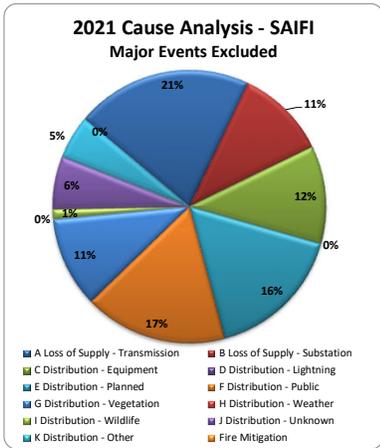
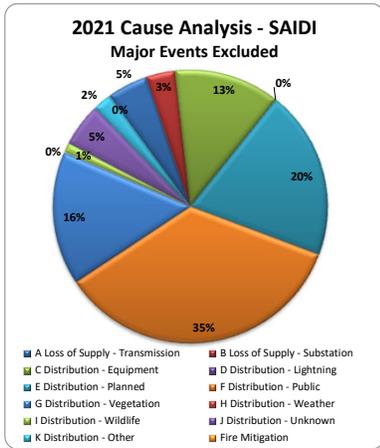
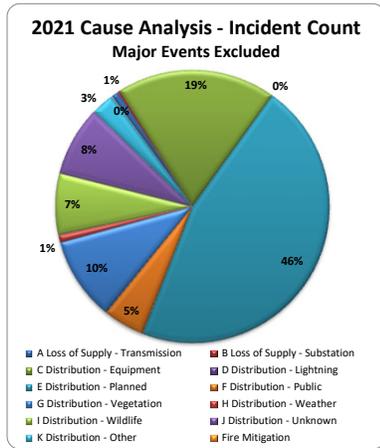
| OAR Cause | 2018 - Willamette Valley Reporting Region | | | | | | | | | | | | |
|---------------------------------|---|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 122,166 | 24 | 523,543 | 25,767 | 4.29 | 0.211 | 20 | 24 | 523,543 | 25,767 | 4.29 | 0.211 | 20 |
| B Loss of Supply - Substation | 122,166 | - | - | - | - | - | - | - | - | - | - | - | - |
| C Distribution - Equipment | 122,166 | 627 | 2,545,824 | 25,089 | 20.84 | 0.205 | 101 | 636 | 2,655,308 | 25,403 | 21.74 | 0.208 | 105 |
| D Distribution - Lightning | 122,166 | 18 | 83,796 | 331 | 0.69 | 0.003 | 253 | 18 | 83,796 | 331 | 0.69 | 0.003 | 253 |
| E Distribution - Planned | 122,166 | 855 | 4,645,037 | 40,060 | 38.02 | 0.328 | 116 | 862 | 4,659,811 | 40,207 | 38.14 | 0.329 | 116 |
| F Distribution - Public | 122,166 | 124 | 4,949,641 | 18,573 | 40.52 | 0.152 | 266 | 125 | 4,949,799 | 18,574 | 40.52 | 0.152 | 266 |
| G Distribution - Vegetation | 122,166 | 251 | 2,814,275 | 19,837 | 23.04 | 0.162 | 142 | 289 | 3,419,337 | 21,725 | 27.99 | 0.178 | 157 |
| H Distribution - Weather | 122,166 | 43 | 775,579 | 3,120 | 6.35 | 0.026 | 249 | 55 | 921,917 | 4,049 | 7.55 | 0.033 | 228 |
| I Distribution - Wildlife | 122,166 | 188 | 368,064 | 4,092 | 3.01 | 0.033 | 90 | 189 | 368,616 | 4,108 | 3.02 | 0.034 | 90 |
| J Distribution - Unknown | 122,166 | 313 | 1,834,784 | 25,702 | 15.02 | 0.210 | 71 | 317 | 1,874,017 | 25,891 | 15.34 | 0.212 | 72 |
| K Distribution - Other | 122,166 | 69 | 116,471 | 3,224 | 0.95 | 0.026 | 36 | 69 | 116,471 | 3,224 | 0.95 | 0.026 | 36 |
| Grand Total | 122,166 | 2,512 | 18,657,014 | 165,795 | 152.72 | 1.357 | 113 | 2,584 | 19,572,616 | 169,279 | 160.21 | 1.386 | 116 |

| OAR Cause | 2019 - Willamette Valley Reporting Region | | | | | | | | | | | | |
|---------------------------------|---|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 124,207 | 6 | 763,494 | 9,024 | 6.15 | 0.073 | 85 | 10 | 5,337,509 | 13,882 | 42.97 | 0.112 | 384 |
| B Loss of Supply - Substation | 124,207 | 2 | 253,285 | 4,457 | 2.04 | 0.036 | 57 | 2 | 253,285 | 4,457 | 2.04 | 0.036 | 57 |
| C Distribution - Equipment | 124,207 | 567 | 3,295,512 | 24,218 | 26.53 | 0.195 | 136 | 596 | 3,443,437 | 24,909 | 27.72 | 0.201 | 138 |
| D Distribution - Lightning | 124,207 | 37 | 518,787 | 2,067 | 4.18 | 0.017 | 251 | 37 | 518,787 | 2,067 | 4.18 | 0.017 | 251 |
| E Distribution - Planned | 124,207 | 1,128 | 2,395,675 | 26,168 | 19.29 | 0.211 | 92 | 1,175 | 3,455,577 | 33,381 | 27.82 | 0.269 | 104 |
| F Distribution - Public | 124,207 | 114 | 3,111,728 | 23,613 | 25.05 | 0.190 | 132 | 117 | 3,123,299 | 23,654 | 25.15 | 0.190 | 132 |
| G Distribution - Vegetation | 124,207 | 251 | 4,688,796 | 33,495 | 37.75 | 0.270 | 140 | 400 | 9,372,696 | 43,042 | 75.46 | 0.347 | 218 |
| H Distribution - Weather | 124,207 | 20 | 328,877 | 2,364 | 2.65 | 0.019 | 139 | 139 | 14,559,760 | 17,519 | 117.22 | 0.141 | 831 |
| I Distribution - Wildlife | 124,207 | 183 | 560,321 | 4,397 | 4.51 | 0.035 | 127 | 184 | 562,710 | 4,418 | 4.53 | 0.036 | 127 |
| J Distribution - Unknown | 124,207 | 237 | 2,742,386 | 26,113 | 22.08 | 0.210 | 105 | 243 | 2,992,487 | 26,510 | 24.09 | 0.213 | 113 |
| K Distribution - Other | 124,207 | 60 | 319,558 | 3,590 | 2.57 | 0.029 | 89 | 64 | 457,119 | 4,182 | 3.68 | 0.034 | 109 |
| Grand Total | 124,207 | 2,605 | 18,978,419 | 159,506 | 152.80 | 1.284 | 119 | 2,967 | 44,076,666 | 198,021 | 354.86 | 1.594 | 223 |

| OAR Cause | 2020 - Willamette Valley Reporting Region | | | | | | | | | | | | |
|---------------------------------|---|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI |
| A Loss of Supply - Transmission | 123,813 | 4 | 604,142 | 7,206 | 4.88 | 0.058 | 84 | 10 | 3,814,777 | 22,949 | 30.81 | 0.185 | 166 |
| B Loss of Supply - Substation | 123,813 | 1 | 685,481 | 2,531 | 5.54 | 0.020 | 271 | 1 | 685,481 | 2,531 | 5.54 | 0.020 | 271 |
| C Distribution - Equipment | 123,813 | 662 | 3,617,213 | 28,409 | 29.22 | 0.229 | 127 | 737 | 4,153,958 | 29,372 | 33.55 | 0.237 | 141 |
| D Distribution - Lightning | 123,813 | 5 | 2,865 | 37 | 0.02 | 0.000 | 77 | 65 | 1,377,409 | 3,828 | 11.12 | 0.031 | 360 |
| E Distribution - Planned | 123,813 | 1,290 | 3,593,373 | 25,733 | 29.02 | 0.208 | 140 | 1,364 | 6,036,619 | 32,972 | 48.76 | 0.266 | 183 |
| F Distribution - Public | 123,813 | 113 | 4,216,093 | 27,134 | 34.05 | 0.219 | 155 | 118 | 4,445,931 | 28,636 | 35.91 | 0.231 | 155 |
| G Distribution - Vegetation | 123,813 | 253 | 2,862,210 | 26,785 | 23.12 | 0.216 | 107 | 387 | 5,102,514 | 33,692 | 41.21 | 0.272 | 151 |
| H Distribution - Weather | 123,813 | 24 | 378,643 | 3,220 | 3.06 | 0.026 | 118 | 119 | 7,011,208 | 64,201 | 56.63 | 0.519 | 109 |
| I Distribution - Wildlife | 123,813 | 220 | 1,261,242 | 8,355 | 10.19 | 0.067 | 151 | 247 | 1,306,536 | 8,578 | 10.55 | 0.069 | 152 |
| J Distribution - Unknown | 123,813 | 218 | 1,482,621 | 22,020 | 11.97 | 0.178 | 67 | 245 | 1,522,807 | 22,525 | 12.30 | 0.182 | 68 |
| K Distribution - Other | 123,813 | 53 | 134,297 | 3,269 | 1.08 | 0.026 | 41 | 75 | 2,099,485 | 3,851 | 16.96 | 0.031 | 545 |
| Grand Total | 123,813 | 2,843 | 18,838,181 | 154,699 | 152.15 | 1.249 | 122 | 3,368 | 37,556,725 | 253,135 | 303.33 | 2.044 | 148 |

Willamette Valley Reporting Region Five-Year Cause Analysis

| OAR Cause | 2021 - Willamette Valley Reporting Region | | | | | | | | | | | | | |
|---------------------------------|---|--------------------------|------------------------------------|---------------------------------|---------------|--------------|------------|--------------------------|------------------------------------|---------------------------------|-----------------|--------------|------------|--|
| | Oregon Customer count | Major Event Excluded | | | | | | Major Event Included | | | | | | |
| | | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | Sustained Incident Count | Customer Minutes Lost for Incident | Customers In Incident Sustained | SAIDI | SAIFI | CAIDI | |
| A Loss of Supply - Transmission | 125,422 | 24 | 941,394 | 38,328 | 7.51 | 0.306 | 25 | 30 | 1,480,651 | 49,198 | 11.81 | 0.392 | 30 | |
| B Loss of Supply - Substation | 125,422 | 9 | 672,489 | 19,620 | 5.36 | 0.156 | 34 | 10 | 808,197 | 21,198 | 6.44 | 0.169 | 38 | |
| C Distribution - Equipment | 125,422 | 559 | 2,458,804 | 21,310 | 19.60 | 0.170 | 115 | 653 | 3,360,801 | 27,694 | 26.80 | 0.221 | 121 | |
| D Distribution - Lightning | 125,422 | - | - | - | - | - | - | - | - | - | - | - | - | |
| E Distribution - Planned | 125,422 | 1,371 | 3,930,222 | 30,012 | 31.34 | 0.239 | 131 | 1,496 | 7,774,477 | 40,985 | 61.99 | 0.327 | 190 | |
| F Distribution - Public | 125,422 | 146 | 6,864,149 | 31,019 | 54.73 | 0.247 | 221 | 150 | 6,971,831 | 31,530 | 55.59 | 0.251 | 221 | |
| G Distribution - Vegetation | 125,422 | 295 | 3,103,227 | 19,545 | 24.74 | 0.156 | 159 | 970 | 87,000,136 | 75,569 | 693.66 | 0.603 | 1,151 | |
| H Distribution - Weather | 125,422 | 26 | 21,121 | 127 | 0.17 | 0.001 | 166 | 315 | 43,415,233 | 29,470 | 346.15 | 0.235 | 1,473 | |
| I Distribution - Wildlife | 125,422 | 217 | 220,469 | 2,112 | 1.76 | 0.017 | 104 | 220 | 221,066 | 2,130 | 1.76 | 0.017 | 104 | |
| J Distribution - Unknown | 125,422 | 247 | 1,003,189 | 11,455 | 8.00 | 0.091 | 88 | 275 | 1,432,854 | 11,870 | 11.42 | 0.095 | 121 | |
| K Distribution - Other | 125,422 | 79 | 431,411 | 9,431 | 3.44 | 0.075 | 46 | 97 | 752,416 | 9,934 | 6.00 | 0.079 | 76 | |
| Fire Mitigation | 125,422 | 3 | 1,951 | 13 | 0.02 | 0.000 | 150 | 4 | 229,578 | 738 | 1.83 | 0.006 | 311 | |
| Grand Total | 125,422 | 2,976 | 19,648,427 | 182,972 | 156.66 | 1.459 | 107 | 4,220 | 153,447,240 | 300,316 | 1,223.45 | 2.394 | 511 | |



Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|--------------|---------------------|------------|--------------------------------------|------|------------------------|
| Central OR | BEND/REDMOND | BEND | 5D10 | PORTLAND AVE | 12.5 | 2,462 |
| Central OR | BEND/REDMOND | BEND | 5D11 | GLEN VISTA | 12.5 | 1,309 |
| Central OR | BEND/REDMOND | BEND | 5D12 | DIVISION ST. | 12.5 | 215 |
| Central OR | BEND/REDMOND | BEND | 5D196 | MALLARD | 12.5 | 1,412 |
| Central OR | BEND/REDMOND | BEND | CO08-1 | BEND-PILOT BUTTE-69KV | 69 | 0 |
| Central OR | BEND/REDMOND | BEND | CO09B | PENSTOCK-JUNIPER RIDGE(COID)-69KV | 69 | 0 |
| Central OR | BEND/REDMOND | BOND STREET | 5D411 | BACHELOR | 12.5 | 2,249 |
| Central OR | BEND/REDMOND | BOND STREET | 5D413 | OLD MILL | 12.5 | 390 |
| Central OR | BEND/REDMOND | BOND STREET | 5D418 | BLAKELY | 12.5 | 1,356 |
| Central OR | BEND/REDMOND | CHINA HAT | 5D140 | LAVA (CHINA HAT) | 12.5 | 2,340 |
| Central OR | BEND/REDMOND | CHINA HAT | 5D142 | HIGH DESERT | 12.5 | 1,721 |
| Central OR | BEND/REDMOND | CHINA HAT | 5D144 | D.R.W. | 12.5 | 2,548 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D30 | ARROWHEAD | 12.5 | 1,283 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D35 | WICKIUP | 12.5 | 1,066 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D38 | TOMAHAWK | 12.5 | 1,455 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D94 | TEEPEE | 12.5 | 3,926 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D96 | OBSIDIAN | 12.5 | 912 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D98 | HUCKLEBERRY | 12.5 | 1,181 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | CO11 | CLEVELAND-CHINA HAT-69KV | 69 | 0 |
| Central OR | BEND/REDMOND | COVE (OR) | CO20 | COVE-ROUND BUTTE(PGE)#1-230KV | 230 | 0 |
| Central OR | BEND/REDMOND | COVE (OR) | CO21 | COVE-ROUND BUTTE(PGE)#2-230KV | 230 | 0 |
| Central OR | BEND/REDMOND | CROOKED RIVER RANCH | 4D131 | CANYON | 20.8 | 1,816 |
| Central OR | BEND/REDMOND | CROOKED RIVER RANCH | 4D30 | CROOKED R.R. | 20.8 | 800 |
| Central OR | BEND/REDMOND | DESCHUTES | 5D184 | PRONGHORN | 12.5 | 1,135 |
| Central OR | BEND/REDMOND | DESCHUTES | 5D2 | DESCHUTES S | 12.5 | 1,036 |
| Central OR | BEND/REDMOND | HUNTERS CIRCLE | 5D192 | Mackinaw | 12.5 | 736 |
| Central OR | BEND/REDMOND | MIDPOINT | CO01-1 | MIDPOINT-HEMMINGWAY-500KV | 500 | 0 |
| Central OR | BEND/REDMOND | OVERPASS | 5D104 | AWBREY | 12.5 | 1,961 |
| Central OR | BEND/REDMOND | OVERPASS | 5D106 | NEZ PERCE | 12.5 | 2,716 |
| Central OR | BEND/REDMOND | OVERPASS | 5D120 | CHINOOK | 12.5 | 1,825 |
| Central OR | BEND/REDMOND | OVERPASS | 5D128 | PAIUTE | 12.5 | 2,232 |
| Central OR | BEND/REDMOND | OVERPASS | 5D155 | APACHE | 12.5 | 828 |
| Central OR | BEND/REDMOND | PILOT BUTTE | 5D261 | KLONDIKE | 12.5 | 1,524 |
| Central OR | BEND/REDMOND | PILOT BUTTE | 5D263 | DRAKE FEEDER | 12.5 | 2,533 |
| Central OR | BEND/REDMOND | PILOT BUTTE | 5D265 | DOBBIN | 12.5 | 1,718 |
| Central OR | BEND/REDMOND | PILOT BUTTE | CO09 | BEND-PILOT BUTTE-TAP TO REDMOND-69KV | 69 | 2 |
| Central OR | BEND/REDMOND | PILOT BUTTE | CO16 | PILOT BUTTE-CLEVELAND-69KV | 69 | 0 |
| Central OR | BEND/REDMOND | PILOT BUTTE | CO17 | PILOT BUTTE - CEC 69KV | 69 | 0 |
| Central OR | BEND/REDMOND | PILOT BUTTE | CO-1-BPA | PONDEROSA(BPA)-PILOT BUTTE-230KV | 230 | 0 |
| Central OR | BEND/REDMOND | PILOT BUTTE | CO-2-BPA | REDMOND(BPA)-PILOT BUTTE-230KV | 230 | 0 |
| Central OR | BEND/REDMOND | PILOT BUTTE | CO-3-BPA | LAPINE(BPA)-PILOT BUTTE-230KV | 230 | 0 |
| Central OR | BEND/REDMOND | REDMOND | 5D21 | SOUTH (REDMOND) | 12.5 | 838 |
| Central OR | BEND/REDMOND | REDMOND | 5D22 | INDUSTRIAL | 12.5 | 1,549 |
| Central OR | BEND/REDMOND | REDMOND | 5D223 | TETHEROW | 12.5 | 894 |
| Central OR | BEND/REDMOND | REDMOND | 5D226 | CLINE FALLS | 12.5 | 1,536 |
| Central OR | BEND/REDMOND | REDMOND | 5D227 | WINDSOR | 12.5 | 3,313 |
| Central OR | BEND/REDMOND | REDMOND | 5D228 | CITY | 12.5 | 1,307 |
| Central OR | BEND/REDMOND | REDMOND | 5D229 | JUNIPER | 12.5 | 429 |
| Central OR | BEND/REDMOND | REDMOND | CO006 | REDMOND-COVE-69KV | 69 | 1 |
| Central OR | BEND/REDMOND | REDMOND | CO03-1 | HOUSTON LAKE-REDMOND(BPA)-115KV | 115 | 0 |
| Central OR | BEND/REDMOND | REDMOND | CO03-3 | POWELL BUTTE-REDMOND-115KV | 115 | 0 |
| Central OR | BEND/REDMOND | REDMOND | CO06A | TAP TO CROOKED RIVER-69KV | 69 | 0 |
| Central OR | BEND/REDMOND | REDMOND | CO06B | TAP TO OPAL SPRINGS-69KV | 69 | 0 |
| Central OR | BEND/REDMOND | REDMOND | CO07 | REMOND-REDMOND BPA-69KV | 69 | 0 |
| Central OR | BEND/REDMOND | REDMOND BPA | CO02 | REDMOND BPA-REDMOND-115KV | 115 | 0 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|-------------------|-------------------|------------|---|------|------------------------|
| Central OR | BEND/REDMOND | SHEVLIN PARK | 5D238 | WOLVERINE (SHP) (WAS 5D327) | 12.5 | 2,810 |
| Central OR | BEND/REDMOND | SHEVLIN PARK | 5D241 | BADGER (SHP) | 12.5 | 2,839 |
| Central OR | BEND/REDMOND | SHEVLIN PARK | 5D243 | Black Bear | 12.5 | 1,878 |
| Central OR | BEND/REDMOND | SUMMER LAKE (BPA) | CO01-1A | SUMMER LAKE (BPA)-HEMMINGWAY-500KV | 500 | 0 |
| Central OR | BEND/REDMOND | YEW AVENUE | 5D322 | BIRDIE | 12.5 | 2,348 |
| Central OR | BEND/REDMOND | YEW AVENUE | 5D323 | FAIRWAY | 12.5 | 395 |
| Central OR | BEND/REDMOND | YEW AVENUE | 5D325 | EAGLE | 12.5 | 2,908 |
| Central OR | BEND/REDMOND | YEW AVENUE | CO18 | TAP TO YEW AVE-115KV | 115 | 0 |
| Central OR | MADRAS | CHERRY LANE | 5D295 | 7 PEAKS | 12.5 | 149 |
| Central OR | MADRAS | CHERRY LANE | CO05-2 | CHERRY LANE-WARM SPRINGS-69KV | 69 | 0 |
| Central OR | MADRAS | CORRAL | CO34 | CORRAL-FRIEND-230KV | 230 | 0 |
| Central OR | MADRAS | CORRAL | CO34-1 | CORRAL-OCHOCO-230KV | 230 | 0 |
| Central OR | MADRAS | CORRAL | CO35 | CORRAL-PONDEROSA(BPA)#1-230KV | 230 | 0 |
| Central OR | MADRAS | CORRAL | CO35-1 | CORRAL-PONDEROSA(BPA)#2-230KV | 230 | 0 |
| Central OR | MADRAS | CORRAL | CO36 | CORRAL-PONDEROSA-230KV | 230 | 0 |
| Central OR | MADRAS | COVE (OR) | CO005 | COVE-WARM SPRINGS-69KV | 69 | 1 |
| Central OR | MADRAS | COVE (OR) | CO012 | COVE-WARM SPRINGS-69KV | 69 | 1 |
| Central OR | MADRAS | COVE (OR) | CO05-1 | CHERRY LANE-COVE-69KV | 69 | 0 |
| Central OR | MADRAS | CULVER | 5D5 | CULVER | 12.5 | 1,857 |
| Central OR | MADRAS | MADRAS | 5D52 | MADRAS RURAL | 12.5 | 1,074 |
| Central OR | MADRAS | MADRAS | 5D53 | AGATE | 12.5 | 1,345 |
| Central OR | MADRAS | MADRAS | 5D57 | QUARTZ | 12.5 | 1,443 |
| Central OR | MADRAS | MADRAS | 5D61 | MADRAS CITY | 12.5 | 1,288 |
| Central OR | MADRAS | PONDEROSA-P | CO14-2 | BALDWIN ROAD-PONDEROSA-115KV | 115 | 0 |
| Central OR | MADRAS | PONDEROSA-P | CO14-3 | BALDWIN ROAD-PRINEVILLE-115KV | 115 | 0 |
| Central OR | MADRAS | PONDEROSA-P | CO14-4 | HOUSTON LAKE-PRINEVILLE-115KV | 115 | 0 |
| Central OR | MADRAS | PONDEROSA-P | CO19 | HOUSTON LAKE-PONDEROSA#2-115KV | 115 | 0 |
| Central OR | MADRAS | POWELL BUTTE | 5D1 | POWELL BUTTE | 12.5 | 665 |
| Central OR | MADRAS | PRINEVILLE | 5D126 | RIMROCK | 12.5 | 889 |
| Central OR | MADRAS | PRINEVILLE | 5D167 | NORTHVILLE | 12.5 | 2,756 |
| Central OR | MADRAS | PRINEVILLE | 5D25 | OCHOCO | 12.5 | 1,006 |
| Central OR | MADRAS | PRINEVILLE | 5D47 | MC KAY (PRINEVILLE) | 12.5 | 1,885 |
| Central OR | MADRAS | PRINEVILLE | 5D48 | LAMONTA | 12.5 | 633 |
| Central OR | MADRAS | PRINEVILLE | 5D50 | PINE CONE | 12.5 | 78 |
| Central OR | MADRAS | PRINEVILLE | 5D69 | GRIMES FLAT | 12.5 | 1,636 |
| Central OR | MADRAS | WARM SPRINGS | 4D68 | WARM SPRINGS (OR) | 20.8 | 986 |
| Central OR | MADRAS | WARM SPRINGS | CO05 | MADRAS-WARM SPRINGS-69KV | 69 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL01-3 | ASTORIA-TILLAMOOK-115KV | 115 | 1 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL01-3A | ASTORIA-WARRENTON TAP-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL01-3B | SEASIDE-WARRENTON TAP-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL01-3C | CANNON BEACH TAP-SEASIDE-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL01-3D | CANNON BEACH TAP-NEHALEM(TPUD)-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL01-3E | MOHLER(TPUD)-NEHALEM(TPUD)-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL01-3F | GARIBALDI(TPUD)-MOHLER(TPUD)-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL01-3G | GARIBALDI(TPUD)-TILLAMOOK(BPA)-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL01-4 | ASTORIA-DRISCOLL(BPA)-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL01-AST | ASTORIA SUB | 0 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL02 | LEWIS&CLARK-WARRENTON-WARRENTON TAP-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL04A | CANNON BEACH-CANNON BEACH TAP-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | ASTORIA | CL04B | CANNON BEACHTAP-NECANICUM(TPUD)-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | CANNON BEACH | 5A10 | HAYSTACK | 12.5 | 1,624 |
| CoastPlus | CLATSOP (ASTORIA) | CANNON BEACH | 5A8 | ECOLA | 12.5 | 1,215 |
| CoastPlus | CLATSOP (ASTORIA) | FERN HILL SUB | 5A51 | JOHN DAY | 12.5 | 270 |
| CoastPlus | CLATSOP (ASTORIA) | FERN HILL SUB | 5A52 | SCANDINAVIAN | 12.5 | 389 |
| CoastPlus | CLATSOP (ASTORIA) | KNAPPA SVENSEN | 5A92 | SVENSEN | 12.5 | 733 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|-------------------|------------------|------------|---|------|------------------------|
| CoastPlus | CLATSOP (ASTORIA) | KNAPPA SVENSEN | 5A93 | BRADWOOD | 12.5 | 934 |
| CoastPlus | CLATSOP (ASTORIA) | LEWIS & CLARK | CL03 | LEWIS & CLARK-CLATSOP-BPA-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | 5A80 | GROVE | 12.5 | 2,410 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | 5A81 | CENTRAL | 12.5 | 1,625 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | 5A82 | NECANICUM | 12.5 | 1,217 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | 5A83 | GEARHART | 12.5 | 3,420 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | CL01-SSD | SEASIDE SUB | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | WARRENTON | 5A15 | CITY | 12.5 | 280 |
| CoastPlus | CLATSOP (ASTORIA) | WARRENTON | 5A16 | MILL (WARRENTON) | 12.5 | 2,287 |
| CoastPlus | CLATSOP (ASTORIA) | WARRENTON | 5A20 | SOUTH (WARRENTON) | 12.5 | 1,742 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A202 | PORT DOCK | 12.5 | 1,184 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A204 | MOO COW | 12.5 | 1,185 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A205 | FIFTH STREET | 12.5 | 983 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A206 | YOUNGS BAY #6 | 12.5 | 329 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A210 | YOUNGS BAY #10 | 12.5 | 942 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A211 | OLNEY | 12.5 | 1,101 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A213 | INDUSTRIAL | 12.5 | 1,380 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | CL01-1 | YOUNGS BAY-ASTORIA-115KV | 115 | 0 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | CL01-YOU | YOUNGS BAY SUB | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | BANDON TIE (BPA) | L804 | BANDON | 20.8 | 759 |
| CoastPlus | COOS BAY/COQUILLE | COOS RIVER | 4C106 | COOS RIVER | 20.8 | 1,356 |
| CoastPlus | COOS BAY/COQUILLE | COOS RIVER | CB02-COO | COOS RIVER SUB | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | 4C41 | HENRY STREET | 20.8 | 1,684 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | 4C42 | TERRES HGHTS | 20.8 | 1,551 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | 4C43 | INDUSTRIAL | 20.8 | 151 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | CB02-4 | EMPIRE-RED DIKE TAP-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | CB02-5 | COQUILLE-NORWAY SW STATION-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | CB02-6 | MYRTLE POINT-NORWAY SW STATION-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | CB02-COQ | COQUILLE SUB | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | EMPIRE | 4C108 | EMPIRE | 20.8 | 1,747 |
| CoastPlus | COOS BAY/COQUILLE | EMPIRE | 4C89 | SCOTT | 20.8 | 1,443 |
| CoastPlus | COOS BAY/COQUILLE | EMPIRE | 4C90 | CHARLESTON | 20.8 | 2,097 |
| CoastPlus | COOS BAY/COQUILLE | EMPIRE | CB02-EMP | EMPIRE SUB | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | EMPIRE | CB03-2 | EMPIRE-STATE STREET-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | FAIRVIEW (BPA) | CB01 | FAIRVIEW-ISTHMUS-230KV | 230 | 0 |
| CoastPlus | COOS BAY/COQUILLE | FAIRVIEW (BPA) | CB02 | COQUILLE-LOCKHART-MYRTLE POINT-BPA FAIRVIEW-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | FAIRVIEW (BPA) | CB02-1 | COQUILLE-BPA FAIRVIEW115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | ISTHMUS | CB01-IST | ISTHMUS SUB | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | ISTHMUS | CB06 | ISTHMUS-LOCKHART-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | ISTHMUS | CB06-1 | COOS RIVER-ISTHMUS-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | JORDAN POINT | 5C11 | WEYCO#2 | 12.5 | 1 |
| CoastPlus | COOS BAY/COQUILLE | JORDAN POINT | 5C5 | MENASHA | 12.5 | 0 |
| CoastPlus | COOS BAY/COQUILLE | JORDAN POINT | 5C6 | SAND DUNES (JORDAN POINT) | 12.5 | 29 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C48 | CITY CENTER | 20.8 | 1,503 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C49 | EASTSIDE | 20.8 | 785 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C5 | GEORGIA-PAC | 20.8 | 89 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C50 | BUNKERHILL | 20.8 | 1,838 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C97 | ENGLEWOOD | 20.8 | 1,381 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | CB02-2 | COQUILLE-RED DIKE TAP-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | CB02-3 | LOCKHART-RED DIKE TAP-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | CB02-LHS | LOCKHART SUB | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | CB03 | EMPIRE-LOCKHART-SOUTH DUNES-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | CB03-1 | LOCKHART-STATE STREET-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | CB06-2 | COOS RIVER-LOCKHART-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | MYRTLE POINT | 4C36 | NORTH (MYRTLE POINT) | 20.8 | 336 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|-------------------|------------------------------------|------------|--|------|------------------------|
| CoastPlus | COOS BAY/COQUILLE | MYRTLE POINT | 4C37 | MAPLE STREET | 20.8 | 2,079 |
| CoastPlus | COOS BAY/COQUILLE | SOUTH DUNES | 5C9 | DOUGLAS CHIP | 12.5 | 3 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | 4C112 | WOODLAND | 20.8 | 1,810 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | 4C66 | BAYSHORE | 20.8 | 1,718 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | 4C67 | INDUSTRIAL | 20.8 | 2,220 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | 4C86 | BANGOR | 20.8 | 1,802 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | CB03-3 | JORDAN POINT-STATE STREET-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | CB03-4 | JORDAN POINT-SOUTH DUNES-115KV | 115 | 0 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | CB03-ST5 | STATE STREET SUB | 115 | 0 |
| CoastPlus | HOOD RIVER | GORDON HOLLOW | 4K1 | SHERMAN 208 | 20.8 | 711 |
| CoastPlus | HOOD RIVER | GORDON HOLLOW | VVW13-1 | DEMOSS(BPA)-GORDON HOLLOW-69KV | 69 | 0 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K37 | RESIDENTIAL | 12.5 | 2,111 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K43 | BELMONT | 12.5 | 1,214 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K44 | NORTH (HOOD RIVER) | 12.5 | 1,809 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K70 | EASTSIDE | 7.2 | 1,065 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K74 | SOUTH (HOOD RIVER) | 12.5 | 1,599 |
| CoastPlus | HOOD RIVER | KENWOOD | 5K50 | OAKGROVE | 12.5 | 806 |
| CoastPlus | HOOD RIVER | POWERDALE JUNCTION SWITCHYARD 69KV | HR03-1 | POWERDALE JUNCTION-BALD MOUNTAIN(BPA)-69KV | 69 | 0 |
| CoastPlus | HOOD RIVER | TUCKER | HR01 | TUCKER-POWERDALE-69KV | 69 | 0 |
| CoastPlus | HOOD RIVER | TUCKER | HR04 | TUCKER-POWERDALE-69KV | 69 | 2 |
| CoastPlus | HOOD RIVER | WASCO | 7K1 | WASCO | 4.1 | 278 |
| CoastPlus | LINCOLN CITY | BOYER | LC01 | BOYER-DEVILS LAKE #1-115KV | 115 | 0 |
| CoastPlus | LINCOLN CITY | BOYER | LC01-A | BOYER-GRAND RONDE(PGE)-115KV | 115 | 0 |
| CoastPlus | LINCOLN CITY | BOYER | LC01-BOY | BOYER SUB | 115 | 0 |
| CoastPlus | LINCOLN CITY | BOYER | LC02 | BOYER-DEVILS LAKE #2-115KV | 115 | 0 |
| CoastPlus | LINCOLN CITY | BOYER | LC03 | BOYER-TILLAMOOK(BPA)-115KV | 115 | 0 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | 4A310 | INLAND FEEDER | 20.8 | 1,917 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | 4A312 | OCEAN | 20.8 | 3,015 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | 4A316 | LAKE (DEVILS LAKE) | 20.8 | 4,316 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | 4A338 | SIUSLAW | 20.8 | 664 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | LC01-DVK | DEVILS LAKE SUB | 115 | 0 |
| CoastPlus | LINCOLN CITY | GLENEDEN | 7A364 | GLENEDEN | 4.1 | 712 |
| CoastPlus | LINCOLN CITY | GLENEDEN | 7A366 | SALISHAN | 4.1 | 360 |
| CoastPlus | LINCOLN CITY | NELSCOTT | 7A390 | NELSCOTT | 4.1 | 354 |
| CoastPlus | LINCOLN CITY | PGE GRAND RONDE | R114 | BOYER | 12 | 19 |
| CoastPlus | LINCOLN CITY | WECOMA BEACH | 7A354 | WECOMA | 4.1 | 723 |
| CoastPlus | PORTLAND | ALBINA | 5P111 | ALBINA 11C01-UG | 11.7 | 607 |
| CoastPlus | PORTLAND | ALBINA | 5P150 | ALBINA 11C15 | 11.7 | 135 |
| CoastPlus | PORTLAND | ALBINA | 5P194 | 11C24-UG | 11.7 | 237 |
| CoastPlus | PORTLAND | ALBINA | 5P196 | 11C16-UG | 11.7 | 544 |
| CoastPlus | PORTLAND | ALBINA | 5P200 | 11C20-UG | 11.7 | 465 |
| CoastPlus | PORTLAND | ALBINA | 5P66 | 11C25 | 11.7 | 0 |
| CoastPlus | PORTLAND | ALBINA | 5P91 | 11C11-UG | 11.7 | 316 |
| CoastPlus | PORTLAND | ALBINA | 5P92 | 11C12-UG | 11.7 | 160 |
| CoastPlus | PORTLAND | ALBINA | P12-2 | ALBINA-KNOTT-115KV | 115 | 0 |
| CoastPlus | PORTLAND | ALDERWOOD 115/12.5 | 5P22 | ALDERWOOD #2 | 12.5 | 201 |
| CoastPlus | PORTLAND | ALDERWOOD 115/12.5 | 5P23 | ALDERWOOD #1-UG | 12.5 | 0 |
| CoastPlus | PORTLAND | ALDERWOOD 115/12.5 | 5P33 | ALDERWOOD #4 | 12.5 | 181 |
| CoastPlus | PORTLAND | ALDERWOOD 115/12.5 | 5P604 | ALDERWOOD #3 | 12.5 | 197 |
| CoastPlus | PORTLAND | ALDERWOOD 115/12.5 | P19-1 | ALDERWOOD-KILLINGSWORTH-69KV | 69 | 0 |
| CoastPlus | PORTLAND | ALDERWOOD 115/12.5 | P19-2 | ALDERWOOD-TROUTDALE-69KV | 69 | 0 |
| CoastPlus | PORTLAND | BLOSS | 5P170 | OFFICE | 12.5 | 0 |
| CoastPlus | PORTLAND | BLOSS | 5P172 | FURNACE | 12.5 | 1 |
| CoastPlus | PORTLAND | BPA ST JOHNS | P10-2 | BPA ST JOHNS-ST JOHNS-115KV | 115 | 0 |
| CoastPlus | PORTLAND | BPA ST JOHNS | P11 | ST JOHNS-KNOTT-115KV | 115 | 0 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|--------------|-----------------|------------|--------------------------------------|------|------------------------|
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P266 | COLUMBIA #2 | 12.5 | 2,629 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P268 | COLUMBIA #1 | 12.5 | 357 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P474 | COLUMBIA #6 | 12.5 | 546 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P476 | COLUMBIA #3 | 12.5 | 865 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P478 | COLUMBIA #4 | 12.5 | 1,140 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P480 | COLUMBIA #5 | 12.5 | 22 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | P23 | COLUMBIA-KNOTT-57KV (OR) | 57 | 0 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | P25 | COLUMBIA-KILLINGSWORTH-69KV | 57 | 0 |
| CoastPlus | PORTLAND | CULLY | 5P288 | CULLY #3-UG | 12.5 | 817 |
| CoastPlus | PORTLAND | CULLY | 5P290 | CULLY #2 | 12.5 | 2,424 |
| CoastPlus | PORTLAND | CULLY | 5P292 | CULLY #1 | 12.5 | 2,941 |
| CoastPlus | PORTLAND | CULLY | P14-1 | CULLY-PARKROSE TAP-115KV | 115 | 0 |
| CoastPlus | PORTLAND | CULLY | P14-2 | PARKROSE TAP-HEMLOCK-TROUTDALE-115KV | 115 | 0 |
| CoastPlus | PORTLAND | CULLY | P14-3 | CULLY-HOLLYWOOD-115KV | 115 | 0 |
| CoastPlus | PORTLAND | HARRISON | P17 | HARRISON-PGE EASTPORT-115KV | 115 | 0 |
| CoastPlus | PORTLAND | HARRISON | P18 | HARRISON-LINCOLN-115KV | 115 | 0 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | 5P145 | HOLLADAY #1-UG | 11.7 | 206 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | 5P146 | HOLLADAY #2-UG | 11.7 | 343 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | 5P147 | HOLLADAY #3-UG | 11.7 | 166 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | 5P156 | HOLLADAY #4-UG | 11.7 | 792 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | 5P157 | HOLLADAY #5-UG | 11.7 | 129 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | 5P158 | HOLLADAY #6 | 11.7 | 914 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | P13 | HOLLADAY-HARRISON-115KV | 115 | 0 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | P13-1 | HOLLADAY-KNOTT-115KV | 115 | 0 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P203 | HOLLYWOOD #3 | 12.5 | 1,475 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P204 | HOLLYWOOD #2 | 12.5 | 672 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P205 | HOLLYWOOD #1 | 12.5 | 2,226 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P208 | HOLLYWOOD #5 | 12.5 | 3,451 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P209 | HOLLYWOOD #4 | 12.5 | 2,362 |
| CoastPlus | PORTLAND | KENNEDY | 5P12 | CB 5P12 | 12.5 | 0 |
| CoastPlus | PORTLAND | KENNEDY | 5P14 | CB 5P14 | 12.5 | 0 |
| CoastPlus | PORTLAND | KENNEDY | 5P15 | CB 5P15 | 12.5 | 0 |
| CoastPlus | PORTLAND | KILLINGSWORTH | 5P123 | KILLINGSWORTH #3 | 12.5 | 320 |
| CoastPlus | PORTLAND | KILLINGSWORTH | 5P217 | KILLINGSWORTH #5 | 12.5 | 434 |
| CoastPlus | PORTLAND | KILLINGSWORTH | 5P41 | KILLINGSWORTH #4 | 12.5 | 2,871 |
| CoastPlus | PORTLAND | KILLINGSWORTH | 5P88 | KILLINGSWORTH #1-UG | 12.5 | 0 |
| CoastPlus | PORTLAND | KILLINGSWORTH | 5P89 | KILLINGSWORTH #2 | 12.5 | 3,196 |
| CoastPlus | PORTLAND | KNOTT | 5P231 | KNOTT #1 | 12.5 | 524 |
| CoastPlus | PORTLAND | KNOTT | 5P232 | KNOTT #2 | 12.5 | 2,762 |
| CoastPlus | PORTLAND | KNOTT | 5P233 | KNOTT #3 | 12.5 | 2,270 |
| CoastPlus | PORTLAND | KNOTT | 5P366 | 11010 | 11.7 | 57 |
| CoastPlus | PORTLAND | KNOTT | 5P368 | 11022 | 11.7 | 17 |
| CoastPlus | PORTLAND | KNOTT | 5P372 | 11046 | 11.7 | 792 |
| CoastPlus | PORTLAND | KNOTT | 5P374 | 11020 | 11.7 | 993 |
| CoastPlus | PORTLAND | KNOTT | P14-4 | HOLLYWOOD-KNOTT-115KV | 115 | 0 |
| CoastPlus | PORTLAND | KNOTT | P26 | KNOTT-PARKROSE-57KV | 57 | 1 |
| CoastPlus | PORTLAND | KNOTT | P26-1 | KNOTT-SW3P278-57KV | 57 | 0 |
| CoastPlus | PORTLAND | KNOTT | P26-2 | SW3P214-SW3P208-57KV | 57 | 1 |
| CoastPlus | PORTLAND | KNOTT | P26-3 | SW3P278-SW3P214-57KV | 57 | 0 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P418 | 11D17 | 11.7 | 133 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P420 | 11D14 | 11.7 | 23 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P422 | 11D06-UG | 11.7 | 938 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P424 | 11D03-UG | 11.7 | 28 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P426 | 11D04-UG | 11.7 | 320 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P430 | 11D05-UG | 11.7 | 368 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|--------------|---------------------|------------|------------------------------------|------|------------------------|
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P432 | 11D02-UG | 11.7 | 681 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P434 | 11D12-UG | 11.7 | 15 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P436 | 11G18-UG | 11.7 | 95 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P438 | 11D08-UG | 11.7 | 16 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P456 | 11D09-UG | 11.7 | 182 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P458 | 11D07-UG | 11.7 | 217 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P460 | 11D01-UG | 11.7 | 1 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P462 | 11G13-UG | 11.7 | 35 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P464 | 11G16-UG | 11.6 | 169 |
| CoastPlus | PORTLAND | LINCOLN (OR) | P16 | LINCOLN-URBAN-115KV | 115 | 1 |
| CoastPlus | PORTLAND | MALLORY | 5P162 | MALLORY #1 | 12.8 | 2,322 |
| CoastPlus | PORTLAND | MALLORY | 5P164 | MALLORY #2 | 12.8 | 4,033 |
| CoastPlus | PORTLAND | MERWIN | P08 | MERWIN-BPA CARDWELL-115KV | 115 | 1 |
| CoastPlus | PORTLAND | MERWIN | P09 | MERWIN-YALE-115KV | 115 | 1 |
| CoastPlus | PORTLAND | MERWIN | P10-1 | MERWIN-ST JOHNS-115KV | 115 | 0 |
| CoastPlus | PORTLAND | MERWIN | P-GEN1 | MERWIN #1-MERWIN-115KV | 115 | 0 |
| CoastPlus | PORTLAND | MERWIN | P-GEN2 | MERWIN #2-MERWIN-115KV | 115 | 0 |
| CoastPlus | PORTLAND | MERWIN | P-GEN3 | MERWIN #3-MERWIN-115KV | 115 | 0 |
| CoastPlus | PORTLAND | PARKROSE | 5P244 | PARKROSE#4 | 12.5 | 3,115 |
| CoastPlus | PORTLAND | PARKROSE | 5P246 | PARKROSE#3 | 12.5 | 3,093 |
| CoastPlus | PORTLAND | PARKROSE | 5P250 | PARKROSE#2 | 12.5 | 648 |
| CoastPlus | PORTLAND | PARKROSE | 5P252 | PARKROSE#1 | 12.5 | 1,795 |
| CoastPlus | PORTLAND | PARKROSE | 5P717 | PARKROSE 5 | 12.5 | 65 |
| CoastPlus | PORTLAND | PARKROSE | 5P728 | PARKROSE 6 | 12.5 | 0 |
| CoastPlus | PORTLAND | RUSSELLVILLE | 5P274 | RUSSELLVILLE #3 | 12.5 | 3,117 |
| CoastPlus | PORTLAND | RUSSELLVILLE | 5P276 | RUSSELLVILLE #4 | 12.5 | 2,476 |
| CoastPlus | PORTLAND | RUSSELLVILLE | 5P278 | RUSSELLVILLE #1 | 12.5 | 3,325 |
| CoastPlus | PORTLAND | RUSSELLVILLE | 5P280 | RUSSELLVILLE #2 | 12.5 | 1,261 |
| CoastPlus | PORTLAND | SWIFT | P-GEN4 | SWIFT UNIT #1-SWIFT-230KV | 230 | 0 |
| CoastPlus | PORTLAND | SWIFT | P-GEN5 | SWIFT UNIT #2-SWIFT-230KV | 230 | 0 |
| CoastPlus | PORTLAND | TROUTDALE | P14 | TROUTDALE-KNOTT-115KV | 115 | 0 |
| CoastPlus | PORTLAND | TROUTDALE | P22-1 | TROUTDALE-LADY-SUB #8-69KV | 69 | 0 |
| CoastPlus | PORTLAND | TROUTDALE | P22-2 | TROUTDALE-JAMES RIV WEST-69KV | 69 | 1 |
| CoastPlus | PORTLAND | TROUTDALE | P22-3 | TROUTDALE-JAMES RIV EAST-69KV | 69 | 0 |
| CoastPlus | PORTLAND | TROUTDALE | P34 | TROUTDALE-CPU RUNYAN-115KV | 115 | 0 |
| CoastPlus | PORTLAND | TROUTDALE TIE (BPA) | P03 | BPA TROUTDALE-PGE GRESHAM-230KV | 230 | 0 |
| CoastPlus | PORTLAND | TROUTDALE TIE (BPA) | P04 | BPA TROUTDALE-PGE LINNEMAN-230KV | 230 | 0 |
| CoastPlus | PORTLAND | VERNON | 5P391 | VERNON #1 | 12.5 | 1,796 |
| CoastPlus | PORTLAND | VERNON | 5P392 | VERNON NO. 2 | 12.5 | 2,612 |
| CoastPlus | PORTLAND | VERNON | 5P393 | VERNON #3 | 12.5 | 5,202 |
| CoastPlus | PORTLAND | VERNON | 5P394 | VERNON # 4 | 12.5 | 3,508 |
| CoastPlus | PORTLAND | VERNON | 5P395 | VERNON # 5 | 12.5 | 2,278 |
| CoastPlus | PORTLAND | YALE | 5P53 | YALE VILLAGE | 12.5 | 0 |
| Northeast | ENTERPRISE | ENTERPRISE (OR) | 4W8 | CREIGHTON LN | 20.8 | 1,494 |
| Northeast | ENTERPRISE | ENTERPRISE (OR) | 5W15 | CITY | 12.5 | 952 |
| Northeast | ENTERPRISE | ENTERPRISE (OR) | 5W26 | RURAL (ENTERPRISE) | 12.5 | 1,097 |
| Northeast | ENTERPRISE | ENTERPRISE (OR) | WW07 | ENTERPRISE-ELGIN-69KV | 69 | 0 |
| Northeast | ENTERPRISE | ENTERPRISE (OR) | WW07A | TAP TO MINAM-69KV | 69 | 0 |
| Northeast | ENTERPRISE | HURRICANE (OR) | WW01-2 | HURRICANE-HELLS CANYON(IPCO)-230KV | 230 | 0 |
| Northeast | ENTERPRISE | HURRICANE (OR) | WW08 | HURRICANE-ENTERPRISE-69KV | 69 | 0 |
| Northeast | ENTERPRISE | JOSEPH | 5W21 | PRAIRIE | 12.5 | 856 |
| Northeast | ENTERPRISE | MINAM | 5W18 | MINAM | 12.5 | 13 |
| Northeast | ENTERPRISE | PALLETTE | 4W14 | PALLETTE NORTH | 19.9 | 175 |
| Northeast | ENTERPRISE | PALLETTE | 4W15 | PALLETTE SOUTH | 19.9 | 57 |
| Northeast | ENTERPRISE | WALLOWA | 5W28 | CITY | 12.5 | 887 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|--------------|-----------------|------------|---------------------------------|-------|------------------------|
| Northeast | HERMISTON | ARLINGTON | 5K25 | ARLINGTON | 12.5 | 516 |
| Northeast | HERMISTON | BLALOCK | 5K40 | BLALOCK | 12.5 | 21 |
| Northeast | HERMISTON | COLD SPRINGS | WW16 | COLD SPRINGS-HERMISTON-69KV | 69 | 0 |
| Northeast | HERMISTON | CREEK | 4K30 | WILLOW CREEK | 34.5 | 0 |
| Northeast | HERMISTON | CREEK | WW13 | WILLOW CREEK-BPA DEMOSS-69KV | 69 | 0 |
| Northeast | HERMISTON | DALREED | 4K16 | WILLOW COVE | 34.5 | 70 |
| Northeast | HERMISTON | DALREED | 4K36 | SIMTAG | 34.5 | 21 |
| Northeast | HERMISTON | DALREED | 4K46 | BOEING | 34.5 | 178 |
| Northeast | HERMISTON | HERMISTON | 5W602 | RURAL (HERMISTON) | 12.5 | 1,407 |
| Northeast | HERMISTON | HERMISTON | WW14-1 | HERMISTON-HINKLE-69KV | 69 | 0 |
| Northeast | HERMISTON | HINKLE | 5W82 | MEADOWS | 12.5 | 380 |
| Northeast | HERMISTON | MCNARY (BPA) | WW15 | BPA MCNARY-HERMISTON-69KV | 69 | 0 |
| Northeast | HERMISTON | UMATILLA | 5W658 | UMATILLA | 12.5 | 1,308 |
| Northeast | HERMISTON | UMATILLA | 5W660 | MCNARY | 12.5 | 945 |
| Northeast | HERMISTON | UMATILLA | 5W664 | PORT FEEDER | 12.5 | 60 |
| Northeast | PENDLETON | ATHENA | 5W703 | CITY | 12.5 | 850 |
| Northeast | PENDLETON | ATHENA | 5W705 | HELIX | 12.5 | 425 |
| Northeast | PENDLETON | BUCKAROO | 5W201 | STATE HOSP. | 12.5 | 389 |
| Northeast | PENDLETON | BUCKAROO | 5W202 | REITH | 12.5 | 1,558 |
| Northeast | PENDLETON | BUCKAROO | 5W203 | MONTEE | 12.5 | 1,771 |
| Northeast | PENDLETON | HERMISTON | WW14 | HERMISTON-PENDLETON-69KV | 69 | 0 |
| Northeast | PENDLETON | MCKAY (OR) | 5W856 | MCKAY | 12.47 | 0 |
| Northeast | PENDLETON | MCKAY (OR) | 5W857 | WILDHORSE | 12.47 | 0 |
| Northeast | PENDLETON | PENDLETON | 5W401 | WEST HILLS | 12.5 | 1,671 |
| Northeast | PENDLETON | PENDLETON | 5W402 | HARRIS HTS | 12.5 | 2,074 |
| Northeast | PENDLETON | PENDLETON | 5W403 | MISSION | 12.5 | 1,048 |
| Northeast | PENDLETON | PENDLETON | 7W451 | BUSINESS | 4.1 | 273 |
| Northeast | PENDLETON | PENDLETON | 7W452 | NORTHWEST | 4.1 | 531 |
| Northeast | PENDLETON | PENDLETON | 7W453 | SOUTHWEST (PENDELTON) | 4.1 | 333 |
| Northeast | PENDLETON | PENDLETON | 7W454 | EAST END | 4.1 | 242 |
| Northeast | PENDLETON | PENDLETON | WW09-2 | PENDLETON-WESTON-69KV | 69 | 0 |
| Northeast | PENDLETON | PENDLETON | WW10 | PENDLETON-BPA ROUNDUP-69KV | 69 | 0 |
| Northeast | PENDLETON | PENDLETON | WW12 | PENDLETON-BPA ROUNDUP-69KV | 69 | 0 |
| Northeast | PENDLETON | PILOT ROCK | 5W404 | MILL (PILOT ROCK) | 12.5 | 1 |
| Northeast | PENDLETON | PILOT ROCK | 5W406 | PILOT ROCK CITY | 12.5 | 1,402 |
| Northeast | PENDLETON | ROUNDUP (BPA) | WW11 | BPA ROUNDUP-PILOT ROCK-69KV | 69 | 0 |
| Northeast | PENDLETON | WESTON NEW (OR) | 5W40 | WESTON CANNERY | 12.5 | 15 |
| Northeast | PENDLETON | WESTON NEW (OR) | 5W7 | SCOTTS FEEDER | 12.5 | 453 |
| Northeast | WALLA WALLA | UMAPINE | 5W105 | UMAPINE FEEDER | 12.5 | 968 |
| Northeast | WALLA WALLA | UMAPINE | 5W106 | FERNDALE | 12.5 | 1,352 |
| Southern OR | GRANTS PASS | AGNESS AVE | 5R172 | SPALDING MILL | 12.5 | 889 |
| Southern OR | GRANTS PASS | AGNESS AVE | 5R173 | JONES CREEK | 12.5 | 884 |
| Southern OR | GRANTS PASS | AGNESS AVE | 5R322 | ANTEATER | 12.5 | 1,004 |
| Southern OR | GRANTS PASS | APPLEGATE | 5R267 | MURPHY | 12.5 | 1,060 |
| Southern OR | GRANTS PASS | APPLEGATE | 5R278 | HIGHWAY | 12.5 | 1,331 |
| Southern OR | GRANTS PASS | APPLEGATE | R02-3 | APPLEGATE-CAVE JUNCTION-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | APPLEGATE | R23-2 | APPLEGATE-HUMBUG CREEK-69KV | 69 | 0 |
| Southern OR | GRANTS PASS | APPLEGATE | R23-21 | APPLEGATE-PROVOLT-69KV | 69 | 0 |
| Southern OR | GRANTS PASS | APPLEGATE | R23-22 | PROVOLT-HUMBUG CREEK-69KV | 69 | 0 |
| Southern OR | GRANTS PASS | APPLEGATE | R23-A | TAP TO PROVOLT-69KV | 69 | 0 |
| Southern OR | GRANTS PASS | BEACON | 5R104 | SAVAGE ST | 12.5 | 1,277 |
| Southern OR | GRANTS PASS | BEACON | 5R105 | BEACON ST | 12.5 | 848 |
| Southern OR | GRANTS PASS | CAVE JUNCTION | 5R52 | FREE& EASY | 12.5 | 2,454 |
| Southern OR | GRANTS PASS | CAVE JUNCTION | 5R53 | ROUGH &READY | 12.5 | 1,545 |
| Southern OR | GRANTS PASS | CAVE JUNCTION | R02 | CAVE JUNCTION-GRANTS PASS-115KV | 115 | 0 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|--------------|---------------------|------------|------------------------------------|------|------------------------|
| Southern OR | GRANTS PASS | CAVE JUNCTION | R02-2 | CAVE JCTN-DEL NORTE-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | CAVE JUNCTION | R04 | CAVE JCTN-DEL NORTE-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | CAVE JUNCTION | R04-1 | CAVE JCTN-O BRIEN-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | CAVE JUNCTION | R04-2 | O BRIEN-PATRICK CREEK-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | CAVE JUNCTION | S15 | CAVE JCTN-HAPPY CAMP-69KV | 69 | 0 |
| Southern OR | GRANTS PASS | CAVEMAN | 5R295 | QUAIL | 12.5 | 1,122 |
| Southern OR | GRANTS PASS | CAVEMAN | 5R82 | WASHINGTON | 12.5 | 1,207 |
| Southern OR | GRANTS PASS | CAVEMAN | 5R98 | MANZANITA | 12.5 | 575 |
| Southern OR | GRANTS PASS | CAVEMAN | 5R99 | CAVEMAN | 12.5 | 1,213 |
| Southern OR | GRANTS PASS | DOWELL | 5R330 | DOWELL CB 5R330 | 12.5 | 0 |
| Southern OR | GRANTS PASS | DOWELL | 5R331 | DOVE | 12.5 | 1,499 |
| Southern OR | GRANTS PASS | DOWELL | 5R334 | DUCK | 12.5 | 2,552 |
| Southern OR | GRANTS PASS | EASY VALLEY | 5R123 | G STREET | 12.5 | 2,212 |
| Southern OR | GRANTS PASS | EASY VALLEY | 5R125 | ROGUE | 12.5 | 1,809 |
| Southern OR | GRANTS PASS | EASY VALLEY | 5R259 | CHINOOK | 12.5 | 1,343 |
| Southern OR | GRANTS PASS | FIELDER CREEK | 4R33 | ELK FDR. | 20.8 | 1,849 |
| Southern OR | GRANTS PASS | FIELDER CREEK | 4R34 | BEAR FDR | 20.8 | 865 |
| Southern OR | GRANTS PASS | GLENDALE SUBSTATION | 5R133 | GLENDALE | 12.5 | 1,884 |
| Southern OR | GRANTS PASS | GLENDALE SUBSTATION | 5R143 | INDUSTRIAL | 12.5 | 657 |
| Southern OR | GRANTS PASS | GLENDALE SUBSTATION | BB08-3 | GLENDALE-HANNA TAP-230KV | 230 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | BB08-4 | GRANTS PASS-GLENDALE-230KV | 230 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | BB13-2 | GRANTS PASS-WHETSTONE-230KV | 230 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R01-B | GRANTS PASS-WHITE CITY-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R02-1 | APPLEGATE-GRANTS PASS-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R03 | GRANTS PASS-CAVE JCTN-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R03-1 | GRANTS PASS-PARK DALE JCT-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R03-2 | JEROME PRAIRIE-PARK DALE JCT-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R03-3 | JEROME PRAIRIE-SELMA-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R03-4 | CAVE JCTN-SELMA-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R06 | DOWELL-GRANTS PASS-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R06-1 | AGNESS AVE-GRANTS PASS-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R06-2 | AGNESS AVE-PARK ST-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R06-3 | PARK ST-PARK DALE JCT-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R06-4 | DOWELL-PARK DALE JCT-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R1 | GRANTS PASS-WHETSTONE-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R1-1 | GRANTS PASS-FIELDER CREEK-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R13 | GRANTS PASS-TOLO-69KV | 69 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R13-1 | GRANTS PASS-ROGUE RIVER-69KV | 69 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R13-6 | GRANTS PASS-SAVAGE RAPIDS-69KV | 69 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R13-7 | ROGUE RIVER-SAVAGE RAPIDS-69KV | 69 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R24 | GRANTS PASS-BEACON-69KV | 69 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R7 | DOWELL-GRANTS PASS 2-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R7-1 | CAVEMAN-GRANTS PASS-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R7-2 | CAVEMAN-MERLIN-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R7-3 | EASY VALLEY-MERLIN-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | GRANTS PASS | R7-4 | DOWELL-EASY VALLEY-115KV | 115 | 0 |
| Southern OR | GRANTS PASS | JEROME PRAIRIE | 5R62 | WILD PRAIRIE | 12.5 | 1,643 |
| Southern OR | GRANTS PASS | JEROME PRAIRIE | 5R63 | WOOD RIVER | 12.5 | 1,610 |
| Southern OR | GRANTS PASS | MERLIN | 5R232 | MERLIN-HUGO | 12.5 | 1,024 |
| Southern OR | GRANTS PASS | MERLIN | 5R234 | PARADISE | 12.5 | 1,208 |
| Southern OR | GRANTS PASS | MERLIN | 5R248 | PLEASANT VALLEY-MERLIN FEEDER | 12.5 | 1,139 |
| Southern OR | GRANTS PASS | MERLIN | 5R251 | BADGER | 12.5 | 931 |
| Southern OR | GRANTS PASS | MERLIN | 5R288 | MONARCH | 12.5 | 1,758 |
| Southern OR | GRANTS PASS | OBRIEN | 5R106 | O'BRIEN | 12.5 | 430 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R114 | FRUITDALE | 12.5 | 2,203 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|---------------|--------------------|------------|---|------|------------------------|
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R115 | ALLEN CREEK | 12.5 | 1,004 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R121 | NEW HOPE | 12.5 | 2,181 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R164 | EXPRESS | 12.5 | 322 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R169 | PORTOLA | 12.5 | 1,401 |
| Southern OR | GRANTS PASS | PROVOLT | 5R67 | NORTH-SOUTH | 12.5 | 1,456 |
| Southern OR | GRANTS PASS | ROGUE RIVER | 5R77 | SAVAGE/WIMER | 12.5 | 1,885 |
| Southern OR | GRANTS PASS | ROGUE RIVER | 5R78 | ROCKY POINT (ROGUE RIVER) | 12.5 | 1,065 |
| Southern OR | GRANTS PASS | ROGUE RIVER | R13-3 | GOLD HILL-ROGUE RIVER-69KV | 69 | 0 |
| Southern OR | GRANTS PASS | SELMA | 5R65 | DEER CREEK | 12.5 | 1,204 |
| Southern OR | KLAMATH FALLS | BEATTY | 5L1 | BEATTY | 12.5 | 384 |
| Southern OR | KLAMATH FALLS | BLY | 5L14 | TOWN (BLY) | 12.5 | 422 |
| Southern OR | KLAMATH FALLS | BOISE CASCADE | 7L9 | BOISE CASCAD | 4.1 | 1 |
| Southern OR | KLAMATH FALLS | BONANZA (OR) | 5L7 | POE VALLEY | 12.5 | 475 |
| Southern OR | KLAMATH FALLS | BRYANT | 5L2 | GARY STREET | 12.5 | 2,148 |
| Southern OR | KLAMATH FALLS | BRYANT | 5L3 | WASHBURN | 12.5 | 1,823 |
| Southern OR | KLAMATH FALLS | BRYANT | 5L4 | SUMMERS LANE | 12.5 | 1,960 |
| Southern OR | KLAMATH FALLS | BRYANT | 5L5 | MOYINA HTS. | 12.5 | 2,474 |
| Southern OR | KLAMATH FALLS | CAPTAIN JACK (BPA) | BB02-1A | KLAMATH COGEN-SNOW GOOSE-500KV | 500 | 0 |
| Southern OR | KLAMATH FALLS | CAPTAIN JACK (BPA) | BB02-1B | CAPTAIN JACK(BPA)-SNOW GOOSE-500KV | 500 | 0 |
| Southern OR | KLAMATH FALLS | CASEBEER SUB | 4L16 | LANGELL VLY | 20.8 | 1,168 |
| Southern OR | KLAMATH FALLS | CHILOQUIN | 5L57 | CRATER LAKE | 12 | 1,032 |
| Southern OR | KLAMATH FALLS | CHILOQUIN | BB04-1 | KLAMATH FALLS-CHILOQUIN-230KV | 230 | 0 |
| Southern OR | KLAMATH FALLS | CHILOQUIN | BB04-2 | CHILOQUIN-LA PINE-230KV | 230 | 0 |
| Southern OR | KLAMATH FALLS | CHILOQUIN | K02 | CHILOQUIN-MILE HI-115KV | 115 | 0 |
| Southern OR | KLAMATH FALLS | CHILOQUIN | K02-1 | CHILOQUIN-FISH HOLE-115KV | 115 | 0 |
| Southern OR | KLAMATH FALLS | CHILOQUIN | K02-2 | FISH HOLE-MILE HI-115KV | 115 | 0 |
| Southern OR | KLAMATH FALLS | CHILOQUIN | K11 | CHILOQUIN-CHILOQUIN MARKET-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | CHILOQUIN | K11-1 | BOISE CASCADE-CHILOQUIN-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | CHILOQUIN | K11-2 | BOISE CASCADE-MODOC-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | CHILOQUIN | K11-3 | CHILOQUIN MARKET-MODOC-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | CHILOQUIN MRKT | 5L37 | WILLIAMSON | 12.5 | 571 |
| Southern OR | KLAMATH FALLS | DAIRY | 5L42 | SWAN LAKE | 12.5 | 260 |
| Southern OR | KLAMATH FALLS | DAIRY | 5L43 | DAIRY | 12.5 | 494 |
| Southern OR | KLAMATH FALLS | DORRIS | K10 | DORRIS-TUNNEL TAP-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | FISHHOLE | K05-4 | BONANZA TAP-FISHHOLE-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | FISHHOLE | K05-4A | BONANZA TAP-SPRAGUE RIVER-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | FISHHOLE | K05-4B | BEATTY-SPRAGUE RIVER-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | FISHHOLE | K05-4C | BEATTY-BLY-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | FISHHOLE | K05-4D | BLY-FISHHOLE-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | HAMAKER | 5L55 | KENO | 12.5 | 1,702 |
| Southern OR | KLAMATH FALLS | HAMAKER | 5L56 | MOUNTAIN | 12.5 | 158 |
| Southern OR | KLAMATH FALLS | HENLEY | 5L58 | HENLEY | 12.5 | 232 |
| Southern OR | KLAMATH FALLS | HENLEY | 5L59 | WEST | 12.5 | 538 |
| Southern OR | KLAMATH FALLS | HORNET | 5L44 | HOMEDALE | 12.5 | 2,829 |
| Southern OR | KLAMATH FALLS | HORNET | 5L45 | CRYSTAL SPR | 12.5 | 1,479 |
| Southern OR | KLAMATH FALLS | HORNET | K04-2K | HENLEY TAP-MERRILL-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | HORNET | K04-2L | HENLEY TAP-HENLEY-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | HORNET | K04-2M | HENLEY TAP-HORNET-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | JOHN C. BOYLE SUB | BB06-4 | BOYLE-COPCO 2-230KV | 230 | 0 |
| Southern OR | KLAMATH FALLS | JOHN C. BOYLE SUB | K12-3 | JC BOYLE TAP-KLAMATH FALLS-WEYERHAUSER-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | JOHN C. BOYLE SUB | K12-3A | HAMAKER-JC BOYLE TAP-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | JOHN C. BOYLE SUB | K12-3B | HAMAKER-WEYERHAUSER TAP-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | BB06-1 | BOYLE-KLAMATH FALLS-230KV | 230 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K05-1 | KLAMATH FALLS-BONANZA-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K05-1A | KLAMATH FALLS-HORNET-TEXUM TAP-69KV | 69 | 0 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|---------------|----------------------------|------------|---|------|------------------------|
| Southern OR | KLAMATH FALLS | KLAMATH | K05-1B | DAIRY-HORNET-LAKEVIEW JCT-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K05-1C | BONANZA TAP-DAIRY-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K05-A | TEXUM-TEXUM TAP-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K05-B | BONANZA-BONANZA TAP-CASEBEER-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K07-1 | KLAMATH FALLS-WESTSIDE-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K07-2 | KLAMATH FALLS-LAKEVIEW JCT-LAKEPORT-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K07-2A | KLAMATH FALLS-TEXUM-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K07-2B | BRYANT-TEXUM-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K07-2C | BRYANT-BRYANT TAP-ROSS AVE-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K07-2D | LAKEPORT-ROSS AVE-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K07-B | BRYANT TAP-LAKEVIEW JCT-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K08 | KLAMATH FALLS-WEYERHAUSER-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K12-3C | RUNNING Y TAP-WEYERHAUSER TAP-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K12-3D | KLAMATH FALLS-RUNNING Y TAP-WESTSIDE-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K12B | WEYERHAUSER-WEYERHAUSER TAP-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K12F | RUNNING Y-RUNNING Y TAP-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K13 | KLAMATH FALLS-LAKEPORT-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K13-2 | KLAMATH FALLS-WESTSIDE-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K13-3 | EASTSIDE-LAKEPORT-WESTSIDE-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K14-2 | KLAMATH FALLS-PICARD SW STATION-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K14-2A | DORRIS-KLAMATH FALLS-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH | K14-2B | DORRIS-PICARD SW STATION-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH COGEN 500KV SWITCH | BB02-1 | KLAMATH CO-GEN - CAPT JACK | 500 | 0 |
| Southern OR | KLAMATH FALLS | KLAMATH COGEN 500KV SWITCH | BB02-2 | KLAMATH COGEN-MERIDAN 500KV LINE | 500 | 0 |
| Southern OR | KLAMATH FALLS | LAKEPORT | 5L49 | WOCUS | 12.5 | 232 |
| Southern OR | KLAMATH FALLS | LAKEPORT | 5L54 | SOUTH (LAKEPORT) | 12.5 | 2,443 |
| Southern OR | KLAMATH FALLS | LAKEPORT | 5L61 | JELDWEN | 12.5 | 7 |
| Southern OR | KLAMATH FALLS | MALIN | BB01 | MALIN-ROUND MOUNTAIN #2-525KV | 500 | 0 |
| Southern OR | KLAMATH FALLS | MALIN | BB05 | KLAMATH FALLS-MALIN-230KV | 230 | 0 |
| Southern OR | KLAMATH FALLS | MALIN | BB14 | CAPTAIN JACK-MALIN-500KV | 500 | 0 |
| Southern OR | KLAMATH FALLS | MALIN | BB17 | MALIN-BPA WARNER-230KV | 230 | 0 |
| Southern OR | KLAMATH FALLS | MALIN | K04-2E | MALIN TAP-TULELAKE TAP-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | MALIN | K04-2F | MALIN TAP-TURKEY HILL-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | MALIN | K04-2G | MERRILL JCT-TURKEY HILL-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | MALIN | K04-2H | MERRILL JCT-TUNNEL TAP-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | MALIN | K04-2J | MERRILL -MERRILL JCT-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | MALIN | K09-1 | MALIN-MALIN TAP-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | MERRILL (OR) | 5L26 | LAKE (MERRILL) | 12.5 | 985 |
| Southern OR | KLAMATH FALLS | MERRILL (OR) | 5L27 | NORTH (MERRILL) | 12.5 | 559 |
| Southern OR | KLAMATH FALLS | MERRILL (OR) | K04-3 | MERRILL-HORNET-69KV | 69 | 1 |
| Southern OR | KLAMATH FALLS | MERRILL (OR) | K04B | MERRILL JCT-TUNNEL TAP-69KV | 69 | 0 |
| Southern OR | KLAMATH FALLS | MODOC | 5L36 | MODOC | 12.5 | 851 |
| Southern OR | KLAMATH FALLS | ROSS AVENUE | 5L46 | ELDORADO | 12.5 | 1,388 |
| Southern OR | KLAMATH FALLS | ROSS AVENUE | 5L47 | FORT ROAD | 12.5 | 0 |
| Southern OR | KLAMATH FALLS | ROSS AVENUE | 5L48 | BROAD ST. | 12.5 | 1,204 |
| Southern OR | KLAMATH FALLS | RUNNING Y | 4L50 | ROCKY POINT FEEDER (RUNNING Y) | 20.8 | 1,472 |
| Southern OR | KLAMATH FALLS | SHASTA WAY | 7L25 | SHASTA WAY | 4.1 | 432 |
| Southern OR | KLAMATH FALLS | SNOW GOOSE | 5L490 | SNOW GOOSE CB 5L490 | 12.5 | 0 |
| Southern OR | KLAMATH FALLS | SNOW GOOSE | 5L491 | SNOW GOOSE CB 5L491 | 12.5 | 0 |
| Southern OR | KLAMATH FALLS | SPRAGUE RIVER | 5L8 | SPRAGUE RIVER | 12.5 | 507 |
| Southern OR | KLAMATH FALLS | SUMMER LAKE (BPA) | CO01-2 | MALIN-SUMMER LAKE-500KV | 500 | 0 |
| Southern OR | KLAMATH FALLS | TEXUM | 5L112 | ANDERSON | 12.5 | 1,203 |
| Southern OR | KLAMATH FALLS | TEXUM | 5L113 | TOWER | 12.5 | 284 |
| Southern OR | KLAMATH FALLS | TEXUM | 5L116 | ALTAMONT | 12.5 | 1,484 |
| Southern OR | KLAMATH FALLS | TURKEY HILL | 5L20 | MALIN CITY | 12.5 | 826 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|---------------|------------------------|------------|--|------|------------------------|
| Southern OR | KLAMATH FALLS | TURKEY HILL | 5L23 | RURAL (TURKEY HILL) | 12.5 | 322 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L12 | ORINDALE | 12.5 | 803 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L15 | CALIFORNIA | 12.5 | 1,356 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L16 | MAIN ST (WEST SIDE HE PLANT) | 12.5 | 110 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L17 | PINE ST (WEST SIDE HE PLANT) | 12.5 | 504 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L18 | RIVERSIDE (WEST SIDE HE PLANT) | 12.5 | 588 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L19 | LAKESHORE | 12.5 | 303 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 8L10 | CITY WTR PMP | 2.4 | 1 |
| Southern OR | LAKEVIEW | MILE-HI | 5L104 | INDUSTRIAL | 12.5 | 704 |
| Southern OR | LAKEVIEW | MILE-HI | 5L105 | BUSINESS | 12.5 | 1,737 |
| Southern OR | LAKEVIEW | MILE-HI | K03 | ALTURAS-(BPA)CEDARVILLE-BULLARD-115KV | 115 | 2 |
| Southern OR | LAKEVIEW | MILE-HI | K03-3 | DAVIS CREEK-BULLARD-115KV | 115 | 0 |
| Southern OR | LAKEVIEW | MILE-HI | K03-4 | BULLARD-MILE HI-115KV | 115 | 0 |
| Southern OR | LAKEVIEW | MILE-HI | K15-1 | MILE HI-SVEC-69KV | 69 | 0 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | 5R241 | CITY | 12.5 | 12 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | 5R245 | VALLEY VIEW | 12.5 | 880 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | R08-2 | ASHLAND-MOUNTAIN AVE(BPA)-115KV | 115 | 0 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | R08-3 | MOUNTAIN AVE(BPA)-OAK KNOLL-115KV | 115 | 0 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | R18 | ASHLAND-BELKNAP-115KV | 115 | 0 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | R18-1 | ASHLAND-BALDY SW STA-BELKNAP-GRIFFIN CREEK-115KV | 115 | 0 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | R18-2 | ASHLAND-TALENT-115KV | 115 | 0 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | R18-3 | TALENT-VOORHEES CROSSING-115KV | 115 | 0 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | R18-4 | GRIFFIN CREEK-VOORHEES CROSSING-115KV | 115 | 0 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | R18-5 | BELKNAP-VOORHEES CROSSING-115KV | 115 | 0 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | R18-6 | CAMPBELL-VOORHEES CROSSING-115KV | 115 | 0 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | R18-7 | BALDY SW STA-CAMPBELL-115KV | 115 | 0 |
| Southern OR | MEDFORD | BEALL LANE | 5R359 | BEEHIVE | 12.5 | 2 |
| Southern OR | MEDFORD | BEALL LANE | 5R361 | BULLDOG | 12.5 | 1,731 |
| Southern OR | MEDFORD | BEALL LANE | 5R364 | BOBCAT | 12.5 | 2,161 |
| Southern OR | MEDFORD | BELKNAP | 5R1 | KOGAP | 12.5 | 1,015 |
| Southern OR | MEDFORD | BELKNAP | 5R2 | RIVERSIDE (BELKNAP) | 12.5 | 663 |
| Southern OR | MEDFORD | BELKNAP | 5R3 | BARNETT | 12.5 | 1,631 |
| Southern OR | MEDFORD | BELKNAP | 5R47 | STEWART | 12.5 | 2,306 |
| Southern OR | MEDFORD | BROOKHURST | 5R118 | SPRINGBROOK | 12.5 | 1,936 |
| Southern OR | MEDFORD | BROOKHURST | 5R135 | ROBERTS (BROOKHURST) | 12.5 | 1,710 |
| Southern OR | MEDFORD | BROOKHURST | 5R32 | ROXY | 12.5 | 1,822 |
| Southern OR | MEDFORD | BROOKHURST | 5R33 | CRATER LAKE | 12.5 | 1,736 |
| Southern OR | MEDFORD | BROOKHURST | 5R75 | SUNRISE (BROOKHURST) | 12.5 | 1,226 |
| Southern OR | MEDFORD | CAMPBELL | 5R216 | VOORHIES | 12.5 | 852 |
| Southern OR | MEDFORD | CAMPBELL | 5R218 | PHOENIX | 12.5 | 702 |
| Southern OR | MEDFORD | CAMPBELL | 5R227 | FERN VALLEY | 12.5 | 1,225 |
| Southern OR | MEDFORD | CAMPBELL | 5R312 | COBRA | 12.5 | 1,511 |
| Southern OR | MEDFORD | DODGE BRIDGE | 4R1 | SALMON | 20.8 | 1,633 |
| Southern OR | MEDFORD | DODGE BRIDGE | 4R35 | MEADOWS ROAD | 20.8 | 1,383 |
| Southern OR | MEDFORD | FOOTHILLS | 5R252 | HILLCREST ROAD | 12.5 | 0 |
| Southern OR | MEDFORD | FOOTHILLS | 5R38 | HOSPITAL | 12.5 | 773 |
| Southern OR | MEDFORD | FOOTHILLS | 5R39 | PIERCE ROAD | 12.5 | 1,165 |
| Southern OR | MEDFORD | FRALEY | 5R87 | TABLE ROCK | 12.5 | 527 |
| Southern OR | MEDFORD | FRALEY | 5R88 | DODGE BRIDGE | 12.5 | 369 |
| Southern OR | MEDFORD | GOLD HILL | 5R103 | GOLD HILL | 12.5 | 2036 |
| Southern OR | MEDFORD | GOLD HILL | R13-4 | GOLD HILL-TOLO-69KV | 69 | 0 |
| Southern OR | MEDFORD | GRIFFIN CREEK | 5R200 | ARNOLD LANE | 12.5 | 0 |
| Southern OR | MEDFORD | GRIFFIN CREEK | 5R204 | HULL RD | 12.5 | 2731 |
| Southern OR | MEDFORD | GRIFFIN CREEK | 5R206 | GRIFFIN CREEK | 12.5 | 1759 |
| Southern OR | MEDFORD | HUMBUG CREEK | 5R287 | HUMMINGBIRD | 12.5 | 690 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|--------------|-----------------|------------|--|------|------------------------|
| Southern OR | MEDFORD | JACKSONVILLE | 5R284 | STAGE RD | 12.5 | 2058 |
| Southern OR | MEDFORD | JACKSONVILLE | 5R285 | JACKSONVILLE HWY | 12.5 | 2244 |
| Southern OR | MEDFORD | LONE PINE | R10-1 | LONE PINE-WHETSTONE-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R10-1B | WHETSTONE-WHITE CITY-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R10-1C | LONE PINE-VILAS ROAD-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R10-1D | VILAS ROAD-WHITE CITY115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R12 | LONE PINE-PROSPECT CENTRAL-69KV | 69 | 0 |
| Southern OR | MEDFORD | LONE PINE | R12-1 | FRALEY-LONE PINE-69KV | 69 | 0 |
| Southern OR | MEDFORD | LONE PINE | R12-2 | DODGE BRIDGE-FRALEY-69KV | 69 | 0 |
| Southern OR | MEDFORD | LONE PINE | R12-3 | DODGE BRIDGE-PROSPECT CENTRAL-69KV | 69 | 0 |
| Southern OR | MEDFORD | LONE PINE | R19-1 | LONE PINE-BELKNAP-69KV | 69 | 0 |
| Southern OR | MEDFORD | LONE PINE | R19-11 | FOOTHILL-LONE PINE-69KV | 69 | 0 |
| Southern OR | MEDFORD | LONE PINE | R19-12 | BELKNAP-FOOTHILL-69KV | 69 | 0 |
| Southern OR | MEDFORD | LONE PINE | R25 | LONE PINE-MEDFORD-69KV | 69 | 0 |
| Southern OR | MEDFORD | LONE PINE | R26 | LONE PINE-SAGE ROAD-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R26-1 | BROOKHURST-LONE PINE-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R26-2 | BROOKHURST-MEDFORD-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R26-3 | MEDFORD-SAGE ROAD-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R27-1 | LONE PINE-BALDY SW STA-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R27-1A | LONE PINE-ROXY ANN-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R27-1B | BALDY SW STA-ROXY ANN-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R27-2 | LONE PINE-PROSPECT CENTRAL-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R27-2A | LONE PINE-STEVENS ROAD-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R27-2B | EAGLE POINT-STEVENS ROAD-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R27-2C | EAGLE POINT-LOST CREEK-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R27-2D | LOST CREEK-TAKELMA-115KV | 115 | 0 |
| Southern OR | MEDFORD | LONE PINE | R27-2E | PROSPECT CENTRAL-TAKELMA-115KV | 115 | 0 |
| Southern OR | MEDFORD | MEDCO | 5R280 | BOISE CASCADE | 12.5 | 1 |
| Southern OR | MEDFORD | MEDFORD | 5R21 | MELROSE | 12.5 | 1580 |
| Southern OR | MEDFORD | MEDFORD | 5R23 | SPRING ST. | 12.5 | 1629 |
| Southern OR | MEDFORD | MEDFORD | 5R250 | BIG Y | 12.5 | 1862 |
| Southern OR | MEDFORD | MEDFORD | 5R253 | APPLE | 12.5 | 1107 |
| Southern OR | MEDFORD | MEDFORD | 5R257 | PEAR | 12.5 | 805 |
| Southern OR | MEDFORD | MEDFORD | 5R659 | MCLEAN | 12.5 | 679 |
| Southern OR | MEDFORD | MEDFORD | R23-10 | HUMBUG CREEK-JACKSONVILLE-MEDFORD-69KV | 69 | 0 |
| Southern OR | MEDFORD | MEDFORD | R23-11 | MEDFORD-JACKSONVILLE-69KV | 69 | 0 |
| Southern OR | MEDFORD | MEDFORD | R23-13 | JACKSONVILLE-RUCH-69KV | 69 | 0 |
| Southern OR | MEDFORD | MEDFORD | R23-14 | HUMBUG CREEK-RUCH-69KV | 69 | 0 |
| Southern OR | MEDFORD | MERIDIAN | BB07 | LONE PINE #1-MERIDIAN-230KV | 230 | 0 |
| Southern OR | MEDFORD | MERIDIAN | BB13-1 | MERIDIAN-WHETSTONE-230KV | 230 | 0 |
| Southern OR | MEDFORD | MERIDIAN | BB16 | LONE PINE #2-MERIDIAN-230KV | 230 | 0 |
| Southern OR | MEDFORD | OAK KNOLL | 5R55 | SISKIYOU | 12.5 | 1518 |
| Southern OR | MEDFORD | OAK KNOLL | 5R56 | HIGHWAY 99 | 12.5 | 120 |
| Southern OR | MEDFORD | OAK KNOLL | R08 | TAP TO OAK KNOLL-115KV | 115 | 0 |
| Southern OR | MEDFORD | OAK KNOLL | R08-1 | OAK KNOLL-ASHLAND-115KV | 115 | 1 |
| Southern OR | MEDFORD | OAK KNOLL | R11-2A | BLADY SW STA-OAK KNOLL-115KV | 115 | 0 |
| Southern OR | MEDFORD | OAK KNOLL | R11-2C | GREEN SPRINGS-OAK KNOLL-115KV | 115 | 0 |
| Southern OR | MEDFORD | OAK KNOLL | R11-2E | BALDY SW STA-COPCO2-OAK KNOLL-115KV | 115 | 0 |
| Southern OR | MEDFORD | PROSPECT 3 | 5R290 | P-3 FOREBAY | 12.5 | 1 |
| Southern OR | MEDFORD | PROSPECT CNTRL | 5R40 | NEW CASCADE | 12.5 | 336 |
| Southern OR | MEDFORD | PROSPECT CNTRL | 8R5 | COTTAGES | 2.4 | 0 |
| Southern OR | MEDFORD | PROSPECT CNTRL | 8R8 | DAM & FOREBAY | 2.4 | 0 |
| Southern OR | MEDFORD | PROSPECT CNTRL | R14 | PROSPECT CNTRL-PROSPECT #3-69KV | 69 | 1 |
| Southern OR | MEDFORD | PROSPECT CNTRL | R14-1 | PROSPECT CENTRAL-RED BLANKET-69KV | 69 | 0 |
| Southern OR | MEDFORD | PROSPECT CNTRL | R14-2 | PROSPECT 3-RED BLANKET-69KV | 69 | 1 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|----------------------|-----------------|------------|----------------------------------|------|------------------------|
| Southern OR | MEDFORD | PROSPECT CNTRL | R15 | PROSPECT-PROSPECT CNTRL #1-69KV | 69 | 0 |
| Southern OR | MEDFORD | PROSPECT CNTRL | R16 | PROSPECT-PROSPECT CNTRL #2-69KV | 69 | 0 |
| Southern OR | MEDFORD | PROSPECT CNTRL | R17 | PROSPECT-PROSPECT CNTRL #2-69KV | 69 | 0 |
| Southern OR | MEDFORD | RED BLANKET | 7R5 | PROSPECT | 4.1 | 396 |
| Southern OR | MEDFORD | ROXY ANN | 5R350 | St. Bernard | 12.5 | 1331 |
| Southern OR | MEDFORD | ROXY ANN | 5R352 | ROXYANN2 | 12.5 | 0 |
| Southern OR | MEDFORD | ROXY ANN | 5R354 | RACCOON | 12.5 | 1577 |
| Southern OR | MEDFORD | ROXY ANN | 5R356 | ROXY ANN CB5R356 | 12.5 | 0 |
| Southern OR | MEDFORD | RUCH | 5R68 | APPLEGATE | 12.5 | 936 |
| Southern OR | MEDFORD | RUCH | 5R69 | RUCH | 12.5 | 542 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R209 | TIMBER PROD | 12.5 | 1 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R211 | COLUMBUS | 12.5 | 1792 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R226 | BOISE | 12.5 | 927 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R27 | MCANDREWS | 12.5 | 111 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R28 | ROSS | 12.5 | 2111 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R29 | EDWARDS | 12.5 | 733 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | R10-2 | SAGE ROAD-WHETSTONE-115KV | 115 | 0 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | R10-2A | BEALL LANE-MEDCO-115KV | 115 | 0 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | R10-2B | BEALL LANE-SCENIC-115KV | 115 | 0 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | R10-2D | MEDCO-SAGE ROAD-115KV | 115 | 0 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | R27-3 | BALDY SW STA-SAGE ROAD-115KV | 115 | 0 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | R27-4 | GRIFFIN CREEK-SAGE ROAD-115KV | 115 | 0 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | R27-4A | GRIFFIN CREEK-JACKSONVILLE-115KV | 115 | 0 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | R27-4B | JACKSONVILLE-SAGE ROAD-115KV | 115 | 0 |
| Southern OR | MEDFORD | SCENIC | 5R174 | UPTON | 12.5 | 2010 |
| Southern OR | MEDFORD | SCENIC | 5R180 | HEAD RD | 12.5 | 1181 |
| Southern OR | MEDFORD | SCENIC | 5R182 | TAYLOR RD | 12.5 | 1852 |
| Southern OR | MEDFORD | SCENIC | 5R184 | CHENEY | 12.5 | 1515 |
| Southern OR | MEDFORD | SCENIC | R13-2 | GOLD HILL-SCENIC-69KV | 69 | 0 |
| Southern OR | MEDFORD | SCENIC | R13-5 | SCENIC-TOLO-69KV | 69 | 0 |
| Southern OR | MEDFORD | STEVENS ROAD | 4R13 | HENRY MILLER | 20.8 | 2401 |
| Southern OR | MEDFORD | STEVENS ROAD | 4R17 | Stingray | 20.8 | 2609 |
| Southern OR | MEDFORD | STEVENS ROAD | 4R41 | ANTELOPE | 20.8 | 1160 |
| Southern OR | MEDFORD | TAKELMA | 4R9 | LOST CK. (TAKELMA) | 20.8 | 2659 |
| Southern OR | MEDFORD | TALENT | 5R237 | TALENT | 12.5 | 1784 |
| Southern OR | MEDFORD | TALENT | 5R238 | ANDERSON CRK | 12.5 | 1649 |
| Southern OR | MEDFORD | TALENT | 5R239 | HARTLEY ROAD | 12.5 | 1566 |
| Southern OR | MEDFORD | TALENT | 5R240 | NORTH HWY | 12.5 | 804 |
| Southern OR | MEDFORD | TOLO | 5R90 | TBL ROCK LBR | 12.5 | 164 |
| Southern OR | MEDFORD | TOLO | 5R91 | SAMS VALLEY | 12.5 | 658 |
| Southern OR | MEDFORD | TOLO | 5R92 | KIRTLAND RD | 12.5 | 211 |
| Southern OR | MEDFORD | VILAS ROAD | 5R110 | MCLAUGHLIN | 12.5 | 968 |
| Southern OR | MEDFORD | VILAS ROAD | 5R146 | KING CENTER | 12.5 | 1,454 |
| Southern OR | MEDFORD | VILAS ROAD | 5R305 | WEBFOOT | 12.5 | 920 |
| Southern OR | MEDFORD | WHETSTONE | R10-2C | SCENIC-WHETSTONE-115KV | 115 | 0 |
| Southern OR | MEDFORD | WHETSTONE | R1-2 | FIELDER CREEK-WHETSTONE115KV | 115 | 0 |
| Southern OR | MEDFORD | WHITE CITY | 5R11 | EAGLE POINT | 12.5 | 1,489 |
| Southern OR | MEDFORD | WHITE CITY | 5R12 | INDUSTRIAL | 12.5 | 36 |
| Southern OR | MEDFORD | WHITE CITY | 5R13 | FIR-PLY | 12.5 | 24 |
| Southern OR | MEDFORD | WHITE CITY | 5R14 | AGATE | 12.5 | 114 |
| Southern OR | MEDFORD | WHITE CITY | 5R19 | 3M | 12.5 | 124 |
| Southern OR | MEDFORD | WHITE CITY | 5R66 | 4 CORNERS | 12.5 | 1,875 |
| Southern OR | MEDFORD | WHITE CITY | 5R76 | AVE C | 12.5 | 79 |
| Southern OR | ROSEBURG/MYRTLECREEK | ALVEY (BPA) | BB03 | ALVEY-DIXONVILLE-500KV | 500 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | ALVEY (BPA) | WI03 | ALVEY-DIXONVILLE-230KV | 230 | 0 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|----------------------|-------------------|------------|--|------|------------------------|
| Southern OR | ROSEBURG/MYRTLECREEK | CANYONVILLE | 5U46 | CANYONVILLE | 12.5 | 392 |
| Southern OR | ROSEBURG/MYRTLECREEK | CANYONVILLE | 5U52 | BEALS CREEK FEEDER | 12.5 | 889 |
| Southern OR | ROSEBURG/MYRTLECREEK | CARNES | 5U44 | RND PRARIE | 12.5 | 420 |
| Southern OR | ROSEBURG/MYRTLECREEK | CARNES | 5U45 | GREEN | 12.5 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLEARWATER | U07 | CLEARWATER-LEMOLO #1-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLEARWATER | U08 | CLEARWATER-LEMOLO #2-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLEARWATER | U09 | CLEARWATER-CLEARWATER #1-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLEARWATER #1 SUB | 6U17 | BRIGGS | 7.2 | 3 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLEARWATER #2 SUB | 6U33 | CLEARWATER | 7.2 | 96 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLOAKE | 4U37 | RUSA | 20.8 | 1 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLOAKE | 4U38 | HARVARD | 20.8 | 2,976 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLOAKE | 4U39 | GOECK | 20.8 | 1,278 |
| Southern OR | ROSEBURG/MYRTLECREEK | DAYS CREEK | U01 | DAYS CREEK-PROSPECT CNTRL-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DAYS CREEK | U01-1 | DAYS CREEK-TILLER-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DAYS CREEK | U01-2 | PROSPECT CENTRAL-TILLER-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DAYS CREEK | U14-1 | CANYONVILLE-DAYS CREEK-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DAYS CREEK | U14-2 | CANYONVILLE-RIDDLE-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DAYS CREEK | U14-3 | RIDDLE-RIDDLE VENEER-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DAYS CREEK | U14-4 | NICKEL MOUNTAIN-RIDDLE VENEER-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DAYS CREEK | U17-2 | DAYS CREEK-NICKEL MOUNTAIN-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | BB08-1 | DIXONVILLE-NICKEL MOUNTAIN-GRANTS PASS-230KV | 230 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | BB08-2 | DIXONVILLE-HANNA TAP-230KV | 230 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | BB09 | DIXONVILLE-RESTON-230KV | 230 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | BB09-1 | DIXONVILLE-BPA-FAIRVIEW-230KV | 230 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | BB10 | DIXONVILLE-MERIDIAN-500KV | 500 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | BB12 | DIXONVILLE 500KV-DIXONVILLE-230KV | 230 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U02 | DIXONVILLE-DAYS CREEK-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U03 | DIXONVILLE-TOKETEE SW STA-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U03-1 | DIXONVILLE-GLIDE-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U03-2 | GLIDE-STEAMBOAT-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U03-3 | ILLAHEE FLAT-STEAMBOAT-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U03-4 | ILLAHEE FLAT-TOKETEE SW STA-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U05 | DIXONVILLE-SODA SPRINGS-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U05-1 | BOUNDARY ROAD-DIXONVILLE-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U05-2 | BOUNDARY ROAD-ILLAHEE FLAT-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U05-3 | ILLAHEE FLAT-SODA SPRINGS-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U10 | CLOAKE-DIXONVILLE-GREEN-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U10-4 | DIXONVILLE-SOUTHGATE-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U10-5 | SOUTHGATE-SOUTHGATE TAP-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U10-6 | CLOAKE-SOUTHGATE TAP-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U10-7 | LOOKINGGLASS TAP-SOUTHGATE TAP-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U10-8 | GREEN-LOOKINGGLASS TAP-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U11 | DIXONVILLE-ROBERTS CREEK-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U12-3 | DIXONVILLE-WINCHESTER #1-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U12-3A | DIXONVILLE-SUTHERLIN-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U12-3B | OAKLAND-SUTHERLIN-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U12-3C | DOUGLAS COUNTY FOREST PRODUCTS TAP-OAKLAND-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U12-3D | DOUGLAS COUNTY FOREST PROD TAP-WINCHESTER-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U12-4 | DIXONVILLE-WINCHESTER #2-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U12-4A | DIXONVILLE-ROSEBURG-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U12-4B | ROSEBURG-WINCHESTER-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | DIXONVILLE | U15 | DIXONVILLE-DOUGLAS VENEER-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | GARDEN VALLEY | 4U80 | EDENBOWER | 20.8 | 806 |
| Southern OR | ROSEBURG/MYRTLECREEK | GARDEN VALLEY | 4U81 | VALLEY | 20.8 | 1,391 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|---------------|----------------------|---------------------|------------|--|------|------------------------|
| Southern OR | ROSEBURG/MYRTLECREEK | GLIDE SUBSTATION | 5U83 | IDLEYLD | 12.5 | 896 |
| Southern OR | ROSEBURG/MYRTLECREEK | GLIDE SUBSTATION | 5U84 | LITTLE RIVER | 12.5 | 1,364 |
| Southern OR | ROSEBURG/MYRTLECREEK | GREEN SUBSTATION | 5U32 | SAFARI | 12.5 | 2,221 |
| Southern OR | ROSEBURG/MYRTLECREEK | GREEN SUBSTATION | 5U33 | SUNNYSLOPE | 12.5 | 1,643 |
| Southern OR | ROSEBURG/MYRTLECREEK | GREEN SUBSTATION | U10-3A | CARNES-GREEN-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | GREEN SUBSTATION | U10-3B | CARNES-ROBERTS MOUNTAIN TAP-WINSTON-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | GREEN SUBSTATION | U10-3C | CARNES-ROBERTS CREEK-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | ILLAHEE FLATS | 6U13 | ILLAHEE FLATS SINGLE PHASE RECLOSER | 7.2 | 25 |
| Southern OR | ROSEBURG/MYRTLECREEK | LEMOLO # 1 | 5U920 | DIAMOND LAKE | 12.5 | 176 |
| Southern OR | ROSEBURG/MYRTLECREEK | MYRTLE CREEK | 5U76 | SUPER Y | 12.5 | 1,548 |
| Southern OR | ROSEBURG/MYRTLECREEK | MYRTLE CREEK | 5U77 | BOOMER HILL | 12.5 | 1,208 |
| Southern OR | ROSEBURG/MYRTLECREEK | NICKEL MOUNTAIN | BB11 | NICKEL MOUNTAIN-HANNA TAP SW STATION-230KV | 230 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | OAKLAND (OR) | 5U11 | UMPQUA | 12.5 | 1,291 |
| Southern OR | ROSEBURG/MYRTLECREEK | OAKLAND (OR) | 5U12 | STAGECOACH | 12.5 | 558 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE | 5U1 | TRI CITY | 12.5 | 2,116 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE | 5U2 | COW CREEK | 12.5 | 1,568 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE | 5U3 | HANNA | 12.5 | 285 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE | U13-2 | MYRTLE CREEK-RIDDLE-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE-VENEER | 5U23 | FORD MILL | 12.5 | 1 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE-VENEER | 5U50 | RFP-LVL (EWP) | 12 | 30 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROBERTS CREEK | U10-3 | GREEN-ROBERTS CREEK-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROBERTS CREEK | U13 | MYRTLE CREEK-ROBERTS CREEK-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROBERTS CREEK | U13-3 | DILLARD TAP-ROBERTS CREEK-ROBERTS MTN TAP-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROBERTS CREEK | U13-4 | DILLARD TAP-ROSEBURG LUMBER-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROBERTS CREEK | U13-5 | DILLARD TAP-MYRTLE CREEK-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROSEBURG | 4U10 | DIAMOND | 20.8 | 2,524 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROSEBURG | 4U22 | DIXON | 20.8 | 1,130 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROSEBURG | 4U5 | DOUGLAS | 20.8 | 2,087 |
| Southern OR | ROSEBURG/MYRTLECREEK | SLIDE CREEK | 6U76 | SLIDE CREEK CAMP | 7.2 | 4 |
| Southern OR | ROSEBURG/MYRTLECREEK | SODA SPRINGS HE PLT | 6U1 | DRY CREEK | 7.2 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | SODA SPRINGS HE PLT | 6U10 | CB6U10 | 12.5 | 1 |
| Southern OR | ROSEBURG/MYRTLECREEK | SODA SPRINGS HE PLT | U04 | SODA SPRINGS-TOKETEE SW STA-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | SODA SPRINGS HE PLT | U04-1 | SLIDE CREEK-SODA SPRINGS-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | SODA SPRINGS HE PLT | U04-2 | FISH CREEK-SLIDE CREEK-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | SODA SPRINGS HE PLT | U04-3 | FISH CREEK-TOKETEE-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | SODA SPRINGS HE PLT | U04-4 | TOKETEE-TOKETEE SW STA-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | SOUTHGATE | 4U30 | SHADY POINT | 20.8 | 1,620 |
| Southern OR | ROSEBURG/MYRTLECREEK | SOUTHGATE | 4U31 | BOOTH | 20.8 | 1,563 |
| Southern OR | ROSEBURG/MYRTLECREEK | STEAMBOAT | 6U18 | STEAMBOAT | 7.2 | 21 |
| Southern OR | ROSEBURG/MYRTLECREEK | SUTHERLIN | 5U35 | NON-PAREIL | 12.5 | 1,313 |
| Southern OR | ROSEBURG/MYRTLECREEK | SUTHERLIN | 5U36 | DEADY | 12.5 | 1,358 |
| Southern OR | ROSEBURG/MYRTLECREEK | SUTHERLIN | 5U56 | Industrial | 12.5 | 546 |
| Southern OR | ROSEBURG/MYRTLECREEK | TILLER | 5U89 | JACKSON CRK | 12.5 | 302 |
| Southern OR | ROSEBURG/MYRTLECREEK | TOKETEE | 6U21 | BACK UP FOR CLEARWATER 6U33 | 6.9 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | TOKETEE | 8U12 | TOKETEE CITY | 2.4 | 19 |
| Southern OR | ROSEBURG/MYRTLECREEK | TOKETEE | U06 | TOKETEE-CLEARWATER-115KV | 115 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | 4U18 | WILBUR | 20.8 | 1,648 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | 5U15 | NEWTON CREEK | 12.5 | 1,793 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | 5U17 | FISHER | 12.5 | 775 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | 5U19 | EVANS | 12.5 | 735 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | U10-9 | CLOAKE-WINCHESTER-69KV | 69 | 0 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|-------------------|----------------------|-----------------|------------|----------------------------------|------|------------------------|
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | U10-9A | GARDEN VALLEY-WINCHESTER-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | U10-9B | CLOAKE-GARDEN VALLEY-69KV | 69 | 0 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINSTON | 5U48 | BROCKWAY | 12.5 | 863 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINSTON | 5U49 | DILLARD | 12.5 | 1,456 |
| Willamette Valley | ALBANY | BPA ALBANY | WI09 | BPA ALBANY-HAZELWOOD-115KV | 115 | 0 |
| Willamette Valley | ALBANY | HAZELWOOD | 4M335 | WEST HIGH | 20.8 | 843 |
| Willamette Valley | ALBANY | HAZELWOOD | 4M336 | RIVERVIEW (HAZELWOOD) | 20.8 | 1,238 |
| Willamette Valley | ALBANY | HAZELWOOD | WI07 | HAZELWOOD-FRY-115KV | 115 | 0 |
| Willamette Valley | ALBANY | HAZELWOOD | WI10 | HAZELWOOD-MARYS RIVER-115KV | 115 | 0 |
| Willamette Valley | ALBANY | HAZELWOOD | WI10-1 | HAZELWOOD-GRANT-115KV | 115 | 0 |
| Willamette Valley | ALBANY | HAZELWOOD | WI13-1 | HAZELWOOD-VINE ST-69KV | 69 | 0 |
| Willamette Valley | ALBANY | HAZELWOOD | WI14-1 | HAZELWOOD-QUEEN AVE-69KV | 69 | 0 |
| Willamette Valley | ALBANY | JEFFERSON (OR) | 4M117 | MARION | 20.8 | 718 |
| Willamette Valley | ALBANY | JEFFERSON (OR) | 4M125 | MINT | 20.8 | 2,532 |
| Willamette Valley | ALBANY | MURDER CREEK | 4M243 | SCRAVEL HILL | 20.8 | 4,183 |
| Willamette Valley | ALBANY | MURDER CREEK | 4M245 | RURAL NW | 20.8 | 2,381 |
| Willamette Valley | ALBANY | MURDER CREEK | 4M249 | DURA-PACIFIC | 20.8 | 183 |
| Willamette Valley | ALBANY | MURDER CREEK | 4M250 | INDUSTRIAL | 20.8 | 4 |
| Willamette Valley | ALBANY | MURDER CREEK | 5M131 | WAH CHANG SOUTH | 12.5 | 1 |
| Willamette Valley | ALBANY | MURDER CREEK | 5M132 | WAH CHANG WEST | 12.5 | 0 |
| Willamette Valley | ALBANY | OREMET | 4M295 | OAK CREEK | 20.8 | 100 |
| Willamette Valley | ALBANY | OREMET | 4M296 | ROGERSDALE | 20.8 | 2,167 |
| Willamette Valley | ALBANY | OREMET | 5M19 | OREMET | 12.5 | 3 |
| Willamette Valley | ALBANY | OREMET | 5M20 | OREMET-BPA | 12.5 | 0 |
| Willamette Valley | ALBANY | PARRISH GAP | WI15-1 | PARRISH GAP-STAYTON-69KV | 69 | 0 |
| Willamette Valley | ALBANY | PARRISH GAP | WI15-3 | PARRISH GAP-JEFFERSON-69KV | 69 | 0 |
| Willamette Valley | ALBANY | PARRISH GAP | WI15-4 | JEFFERSON-JEFFERSON TAP-69KV | 69 | 1 |
| Willamette Valley | ALBANY | QUEEN AVE | 4M217 | SANTIAM | 20.8 | 1,888 |
| Willamette Valley | ALBANY | QUEEN AVE | 4M258 | HILL STREET | 20.8 | 2,870 |
| Willamette Valley | ALBANY | QUEEN AVE | 4M261 | WAVERLY | 20.8 | 3,652 |
| Willamette Valley | ALBANY | QUEEN AVE | 4M262 | GEARY STREET | 20.8 | 2,639 |
| Willamette Valley | ALBANY | QUEEN AVE | WI14-2 | QUEEN-SCIO-69KV | 69 | 0 |
| Willamette Valley | ALBANY | QUEEN AVE | WI17 | JEFFERSON JCT-JEFFERSON TAP-69KV | 69 | 0 |
| Willamette Valley | ALBANY | VINE STREET | 4M15 | FERRY | 20.8 | 3,238 |
| Willamette Valley | ALBANY | VINE STREET | 4M16 | WATER STREET | 20.8 | 4,284 |
| Willamette Valley | ALBANY | VINE STREET | WI13-3 | VINE ST-INDEPENDENCE-69KV | 69 | 0 |
| Willamette Valley | ALBANY | VINE STREET | WI13-3A | VINE ST-SW3M215-69KV | 69 | 0 |
| Willamette Valley | ALBANY | VINE STREET | WI13-3B | INDEPENDENCE-SW3M215-69KV | 69 | 0 |
| Willamette Valley | ALBANY | VINE STREET | WI16 | VINE STREET-JEFFERSON TAP-69KV | 69 | 0 |
| Willamette Valley | CORVALLIS | BUCHANAN | 4M130 | HEWLETT PACKARD | 20.8 | 2,701 |
| Willamette Valley | CORVALLIS | BUCHANAN | 4M133 | PEORIA | 20.8 | 2,433 |
| Willamette Valley | CORVALLIS | BUCHANAN | 4M134 | N. NINTH ST. | 20.8 | 2,595 |
| Willamette Valley | CORVALLIS | BUCHANAN | WI06-3 | BUCHANAN-DIXON-115KV | 115 | 0 |
| Willamette Valley | CORVALLIS | CIRCLE BLVD | 4M394 | H. P. #1 | 20.8 | 1 |
| Willamette Valley | CORVALLIS | CIRCLE BLVD | 4M396 | H. P. #2 | 20.8 | 0 |
| Willamette Valley | CORVALLIS | CIRCLE BLVD | 4M427 | H. P. #3 | 20.8 | 1 |
| Willamette Valley | CORVALLIS | CIRCLE BLVD | 4M428 | H. P. #4 | 20.8 | 0 |
| Willamette Valley | CORVALLIS | CIRCLE BLVD | 4M429 | H. P. #5 | 20.8 | 1 |
| Willamette Valley | CORVALLIS | CIRCLE BLVD | 4M430 | H. P. #6 | 20.8 | 0 |
| Willamette Valley | CORVALLIS | CIRCLE BLVD | WI06-2 | CIRCLE BLVD-BUCHANAN-115KV | 115 | 0 |
| Willamette Valley | CORVALLIS | DIXON | 7M26 | FOURTH ST. | 4.1 | 233 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|-------------------|----------------------|--------------------|------------|-----------------------------------|------|------------------------|
| Willamette Valley | CORVALLIS | DIXON | 7M29 | SECOND ST. | 4.1 | 271 |
| Willamette Valley | CORVALLIS | GRANT ST | 4M265 | HIGH SCHOOL | 20.8 | 2,494 |
| Willamette Valley | CORVALLIS | GRANT ST | 4M266 | CHINTIMINI | 20.8 | 2,536 |
| Willamette Valley | CORVALLIS | GRANT ST | 4M268 | KINGS ROAD | 20.8 | 2,565 |
| Willamette Valley | CORVALLIS | GRANT ST | 4M269 | 29TH STREET | 20.8 | 3,627 |
| Willamette Valley | CORVALLIS | GRANT ST | WI10-2 | GRANT-HILLVIEW-115KV | 115 | 0 |
| Willamette Valley | CORVALLIS | GRANT ST TEMP | 4M265T | HIGH SCHOOL TEMP | 12.5 | 0 |
| Willamette Valley | CORVALLIS | GRANT ST TEMP | 4M266T | CHINTIMINI TEMP | 12.5 | 0 |
| Willamette Valley | CORVALLIS | GRANT ST TEMP | 4M268T | KINGS ROAD TEMP | 12.5 | 0 |
| Willamette Valley | CORVALLIS | GRANT ST TEMP | 4M269T | 29TH ST TEMP | 12.5 | 0 |
| Willamette Valley | CORVALLIS | HILLVIEW | 4M180 | WEST HILLS | 20.8 | 1,916 |
| Willamette Valley | CORVALLIS | HILLVIEW | 4M181 | PHILOMATH | 20.8 | 1,317 |
| Willamette Valley | CORVALLIS | HILLVIEW | 4M182 | SUNSET | 20.8 | 1,765 |
| Willamette Valley | CORVALLIS | HILLVIEW | 4M185 | PLYMOUTH | 20.8 | 2,037 |
| Willamette Valley | CORVALLIS | MARYS RIVER | 4M151 | GREENBERRY | 20.8 | 3,619 |
| Willamette Valley | CORVALLIS | MARYS RIVER | 4M152 | AVERY | 20.8 | 186 |
| Willamette Valley | CORVALLIS | MARYS RIVER | 4M153 | GALLAGHER | 20.8 | 159 |
| Willamette Valley | CORVALLIS | MARYS RIVER | WI06-4 | MARY'S RIVER-DIXON-115KV | 115 | 0 |
| Willamette Valley | CORVALLIS | MARYS RIVER | WI10-3 | MARY'S RIVER-HILLVIEW-115KV | 115 | 0 |
| Willamette Valley | COTTAGE GROVE/J.CITY | ALVEY (BPA) | WI12 | BPA ALVEY-VILLAGE GREEN-115KV | 115 | 1 |
| Willamette Valley | COTTAGE GROVE/J.CITY | COBURG | 4M220 | DETERING | 20.8 | 586 |
| Willamette Valley | COTTAGE GROVE/J.CITY | DIAMOND HILL | WI02-2 | DIAMOND HILL-BPA ALVEY-230KV | 230 | 0 |
| Willamette Valley | COTTAGE GROVE/J.CITY | DIAMOND HILL | WI02-2A | DIAMOND HILL-MCKENZIE(EWEB)-230KV | 230 | 0 |
| Willamette Valley | COTTAGE GROVE/J.CITY | DIAMOND HILL | WI02-2B | BPA ALVEY-MCKENZIE(EWEB)-230KV | 230 | 0 |
| Willamette Valley | COTTAGE GROVE/J.CITY | DIAMOND HILL | WI19-2 | DIAMOND HILL-LANCASTER TAP-69KV | 69 | 0 |
| Willamette Valley | COTTAGE GROVE/J.CITY | DIAMOND HILL | WI20 | DIAMOND HILL-EWEB MCKENZIE-69KV | 69 | 0 |
| Willamette Valley | COTTAGE GROVE/J.CITY | DIAMOND HILL | WI21 | DIAMOND HILL-JUNCTION CITY-69KV | 69 | 0 |
| Willamette Valley | COTTAGE GROVE/J.CITY | GOSHEN (OR) | 4M360 | GOSHEN FDR | 20.8 | 1,623 |
| Willamette Valley | COTTAGE GROVE/J.CITY | HARRISBURG SUB | 4M400 | TERRITORIAL | 20.8 | 1,850 |
| Willamette Valley | COTTAGE GROVE/J.CITY | JUNCTION CITY | 4M102 | 6TH STREET | 20.8 | 1,156 |
| Willamette Valley | COTTAGE GROVE/J.CITY | JUNCTION CITY | 4M99 | PRAIRIE ROAD | 20.8 | 1,002 |
| Willamette Valley | COTTAGE GROVE/J.CITY | JUNCTION CITY | WI21-1 | WILKINS CORNER-VAUGHN TAP-69KV | 69 | 0 |
| Willamette Valley | COTTAGE GROVE/J.CITY | JUNCTION CITY | WI21-2 | JUNCTION CITY-VAUGHN TAP-69KV | 69 | 0 |
| Willamette Valley | COTTAGE GROVE/J.CITY | LANCASTER | 4M209 | MONROE | 20.8 | 1,130 |
| Willamette Valley | COTTAGE GROVE/J.CITY | MARTIN CREEK (BPA) | WI12B | BPA MARTIN CREEK-VLG GREEN-115KV | 115 | 1 |
| Willamette Valley | COTTAGE GROVE/J.CITY | VILLAGE GREEN | 4M84 | NORTH SIDE | 20.8 | 2,416 |
| Willamette Valley | COTTAGE GROVE/J.CITY | VILLAGE GREEN | 4M86 | MADISON | 20.8 | 1,625 |
| Willamette Valley | DALLAS/INDEPENDENCE | DALLAS | 4M100 | RURAL (DALLAS) | 20.8 | 2,073 |
| Willamette Valley | DALLAS/INDEPENDENCE | DALLAS | 4M201 | INDUSTRIAL | 20.8 | 3,138 |
| Willamette Valley | DALLAS/INDEPENDENCE | DALLAS | 4M202 | ELLENDALE | 20.8 | 3,017 |
| Willamette Valley | DALLAS/INDEPENDENCE | DALLAS | 4M238 | DALLAS | 20.8 | 2,325 |
| Willamette Valley | DALLAS/INDEPENDENCE | INDEPENDENCE | 4M22 | RICKREAL | 20.8 | 3,179 |
| Willamette Valley | DALLAS/INDEPENDENCE | INDEPENDENCE | 4M25 | BUENA VISTA | 20.8 | 2,126 |
| Willamette Valley | DALLAS/INDEPENDENCE | MONPAC | WI05 | MONPAC-BPA SALEM-115KV | 115 | 0 |
| Willamette Valley | DALLAS/INDEPENDENCE | MONPAC | WI05-1 | DALLAS-MONPOC-115KV | 115 | 0 |
| Willamette Valley | DALLAS/INDEPENDENCE | MONPAC | WI05-2 | BPA SALEM-DALLAS-115KV | 115 | 0 |
| Willamette Valley | DALLAS/INDEPENDENCE | MONPAC | WI13-4 | MONPAC-INDEPENDENCE-69KV | 69 | 0 |
| Willamette Valley | LEBANON | BROWNSVILLE | 4M17 | CALAPOOYA | 12.5 | 1,713 |
| Willamette Valley | LEBANON | BROWNSVILLE | WI18-2 | HALSEY-BROWNSVILLE-69KV | 69 | 0 |
| Willamette Valley | LEBANON | CALAPOOYA | 4M850 | SPAULDING | 20.8 | 1,126 |
| Willamette Valley | LEBANON | CALAPOOYA | 4M851 | BEAR | 20.8 | 32 |

Oregon 2021 Active Circuits with Substation, Voltage and Customer Counts

| Oregon Region | Op Area Name | Substation Name | Circuit Id | Circuit Name | kV | Circuit Customer Count |
|-------------------|--------------|-----------------|------------|-------------------------------------|------|------------------------|
| Willamette Valley | LEBANON | CALAPOOYA | WI118-1 | CALAPOOYA-BROWNSVILLE-69KV | 69 | 0 |
| Willamette Valley | LEBANON | CALAPOOYA | WI23 | CALAPOOYA-HALSEY-69KV | 69 | 0 |
| Willamette Valley | LEBANON | CROWFOOT | 4M204 | CROWFOOT | 20.8 | 1,524 |
| Willamette Valley | LEBANON | CROWFOOT | 4M206 | US PLYWOOD (LEBANON) | 20.8 | 1,940 |
| Willamette Valley | LEBANON | DIAMOND HILL | WI02-1A | CALAPOOYA-DIAMOND HILL-230KV | 230 | 0 |
| Willamette Valley | LEBANON | DIAMOND HILL | WI19 | DIAMOND HILL-BROWNSVILLE-69KV | 69 | 0 |
| Willamette Valley | LEBANON | FRY | WI01-A | FRY-PARRISH GAP-230KV | 230 | 0 |
| Willamette Valley | LEBANON | FRY | WI02-1 | FRY-DIAMOND HILL | 230 | 0 |
| Willamette Valley | LEBANON | FRY | WI02-1B | CALAPOOYA-FRY-230KV | 230 | 0 |
| Willamette Valley | LEBANON | FRY | WI06 | FRY-MARYS RIVER-115KV | 115 | 0 |
| Willamette Valley | LEBANON | FRY | WI06-1 | FRY-CIRCLE BLVD-115KV | 115 | 0 |
| Willamette Valley | LEBANON | FRY | WI08 | FRY-WESTERN KRAFT-115KV | 115 | 0 |
| Willamette Valley | LEBANON | FRY | WI08-1 | FRY-MURDER CREEK-115KV | 115 | 0 |
| Willamette Valley | LEBANON | FRY | WI08-2 | MURDER CREEK-WESTREN KRAFT-115KV | 115 | 0 |
| Willamette Valley | LEBANON | FRY | WI08-3 | WESTERN KRAFT-CONSER TAP-115KV | 115 | 0 |
| Willamette Valley | LEBANON | FRY | WI11 | FRY-FOSTER-115KV | 115 | 0 |
| Willamette Valley | LEBANON | FRY | WI11-1 | FOSTER-BPA LEBANON-115KV | 115 | 0 |
| Willamette Valley | LEBANON | FRY | WI11-2 | FRY-LEBANON-115KV | 115 | 0 |
| Willamette Valley | LEBANON | FRY | WI11-3 | CROWFOOT-LEBANON-115KV | 115 | 0 |
| Willamette Valley | LEBANON | FRY | WI11-4 | CROWFOOT-SWEET HOME-115KV | 115 | 0 |
| Willamette Valley | LEBANON | FRY | WI11-5 | FOSTER-SWEET HOME-115KV | 115 | 0 |
| Willamette Valley | LEBANON | HALSEY SW STA | WI19-1 | HALSEY-LANCASTER TAP-69KV | 69 | 0 |
| Willamette Valley | LEBANON | LEBANON | 4M61 | TANGENT | 20.8 | 2,636 |
| Willamette Valley | LEBANON | LEBANON | 4M62 | RALSTON | 20.8 | 2,014 |
| Willamette Valley | LEBANON | LEBANON | 4M63 | TENNESSEE | 20.8 | 1,801 |
| Willamette Valley | LEBANON | LEBANON | 4M79 | CROWN Z | 20.8 | 1,170 |
| Willamette Valley | LEBANON | SWEET HOME | 4M37 | HOLLEY | 20.8 | 2,035 |
| Willamette Valley | LEBANON | SWEET HOME | 4M38 | NARROWS | 20.8 | 983 |
| Willamette Valley | LEBANON | SWEET HOME | 4M93 | AMES CREEK | 20.8 | 1,683 |
| Willamette Valley | LEBANON | SWEET HOME | 4M94 | FOSTER | 20.8 | 2,428 |
| Willamette Valley | PRINEVILLE | BALDWIN ROAD | CO14-5 | BALDWIN ROAD-HOUSTON LAKE-115KV | 115 | 0 |
| Willamette Valley | PRINEVILLE | BALDWIN ROAD | CO29 | BALDWIN ROAD-PILLAR(APPLE) | 115 | 1 |
| Willamette Valley | PRINEVILLE | HOUSTON LAKE | CO03-2 | HOUSTON LAKE-POWELL BUTTE-115KV | 115 | 0 |
| Willamette Valley | PRINEVILLE | HOUSTON LAKE | CO22 | HOUSTON LAKE-PRN1(FACEBOOK)-115KV | 115 | 0 |
| Willamette Valley | PRINEVILLE | HOUSTON LAKE | CO23 | HOUSTON LAKE-PRN2(FACEBOOK)-115KV | 115 | 0 |
| Willamette Valley | PRINEVILLE | PONDEROSA-P | CO24 | GALA SOLAR-PONDEROSA-115KV | 115 | 0 |
| Willamette Valley | STAYTON | BPA SANTIAM | ZB001 | BPA SANTIAM-BPA ALBANY#1-230KV | 230 | 0 |
| Willamette Valley | STAYTON | LYONS | 4M120 | MILL CITY | 20.8 | 691 |
| Willamette Valley | STAYTON | LYONS | 4M70 | MEHAMA | 20.8 | 1,939 |
| Willamette Valley | STAYTON | OLD LYONS | WI14-3A | TAP TO EVERGREEN BIO POWER-69KV | 69 | 1 |
| Willamette Valley | STAYTON | OLD LYONS | WI14-4 | LYONS-SANTIAM SWITCH STATION-69KV | 69 | 0 |
| Willamette Valley | STAYTON | PARRISH GAP | WI01-B | PARRISH GAP-PGE BETHEL-230KV | 230 | 0 |
| Willamette Valley | STAYTON | SCIO | 5M126 | THOMAS | 12.5 | 1,574 |
| Willamette Valley | STAYTON | SCIO | WI14-3 | SCIO-LYONS-69KV | 69 | 0 |
| Willamette Valley | STAYTON | STAYTON | 4M19 | AUMSVILLE | 20.8 | 3,471 |
| Willamette Valley | STAYTON | STAYTON | 4M353 | WEST STAYTON | 20.8 | 3,526 |
| Willamette Valley | STAYTON | STAYTON | 4M370 | CASCADE | 20.8 | 1,585 |
| Willamette Valley | STAYTON | STAYTON | 4M50 | 3RD STREET | 20.8 | 920 |
| Willamette Valley | STAYTON | STAYTON CITY | WI15-2 | STAYTON-SANTIAM SWITCH STATION-69KV | 69 | 0 |
| Willamette Valley | STAYTON | STAYTON CITY | WI15A | SANTIAM SW STA-SANTIAM(BPA)-69KV | 69 | 0 |

Oregon 2021 Circuit Metrics (excluding major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|--------------|---------------------|------------|-----------------------------|---------------------------------|-----------------------|------------------------|--------|-------|
| Central OR | BEND/REDMOND | BEND | 5D10 | PORTLAND AVE | 101 | 16,145 | 2,462 | 6.56 | 0.041 |
| Central OR | BEND/REDMOND | BEND | 5D11 | GLEN VISTA | 53 | 8,045 | 1,309 | 6.15 | 0.040 |
| Central OR | BEND/REDMOND | BEND | 5D12 | DIVISION ST. | 67 | 12,527 | 215 | 58.26 | 0.312 |
| Central OR | BEND/REDMOND | BEND | 5D196 | MALLARD | 1,470 | 277,049 | 1,412 | 196.21 | 1.041 |
| Central OR | BEND/REDMOND | BOND STREET | 5D411 | BACHELOR | 363 | 86,459 | 2,249 | 38.44 | 0.161 |
| Central OR | BEND/REDMOND | BOND STREET | 5D413 | OLD MILL. | 165 | 26,309 | 390 | 67.46 | 0.423 |
| Central OR | BEND/REDMOND | BOND STREET | 5D418 | BLAKELY | 164 | 8,595 | 1,356 | 6.34 | 0.121 |
| Central OR | BEND/REDMOND | CHINA HAT | 5D140 | LAVA (CHINA HAT) | 682 | 111,649 | 2,340 | 47.71 | 0.291 |
| Central OR | BEND/REDMOND | CHINA HAT | 5D142 | HIGH DESERT | 1,840 | 222,809 | 1,721 | 129.46 | 1.069 |
| Central OR | BEND/REDMOND | CHINA HAT | 5D144 | D.R.W. | 105 | 25,616 | 2,548 | 10.05 | 0.041 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D30 | ARROWHEAD | 447 | 47,878 | 1,283 | 37.32 | 0.348 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D35 | WICKIUP | 95 | 17,660 | 1,066 | 16.57 | 0.089 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D38 | TOMAHAWK | 290 | 75,129 | 1,455 | 51.63 | 0.199 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D94 | TEEPÉE | 282 | 49,261 | 3,926 | 12.55 | 0.072 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D96 | OBSIDIAN | 45 | 3,333 | 912 | 3.65 | 0.049 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D98 | HUCKLEBERRY | 27 | 4,410 | 1,181 | 3.73 | 0.023 |
| Central OR | BEND/REDMOND | CROOKED RIVER RANCH | 4D131 | CANYON | 54 | 11,689 | 1,816 | 6.44 | 0.030 |
| Central OR | BEND/REDMOND | CROOKED RIVER RANCH | 4D30 | CROOKED R.R. | 75 | 27,200 | 800 | 34.00 | 0.094 |
| Central OR | BEND/REDMOND | DESCHUTES | 5D184 | PRONGHORN | 1,176 | 67,819 | 1,135 | 59.75 | 1.036 |
| Central OR | BEND/REDMOND | DESCHUTES | 5D2 | DESCHUTES S | 370 | 84,420 | 1,036 | 81.49 | 0.357 |
| Central OR | BEND/REDMOND | HUNTERS CIRCLE | 5D192 | Mackinaw | 34 | 2,854 | 736 | 3.88 | 0.046 |
| Central OR | BEND/REDMOND | OVERPASS | 5D104 | AWBREY | 195 | 17,077 | 1,961 | 8.71 | 0.099 |
| Central OR | BEND/REDMOND | OVERPASS | 5D106 | NEZ PERCE | 523 | 84,892 | 2,716 | 31.26 | 0.193 |
| Central OR | BEND/REDMOND | OVERPASS | 5D120 | CHINOOK | 227 | 123,089 | 1,825 | 67.45 | 0.124 |
| Central OR | BEND/REDMOND | OVERPASS | 5D128 | PAIUTE | 31 | 5,116 | 2,232 | 2.29 | 0.014 |
| Central OR | BEND/REDMOND | OVERPASS | 5D155 | APACHE | 1 | 39 | 828 | 0.05 | 0.001 |
| Central OR | BEND/REDMOND | PILOT BUTTE | 5D261 | KLONDIKE | 215 | 26,820 | 1,524 | 17.60 | 0.141 |
| Central OR | BEND/REDMOND | PILOT BUTTE | 5D263 | DRAKE FEEDER | 423 | 35,339 | 2,533 | 13.95 | 0.167 |
| Central OR | BEND/REDMOND | PILOT BUTTE | 5D265 | DOBBIN | 2,179 | 139,649 | 1,718 | 81.29 | 1.268 |
| Central OR | BEND/REDMOND | REDMOND | 5D21 | SOUTH (REDMOND) | 28 | 5,410 | 838 | 6.46 | 0.033 |
| Central OR | BEND/REDMOND | REDMOND | 5D22 | INDUSTRIAL | 355 | 76,740 | 1,549 | 49.54 | 0.229 |
| Central OR | BEND/REDMOND | REDMOND | 5D223 | TETHEROW | 6 | 1,049 | 894 | 1.17 | 0.007 |
| Central OR | BEND/REDMOND | REDMOND | 5D226 | CLINE FALLS | 419 | 59,764 | 1,536 | 38.91 | 0.273 |
| Central OR | BEND/REDMOND | REDMOND | 5D227 | WINDSOR | 286 | 42,527 | 3,313 | 12.84 | 0.086 |
| Central OR | BEND/REDMOND | REDMOND | 5D228 | CITY | 20 | 2,769 | 1,307 | 2.12 | 0.015 |
| Central OR | BEND/REDMOND | REDMOND | 5D229 | JUNIPER | 245 | 50,691 | 429 | 118.16 | 0.571 |
| Central OR | BEND/REDMOND | SHEVLIN PARK | 5D238 | WOLVERINE (SHP) (WAS 5D327) | 404 | 110,321 | 2,810 | 39.26 | 0.144 |
| Central OR | BEND/REDMOND | SHEVLIN PARK | 5D241 | BADGER (SHP) | 625 | 79,550 | 2,839 | 28.02 | 0.220 |
| Central OR | BEND/REDMOND | SHEVLIN PARK | 5D243 | Black Bear | 90 | 40,895 | 1,878 | 21.78 | 0.048 |
| Central OR | BEND/REDMOND | YEW AVENUE | 5D322 | BIRDIE | 75 | 9,117 | 2,348 | 3.88 | 0.032 |
| Central OR | BEND/REDMOND | YEW AVENUE | 5D323 | FAIRWAY | 1 | 235 | 395 | 0.60 | 0.003 |
| Central OR | BEND/REDMOND | YEW AVENUE | 5D325 | EAGLE | 21 | 795 | 2,908 | 0.27 | 0.007 |

Oregon 2021 Circuit Metrics (excluding major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|-------------------|------------------|------------|---------------------------|---------------------------------|-----------------------|------------------------|----------|--------|
| Central OR | MADRAS | CHERRY LANE | 5D295 | 7 PEAKS | 15 | 1,767 | 149 | 11.86 | 0.101 |
| Central OR | MADRAS | CULVER | 5D5 | CULVER | 1,004 | 150,794 | 1,857 | 81.20 | 0.541 |
| Central OR | MADRAS | MADRAS | 5D52 | MADRAS RURAL | 197 | 36,242 | 1,074 | 33.75 | 0.183 |
| Central OR | MADRAS | MADRAS | 5D53 | AGATE | 271 | 27,698 | 1,345 | 20.59 | 0.201 |
| Central OR | MADRAS | MADRAS | 5D57 | QUARTZ | 1,657 | 259,050 | 1,443 | 179.52 | 1.148 |
| Central OR | MADRAS | MADRAS | 5D61 | MADRAS CITY | 4 | 243 | 1,288 | 0.19 | 0.003 |
| Central OR | MADRAS | POWELL BUTTE | 5D1 | POWELL BUTTE | 189 | 45,895 | 665 | 69.02 | 0.284 |
| Central OR | MADRAS | PRINEVILLE | 5D126 | RIMROCK | 908 | 18,747 | 889 | 21.09 | 1.021 |
| Central OR | MADRAS | PRINEVILLE | 5D167 | NORTHVILLE | 11,170 | 443,124 | 2,756 | 160.79 | 4.053 |
| Central OR | MADRAS | PRINEVILLE | 5D25 | OCHOCO | 1,112 | 54,542 | 1,006 | 54.22 | 1.105 |
| Central OR | MADRAS | PRINEVILLE | 5D47 | MC KAY (PRINEVILLE) | 1,229 | 113,817 | 1,885 | 60.38 | 0.652 |
| Central OR | MADRAS | PRINEVILLE | 5D48 | LAMONTA | 1,929 | 508,090 | 633 | 802.67 | 3.047 |
| Central OR | MADRAS | PRINEVILLE | 5D50 | PINE CONE | 1,594 | 172,351 | 78 | 2,209.63 | 20.436 |
| Central OR | MADRAS | PRINEVILLE | 5D69 | GRIMES FLAT | 450 | 71,639 | 1,636 | 43.79 | 0.275 |
| Central OR | MADRAS | WARM SPRINGS | 4D68 | WARM SPRINGS (OR) | 4,698 | 673,940 | 986 | 683.51 | 4.765 |
| CoastPlus | CLATSOP (ASTORIA) | CANNON BEACH | 5A10 | HAYSTACK | 6,836 | 434,698 | 1,624 | 267.67 | 4.209 |
| CoastPlus | CLATSOP (ASTORIA) | CANNON BEACH | 5A8 | ECOLA | 3,806 | 331,055 | 1,215 | 272.47 | 3.133 |
| CoastPlus | CLATSOP (ASTORIA) | FERN HILL SUB | 5A51 | JOHN DAY | 1,230 | 209,735 | 270 | 776.80 | 4.556 |
| CoastPlus | CLATSOP (ASTORIA) | FERN HILL SUB | 5A52 | SCANDINAVIAN | 395 | 96,519 | 389 | 248.12 | 1.015 |
| CoastPlus | CLATSOP (ASTORIA) | KNAPPA SVENSEN | 5A92 | SVENSEN | 1,723 | 224,073 | 733 | 305.69 | 2.351 |
| CoastPlus | CLATSOP (ASTORIA) | KNAPPA SVENSEN | 5A93 | BRADWOOD | 2,922 | 428,222 | 934 | 458.48 | 3.128 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | 5A80 | GROVE | 5,198 | 110,982 | 2,410 | 46.05 | 2.157 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | 5A81 | CENTRAL | 4,910 | 353,429 | 1,625 | 217.50 | 3.022 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | 5A82 | NECANICUM | 3,237 | 119,260 | 1,217 | 98.00 | 2.660 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | 5A83 | GEARHART | 11,970 | 1,681,079 | 3,420 | 491.54 | 3.500 |
| CoastPlus | CLATSOP (ASTORIA) | WARRENTON | 5A15 | CITY | 5 | 186 | 280 | 0.66 | 0.018 |
| CoastPlus | CLATSOP (ASTORIA) | WARRENTON | 5A16 | MILL (WARRENTON) | 292 | 54,429 | 2,287 | 23.80 | 0.128 |
| CoastPlus | CLATSOP (ASTORIA) | WARRENTON | 5A20 | SOUTH (WARRENTON) | 1,744 | 183,215 | 1,742 | 105.17 | 1.001 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A202 | PORT DOCK | 91 | 31,503 | 1,184 | 26.61 | 0.077 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A204 | MOO COW | 1,998 | 246,071 | 1,185 | 207.65 | 1.686 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A205 | FIFTH STREET | 1,156 | 480,696 | 983 | 489.01 | 1.176 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A210 | YOUNGS BAY #10 | 38 | 5,677 | 942 | 6.03 | 0.040 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A211 | OLNEY | 1,449 | 510,429 | 1,101 | 463.60 | 1.316 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A213 | INDUSTRIAL | 1,472 | 201,647 | 1,380 | 146.12 | 1.067 |
| CoastPlus | COOS BAY/COQUILLE | BANDON TIE (BPA) | 1804 | BANDON | 1,608 | 208,425 | 759 | 274.60 | 2.119 |
| CoastPlus | COOS BAY/COQUILLE | COOS RIVER | 4C106 | COOS RIVER | 4,120 | 315,561 | 1,356 | 232.71 | 3.038 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | 4C41 | HENRY STREET | 3,674 | 299,860 | 1,684 | 178.06 | 2.182 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | 4C42 | TERRES HGHTS | 2,392 | 606,709 | 1,551 | 391.17 | 1.542 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | 4C43 | INDUSTRIAL | 6 | 717 | 151 | 4.75 | 0.040 |
| CoastPlus | COOS BAY/COQUILLE | EMPIRE | 4C108 | EMPIRE | 143 | 38,210 | 1,747 | 21.87 | 0.082 |
| CoastPlus | COOS BAY/COQUILLE | EMPIRE | 4C89 | SCOTT | 277 | 26,744 | 1,443 | 18.53 | 0.192 |
| CoastPlus | COOS BAY/COQUILLE | EMPIRE | 4C90 | CHARLESTON | 911 | 101,394 | 2,097 | 48.35 | 0.434 |
| CoastPlus | COOS BAY/COQUILLE | JORDAN POINT | 5C6 | SAND DUNES (JORDAN POINT) | 2 | 113 | 29 | 3.88 | 0.069 |

Oregon 2021 Circuit Metrics (excluding major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|-------------------|--------------------|------------|----------------------|---------------------------------|-----------------------|------------------------|----------|-------|
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C48 | CITY CENTER | 836 | 75,550 | 1,503 | 50.27 | 0.556 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C49 | EASTSIDE | 251 | 26,049 | 785 | 33.18 | 0.320 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C5 | GEORGIA-PAC | 3 | 101 | 89 | 1.14 | 0.034 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C50 | BUNKERHILL | 438 | 75,012 | 1,838 | 40.81 | 0.238 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C97 | ENGLEWOOD | 1,948 | 159,535 | 1,381 | 115.52 | 1.411 |
| CoastPlus | COOS BAY/COQUILLE | MYRTLE POINT | 4C36 | NORTH (MYRTLE POINT) | 1,191 | 183,594 | 336 | 546.41 | 3.545 |
| CoastPlus | COOS BAY/COQUILLE | MYRTLE POINT | 4C37 | MAPLE STREET | 841 | 144,173 | 2,079 | 69.35 | 0.405 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | 4C112 | WOODLAND | 235 | 34,213 | 1,810 | 18.90 | 0.130 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | 4C66 | BAYSHORE | 1,413 | 215,090 | 1,718 | 125.20 | 0.822 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | 4C67 | INDUSTRIAL | 200 | 14,184 | 2,220 | 6.39 | 0.090 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | 4C86 | BANGOR | 977 | 157,499 | 1,802 | 87.40 | 0.542 |
| CoastPlus | HOOD RIVER | GORDON HOLLOW | 4K1 | SHERMAN 208 | 569 | 79,033 | 711 | 111.16 | 0.800 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K37 | RESIDENTIAL | 332 | 26,501 | 2,111 | 12.55 | 0.157 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K43 | BELMONT | 119 | 52,686 | 1,214 | 43.40 | 0.098 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K44 | NORTH (HOOD RIVER) | 2,078 | 455,777 | 1,809 | 251.95 | 1.149 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K70 | EASTSIDE | 457 | 119,744 | 1,065 | 112.44 | 0.429 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K74 | SOUTH (HOOD RIVER) | 104 | 14,652 | 1,599 | 9.16 | 0.065 |
| CoastPlus | HOOD RIVER | KENWOOD | 5K50 | OAKGROVE | 1,580 | 206,742 | 806 | 256.50 | 1.960 |
| CoastPlus | HOOD RIVER | WASCO | 7K1 | WASCO | 10 | 1,683 | 278 | 6.05 | 0.036 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | 4A310 | INLAND FEEDER | 2,006 | 337,813 | 1,917 | 176.22 | 1.046 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | 4A312 | OCEAN | 6,323 | 293,652 | 3,015 | 97.40 | 2.097 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | 4A316 | LAKE (DEVILS LAKE) | 19,040 | 1,717,101 | 4,316 | 397.85 | 4.411 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | 4A338 | SIUSLAW | 2,889 | 315,924 | 664 | 475.79 | 4.351 |
| CoastPlus | LINCOLN CITY | GLENEDEN | 7A364 | GLENEDEN | 1,193 | 204,007 | 712 | 286.53 | 1.676 |
| CoastPlus | LINCOLN CITY | GLENEDEN | 7A366 | SALISHAN | 966 | 207,879 | 360 | 577.44 | 2.683 |
| CoastPlus | LINCOLN CITY | NELSCOTT | 7A390 | NELSCOTT | 570 | 66,261 | 354 | 187.18 | 1.610 |
| CoastPlus | LINCOLN CITY | PGE GRAND RONDE | R114 | BOYER | 1 | 63 | 19 | 3.32 | 0.053 |
| CoastPlus | LINCOLN CITY | WECOMA BEACH | 7A354 | WECOMA | 757 | 15,921 | 723 | 22.02 | 1.047 |
| CoastPlus | PORTLAND | ALBINA | 5P150 | ALBINA 11C15 | 1 | 174 | 135 | 1.29 | 0.007 |
| CoastPlus | PORTLAND | ALDERWOOD 115/12.5 | 5P22 | ALDERWOOD #2 | 1 | 69 | 201 | 0.34 | 0.005 |
| CoastPlus | PORTLAND | ALDERWOOD 115/12.5 | 5P33 | ALDERWOOD #4 | 22 | 6,138 | 181 | 33.91 | 0.122 |
| CoastPlus | PORTLAND | ALDERWOOD 115/12.5 | 5P604 | ALDERWOOD #3 | 3 | 2,527 | 197 | 12.83 | 0.015 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P266 | COLUMBIA #2 | 2,736 | 272,701 | 2,629 | 103.73 | 1.041 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P268 | COLUMBIA #1 | 403 | 61,231 | 357 | 171.52 | 1.129 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P474 | COLUMBIA #6 | 8 | 3,778 | 546 | 6.92 | 0.015 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P476 | COLUMBIA #3 | 102 | 34,575 | 865 | 39.97 | 0.118 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P478 | COLUMBIA #4 | 27 | 3,031 | 1,140 | 2.66 | 0.024 |
| CoastPlus | PORTLAND | CULLY | 5P288 | CULLY #3-UG | 50 | 8,799 | 817 | 10.77 | 0.061 |
| CoastPlus | PORTLAND | CULLY | 5P290 | CULLY #2 | 13 | 2,214 | 2,424 | 0.91 | 0.005 |
| CoastPlus | PORTLAND | CULLY | 5P292 | CULLY #1 | 188 | 30,677 | 2,941 | 10.43 | 0.064 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | 5P145 | HOLLADAY #1-UG | 204 | 210,152 | 206 | 1,020.16 | 0.990 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | 5P147 | HOLLADAY #3-UG | 511 | 523,154 | 166 | 3,151.53 | 3.078 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | 5P158 | HOLLADAY #6 | 922 | 74,958 | 914 | 82.01 | 1.009 |

Oregon 2021 Circuit Metrics (excluding major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|--------------|-----------------|------------|--------------------|---------------------------------|-----------------------|------------------------|--------|--------|
| CoastPlus | PORTLAND | HOLLYWOOD | 5P203 | HOLLYWOOD #3 | 21 | 3,899 | 1,475 | 2.64 | 0.014 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P204 | HOLLYWOOD #2 | 4 | 325 | 672 | 0.48 | 0.006 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P205 | HOLLYWOOD #1 | 114 | 17,094 | 2,226 | 7.68 | 0.051 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P208 | HOLLYWOOD #5 | 143 | 27,241 | 3,451 | 7.89 | 0.041 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P209 | HOLLYWOOD #4 | 179 | 33,048 | 2,362 | 13.99 | 0.076 |
| CoastPlus | PORTLAND | KENNEDY | 5P12 | CB 5P12 | 198 | 23,022 | 0 | #DIV/0 | #DIV/0 |
| CoastPlus | PORTLAND | KENNEDY | 5P14 | CB 5P14 | 106 | 17,375 | 0 | #DIV/0 | #DIV/0 |
| CoastPlus | PORTLAND | KENNEDY | 5P15 | CB 5P15 | 173 | 30,014 | 0 | #DIV/0 | #DIV/0 |
| CoastPlus | PORTLAND | KILLINGSWORTH | 5P217 | KILLINGSWORTH #5 | 332 | 52,479 | 434 | 120.92 | 0.765 |
| CoastPlus | PORTLAND | KILLINGSWORTH | 5P41 | KILLINGSWORTH #4 | 111 | 10,821 | 2,871 | 3.77 | 0.039 |
| CoastPlus | PORTLAND | KILLINGSWORTH | 5P89 | KILLINGSWORTH #2 | 102 | 21,051 | 3,196 | 6.59 | 0.032 |
| CoastPlus | PORTLAND | KNOTT | 5P231 | KNOTT #1 | 25 | 2,991 | 524 | 5.71 | 0.048 |
| CoastPlus | PORTLAND | KNOTT | 5P232 | KNOTT #2 | 3,071 | 401,201 | 2,762 | 145.26 | 1.112 |
| CoastPlus | PORTLAND | KNOTT | 5P233 | KNOTT #3 | 4,441 | 947,387 | 2,270 | 417.35 | 1.956 |
| CoastPlus | PORTLAND | KNOTT | 5P366 | 11010 | 4 | 1,012 | 57 | 17.75 | 0.070 |
| CoastPlus | PORTLAND | KNOTT | 5P368 | 11022 | 2 | 72 | 17 | 4.23 | 0.118 |
| CoastPlus | PORTLAND | KNOTT | 5P372 | 11046 | 12 | 1,890 | 792 | 2.39 | 0.015 |
| CoastPlus | PORTLAND | KNOTT | 5P374 | 11020 | 66 | 17,086 | 993 | 17.21 | 0.066 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P430 | 11D05-UG | 366 | 311,081 | 368 | 845.33 | 0.995 |
| CoastPlus | PORTLAND | MALLORY | 5P162 | MALLORY #1 | 17 | 1,926 | 2,322 | 0.83 | 0.007 |
| CoastPlus | PORTLAND | MALLORY | 5P164 | MALLORY #2 | 624 | 72,669 | 4,033 | 18.02 | 0.155 |
| CoastPlus | PORTLAND | PARKROSE | 5P244 | PARKROSE#4 | 319 | 43,349 | 3,115 | 13.92 | 0.102 |
| CoastPlus | PORTLAND | PARKROSE | 5P246 | PARKROSE#3 | 301 | 87,274 | 3,093 | 28.22 | 0.097 |
| CoastPlus | PORTLAND | PARKROSE | 5P250 | PARKROSE#2 | 71 | 7,007 | 648 | 10.81 | 0.110 |
| CoastPlus | PORTLAND | PARKROSE | 5P252 | PARKROSE#1 | 472 | 35,231 | 1,795 | 19.63 | 0.263 |
| CoastPlus | PORTLAND | RUSSELLVILLE | 5P274 | RUSSELLVILLE #3 | 3,224 | 516,031 | 3,117 | 165.55 | 1.034 |
| CoastPlus | PORTLAND | RUSSELLVILLE | 5P276 | RUSSELLVILLE #4 | 121 | 14,557 | 2,476 | 5.88 | 0.049 |
| CoastPlus | PORTLAND | RUSSELLVILLE | 5P278 | RUSSELLVILLE #1 | 3,400 | 300,152 | 3,325 | 90.27 | 1.023 |
| CoastPlus | PORTLAND | RUSSELLVILLE | 5P280 | RUSSELLVILLE #2 | 1,735 | 471,366 | 1,261 | 373.80 | 1.376 |
| CoastPlus | PORTLAND | VERNON | 5P391 | VERNON #1 | 102 | 13,051 | 1,796 | 7.27 | 0.057 |
| CoastPlus | PORTLAND | VERNON | 5P392 | VERNON NO. 2 | 228 | 65,852 | 2,612 | 25.21 | 0.087 |
| CoastPlus | PORTLAND | VERNON | 5P393 | VERNON #3 | 3,656 | 301,606 | 5,202 | 57.98 | 0.703 |
| CoastPlus | PORTLAND | VERNON | 5P394 | VERNON # 4 | 149 | 26,450 | 3,508 | 7.54 | 0.042 |
| CoastPlus | PORTLAND | VERNON | 5P395 | VERNON # 5 | 65 | 10,854 | 2,278 | 4.76 | 0.029 |
| Northeast OR | ENTERPRISE | ENTERPRISE (OR) | 4W8 | CREIGHTON LN | 364 | 103,199 | 1,494 | 69.08 | 0.244 |
| Northeast OR | ENTERPRISE | ENTERPRISE (OR) | 5W15 | CITY | 11 | 738 | 952 | 0.78 | 0.012 |
| Northeast OR | ENTERPRISE | ENTERPRISE (OR) | 5W26 | RURAL (ENTERPRISE) | 377 | 101,382 | 1,097 | 92.42 | 0.344 |
| Northeast OR | ENTERPRISE | JOSEPH | 5W21 | PRAIRIE | 304 | 58,085 | 856 | 67.86 | 0.355 |
| Northeast OR | ENTERPRISE | MINAM | 5W18 | MINAM | 15 | 824 | 13 | 63.39 | 1.154 |
| Northeast OR | ENTERPRISE | PALLETTE | 4W14 | PALLETTE NORTH | 449 | 109,441 | 175 | 625.38 | 2.566 |
| Northeast OR | ENTERPRISE | PALLETTE | 4W15 | PALLETTE SOUTH | 127 | 55,740 | 57 | 977.89 | 2.228 |
| Northeast OR | ENTERPRISE | WALLOWA | 5W28 | CITY | 1,202 | 82,693 | 887 | 93.23 | 1.355 |

Oregon 2021 Circuit Metrics (excluding major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|--------------|-----------------|------------|-----------------------|---------------------------------|-----------------------|------------------------|----------|--------|
| Northeast OR | HERMISTON | ARLINGTON | 5K25 | ARLINGTON | 30 | 3,311 | 516 | 6.42 | 0.058 |
| Northeast OR | HERMISTON | BLALOCK | 5K40 | BLALOCK | 1 | 150 | 21 | 7.17 | 0.048 |
| Northeast OR | HERMISTON | DALREED | 4K16 | WILLOW COVE | 77 | 17,746 | 70 | 253.52 | 1.100 |
| Northeast OR | HERMISTON | DALREED | 4K36 | SIMTAG | 23 | 987 | 21 | 46.98 | 1.095 |
| Northeast OR | HERMISTON | DALREED | 4K46 | BOEING | 340 | 104,885 | 178 | 589.24 | 1.910 |
| Northeast OR | HERMISTON | HERMISTON | 5W602 | RURAL (HERMISTON) | 3,460 | 144,155 | 1,407 | 102.46 | 2.459 |
| Northeast OR | HERMISTON | HINKLE | 5W82 | MEADOWS | 2,056 | 399,045 | 380 | 1,050.12 | 5.411 |
| Northeast OR | HERMISTON | UMATILLA | 5W658 | UMATILLA | 36 | 6,655 | 1,308 | 5.09 | 0.028 |
| Northeast OR | HERMISTON | UMATILLA | 5W660 | MCNARY | 604 | 125,527 | 945 | 132.83 | 0.639 |
| Northeast OR | PENDLETON | ATHENA | 5W703 | CITY | 308 | 31,011 | 850 | 36.48 | 0.362 |
| Northeast OR | PENDLETON | ATHENA | 5W705 | HELIX | 209 | 31,783 | 425 | 74.78 | 0.492 |
| Northeast OR | PENDLETON | BUCKAROO | 5W201 | STATE HOSP. | 61 | 8,923 | 389 | 22.94 | 0.157 |
| Northeast OR | PENDLETON | BUCKAROO | 5W202 | REITH | 814 | 122,447 | 1,558 | 78.59 | 0.522 |
| Northeast OR | PENDLETON | BUCKAROO | 5W203 | MONTEE | 2,680 | 292,192 | 1,771 | 164.99 | 1.513 |
| Northeast OR | PENDLETON | MCKAY (OR) | 5W856 | MCKAY | 227 | 24,983 | 0 | #DIV/0 | #DIV/0 |
| Northeast OR | PENDLETON | PENDLETON | 5W401 | WEST HILLS | 1,343 | 123,268 | 1,671 | 73.77 | 0.804 |
| Northeast OR | PENDLETON | PENDLETON | 5W402 | HARRIS HTS | 301 | 26,225 | 2,074 | 12.64 | 0.145 |
| Northeast OR | PENDLETON | PENDLETON | 5W403 | MISSION | 2,263 | 150,318 | 1,048 | 143.43 | 2.159 |
| Northeast OR | PENDLETON | PENDLETON | 7W451 | BUSINESS | 1 | 52 | 273 | 0.19 | 0.004 |
| Northeast OR | PENDLETON | PENDLETON | 7W452 | NORTHWEST | 555 | 43,441 | 531 | 81.81 | 1.045 |
| Northeast OR | PENDLETON | PENDLETON | 7W453 | SOUTHWEST (PENDELTON) | 1 | 265 | 333 | 0.80 | 0.003 |
| Northeast OR | PENDLETON | PILOT ROCK | 5W406 | PILOT ROCK CITY | 351 | 73,283 | 1,402 | 52.27 | 0.250 |
| Northeast OR | PENDLETON | WESTON NEW (OR) | 5W7 | SCOTTS FEEDER | 207 | 37,334 | 453 | 82.41 | 0.457 |
| Northeast OR | WALLA WALLA | UMAPINE | 5W105 | UMAPINE FEEDER | 59 | 13,649 | 968 | 14.10 | 0.061 |
| Northeast OR | WALLA WALLA | UMAPINE | 5W106 | FERNDALE | 522 | 108,001 | 1,352 | 79.88 | 0.386 |
| Southern OR | GRANTS PASS | AGNESS AVE | 5R172 | SPALDING MILL | 1,822 | 140,050 | 889 | 157.54 | 2.049 |
| Southern OR | GRANTS PASS | AGNESS AVE | 5R173 | JONES CREEK | 908 | 6,919 | 884 | 7.83 | 1.027 |
| Southern OR | GRANTS PASS | AGNESS AVE | 5R322 | ANTEATER | 2,280 | 45,743 | 1,004 | 45.56 | 2.271 |
| Southern OR | GRANTS PASS | APPLEGATE | 5R267 | MURPHY | 4,953 | 526,771 | 1,060 | 496.95 | 4.673 |
| Southern OR | GRANTS PASS | APPLEGATE | 5R278 | HIGHWAY | 3,742 | 303,517 | 1,331 | 228.04 | 2.811 |
| Southern OR | GRANTS PASS | BEACON | 5R104 | SAVAGE ST | 1,366 | 20,247 | 1,277 | 15.86 | 1.070 |
| Southern OR | GRANTS PASS | BEACON | 5R105 | BEACON ST | 974 | 40,946 | 848 | 48.29 | 1.149 |
| Southern OR | GRANTS PASS | CAVE JUNCTION | 5R52 | FREE & EASY | 3,713 | 351,561 | 2,454 | 143.26 | 1.513 |
| Southern OR | GRANTS PASS | CAVE JUNCTION | 5R53 | ROUGH & READY | 2,679 | 182,808 | 1,545 | 118.32 | 1.734 |
| Southern OR | GRANTS PASS | CAVEMAN | 5R295 | QUAIL | 161 | 31,370 | 1,122 | 27.96 | 0.143 |
| Southern OR | GRANTS PASS | CAVEMAN | 5R82 | WASHINGTON | 284 | 62,162 | 1,207 | 51.50 | 0.235 |
| Southern OR | GRANTS PASS | CAVEMAN | 5R98 | MANZANITA | 603 | 78,611 | 575 | 136.71 | 1.049 |
| Southern OR | GRANTS PASS | CAVEMAN | 5R99 | CAVEMAN | 1,587 | 85,880 | 1,213 | 70.80 | 1.308 |
| Southern OR | GRANTS PASS | DOWELL | 5R331 | DOVE | 476 | 36,870 | 1,499 | 24.60 | 0.318 |
| Southern OR | GRANTS PASS | DOWELL | 5R334 | DUCK | 648 | 175,730 | 2,552 | 68.86 | 0.254 |
| Southern OR | GRANTS PASS | EASY VALLEY | 5R123 | G STREET | 533 | 36,970 | 2,212 | 16.71 | 0.241 |
| Southern OR | GRANTS PASS | EASY VALLEY | 5R125 | ROGUE | 119 | 16,309 | 1,809 | 9.02 | 0.066 |
| Southern OR | GRANTS PASS | EASY VALLEY | 5R259 | CHINOOK | 1,963 | 138,303 | 1,343 | 102.98 | 1.462 |

Oregon 2021 Circuit Metrics (excluding major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|---------------|---------------------|------------|-------------------------------|---------------------------------|-----------------------|------------------------|--------|-------|
| Southern OR | GRANTS PASS | FIELDER CREEK | 4R33 | ELK FDR. | 5,624 | 532,507 | 1,849 | 288.00 | 3.042 |
| Southern OR | GRANTS PASS | FIELDER CREEK | 4R34 | BEAR FDR | 2,859 | 388,134 | 865 | 448.71 | 3.305 |
| Southern OR | GRANTS PASS | GLENDALE SUBSTATION | 5R133 | GLENDALE | 6,566 | 1,713,587 | 1,884 | 909.55 | 3.485 |
| Southern OR | GRANTS PASS | GLENDALE SUBSTATION | 5R143 | INDUSTRIAL | 775 | 59,506 | 657 | 90.57 | 1.180 |
| Southern OR | GRANTS PASS | JEROME PRAIRIE | 5R62 | WILD PRAIRIE | 4,787 | 275,724 | 1,643 | 167.82 | 2.914 |
| Southern OR | GRANTS PASS | JEROME PRAIRIE | 5R63 | WOOD RIVER | 1,814 | 58,263 | 1,610 | 36.19 | 1.127 |
| Southern OR | GRANTS PASS | MERLIN | 5R232 | MERLIN-HUGO | 258 | 45,588 | 1,024 | 44.52 | 0.252 |
| Southern OR | GRANTS PASS | MERLIN | 5R234 | PARADISE | 94 | 23,080 | 1,208 | 19.11 | 0.078 |
| Southern OR | GRANTS PASS | MERLIN | 5R248 | PLEASANT VALLEY-MERLIN FEEDER | 1,035 | 180,536 | 1,139 | 158.50 | 0.909 |
| Southern OR | GRANTS PASS | MERLIN | 5R251 | BADGER | 379 | 67,944 | 931 | 72.98 | 0.407 |
| Southern OR | GRANTS PASS | MERLIN | 5R288 | MONARCH | 3,897 | 420,123 | 1,758 | 238.98 | 2.217 |
| Southern OR | GRANTS PASS | OBRIEN | 5R106 | O'BRIEN | 1,248 | 111,536 | 430 | 259.39 | 2.902 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R114 | FRUITDALE | 6,903 | 440,629 | 2,203 | 200.01 | 3.133 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R115 | ALLEN CREEK | 1,051 | 11,822 | 1,004 | 11.77 | 1.047 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R121 | NEW HOPE | 2,593 | 184,082 | 2,181 | 84.40 | 1.189 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R164 | EXPRESS | 647 | 162,746 | 322 | 505.42 | 2.009 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R169 | PORTOLA | 4,320 | 650,774 | 1,401 | 464.51 | 3.084 |
| Southern OR | GRANTS PASS | PROVOLT | 5R67 | NORTH-SOUTH | 3,275 | 305,879 | 1,456 | 210.08 | 2.249 |
| Southern OR | GRANTS PASS | ROGUE RIVER | 5R77 | SAVAGE/WIMMER | 3,961 | 150,297 | 1,885 | 79.73 | 2.101 |
| Southern OR | GRANTS PASS | ROGUE RIVER | 5R78 | ROCKY POINT (ROGUE RIVER) | 1,385 | 89,430 | 1,065 | 83.97 | 1.300 |
| Southern OR | GRANTS PASS | SELMA | 5R65 | DEER CREEK | 2,888 | 326,934 | 1,204 | 271.54 | 2.399 |
| Southern OR | KLAMATH FALLS | BEATTY | 5L1 | BEATTY | 519 | 46,845 | 384 | 121.99 | 1.352 |
| Southern OR | KLAMATH FALLS | BLY | 5L14 | TOWN (BLY) | 511 | 42,397 | 422 | 100.47 | 1.211 |
| Southern OR | KLAMATH FALLS | BONANZA (OR) | 5L7 | POE VALLEY | 623 | 197,764 | 475 | 416.35 | 1.312 |
| Southern OR | KLAMATH FALLS | BRYANT | 5L2 | GARY STREET | 88 | 14,500 | 2,148 | 6.75 | 0.041 |
| Southern OR | KLAMATH FALLS | BRYANT | 5L3 | WASHBURN | 84 | 15,788 | 1,823 | 8.66 | 0.046 |
| Southern OR | KLAMATH FALLS | BRYANT | 5L4 | SUMMERS LANE | 41 | 4,242 | 1,960 | 2.16 | 0.021 |
| Southern OR | KLAMATH FALLS | BRYANT | 5L5 | MOYINA HTS. | 770 | 127,972 | 2,474 | 51.73 | 0.311 |
| Southern OR | KLAMATH FALLS | CASEBEER SUB | 4L16 | LANGELL VLY | 2,207 | 567,226 | 1,168 | 485.64 | 1.890 |
| Southern OR | KLAMATH FALLS | CHILOQUIN | 5L57 | CRATER LAKE | 1,524 | 284,508 | 1,032 | 275.69 | 1.477 |
| Southern OR | KLAMATH FALLS | CHILOQUIN MRKT | 5L37 | WILLIAMSON | 134 | 42,161 | 571 | 73.84 | 0.235 |
| Southern OR | KLAMATH FALLS | DAIRY | 5L42 | SWAN LAKE | 430 | 91,474 | 260 | 351.82 | 1.654 |
| Southern OR | KLAMATH FALLS | DAIRY | 5L43 | DAIRY | 1,374 | 138,969 | 494 | 281.31 | 2.781 |
| Southern OR | KLAMATH FALLS | HAMAKER | 5L55 | KENO | 1,464 | 291,833 | 1,702 | 171.46 | 0.860 |
| Southern OR | KLAMATH FALLS | HENLEY | 5L58 | HENLEY | 702 | 33,409 | 232 | 144.00 | 3.026 |
| Southern OR | KLAMATH FALLS | HENLEY | 5L59 | WEST | 1,086 | 61,130 | 538 | 113.62 | 2.019 |
| Southern OR | KLAMATH FALLS | HORNET | 5L44 | HOMEDALE | 5,804 | 1,316,190 | 2,829 | 465.25 | 2.052 |
| Southern OR | KLAMATH FALLS | HORNET | 5L45 | CRYSTAL SPR | 1,625 | 135,504 | 1,479 | 91.62 | 1.099 |
| Southern OR | KLAMATH FALLS | LAKEPORT | 5L49 | WOCUS | 9 | 1,177 | 232 | 5.07 | 0.039 |
| Southern OR | KLAMATH FALLS | LAKEPORT | 5L54 | SOUTH (LAKEPORT) | 2,323 | 177,931 | 2,443 | 72.83 | 0.951 |
| Southern OR | KLAMATH FALLS | MERRILL (OR) | 5L26 | LAKE (MERRILL) | 2,008 | 48,679 | 985 | 49.42 | 2.039 |
| Southern OR | KLAMATH FALLS | MERRILL (OR) | 5L27 | NORTH (MERRILL) | 1,255 | 41,331 | 559 | 73.94 | 2.245 |
| Southern OR | KLAMATH FALLS | MODOC | 5L36 | MODOC | 91 | 15,079 | 851 | 17.72 | 0.107 |

Oregon 2021 Circuit Metrics (excluding major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|---------------|------------------------|------------|--------------------------------|---------------------------------|-----------------------|------------------------|--------|-------|
| Southern OR | KLAMATH FALLS | ROSS AVENUE | 5L46 | ELDORADO | 1,613 | 230,641 | 1,388 | 166.17 | 1.162 |
| Southern OR | KLAMATH FALLS | ROSS AVENUE | 5L48 | BROAD ST. | 1,331 | 41,117 | 1,204 | 34.15 | 1.105 |
| Southern OR | KLAMATH FALLS | RUNNING Y | 4L50 | ROCKY POINT FEEDER (RUNNING Y) | 3,172 | 656,049 | 1,472 | 445.69 | 2.155 |
| Southern OR | KLAMATH FALLS | SHASTA WAY | 7L25 | SHASTA WAY | 3 | 626 | 432 | 1.45 | 0.007 |
| Southern OR | KLAMATH FALLS | SPRAGUE RIVER | 5L8 | SPRAGUE RIVER | 614 | 58,626 | 507 | 115.63 | 1.211 |
| Southern OR | KLAMATH FALLS | TEXUM | 5L112 | ANDERSON | 811 | 81,319 | 1,203 | 67.60 | 0.674 |
| Southern OR | KLAMATH FALLS | TEXUM | 5L113 | TOWER | 18 | 940 | 284 | 3.31 | 0.063 |
| Southern OR | KLAMATH FALLS | TEXUM | 5L116 | ALTAMONT | 366 | 27,908 | 1,484 | 18.81 | 0.247 |
| Southern OR | KLAMATH FALLS | TURKEY HILL | 5L20 | MALIN CITY | 2,759 | 124,565 | 826 | 150.80 | 3.340 |
| Southern OR | KLAMATH FALLS | TURKEY HILL | 5L23 | RURAL (TURKEY HILL) | 707 | 24,334 | 322 | 75.57 | 2.196 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L12 | ORINDALE | 28 | 2,611 | 803 | 3.25 | 0.035 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L15 | CALIFORNIA | 196 | 15,521 | 1,356 | 11.45 | 0.145 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L16 | MAIN ST (WEST SIDE HE PLANT) | 101 | 22,846 | 110 | 207.69 | 0.918 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L17 | PINE ST (WEST SIDE HE PLANT) | 54 | 4,194 | 504 | 8.32 | 0.107 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L18 | RIVERSIDE (WEST SIDE HE PLANT) | 4 | 379 | 588 | 0.64 | 0.007 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L19 | LAKESHORE | 443 | 67,271 | 303 | 222.02 | 1.462 |
| Southern OR | LAKEVIEW | MILE-HI | 5L104 | INDUSTRIAL | 757 | 109,814 | 704 | 155.99 | 1.075 |
| Southern OR | LAKEVIEW | MILE-HI | 5L105 | BUSINESS | 1,749 | 263,080 | 1,737 | 151.46 | 1.007 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | 5R241 | CITY | 24 | 986 | 12 | 82.15 | 2.000 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | 5R245 | VALLEY VIEW | 946 | 65,260 | 880 | 74.16 | 1.075 |
| Southern OR | MEDFORD | BEALL LANE | 5R361 | BULLDOG | 79 | 17,857 | 1,731 | 10.32 | 0.046 |
| Southern OR | MEDFORD | BEALL LANE | 5R364 | BOBCAT | 42 | 9,172 | 2,161 | 4.24 | 0.019 |
| Southern OR | MEDFORD | BELKNAP | 5R1 | KOGAP | 70 | 10,217 | 1,015 | 10.07 | 0.069 |
| Southern OR | MEDFORD | BELKNAP | 5R2 | RIVERSIDE (BELKNAP) | 13 | 3,128 | 663 | 4.72 | 0.020 |
| Southern OR | MEDFORD | BELKNAP | 5R3 | BARNETT | 1,798 | 102,938 | 1,631 | 63.11 | 1.102 |
| Southern OR | MEDFORD | BELKNAP | 5R47 | STEWART | 427 | 59,210 | 2,306 | 25.68 | 0.185 |
| Southern OR | MEDFORD | BROOKHURST | 5R118 | SPRINGBROOK | 154 | 36,965 | 1,936 | 19.09 | 0.080 |
| Southern OR | MEDFORD | BROOKHURST | 5R135 | ROBERTS (BROOKHURST) | 180 | 44,051 | 1,710 | 25.76 | 0.105 |
| Southern OR | MEDFORD | BROOKHURST | 5R32 | ROXY | 80 | 24,501 | 1,822 | 13.45 | 0.044 |
| Southern OR | MEDFORD | BROOKHURST | 5R33 | CRATER LAKE | 65 | 14,119 | 1,736 | 8.13 | 0.037 |
| Southern OR | MEDFORD | BROOKHURST | 5R75 | SUNRISE (BROOKHURST) | 218 | 53,554 | 1,226 | 43.68 | 0.178 |
| Southern OR | MEDFORD | CAMPBELL | 5R218 | PHOENIX | 735 | 29,688 | 702 | 42.29 | 1.047 |
| Southern OR | MEDFORD | CAMPBELL | 5R227 | FERN VALLEY | 62 | 18,594 | 1,225 | 15.18 | 0.051 |
| Southern OR | MEDFORD | CAMPBELL | 5R312 | COBRA | 459 | 81,083 | 1,511 | 53.66 | 0.304 |
| Southern OR | MEDFORD | DODGE BRIDGE | 4R1 | SALMON | 2,522 | 516,479 | 1,633 | 316.28 | 1.544 |
| Southern OR | MEDFORD | DODGE BRIDGE | 4R35 | MEADOWS ROAD | 3,160 | 506,489 | 1,383 | 366.23 | 2.285 |
| Southern OR | MEDFORD | FOOTHILLS | 5R38 | HOSPITAL | 395 | 107,257 | 773 | 138.75 | 0.511 |
| Southern OR | MEDFORD | FOOTHILLS | 5R39 | PIERCE ROAD | 63 | 6,738 | 1,165 | 5.78 | 0.054 |
| Southern OR | MEDFORD | FRALEY | 5R87 | TABLE ROCK | 1,144 | 370,587 | 527 | 703.20 | 2.171 |
| Southern OR | MEDFORD | FRALEY | 5R88 | DODGE BRIDGE | 852 | 275,452 | 369 | 746.48 | 2.309 |
| Southern OR | MEDFORD | GOLD HILL | 5R103 | GOLD HILL | 163 | 22,999 | 2,036 | 11.30 | 0.080 |
| Southern OR | MEDFORD | GRIFFIN CREEK | 5R204 | HULL RD | 174 | 16,849 | 2,731 | 6.17 | 0.064 |
| Southern OR | MEDFORD | GRIFFIN CREEK | 5R206 | GRIFFIN CREEK | 174 | 14,912 | 1,759 | 8.48 | 0.099 |

Oregon 2021 Circuit Metrics (excluding major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|--------------|-----------------|------------|------------------------|---------------------------------|-----------------------|------------------------|--------|-------|
| Southern OR | MEDFORD | HUMBUG CREEK | 5R287 | HUMMINGBIRD | 193 | 115,456 | 690 | 167.33 | 0.280 |
| Southern OR | MEDFORD | JACKSONVILLE | 5R284 | STAGE RD | 970 | 154,082 | 2,058 | 74.87 | 0.471 |
| Southern OR | MEDFORD | JACKSONVILLE | 5R285 | JACKSONVILLE HWY | 1,255 | 263,604 | 2,244 | 117.47 | 0.559 |
| Southern OR | MEDFORD | MEDFORD | 5R21 | MELROSE | 17 | 3,809 | 1,580 | 2.41 | 0.011 |
| Southern OR | MEDFORD | MEDFORD | 5R23 | SPRING ST. | 35 | 7,309 | 1,629 | 4.49 | 0.021 |
| Southern OR | MEDFORD | MEDFORD | 5R250 | BIG Y | 484 | 68,847 | 1,862 | 36.97 | 0.260 |
| Southern OR | MEDFORD | MEDFORD | 5R253 | APPLE | 38 | 5,319 | 1,107 | 4.80 | 0.034 |
| Southern OR | MEDFORD | MEDFORD | 5R257 | PEAR | 829 | 128,526 | 805 | 159.66 | 1.030 |
| Southern OR | MEDFORD | OAK KNOLL | 5R55 | SISKIYOU | 1,007 | 270,877 | 1,518 | 178.44 | 0.663 |
| Southern OR | MEDFORD | OAK KNOLL | 5R56 | HIGHWAY 99 | 140 | 43,514 | 120 | 362.61 | 1.167 |
| Southern OR | MEDFORD | PROSPECT CNTRL | 5R40 | CASCADE GORGE COTTAGES | 355 | 62,706 | 336 | 186.62 | 1.057 |
| Southern OR | MEDFORD | RED BLANKET | 7R5 | PROSPECT | 267 | 68,063 | 396 | 171.88 | 0.674 |
| Southern OR | MEDFORD | ROXY ANN | 5R350 | St. Bernard | 269 | 73,737 | 1,331 | 55.40 | 0.202 |
| Southern OR | MEDFORD | ROXY ANN | 5R354 | RACCOON | 270 | 68,832 | 1,577 | 43.65 | 0.171 |
| Southern OR | MEDFORD | RUCH | 5R68 | APPLEGATE | 735 | 199,861 | 936 | 213.53 | 0.785 |
| Southern OR | MEDFORD | RUCH | 5R69 | RUCH | 562 | 41,854 | 542 | 77.22 | 1.037 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R211 | COLUMBUS | 255 | 42,805 | 1,792 | 23.89 | 0.142 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R226 | BOISE | 40 | 4,789 | 927 | 5.17 | 0.043 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R28 | ROSS | 7 | 910 | 2,111 | 0.43 | 0.003 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R29 | EDWARDS | 10 | 522 | 733 | 0.71 | 0.014 |
| Southern OR | MEDFORD | SCENIC | 5R174 | UPTON | 39 | 9,634 | 2,010 | 4.79 | 0.019 |
| Southern OR | MEDFORD | SCENIC | 5R180 | HEAD RD | 210 | 56,636 | 1,181 | 47.96 | 0.178 |
| Southern OR | MEDFORD | SCENIC | 5R182 | TAYLOR RD | 2,796 | 399,027 | 1,852 | 215.46 | 1.510 |
| Southern OR | MEDFORD | SCENIC | 5R184 | CHENEY | 284 | 22,092 | 1,515 | 14.58 | 0.187 |
| Southern OR | MEDFORD | STEVENS ROAD | 4R13 | HENRY MILLER | 2,475 | 27,958 | 2,401 | 11.64 | 1.031 |
| Southern OR | MEDFORD | STEVENS ROAD | 4R17 | Stingray | 101 | 26,188 | 2,609 | 10.04 | 0.039 |
| Southern OR | MEDFORD | STEVENS ROAD | 4R41 | ANTELOPE | 149 | 22,901 | 1,160 | 19.74 | 0.128 |
| Southern OR | MEDFORD | TAKELMA | 4R9 | LOST CK. (TAKELMA) | 714 | 153,688 | 2,659 | 57.80 | 0.269 |
| Southern OR | MEDFORD | TALENT | 5R237 | TALENT | 168 | 35,244 | 1,784 | 19.76 | 0.094 |
| Southern OR | MEDFORD | TALENT | 5R238 | ANDERSON CRK | 346 | 72,289 | 1,649 | 43.84 | 0.210 |
| Southern OR | MEDFORD | TALENT | 5R239 | HARTLEY ROAD | 1,475 | 56,881 | 1,566 | 36.32 | 0.942 |
| Southern OR | MEDFORD | TALENT | 5R240 | NORTH HWY | 129 | 15,157 | 804 | 18.85 | 0.160 |
| Southern OR | MEDFORD | TOLO | 5R90 | TBL ROCK LBR | 6 | 864 | 164 | 5.27 | 0.037 |
| Southern OR | MEDFORD | TOLO | 5R91 | SAMS VALLEY | 1,304 | 183,741 | 658 | 279.24 | 1.982 |
| Southern OR | MEDFORD | TOLO | 5R92 | KIRTLAND RD | 523 | 44,855 | 211 | 212.58 | 2.479 |
| Southern OR | MEDFORD | VILAS ROAD | 5R110 | MCLAUGHLIN | 1,058 | 13,391 | 968 | 13.83 | 1.093 |
| Southern OR | MEDFORD | VILAS ROAD | 5R146 | KING CENTER | 3,825 | 99,050 | 1,454 | 68.12 | 2.631 |
| Southern OR | MEDFORD | VILAS ROAD | 5R305 | WEBFOOT | 431 | 29,394 | 920 | 31.95 | 0.468 |
| Southern OR | MEDFORD | WHITE CITY | 5R11 | EAGLE POINT | 1,781 | 399,193 | 1,489 | 268.09 | 1.196 |
| Southern OR | MEDFORD | WHITE CITY | 5R12 | INDUSTRIAL | - | - | 36 | - | - |
| Southern OR | MEDFORD | WHITE CITY | 5R14 | AGATE | 3 | 275 | 114 | 2.42 | 0.026 |
| Southern OR | MEDFORD | WHITE CITY | 5R19 | 3M | 130 | 98,796 | 124 | 796.74 | 1.048 |
| Southern OR | MEDFORD | WHITE CITY | 5R66 | 4 CORNERS | 22 | 3,406 | 1,875 | 1.82 | 0.012 |

Oregon 2021 Circuit Metrics (excluding major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|-------------------|----------------------|-------------------|------------|-----------------------|---------------------------------|-----------------------|------------------------|----------|-------|
| Southern OR | MEDFORD | WHITE CITY | 5R76 | AVE C | 80 | 62,415 | 79 | 790.07 | 1.013 |
| Southern OR | ROSEBURG/MYRTLECREEK | CANYONVILLE | 5U46 | CANYONVILLE | 4 | 467 | 392 | 1.19 | 0.010 |
| Southern OR | ROSEBURG/MYRTLECREEK | CANYONVILLE | 5U52 | BEALS CREEK FEEDER | 1,001 | 201,147 | 889 | 226.26 | 1.126 |
| Southern OR | ROSEBURG/MYRTLECREEK | CARNES | 5U44 | RND PRARIE | 904 | 119,252 | 420 | 283.93 | 2.152 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLEARWATER #1 SUB | 6U17 | BRIGGS | 3 | 1,311 | 3 | 437.02 | 1.000 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLEARWATER #2 SUB | 6U33 | CLEARWATER | 97 | 13,333 | 96 | 138.88 | 1.010 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLOAKE | 4U38 | HARVARD | 60 | 12,173 | 2,976 | 4.09 | 0.020 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLOAKE | 4U39 | GOEDECK | 833 | 97,219 | 1,278 | 76.07 | 0.652 |
| Southern OR | ROSEBURG/MYRTLECREEK | GARDEN VALLEY | 4U80 | EDENBOWER | 3,011 | 40,428 | 806 | 50.16 | 3.736 |
| Southern OR | ROSEBURG/MYRTLECREEK | GARDEN VALLEY | 4U81 | VALLEY | 5,017 | 723,463 | 1,391 | 520.10 | 3.607 |
| Southern OR | ROSEBURG/MYRTLECREEK | GLIDE SUBSTATION | 5U83 | IDLEYLD | 402 | 79,655 | 896 | 88.90 | 0.449 |
| Southern OR | ROSEBURG/MYRTLECREEK | GLIDE SUBSTATION | 5U84 | LITTLE RIVER | 2,175 | 326,775 | 1,364 | 239.57 | 1.595 |
| Southern OR | ROSEBURG/MYRTLECREEK | GREEN SUBSTATION | 5U32 | SAFARI | 507 | 45,152 | 2,221 | 20.33 | 0.228 |
| Southern OR | ROSEBURG/MYRTLECREEK | GREEN SUBSTATION | 5U33 | SUNNYSLOPE | 15 | 4,987 | 1,643 | 3.04 | 0.009 |
| Southern OR | ROSEBURG/MYRTLECREEK | LEMOLO # 1 | 5U920 | DIAMOND LAKE | 700 | 251,877 | 176 | 1,431.12 | 3.977 |
| Southern OR | ROSEBURG/MYRTLECREEK | MYRTLE CREEK | 5U76 | SUPER Y | 735 | 137,600 | 1,548 | 88.89 | 0.475 |
| Southern OR | ROSEBURG/MYRTLECREEK | MYRTLE CREEK | 5U77 | BOOMER HILL | 879 | 164,870 | 1,208 | 136.48 | 0.728 |
| Southern OR | ROSEBURG/MYRTLECREEK | OAKLAND (OR) | 5U11 | UMPQUA | 172 | 23,795 | 1,291 | 18.43 | 0.133 |
| Southern OR | ROSEBURG/MYRTLECREEK | OAKLAND (OR) | 5U12 | STAGECOACH | 12 | 581 | 558 | 1.04 | 0.022 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE | 5U1 | TRI CITY | 328 | 26,460 | 2,116 | 12.50 | 0.155 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE | 5U2 | COW CREEK | 1,681 | 161,895 | 1,568 | 103.25 | 1.072 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE | 5U3 | HANNA | 66 | 7,851 | 285 | 27.55 | 0.232 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE-VENEER | 5U50 | RFP-LVL (EWP) | 22 | 2,845 | 30 | 94.84 | 0.733 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROSEBURG | 4U10 | DIAMOND | 2,627 | 36,015 | 2,524 | 14.27 | 1.041 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROSEBURG | 4U22 | DIXON | 2,082 | 141,622 | 1,130 | 125.33 | 1.842 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROSEBURG | 4U5 | DOUGLAS | 5,461 | 286,971 | 2,087 | 137.50 | 2.617 |
| Southern OR | ROSEBURG/MYRTLECREEK | SLIDE CREEK | 6U76 | SLIDE CREEK CAMP | 1 | 277 | 4 | 69.17 | 0.250 |
| Southern OR | ROSEBURG/MYRTLECREEK | SOUTHGATE | 4U30 | SHADY POINT | 2,279 | 404,718 | 1,620 | 249.83 | 1.407 |
| Southern OR | ROSEBURG/MYRTLECREEK | SOUTHGATE | 4U31 | BOOTH | 256 | 17,314 | 1,563 | 11.08 | 0.164 |
| Southern OR | ROSEBURG/MYRTLECREEK | STEAMBOAT | 6U18 | STEAMBOAT | 21 | 3,880 | 21 | 184.78 | 1.000 |
| Southern OR | ROSEBURG/MYRTLECREEK | SUTHERLIN | 5U35 | NON-PAREIL | 109 | 23,074 | 1,313 | 17.57 | 0.083 |
| Southern OR | ROSEBURG/MYRTLECREEK | SUTHERLIN | 5U36 | DEADY | 21 | 1,962 | 1,358 | 1.45 | 0.015 |
| Southern OR | ROSEBURG/MYRTLECREEK | SUTHERLIN | 5U56 | Industrial | 1 | 91 | 546 | 0.17 | 0.002 |
| Southern OR | ROSEBURG/MYRTLECREEK | TILLER | 5U89 | JACKSON CRK | 445 | 242,901 | 302 | 804.31 | 1.474 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | 4U18 | WILBUR | 3,648 | 110,958 | 1,648 | 67.33 | 2.214 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | 5U15 | NEWTON CREEK | 5,168 | 63,597 | 1,793 | 35.47 | 2.882 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | 5U17 | FISHER | 878 | 25,644 | 775 | 33.09 | 1.133 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | 5U19 | EVANS | 936 | 46,843 | 735 | 63.73 | 1.273 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINSTON | 5U48 | BROCKWAY | 35 | 3,372 | 863 | 3.91 | 0.041 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINSTON | 5U49 | DILLARD | 3,499 | 468,131 | 1,456 | 321.52 | 2.403 |
| Willamette Valley | ALBANY | HAZELWOOD | 4M335 | WEST HIGH | 60 | 6,936 | 843 | 8.23 | 0.071 |
| Willamette Valley | ALBANY | HAZELWOOD | 4M336 | RIVERVIEW (HAZELWOOD) | 1,233 | 236,296 | 1,238 | 190.87 | 0.996 |

Oregon 2021 Circuit Metrics (excluding major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|-------------------|----------------------|-----------------|------------|-----------------|---------------------------------|-----------------------|------------------------|--------|--------|
| Willamette Valley | ALBANY | JEFFERSON (OR) | 4M117 | MARION | 1,613 | 185,176 | 718 | 257.91 | 2.247 |
| Willamette Valley | ALBANY | JEFFERSON (OR) | 4M125 | MINT | 3,769 | 441,429 | 2,532 | 174.34 | 1.489 |
| Willamette Valley | ALBANY | MURDER CREEK | 4M243 | SCRAVEL HILL | 1,294 | 174,007 | 4,183 | 41.60 | 0.309 |
| Willamette Valley | ALBANY | MURDER CREEK | 4M245 | RURAL NW | 8,188 | 1,269,157 | 2,381 | 533.04 | 3.439 |
| Willamette Valley | ALBANY | MURDER CREEK | 4M249 | DURA-PACIFIC | 245 | 27,467 | 183 | 150.10 | 1.339 |
| Willamette Valley | ALBANY | OREMET | 4M295 | OAK CREEK | 109 | 5,773 | 100 | 57.73 | 1.090 |
| Willamette Valley | ALBANY | OREMET | 4M296 | ROGERSDALE | 2,586 | 163,400 | 2,167 | 75.40 | 1.193 |
| Willamette Valley | ALBANY | OREMET | 5M19 | OREMET | 3 | 118 | 3 | 39.27 | 1.000 |
| Willamette Valley | ALBANY | QUEEN AVE | 4M217 | SANTIAM | 1,974 | 89,418 | 1,888 | 47.36 | 1.046 |
| Willamette Valley | ALBANY | QUEEN AVE | 4M258 | HILL STREET | 6,570 | 404,729 | 2,870 | 141.02 | 2.289 |
| Willamette Valley | ALBANY | QUEEN AVE | 4M261 | WAVERLY | 3,886 | 200,345 | 3,652 | 54.86 | 1.064 |
| Willamette Valley | ALBANY | QUEEN AVE | 4M262 | GEARY STREET | 5,696 | 826,561 | 2,639 | 313.21 | 2.158 |
| Willamette Valley | ALBANY | VINE STREET | 4M15 | FERRY | 6,170 | 321,614 | 3,238 | 99.32 | 1.905 |
| Willamette Valley | ALBANY | VINE STREET | 4M16 | WATER STREET | 5,036 | 248,020 | 4,284 | 57.89 | 1.176 |
| Willamette Valley | CORVALLIS | BUCHANAN | 4M130 | HEWLETT PACKARD | 3,038 | 564,513 | 2,701 | 209.00 | 1.125 |
| Willamette Valley | CORVALLIS | BUCHANAN | 4M133 | PEORIA | 5,159 | 425,533 | 2,433 | 174.90 | 2.120 |
| Willamette Valley | CORVALLIS | BUCHANAN | 4M134 | N. NINTH ST. | 6,508 | 416,462 | 2,595 | 160.49 | 2.508 |
| Willamette Valley | CORVALLIS | DIXON | 7M26 | FOURTH ST. | 230 | 1,211 | 233 | 5.20 | 0.987 |
| Willamette Valley | CORVALLIS | DIXON | 7M29 | SECOND ST. | 271 | 1,427 | 271 | 5.27 | 1.000 |
| Willamette Valley | CORVALLIS | GRANT ST | 4M265 | HIGH SCHOOL | 738 | 124,907 | 2,494 | 50.08 | 0.296 |
| Willamette Valley | CORVALLIS | GRANT ST | 4M266 | CHINTIMINI | 5,293 | 265,134 | 2,536 | 104.55 | 2.087 |
| Willamette Valley | CORVALLIS | GRANT ST | 4M268 | KINGS ROAD | 2,307 | 269,939 | 2,565 | 105.24 | 0.899 |
| Willamette Valley | CORVALLIS | GRANT ST | 4M269 | 29TH STREET | 1,531 | 228,657 | 3,627 | 63.04 | 0.422 |
| Willamette Valley | CORVALLIS | HILLVIEW | 4M180 | WEST HILLS | 351 | 100,961 | 1,916 | 52.69 | 0.183 |
| Willamette Valley | CORVALLIS | HILLVIEW | 4M181 | PHILOMATH | 2 | 309 | 1,317 | 0.23 | 0.002 |
| Willamette Valley | CORVALLIS | HILLVIEW | 4M182 | SUNSET | 53 | 3,727 | 1,765 | 2.11 | 0.030 |
| Willamette Valley | CORVALLIS | HILLVIEW | 4M185 | PLYMOUTH | 395 | 41,721 | 2,037 | 20.48 | 0.194 |
| Willamette Valley | CORVALLIS | MARYS RIVER | 4M151 | GREENBERRY | 557 | 33,617 | 3,619 | 9.29 | 0.154 |
| Willamette Valley | CORVALLIS | MARYS RIVER | 4M152 | AVERY | 45 | 11,066 | 186 | 59.49 | 0.242 |
| Willamette Valley | CORVALLIS | MARYS RIVER | 4M153 | GALLAGHER | 3,623 | 20,116 | 159 | 126.52 | 22.786 |
| Willamette Valley | COTTAGE GROVE/J.CITY | COBURG | 4M220 | DETERING | 13 | 713 | 586 | 1.22 | 0.022 |
| Willamette Valley | COTTAGE GROVE/J.CITY | GOSHEN (OR) | 4M360 | GOSHEN FDR | 4,978 | 149,962 | 1,623 | 92.40 | 3.067 |
| Willamette Valley | COTTAGE GROVE/J.CITY | HARRISBURG SUB | 4M400 | TERRITORIAL | 2,589 | 294,780 | 1,850 | 159.34 | 1.399 |
| Willamette Valley | COTTAGE GROVE/J.CITY | JUNCTION CITY | 4M102 | 6TH STREET | 559 | 83,143 | 1,156 | 71.92 | 0.484 |
| Willamette Valley | COTTAGE GROVE/J.CITY | JUNCTION CITY | 4M99 | PRAIRIE ROAD | 16 | 2,184 | 1,002 | 2.18 | 0.016 |
| Willamette Valley | COTTAGE GROVE/J.CITY | LANCASTER | 4M209 | MONROE | 1,513 | 342,444 | 1,130 | 303.05 | 1.339 |
| Willamette Valley | COTTAGE GROVE/J.CITY | VILLAGE GREEN | 4M84 | NORTH SIDE | 2,520 | 45,570 | 2,416 | 18.86 | 1.043 |
| Willamette Valley | COTTAGE GROVE/J.CITY | VILLAGE GREEN | 4M86 | MADISON | 1,898 | 71,022 | 1,625 | 43.71 | 1.168 |
| Willamette Valley | DALLAS/INDEPENDENCE | DALLAS | 4M100 | RURAL (DALLAS) | 2,554 | 78,997 | 2,073 | 38.11 | 1.232 |
| Willamette Valley | DALLAS/INDEPENDENCE | DALLAS | 4M201 | INDUSTRIAL | 3,904 | 131,140 | 3,138 | 41.79 | 1.244 |
| Willamette Valley | DALLAS/INDEPENDENCE | DALLAS | 4M202 | ELLENDALE | 7,204 | 168,824 | 3,017 | 55.96 | 2.388 |
| Willamette Valley | DALLAS/INDEPENDENCE | DALLAS | 4M238 | DALLAS | 5,111 | 343,629 | 2,325 | 147.80 | 2.198 |

Oregon 2021 Circuit Metrics (excluding major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|-------------------|---------------------|-----------------|------------|----------------------|---------------------------------|-----------------------|------------------------|----------|-------|
| Willamette Valley | DALLAS/INDEPENDENCE | INDEPENDENCE | 4M22 | RICKREAL | 3,859 | 173,609 | 3,179 | 54.61 | 1.214 |
| Willamette Valley | DALLAS/INDEPENDENCE | INDEPENDENCE | 4M25 | BUENA VISTA | 4,470 | 479,778 | 2,126 | 225.67 | 2.103 |
| Willamette Valley | LEBANON | BROWNSVILLE | 4M17 | CALAPOOIA | 262 | 75,566 | 1,713 | 44.11 | 0.153 |
| Willamette Valley | LEBANON | CALAPOOYA | 4M850 | SPAULDING | 2,923 | 405,388 | 1,126 | 360.02 | 2.596 |
| Willamette Valley | LEBANON | CALAPOOYA | 4M851 | BEAR | 8 | 456 | 32 | 14.24 | 0.250 |
| Willamette Valley | LEBANON | CROWFOOT | 4M204 | CROWFOOT | 4,502 | 2,069,577 | 1,524 | 1,357.99 | 2.954 |
| Willamette Valley | LEBANON | CROWFOOT | 4M206 | US PLYWOOD (LEBANON) | 43 | 8,163 | 1,940 | 4.21 | 0.022 |
| Willamette Valley | LEBANON | LEBANON | 4M61 | TANGENT | 269 | 25,846 | 2,636 | 9.80 | 0.102 |
| Willamette Valley | LEBANON | LEBANON | 4M62 | RALSTON | 1,308 | 138,402 | 2,014 | 68.72 | 0.649 |
| Willamette Valley | LEBANON | LEBANON | 4M63 | TENNESSEE | 5,348 | 415,742 | 1,801 | 230.84 | 2.969 |
| Willamette Valley | LEBANON | LEBANON | 4M79 | CROWN Z | 2 | 160 | 1,170 | 0.14 | 0.002 |
| Willamette Valley | LEBANON | SWEET HOME | 4M37 | HOLLEY | 4,484 | 716,194 | 2,035 | 351.94 | 2.203 |
| Willamette Valley | LEBANON | SWEET HOME | 4M38 | NARROWS | 1,032 | 40,067 | 983 | 40.76 | 1.050 |
| Willamette Valley | LEBANON | SWEET HOME | 4M93 | AMES CREEK | 3,205 | 224,983 | 1,683 | 133.68 | 1.904 |
| Willamette Valley | LEBANON | SWEET HOME | 4M94 | FOSTER | 2,595 | 339,073 | 2,428 | 139.65 | 1.069 |
| Willamette Valley | STAYTON | LYONS | 4M120 | MILL CITY | 2,270 | 333,737 | 691 | 482.98 | 3.285 |
| Willamette Valley | STAYTON | LYONS | 4M70 | MEHAMA | 10,166 | 2,277,132 | 1,939 | 1,174.38 | 5.243 |
| Willamette Valley | STAYTON | SCIO | 5M126 | THOMAS | 4,344 | 395,745 | 1,574 | 251.43 | 2.760 |
| Willamette Valley | STAYTON | STAYTON | 4M19 | AUMSVILLE | 418 | 59,246 | 3,471 | 17.07 | 0.120 |
| Willamette Valley | STAYTON | STAYTON | 4M353 | WEST STAYTON | 910 | 180,773 | 3,526 | 51.27 | 0.258 |
| Willamette Valley | STAYTON | STAYTON | 4M370 | CASCADE | 2,420 | 337,642 | 1,585 | 213.02 | 1.527 |
| Willamette Valley | STAYTON | STAYTON | 4M50 | 3RD STREET | 1,010 | 61,565 | 920 | 66.92 | 1.098 |

Oregon 2021 Circuit Metrics (including major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|--------------|---------------------|------------|-----------------------------|---------------------------------|-----------------------|------------------------|--------|-------|
| Central OR | BEND/REDMOND | BEND | 5D10 | PORTLAND AVE | 328 | 79,699 | 2,462 | 32.37 | 0.133 |
| Central OR | BEND/REDMOND | BEND | 5D11 | GLEN VISTA | 395 | 105,658 | 1,309 | 80.72 | 0.302 |
| Central OR | BEND/REDMOND | BEND | 5D12 | DIVISION ST. | 67 | 12,527 | 215 | 58.26 | 0.312 |
| Central OR | BEND/REDMOND | BEND | 5D196 | MALLARD | 1,472 | 277,276 | 1,412 | 196.37 | 1.042 |
| Central OR | BEND/REDMOND | BOND STREET | 5D411 | BACHELOR | 3,495 | 630,487 | 2,249 | 280.34 | 1.554 |
| Central OR | BEND/REDMOND | BOND STREET | 5D413 | OLD MILL | 165 | 26,309 | 390 | 67.46 | 0.423 |
| Central OR | BEND/REDMOND | BOND STREET | 5D418 | BLAKELY | 2,570 | 1,183,618 | 1,356 | 872.87 | 1.895 |
| Central OR | BEND/REDMOND | CHINA HAT | 5D140 | LAVA (CHINA HAT) | 3,015 | 1,230,911 | 2,340 | 526.03 | 1.288 |
| Central OR | BEND/REDMOND | CHINA HAT | 5D142 | HIGH DESERT | 3,652 | 1,674,036 | 1,721 | 972.71 | 2.122 |
| Central OR | BEND/REDMOND | CHINA HAT | 5D144 | D.R.W. | 1,826 | 1,191,364 | 2,548 | 467.57 | 0.717 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D30 | ARROWHEAD | 448 | 48,600 | 1,283 | 37.88 | 0.349 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D35 | WICKIUP | 103 | 25,862 | 1,066 | 24.26 | 0.097 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D38 | TOMAHAWK | 357 | 129,108 | 1,455 | 88.73 | 0.245 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D94 | TEEPEE | 542 | 119,012 | 3,926 | 30.31 | 0.138 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D96 | OBSIDIAN | 45 | 3,333 | 912 | 3.65 | 0.049 |
| Central OR | BEND/REDMOND | CLEVELAND AVE. | 5D98 | HUCKLEBERRY | 27 | 4,410 | 1,181 | 3.73 | 0.023 |
| Central OR | BEND/REDMOND | CROOKED RIVER RANCH | 4D131 | CANYON | 54 | 11,689 | 1,816 | 6.44 | 0.030 |
| Central OR | BEND/REDMOND | CROOKED RIVER RANCH | 4D30 | CROOKED R.R. | 169 | 56,583 | 800 | 70.73 | 0.211 |
| Central OR | BEND/REDMOND | DESCHUTES | 5D184 | PRONGHORN | 2,321 | 120,991 | 1,135 | 106.60 | 2.045 |
| Central OR | BEND/REDMOND | DESCHUTES | 5D2 | DESCHUTES S | 1,450 | 137,778 | 1,036 | 132.99 | 1.400 |
| Central OR | BEND/REDMOND | HUNTERS CIRCLE | 5D192 | Mackinaw | 1,543 | 293,337 | 736 | 398.56 | 2.096 |
| Central OR | BEND/REDMOND | OVERPASS | 5D104 | AWBREY | 2,152 | 69,361 | 1,961 | 35.37 | 1.097 |
| Central OR | BEND/REDMOND | OVERPASS | 5D106 | NEZ PERCE | 3,938 | 406,514 | 2,716 | 149.67 | 1.450 |
| Central OR | BEND/REDMOND | OVERPASS | 5D120 | CHINOOK | 1,981 | 174,806 | 1,825 | 95.78 | 1.085 |
| Central OR | BEND/REDMOND | OVERPASS | 5D128 | PAIUTE | 2,909 | 240,186 | 2,232 | 107.61 | 1.303 |
| Central OR | BEND/REDMOND | OVERPASS | 5D155 | APACHE | 936 | 25,061 | 828 | 30.27 | 1.130 |
| Central OR | BEND/REDMOND | PILOT BUTTE | 5D261 | KLONDIKE | 318 | 45,575 | 1,524 | 29.90 | 0.209 |
| Central OR | BEND/REDMOND | PILOT BUTTE | 5D263 | DRAKE FEEDER | 425 | 35,699 | 2,533 | 14.09 | 0.168 |
| Central OR | BEND/REDMOND | PILOT BUTTE | 5D265 | DOBBIN | 3,027 | 342,152 | 1,718 | 199.16 | 1.762 |
| Central OR | BEND/REDMOND | REDMOND | 5D21 | SOUTH (REDMOND) | 28 | 5,410 | 838 | 6.46 | 0.033 |
| Central OR | BEND/REDMOND | REDMOND | 5D22 | INDUSTRIAL | 427 | 89,118 | 1,549 | 57.53 | 0.276 |
| Central OR | BEND/REDMOND | REDMOND | 5D223 | TETHEROW | 6 | 1,049 | 894 | 1.17 | 0.007 |
| Central OR | BEND/REDMOND | REDMOND | 5D226 | CLINE FALLS | 425 | 61,571 | 1,536 | 40.08 | 0.277 |
| Central OR | BEND/REDMOND | REDMOND | 5D227 | WINDSOR | 286 | 42,527 | 3,313 | 12.84 | 0.086 |
| Central OR | BEND/REDMOND | REDMOND | 5D228 | CITY | 213 | 15,816 | 1,307 | 12.10 | 0.163 |
| Central OR | BEND/REDMOND | REDMOND | 5D229 | JUNIPER | 245 | 50,691 | 429 | 118.16 | 0.571 |
| Central OR | BEND/REDMOND | SHEVLIN PARK | 5D238 | WOLVERINE (SHP) (WAS 5D327) | 404 | 110,321 | 2,810 | 39.26 | 0.144 |
| Central OR | BEND/REDMOND | SHEVLIN PARK | 5D241 | BADGER (SHP) | 626 | 80,243 | 2,839 | 28.26 | 0.221 |
| Central OR | BEND/REDMOND | SHEVLIN PARK | 5D243 | Black Bear | 588 | 115,081 | 1,878 | 61.28 | 0.313 |
| Central OR | BEND/REDMOND | YEW AVENUE | 5D322 | BIRDIE | 1,047 | 118,919 | 2,348 | 50.65 | 0.446 |
| Central OR | BEND/REDMOND | YEW AVENUE | 5D323 | FAIRWAY | 1 | 235 | 395 | 0.60 | 0.003 |
| Central OR | BEND/REDMOND | YEW AVENUE | 5D325 | EAGLE | 23 | 1,031 | 2,908 | 0.35 | 0.008 |

Oregon 2021 Circuit Metrics (including major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|-------------------|------------------|------------|---------------------------|---------------------------------|-----------------------|------------------------|----------|--------|
| Central OR | MADRAS | CHERRY LANE | 5D295 | 7 PEAKS | 15 | 1,767 | 149 | 11.86 | 0.101 |
| Central OR | MADRAS | CULVER | 5D5 | CULVER | 1,009 | 151,114 | 1,857 | 81.38 | 0.543 |
| Central OR | MADRAS | MADRAS | 5D52 | MADRAS RURAL | 1,305 | 401,261 | 1,074 | 373.61 | 1.215 |
| Central OR | MADRAS | MADRAS | 5D53 | AGATE | 271 | 27,698 | 1,345 | 20.59 | 0.201 |
| Central OR | MADRAS | MADRAS | 5D57 | QUARTZ | 1,657 | 259,050 | 1,443 | 179.52 | 1.148 |
| Central OR | MADRAS | MADRAS | 5D61 | MADRAS CITY | 5 | 289 | 1,288 | 0.22 | 0.004 |
| Central OR | MADRAS | POWELL BUTTE | 5D1 | POWELL BUTTE | 357 | 75,706 | 665 | 113.84 | 0.537 |
| Central OR | MADRAS | PRINEVILLE | 5D126 | RIMROCK | 908 | 18,747 | 889 | 21.09 | 1.021 |
| Central OR | MADRAS | PRINEVILLE | 5D167 | NORTHVILLE | 11,170 | 443,124 | 2,756 | 160.79 | 4.053 |
| Central OR | MADRAS | PRINEVILLE | 5D25 | OCHOCO | 1,115 | 54,904 | 1,006 | 54.58 | 1.108 |
| Central OR | MADRAS | PRINEVILLE | 5D47 | MC KAY (PRINEVILLE) | 1,239 | 115,051 | 1,885 | 61.04 | 0.657 |
| Central OR | MADRAS | PRINEVILLE | 5D48 | LAMONTA | 1,929 | 508,090 | 633 | 802.67 | 3.047 |
| Central OR | MADRAS | PRINEVILLE | 5D50 | PINE CONE | 1,594 | 172,351 | 78 | 2,209.63 | 20.436 |
| Central OR | MADRAS | PRINEVILLE | 5D69 | GRIMES FLAT | 456 | 72,645 | 1,636 | 44.40 | 0.279 |
| Central OR | MADRAS | WARM SPRINGS | 4D68 | WARM SPRINGS (OR) | 11,762 | 1,966,658 | 986 | 1,994.58 | 11.929 |
| CoastPlus | CLATSOP (ASTORIA) | CANNON BEACH | 5A10 | HAYSTACK | 10,292 | 640,147 | 1,624 | 394.14 | 6.337 |
| CoastPlus | CLATSOP (ASTORIA) | CANNON BEACH | 5A8 | ECOLA | 6,249 | 434,017 | 1,215 | 357.22 | 5.143 |
| CoastPlus | CLATSOP (ASTORIA) | FERN HILL SUB | 5A51 | JOHN DAY | 2,008 | 637,485 | 270 | 2,361.05 | 7.437 |
| CoastPlus | CLATSOP (ASTORIA) | FERN HILL SUB | 5A52 | SCANDINAVIAN | 1,784 | 1,026,587 | 389 | 2,639.04 | 4.586 |
| CoastPlus | CLATSOP (ASTORIA) | KNAPPA SVENSEN | 5A92 | SVENSEN | 3,533 | 1,041,135 | 733 | 1,420.37 | 4.820 |
| CoastPlus | CLATSOP (ASTORIA) | KNAPPA SVENSEN | 5A93 | BRADWOOD | 4,689 | 2,052,134 | 934 | 2,197.15 | 5.020 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | 5A80 | GROVE | 10,018 | 216,710 | 2,410 | 89.92 | 4.157 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | 5A81 | CENTRAL | 9,786 | 625,497 | 1,625 | 384.92 | 6.022 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | 5A82 | NECANICUM | 5,736 | 175,796 | 1,217 | 144.45 | 4.713 |
| CoastPlus | CLATSOP (ASTORIA) | SEASIDE | 5A83 | GEARHART | 19,218 | 1,948,034 | 3,420 | 569.60 | 5.619 |
| CoastPlus | CLATSOP (ASTORIA) | WARRENTON | 5A15 | CITY | 278 | 65,433 | 280 | 233.69 | 0.993 |
| CoastPlus | CLATSOP (ASTORIA) | WARRENTON | 5A16 | MILL (WARRENTON) | 3,194 | 1,110,106 | 2,287 | 485.40 | 1.397 |
| CoastPlus | CLATSOP (ASTORIA) | WARRENTON | 5A20 | SOUTH (WARRENTON) | 3,809 | 735,800 | 1,742 | 422.39 | 2.187 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A202 | PORT DOCK | 159 | 129,297 | 1,184 | 109.20 | 0.134 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A204 | MOO COW | 2,217 | 358,917 | 1,185 | 302.88 | 1.871 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A205 | FIFTH STREET | 2,206 | 934,822 | 983 | 950.99 | 2.244 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A206 | YOUNGS BAY #6 | 1 | 216 | 329 | 0.66 | 0.003 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A210 | YOUNGS BAY #10 | 104 | 45,084 | 942 | 47.86 | 0.110 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A211 | OLNEY | 1,832 | 915,389 | 1,101 | 831.42 | 1.664 |
| CoastPlus | CLATSOP (ASTORIA) | YOUNGS BAY | 5A213 | INDUSTRIAL | 2,387 | 1,122,052 | 1,380 | 813.08 | 1.730 |
| CoastPlus | COOS BAY/COQUILLE | BANDON TIE (BPA) | L804 | BANDON | 2,028 | 254,762 | 759 | 335.65 | 2.672 |
| CoastPlus | COOS BAY/COQUILLE | COOS RIVER | 4C106 | COOS RIVER | 4,779 | 514,363 | 1,356 | 379.32 | 3.524 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | 4C41 | HENRY STREET | 7,067 | 951,230 | 1,684 | 564.86 | 4.197 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | 4C42 | TERRES HGHTS | 5,362 | 1,441,698 | 1,551 | 929.53 | 3.457 |
| CoastPlus | COOS BAY/COQUILLE | COQUILLE | 4C43 | INDUSTRIAL | 308 | 55,426 | 151 | 367.06 | 2.040 |
| CoastPlus | COOS BAY/COQUILLE | EMPIRE | 4C108 | EMPIRE | 175 | 59,542 | 1,747 | 34.08 | 0.100 |
| CoastPlus | COOS BAY/COQUILLE | EMPIRE | 4C89 | SCOTT | 279 | 27,716 | 1,443 | 19.21 | 0.193 |
| CoastPlus | COOS BAY/COQUILLE | EMPIRE | 4C90 | CHARLESTON | 1,021 | 144,747 | 2,097 | 69.03 | 0.487 |
| CoastPlus | COOS BAY/COQUILLE | JORDAN POINT | 5C6 | SAND DUNES (JORDAN POINT) | 2 | 113 | 29 | 3.88 | 0.069 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C48 | CITY CENTER | 941 | 88,718 | 1,503 | 59.03 | 0.626 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C49 | EASTSIDE | 251 | 26,049 | 785 | 33.18 | 0.320 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C5 | GEORGIA-PAC | 3 | 101 | 89 | 1.14 | 0.034 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C50 | BUNKERHILL | 812 | 184,926 | 1,838 | 100.61 | 0.442 |
| CoastPlus | COOS BAY/COQUILLE | LOCKHART | 4C97 | ENGLEWOOD | 2,011 | 200,573 | 1,381 | 145.24 | 1.456 |

Oregon 2021 Circuit Metrics (including major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|-------------------|--------------------|------------|----------------------|---------------------------------|-----------------------|------------------------|----------|-------|
| CoastPlus | COOS BAY/COQUILLE | MYRTLE POINT | 4C36 | NORTH (MYRTLE POINT) | 1,250 | 202,130 | 336 | 601.58 | 3.720 |
| CoastPlus | COOS BAY/COQUILLE | MYRTLE POINT | 4C37 | MAPLE STREET | 2,686 | 468,885 | 2,079 | 225.53 | 1.292 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | 4C112 | WOODLAND | 2,785 | 888,766 | 1,810 | 491.03 | 1.539 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | 4C66 | BAYSHORE | 1,413 | 215,090 | 1,718 | 125.20 | 0.822 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | 4C67 | INDUSTRIAL | 332 | 37,005 | 2,220 | 16.67 | 0.150 |
| CoastPlus | COOS BAY/COQUILLE | STATE STREET | 4C86 | BANGOR | 994 | 158,495 | 1,802 | 87.96 | 0.552 |
| CoastPlus | HOOD RIVER | GORDON HOLLOW | 4K1 | SHERMAN 208 | 570 | 79,198 | 711 | 111.39 | 0.802 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K37 | RESIDENTIAL | 359 | 30,598 | 2,111 | 14.49 | 0.170 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K43 | BELMONT | 119 | 52,686 | 1,214 | 43.40 | 0.098 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K44 | NORTH (HOOD RIVER) | 2,078 | 455,777 | 1,809 | 251.95 | 1.149 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K70 | EASTSIDE | 1,453 | 212,707 | 1,065 | 199.72 | 1.364 |
| CoastPlus | HOOD RIVER | HOOD RIVER | 5K74 | SOUTH (HOOD RIVER) | 813 | 24,360 | 1,599 | 15.23 | 0.508 |
| CoastPlus | HOOD RIVER | KENWOOD | 5K50 | OAKGROVE | 3,611 | 413,396 | 806 | 512.90 | 4.480 |
| CoastPlus | HOOD RIVER | WASCO | 7K1 | WASCO | 10 | 1,683 | 278 | 6.05 | 0.036 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | 4A310 | INLAND FEEDER | 2,038 | 345,357 | 1,917 | 180.16 | 1.063 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | 4A312 | OCEAN | 6,377 | 305,794 | 3,015 | 101.42 | 2.115 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | 4A316 | LAKE (DEVILS LAKE) | 23,471 | 2,882,954 | 4,316 | 667.97 | 5.438 |
| CoastPlus | LINCOLN CITY | DEVILS LAKE | 4A338 | SIUSLAW | 3,698 | 432,330 | 664 | 651.10 | 5.569 |
| CoastPlus | LINCOLN CITY | GLENEDEN | 7A364 | GLENEDEN | 1,954 | 269,821 | 712 | 378.96 | 2.744 |
| CoastPlus | LINCOLN CITY | GLENEDEN | 7A366 | SALISHAN | 1,332 | 231,598 | 360 | 643.33 | 3.700 |
| CoastPlus | LINCOLN CITY | NELSCOTT | 7A390 | NELSCOTT | 580 | 67,179 | 354 | 189.77 | 1.638 |
| CoastPlus | LINCOLN CITY | PGE GRAND RONDE | R114 | BOYER | 20 | 43,603 | 19 | 2,294.87 | 1.053 |
| CoastPlus | LINCOLN CITY | WECOMA BEACH | 7A354 | WECOMA | 760 | 16,112 | 723 | 22.28 | 1.051 |
| CoastPlus | PORTLAND | ALBINA | 5P150 | ALBINA 11C15 | 4 | 3,659 | 135 | 27.11 | 0.030 |
| CoastPlus | PORTLAND | ALDERWOOD 115/12.5 | 5P22 | ALDERWOOD #2 | 1 | 69 | 201 | 0.34 | 0.005 |
| CoastPlus | PORTLAND | ALDERWOOD 115/12.5 | 5P33 | ALDERWOOD #4 | 23 | 6,405 | 181 | 35.39 | 0.127 |
| CoastPlus | PORTLAND | ALDERWOOD 115/12.5 | 5P604 | ALDERWOOD #3 | 3 | 2,527 | 197 | 12.83 | 0.015 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P266 | COLUMBIA #2 | 5,440 | 440,303 | 2,629 | 167.48 | 2.069 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P268 | COLUMBIA #1 | 403 | 61,231 | 357 | 171.52 | 1.129 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P474 | COLUMBIA #6 | 14 | 8,030 | 546 | 14.71 | 0.026 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P476 | COLUMBIA #3 | 762 | 205,621 | 865 | 237.71 | 0.881 |
| CoastPlus | PORTLAND | COLUMBIA (OR) | 5P478 | COLUMBIA #4 | 2,237 | 2,198,940 | 1,140 | 1,928.89 | 1.962 |
| CoastPlus | PORTLAND | CULLY | 5P288 | CULLY #3-UG | 805 | 305,406 | 817 | 373.81 | 0.985 |
| CoastPlus | PORTLAND | CULLY | 5P290 | CULLY #2 | 5,095 | 2,157,632 | 2,424 | 890.11 | 2.102 |
| CoastPlus | PORTLAND | CULLY | 5P292 | CULLY #1 | 3,147 | 4,929,193 | 2,941 | 1,676.03 | 1.070 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | 5P145 | HOLLADAY #1-UG | 204 | 210,152 | 206 | 1,020.16 | 0.990 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | 5P147 | HOLLADAY #3-UG | 511 | 523,154 | 166 | 3,151.53 | 3.078 |
| CoastPlus | PORTLAND | HOLLADAY (OR) | 5P158 | HOLLADAY #6 | 2,044 | 661,302 | 914 | 723.53 | 2.236 |

Oregon 2021 Circuit Metrics (including major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|--------------|-----------------|------------|--------------------|---------------------------------|-----------------------|------------------------|----------|--------|
| CoastPlus | PORTLAND | HOLLYWOOD | 5P203 | HOLLYWOOD #3 | 2,430 | 785,983 | 1,475 | 532.87 | 1.647 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P204 | HOLLYWOOD #2 | 1,266 | 446,154 | 672 | 663.92 | 1.884 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P205 | HOLLYWOOD #1 | 3,123 | 2,063,401 | 2,226 | 926.95 | 1.403 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P208 | HOLLYWOOD #5 | 17,749 | 4,783,736 | 3,451 | 1,386.19 | 5.143 |
| CoastPlus | PORTLAND | HOLLYWOOD | 5P209 | HOLLYWOOD #4 | 2,551 | 3,316,052 | 2,362 | 1,403.92 | 1.080 |
| CoastPlus | PORTLAND | KENNEDY | 5P12 | CB 5P12 | 206 | 32,157 | 0 | #DIV/0 | #DIV/0 |
| CoastPlus | PORTLAND | KENNEDY | 5P14 | CB 5P14 | 106 | 17,375 | 0 | #DIV/0 | #DIV/0 |
| CoastPlus | PORTLAND | KENNEDY | 5P15 | CB 5P15 | 174 | 30,240 | 0 | #DIV/0 | #DIV/0 |
| CoastPlus | PORTLAND | KILLINGSWORTH | 5P123 | KILLINGSWORTH #3 | 1,746 | 84,303 | 320 | 263.45 | 5.456 |
| CoastPlus | PORTLAND | KILLINGSWORTH | 5P217 | KILLINGSWORTH #5 | 642 | 68,419 | 434 | 157.65 | 1.479 |
| CoastPlus | PORTLAND | KILLINGSWORTH | 5P41 | KILLINGSWORTH #4 | 7,152 | 1,186,810 | 2,871 | 413.38 | 2.491 |
| CoastPlus | PORTLAND | KILLINGSWORTH | 5P89 | KILLINGSWORTH #2 | 3,781 | 430,307 | 3,196 | 134.64 | 1.183 |
| CoastPlus | PORTLAND | KNOTT | 5P231 | KNOTT #1 | 3,394 | 1,260,413 | 524 | 2,405.37 | 6.477 |
| CoastPlus | PORTLAND | KNOTT | 5P232 | KNOTT #2 | 3,123 | 529,569 | 2,762 | 191.73 | 1.131 |
| CoastPlus | PORTLAND | KNOTT | 5P233 | KNOTT #3 | 9,186 | 4,737,205 | 2,270 | 2,086.87 | 4.047 |
| CoastPlus | PORTLAND | KNOTT | 5P366 | 11010 | 4 | 1,012 | 57 | 17.75 | 0.070 |
| CoastPlus | PORTLAND | KNOTT | 5P368 | 11022 | 3 | 220 | 17 | 12.92 | 0.176 |
| CoastPlus | PORTLAND | KNOTT | 5P372 | 11046 | 21 | 20,864 | 792 | 26.34 | 0.027 |
| CoastPlus | PORTLAND | KNOTT | 5P374 | 11020 | 1,132 | 239,919 | 993 | 241.61 | 1.140 |
| CoastPlus | PORTLAND | LINCOLN (OR) | 5P430 | 11D05-UG | 366 | 311,081 | 368 | 845.33 | 0.995 |
| CoastPlus | PORTLAND | MALLORY | 5P162 | MALLORY #1 | 187 | 153,749 | 2,322 | 66.21 | 0.081 |
| CoastPlus | PORTLAND | MALLORY | 5P164 | MALLORY #2 | 836 | 472,515 | 4,033 | 117.16 | 0.207 |
| CoastPlus | PORTLAND | PARKROSE | 5P244 | PARKROSE#4 | 3,504 | 1,821,463 | 3,115 | 584.74 | 1.125 |
| CoastPlus | PORTLAND | PARKROSE | 5P246 | PARKROSE#3 | 1,532 | 1,291,221 | 3,093 | 417.47 | 0.495 |
| CoastPlus | PORTLAND | PARKROSE | 5P250 | PARKROSE#2 | 111 | 15,075 | 648 | 23.26 | 0.171 |
| CoastPlus | PORTLAND | PARKROSE | 5P252 | PARKROSE#1 | 738 | 136,640 | 1,795 | 76.12 | 0.411 |
| CoastPlus | PORTLAND | RUSSELLVILLE | 5P274 | RUSSELLVILLE #3 | 3,391 | 869,920 | 3,117 | 279.09 | 1.088 |
| CoastPlus | PORTLAND | RUSSELLVILLE | 5P276 | RUSSELLVILLE #4 | 777 | 614,823 | 2,476 | 248.31 | 0.314 |
| CoastPlus | PORTLAND | RUSSELLVILLE | 5P278 | RUSSELLVILLE #1 | 4,279 | 481,250 | 3,325 | 144.74 | 1.287 |
| CoastPlus | PORTLAND | RUSSELLVILLE | 5P280 | RUSSELLVILLE #2 | 3,076 | 1,599,193 | 1,261 | 1,268.19 | 2.439 |
| CoastPlus | PORTLAND | VERNON | 5P391 | VERNON #1 | 572 | 822,618 | 1,796 | 458.03 | 0.318 |
| CoastPlus | PORTLAND | VERNON | 5P392 | VERNON NO. 2 | 831 | 666,868 | 2,612 | 255.31 | 0.318 |
| CoastPlus | PORTLAND | VERNON | 5P393 | VERNON #3 | 10,428 | 1,591,270 | 5,202 | 305.90 | 2.005 |
| CoastPlus | PORTLAND | VERNON | 5P394 | VERNON # 4 | 1,838 | 2,386,217 | 3,508 | 680.22 | 0.524 |
| CoastPlus | PORTLAND | VERNON | 5P395 | VERNON # 5 | 112 | 79,855 | 2,278 | 35.05 | 0.049 |
| Northeast OR | ENTERPRISE | ENTERPRISE (OR) | 4W8 | CREIGHTON LN | 388 | 106,933 | 1,494 | 71.57 | 0.260 |
| Northeast OR | ENTERPRISE | ENTERPRISE (OR) | 5W15 | CITY | 11 | 738 | 952 | 0.78 | 0.012 |
| Northeast OR | ENTERPRISE | ENTERPRISE (OR) | 5W26 | RURAL (ENTERPRISE) | 380 | 102,068 | 1,097 | 93.04 | 0.346 |
| Northeast OR | ENTERPRISE | JOSEPH | 5W21 | PRAIRIE | 345 | 72,996 | 856 | 85.28 | 0.403 |
| Northeast OR | ENTERPRISE | MINAM | 5W18 | MINAM | 15 | 824 | 13 | 63.39 | 1.154 |
| Northeast OR | ENTERPRISE | PALLETTE | 4W14 | PALLETTE NORTH | 449 | 109,441 | 175 | 625.38 | 2.566 |
| Northeast OR | ENTERPRISE | PALLETTE | 4W15 | PALLETTE SOUTH | 127 | 55,740 | 57 | 977.89 | 2.228 |
| Northeast OR | ENTERPRISE | WALLOWA | 5W28 | CITY | 1,250 | 99,075 | 887 | 111.70 | 1.409 |

Oregon 2021 Circuit Metrics (including major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|--------------|-----------------|------------|-----------------------|---------------------------------|-----------------------|------------------------|----------|--------|
| Northeast OR | HERMISTON | ARLINGTON | 5K25 | ARLINGTON | 32 | 3,984 | 516 | 7.72 | 0.062 |
| Northeast OR | HERMISTON | BLALOCK | 5K40 | BLALOCK | 1 | 150 | 21 | 7.17 | 0.048 |
| Northeast OR | HERMISTON | DALREED | 4K16 | WILLOW COVE | 143 | 46,915 | 70 | 670.21 | 2.043 |
| Northeast OR | HERMISTON | DALREED | 4K36 | SIMTAG | 44 | 1,574 | 21 | 74.93 | 2.095 |
| Northeast OR | HERMISTON | DALREED | 4K46 | BOEING | 348 | 106,360 | 178 | 597.53 | 1.955 |
| Northeast OR | HERMISTON | HERMISTON | 5W602 | RURAL (HERMISTON) | 3,470 | 145,530 | 1,407 | 103.43 | 2.466 |
| Northeast OR | HERMISTON | HINKLE | 5W82 | MEADOWS | 2,056 | 399,045 | 380 | 1,050.12 | 5.411 |
| Northeast OR | HERMISTON | UMATILLA | 5W658 | UMATILLA | 36 | 6,655 | 1,308 | 5.09 | 0.028 |
| Northeast OR | HERMISTON | UMATILLA | 5W660 | MCNARY | 604 | 125,527 | 945 | 132.83 | 0.639 |
| Northeast OR | PENDLETON | ATHENA | 5W703 | CITY | 312 | 31,453 | 850 | 37.00 | 0.367 |
| Northeast OR | PENDLETON | ATHENA | 5W705 | HELIX | 253 | 44,391 | 425 | 104.45 | 0.595 |
| Northeast OR | PENDLETON | BUCKAROO | 5W201 | STATE HOSP. | 451 | 42,711 | 389 | 109.80 | 1.159 |
| Northeast OR | PENDLETON | BUCKAROO | 5W202 | REITH | 815 | 123,033 | 1,558 | 78.97 | 0.523 |
| Northeast OR | PENDLETON | BUCKAROO | 5W203 | MONTEE | 2,882 | 329,091 | 1,771 | 185.82 | 1.627 |
| Northeast OR | PENDLETON | MCKAY (OR) | 5W856 | MCKAY | 227 | 24,983 | 0 | #DIV/0 | #DIV/0 |
| Northeast OR | PENDLETON | 5W401 | 5W401 | WEST HILLS | 1,354 | 124,416 | 1,671 | 74.46 | 0.810 |
| Northeast OR | PENDLETON | PENDLETON | 5W402 | HARRIS HTS | 540 | 51,423 | 2,074 | 24.79 | 0.260 |
| Northeast OR | PENDLETON | PENDLETON | 5W403 | MISSION | 2,294 | 157,983 | 1,048 | 150.75 | 2.189 |
| Northeast OR | PENDLETON | PENDLETON | 7W451 | BUSINESS | 1 | 52 | 273 | 0.19 | 0.004 |
| Northeast OR | PENDLETON | PENDLETON | 7W452 | NORTHWEST | 555 | 43,441 | 531 | 81.81 | 1.045 |
| Northeast OR | PENDLETON | PENDLETON | 7W453 | SOUTHWEST (PENDELTON) | 1 | 265 | 333 | 0.80 | 0.003 |
| Northeast OR | PENDLETON | PENDLETON | 7W454 | EAST END | 242 | 18,541 | 242 | 76.62 | 1.000 |
| Northeast OR | PENDLETON | PILOT ROCK | 5W404 | MILL (PILOT ROCK) | 2 | 401 | 1 | 401.28 | 2.000 |
| Northeast OR | PENDLETON | PILOT ROCK | 5W406 | PILOT ROCK CITY | 3,451 | 894,195 | 1,402 | 637.80 | 2.461 |
| Northeast OR | PENDLETON | WESTON NEW (OR) | 5W7 | SCOTTS FEEDER | 663 | 140,806 | 453 | 310.83 | 1.464 |
| Northeast OR | WALLA WALLA | UMAPINE | 5W105 | UMAPINE FEEDER | 149 | 30,875 | 968 | 31.90 | 0.154 |
| Northeast OR | WALLA WALLA | UMAPINE | 5W106 | FERNDAL | 547 | 119,088 | 1,352 | 88.08 | 0.405 |
| Southern OR | GRANTS PASS | AGNESS AVE | 5R172 | SPALDING MILL | 3,600 | 197,835 | 889 | 222.54 | 4.049 |
| Southern OR | GRANTS PASS | AGNESS AVE | 5R173 | JONES CREEK | 2,764 | 88,013 | 884 | 99.56 | 3.127 |
| Southern OR | GRANTS PASS | AGNESS AVE | 5R322 | ANTEATER | 4,388 | 125,859 | 1,004 | 125.36 | 4.371 |
| Southern OR | GRANTS PASS | APPLEGATE | 5R267 | MURPHY | 8,215 | 762,424 | 1,060 | 719.27 | 7.750 |
| Southern OR | GRANTS PASS | APPLEGATE | 5R278 | HIGHWAY | 6,404 | 375,391 | 1,331 | 282.04 | 4.811 |
| Southern OR | GRANTS PASS | BEACON | 5R104 | SAVAGE ST | 3,921 | 277,282 | 1,277 | 217.14 | 3.070 |
| Southern OR | GRANTS PASS | BEACON | 5R105 | BEACON ST | 2,671 | 211,686 | 848 | 249.63 | 3.150 |
| Southern OR | GRANTS PASS | CAVE JUNCTION | 5R52 | FREE& EASY | 12,210 | 2,224,557 | 2,454 | 906.50 | 4.976 |
| Southern OR | GRANTS PASS | CAVE JUNCTION | 5R53 | ROUGH & READY | 6,311 | 504,003 | 1,545 | 326.22 | 4.085 |
| Southern OR | GRANTS PASS | CAVEMAN | 5R295 | QUAIL | 2,453 | 117,614 | 1,122 | 104.82 | 2.186 |
| Southern OR | GRANTS PASS | CAVEMAN | 5R82 | WASHINGTON | 2,698 | 144,238 | 1,207 | 119.50 | 2.235 |
| Southern OR | GRANTS PASS | CAVEMAN | 5R98 | MANZANITA | 1,753 | 117,711 | 575 | 204.71 | 3.049 |
| Southern OR | GRANTS PASS | CAVEMAN | 5R99 | CAVEMAN | 4,013 | 168,364 | 1,213 | 138.80 | 3.308 |
| Southern OR | GRANTS PASS | DOWELL | 5R331 | DOVE | 3,474 | 134,305 | 1,499 | 89.60 | 2.318 |
| Southern OR | GRANTS PASS | DOWELL | 5R334 | DUCK | 5,764 | 343,035 | 2,552 | 134.42 | 2.259 |
| Southern OR | GRANTS PASS | EASY VALLEY | 5R123 | G STREET | 4,958 | 187,599 | 2,212 | 84.81 | 2.241 |
| Southern OR | GRANTS PASS | EASY VALLEY | 5R125 | ROGUE | 3,737 | 139,321 | 1,809 | 77.02 | 2.066 |
| Southern OR | GRANTS PASS | EASY VALLEY | 5R259 | CHINOOK | 6,049 | 576,443 | 1,343 | 429.22 | 4.504 |

Oregon 2021 Circuit Metrics (including major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|---------------|---------------------|------------|--------------------------------|---------------------------------|-----------------------|------------------------|----------|-------|
| Southern OR | GRANTS PASS | FIELDER CREEK | 4R33 | ELK FDR. | 9,413 | 806,828 | 1,849 | 436.36 | 5.091 |
| Southern OR | GRANTS PASS | FIELDER CREEK | 4R34 | BEAR FDR | 3,861 | 457,243 | 865 | 528.60 | 4.464 |
| Southern OR | GRANTS PASS | GLENDALE SUBSTATION | 5R133 | GLENDALE | 15,668 | 3,015,308 | 1,884 | 1,600.48 | 8.316 |
| Southern OR | GRANTS PASS | GLENDALE SUBSTATION | 5R143 | INDUSTRIAL | 2,210 | 145,720 | 657 | 221.80 | 3.364 |
| Southern OR | GRANTS PASS | JEROME PRAIRIE | 5R62 | WILD PRAIRIE | 9,320 | 694,458 | 1,643 | 422.68 | 5.673 |
| Southern OR | GRANTS PASS | JEROME PRAIRIE | 5R63 | WOOD RIVER | 7,031 | 268,137 | 1,610 | 166.54 | 4.367 |
| Southern OR | GRANTS PASS | MERLIN | 5R232 | MERLIN-HUGO | 2,475 | 174,655 | 1,024 | 170.56 | 2.417 |
| Southern OR | GRANTS PASS | MERLIN | 5R234 | PARADISE | 2,514 | 105,951 | 1,208 | 87.71 | 2.081 |
| Southern OR | GRANTS PASS | MERLIN | 5R248 | PLEASANT VALLEY-MERLIN FEEDER | 3,366 | 277,176 | 1,139 | 243.35 | 2.955 |
| Southern OR | GRANTS PASS | MERLIN | 5R251 | BADGER | 2,241 | 131,252 | 931 | 140.98 | 2.407 |
| Southern OR | GRANTS PASS | MERLIN | 5R288 | MONARCH | 7,486 | 554,758 | 1,758 | 315.56 | 4.258 |
| Southern OR | GRANTS PASS | O'BRIEN | 5R106 | O'BRIEN | 2,995 | 551,346 | 430 | 1,282.20 | 6.965 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R114 | FRUITDALE | 11,309 | 583,824 | 2,203 | 265.01 | 5.133 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R115 | ALLEN CREEK | 3,059 | 77,082 | 1,004 | 76.77 | 3.047 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R121 | NEW HOPE | 6,963 | 329,816 | 2,181 | 151.22 | 3.193 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R164 | EXPRESS | 1,291 | 183,676 | 322 | 570.42 | 4.009 |
| Southern OR | GRANTS PASS | PARK STREET (OR) | 5R169 | PORTOLA | 7,123 | 741,930 | 1,401 | 529.57 | 5.084 |
| Southern OR | GRANTS PASS | PROVOLT | 5R67 | NORTH-SOUTH | 7,503 | 553,744 | 1,456 | 380.32 | 5.153 |
| Southern OR | GRANTS PASS | ROGUE RIVER | 5R77 | SAVAGE/WIMMER | 5,846 | 184,227 | 1,885 | 97.73 | 3.101 |
| Southern OR | GRANTS PASS | ROGUE RIVER | 5R78 | ROCKY POINT (ROGUE RIVER) | 2,468 | 113,242 | 1,065 | 106.33 | 2.317 |
| Southern OR | GRANTS PASS | SELMA | 5R65 | DEER CREEK | 5,726 | 757,433 | 1,204 | 629.10 | 4.756 |
| Southern OR | KLAMATH FALLS | BEATTY | 5L1 | BEATTY | 519 | 46,845 | 384 | 121.99 | 1.352 |
| Southern OR | KLAMATH FALLS | BLY | 5L14 | TOWN (BLY) | 511 | 42,397 | 422 | 100.47 | 1.211 |
| Southern OR | KLAMATH FALLS | BONANZA (OR) | 5L7 | POE VALLEY | 898 | 243,059 | 475 | 511.70 | 1.891 |
| Southern OR | KLAMATH FALLS | BRYANT | 5L2 | GARY STREET | 94 | 15,249 | 2,148 | 7.10 | 0.044 |
| Southern OR | KLAMATH FALLS | BRYANT | 5L3 | WASHBURN | 84 | 15,788 | 1,823 | 8.66 | 0.046 |
| Southern OR | KLAMATH FALLS | BRYANT | 5L4 | SUMMERS LANE | 41 | 4,242 | 1,960 | 2.16 | 0.021 |
| Southern OR | KLAMATH FALLS | BRYANT | 5L5 | MOYINA HTS. | 770 | 127,972 | 2,474 | 51.73 | 0.311 |
| Southern OR | KLAMATH FALLS | CASEBEER SUB | 4L16 | LANGELL VLY | 2,209 | 567,483 | 1,168 | 485.86 | 1.891 |
| Southern OR | KLAMATH FALLS | CHILOQUIN | 5L57 | CRATER LAKE | 3,083 | 593,871 | 1,032 | 575.46 | 2.987 |
| Southern OR | KLAMATH FALLS | CHILOQUIN MRKT | 5L37 | WILLIAMSON | 134 | 42,161 | 571 | 73.84 | 0.235 |
| Southern OR | KLAMATH FALLS | DAIRY | 5L42 | SWAN LAKE | 430 | 91,474 | 260 | 351.82 | 1.654 |
| Southern OR | KLAMATH FALLS | DAIRY | 5L43 | DAIRY | 2,066 | 207,091 | 494 | 419.21 | 4.182 |
| Southern OR | KLAMATH FALLS | HAMAKER | 5L55 | KENO | 3,404 | 669,802 | 1,702 | 393.54 | 2.000 |
| Southern OR | KLAMATH FALLS | HAMAKER | 5L56 | MOUNTAIN | 493 | 92,734 | 158 | 586.93 | 3.120 |
| Southern OR | KLAMATH FALLS | HENLEY | 5L58 | HENLEY | 706 | 33,839 | 232 | 145.86 | 3.043 |
| Southern OR | KLAMATH FALLS | HENLEY | 5L59 | WEST | 1,086 | 61,130 | 538 | 113.62 | 2.019 |
| Southern OR | KLAMATH FALLS | HORNET | 5L44 | HOMEDALE | 5,804 | 1,316,190 | 2,829 | 465.25 | 2.052 |
| Southern OR | KLAMATH FALLS | HORNET | 5L45 | CRYSTAL SPR | 1,631 | 135,993 | 1,479 | 91.95 | 1.103 |
| Southern OR | KLAMATH FALLS | LAKEPORT | 5L49 | WOCUS | 9 | 1,177 | 232 | 5.07 | 0.039 |
| Southern OR | KLAMATH FALLS | LAKEPORT | 5L54 | SOUTH (LAKEPORT) | 2,330 | 178,887 | 2,443 | 73.22 | 0.954 |
| Southern OR | KLAMATH FALLS | MERRILL (OR) | 5L26 | LAKE (MERRILL) | 2,009 | 48,811 | 985 | 49.55 | 2.040 |
| Southern OR | KLAMATH FALLS | MERRILL (OR) | 5L27 | NORTH (MERRILL) | 1,255 | 41,331 | 559 | 73.94 | 2.245 |
| Southern OR | KLAMATH FALLS | MODOC | 5L36 | MODOC | 152 | 20,236 | 851 | 23.78 | 0.179 |
| Southern OR | KLAMATH FALLS | ROSS AVENUE | 5L46 | ELDORADO | 1,613 | 230,641 | 1,388 | 166.17 | 1.162 |
| Southern OR | KLAMATH FALLS | ROSS AVENUE | 5L48 | BROAD ST. | 1,331 | 41,117 | 1,204 | 34.15 | 1.105 |
| Southern OR | KLAMATH FALLS | RUNNING Y | 4L50 | ROCKY POINT FEEDER (RUNNING Y) | 6,347 | 1,080,887 | 1,472 | 734.30 | 4.312 |
| Southern OR | KLAMATH FALLS | SHASTA WAY | 7L25 | SHASTA WAY | 4 | 668 | 432 | 1.55 | 0.009 |
| Southern OR | KLAMATH FALLS | SPRAGUE RIVER | 5L8 | SPRAGUE RIVER | 779 | 76,962 | 507 | 151.80 | 1.536 |

Oregon 2021 Circuit Metrics (including major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|---------------|------------------------|------------|--------------------------------|---------------------------------|-----------------------|------------------------|--------|-------|
| Southern OR | KLAMATH FALLS | TEXUM | 5L112 | ANDERSON | 811 | 81,319 | 1,203 | 67.60 | 0.674 |
| Southern OR | KLAMATH FALLS | TEXUM | 5L113 | TOWER | 18 | 940 | 284 | 3.31 | 0.063 |
| Southern OR | KLAMATH FALLS | TEXUM | 5L116 | ALTAMONT | 369 | 28,396 | 1,484 | 19.13 | 0.249 |
| Southern OR | KLAMATH FALLS | TURKEY HILL | 5L20 | MALIN CITY | 2,937 | 151,510 | 826 | 183.43 | 3.556 |
| Southern OR | KLAMATH FALLS | TURKEY HILL | 5L23 | RURAL (TURKEY HILL) | 707 | 24,334 | 322 | 75.57 | 2.196 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L12 | ORINDALE | 28 | 2,611 | 803 | 3.25 | 0.035 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L15 | CALIFORNIA | 197 | 15,765 | 1,356 | 11.63 | 0.145 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L16 | MAIN ST (WEST SIDE HE PLANT) | 101 | 22,846 | 110 | 207.69 | 0.918 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L17 | PINE ST (WEST SIDE HE PLANT) | 54 | 4,194 | 504 | 8.32 | 0.107 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L18 | RIVERSIDE (WEST SIDE HE PLANT) | 5 | 602 | 588 | 1.02 | 0.009 |
| Southern OR | KLAMATH FALLS | WEST SIDE | 5L19 | LAKESHORE | 443 | 67,271 | 303 | 222.02 | 1.462 |
| Southern OR | LAKEVIEW | MILE-HI | 5L104 | INDUSTRIAL | 757 | 109,814 | 704 | 155.99 | 1.075 |
| Southern OR | LAKEVIEW | MILE-HI | 5L105 | BUSINESS | 1,749 | 263,080 | 1,737 | 151.46 | 1.007 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | 5R241 | CITY | 24 | 986 | 12 | 82.15 | 2.000 |
| Southern OR | MEDFORD | ASHLAND (MTN.AVE, PUD) | 5R245 | VALLEY VIEW | 1,843 | 90,147 | 880 | 102.44 | 2.094 |
| Southern OR | MEDFORD | BEALL LANE | 5R361 | BULLDOG | 79 | 17,857 | 1,731 | 10.32 | 0.046 |
| Southern OR | MEDFORD | BEALL LANE | 5R364 | BOBCAT | 44 | 9,351 | 2,161 | 4.33 | 0.020 |
| Southern OR | MEDFORD | BELKNAP | 5R1 | KOGAP | 1,099 | 87,626 | 1,015 | 86.33 | 1.083 |
| Southern OR | MEDFORD | BELKNAP | 5R2 | RIVERSIDE (BELKNAP) | 674 | 49,332 | 663 | 74.41 | 1.017 |
| Southern OR | MEDFORD | BELKNAP | 5R3 | BARNETT | 3,430 | 216,066 | 1,631 | 132.47 | 2.103 |
| Southern OR | MEDFORD | BELKNAP | 5R47 | STEWART | 2,720 | 219,032 | 2,306 | 94.98 | 1.180 |
| Southern OR | MEDFORD | BROOKHURST | 5R118 | SPRINGBROOK | 155 | 37,478 | 1,936 | 19.36 | 0.080 |
| Southern OR | MEDFORD | BROOKHURST | 5R135 | ROBERTS (BROOKHURST) | 180 | 44,051 | 1,710 | 25.76 | 0.105 |
| Southern OR | MEDFORD | BROOKHURST | 5R32 | ROXY | 80 | 24,501 | 1,822 | 13.45 | 0.044 |
| Southern OR | MEDFORD | BROOKHURST | 5R33 | CRATER LAKE | 65 | 14,119 | 1,736 | 8.13 | 0.037 |
| Southern OR | MEDFORD | BROOKHURST | 5R75 | SUNRISE (BROOKHURST) | 219 | 54,777 | 1,226 | 44.68 | 0.179 |
| Southern OR | MEDFORD | CAMPBELL | 5R216 | VOORHIES | 853 | 39,323 | 852 | 46.15 | 1.001 |
| Southern OR | MEDFORD | CAMPBELL | 5R218 | PHOENIX | 1,353 | 58,373 | 702 | 83.15 | 1.927 |
| Southern OR | MEDFORD | CAMPBELL | 5R227 | FERN VALLEY | 1,285 | 75,015 | 1,225 | 61.24 | 1.049 |
| Southern OR | MEDFORD | CAMPBELL | 5R312 | COBRA | 1,973 | 151,837 | 1,511 | 100.49 | 1.306 |
| Southern OR | MEDFORD | DODGE BRIDGE | 4R1 | SALMON | 5,142 | 851,392 | 1,633 | 521.37 | 3.149 |
| Southern OR | MEDFORD | DODGE BRIDGE | 4R35 | MEADOWS ROAD | 5,993 | 903,405 | 1,383 | 653.22 | 4.333 |
| Southern OR | MEDFORD | FOOTHILLS | 5R38 | HOSPITAL | 1,242 | 186,780 | 773 | 241.63 | 1.607 |
| Southern OR | MEDFORD | FOOTHILLS | 5R39 | PIERCE ROAD | 1,231 | 132,882 | 1,165 | 114.06 | 1.057 |
| Southern OR | MEDFORD | FRALEY | 5R87 | TABLE ROCK | 1,699 | 436,799 | 527 | 828.84 | 3.224 |
| Southern OR | MEDFORD | FRALEY | 5R88 | DODGE BRIDGE | 1,224 | 313,768 | 369 | 850.32 | 3.317 |
| Southern OR | MEDFORD | GOLD HILL | 5R103 | GOLD HILL | 395 | 156,665 | 2,036 | 76.95 | 0.194 |
| Southern OR | MEDFORD | GRIFFIN CREEK | 5R204 | HULL RD | 178 | 18,429 | 2,731 | 6.75 | 0.065 |
| Southern OR | MEDFORD | GRIFFIN CREEK | 5R206 | GRIFFIN CREEK | 524 | 242,122 | 1,759 | 137.65 | 0.298 |
| Southern OR | MEDFORD | HUMBURG CREEK | 5R287 | HUMMINGBIRD | 470 | 297,386 | 690 | 430.99 | 0.681 |
| Southern OR | MEDFORD | JACKSONVILLE | 5R284 | STAGE RD | 1,746 | 852,518 | 2,058 | 414.25 | 0.848 |
| Southern OR | MEDFORD | JACKSONVILLE | 5R285 | JACKSONVILLE HWY | 1,320 | 298,293 | 2,244 | 132.93 | 0.588 |

Oregon 2021 Circuit Metrics (including major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|----------------|----------------------|-------------------|------------|------------------------|---------------------------------|-----------------------|------------------------|----------|-------|
| Southern OR | MEDFORD | MEDFORD | 5R21 | MELROSE | 1,596 | 217,815 | 1,580 | 137.86 | 1.010 |
| Southern OR | MEDFORD | MEDFORD | 5R23 | SPRING ST. | 1,659 | 227,997 | 1,629 | 139.96 | 1.018 |
| Southern OR | MEDFORD | MEDFORD | 5R250 | BIG Y | 484 | 68,847 | 1,862 | 36.97 | 0.260 |
| Southern OR | MEDFORD | MEDFORD | 5R253 | APPLE | 38 | 5,319 | 1,107 | 4.80 | 0.034 |
| Southern OR | MEDFORD | MEDFORD | 5R257 | PEAR | 829 | 128,526 | 805 | 159.66 | 1.030 |
| Southern OR | MEDFORD | MEDFORD | 5R659 | MCLEAN | 92 | 25,967 | 679 | 38.24 | 0.135 |
| Southern OR | MEDFORD | OAK KNOLL | 5R55 | SISKIYOU | 4,413 | 1,014,603 | 1,518 | 668.38 | 2.907 |
| Southern OR | MEDFORD | OAK KNOLL | 5R56 | HIGHWAY 99 | 253 | 46,482 | 120 | 387.35 | 2.108 |
| Southern OR | MEDFORD | PROSPECT CNTRL | 5R40 | CASCADE GORGE COTTAGES | 687 | 87,422 | 336 | 260.18 | 2.045 |
| Southern OR | MEDFORD | RED BLANKET | 7R5 | PROSPECT | 976 | 390,208 | 396 | 985.37 | 2.465 |
| Southern OR | MEDFORD | ROXY ANN | 5R350 | St. Bernard | 1,607 | 219,548 | 1,331 | 164.95 | 1.207 |
| Southern OR | MEDFORD | ROXY ANN | 5R354 | RACCOON | 1,843 | 240,289 | 1,577 | 152.37 | 1.169 |
| Southern OR | MEDFORD | RUCH | 5R68 | APPLEGATE | 1,258 | 245,050 | 936 | 261.81 | 1.344 |
| Southern OR | MEDFORD | RUCH | 5R69 | RUCH | 612 | 65,401 | 542 | 120.67 | 1.129 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R211 | COLUMBUS | 272 | 44,216 | 1,792 | 24.67 | 0.152 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R226 | BOISE | 40 | 4,789 | 927 | 5.17 | 0.043 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R28 | ROSS | 8 | 1,209 | 2,111 | 0.57 | 0.004 |
| Southern OR | MEDFORD | SAGE ROAD (OR) | 5R29 | EDWARDS | 10 | 522 | 733 | 0.71 | 0.014 |
| Southern OR | MEDFORD | SCENIC | 5R174 | UPTON | 434 | 81,714 | 2,010 | 40.65 | 0.216 |
| Southern OR | MEDFORD | SCENIC | 5R180 | HEAD RD | 210 | 56,636 | 1,181 | 47.96 | 0.178 |
| Southern OR | MEDFORD | SCENIC | 5R182 | TAYLOR RD | 2,800 | 399,530 | 1,852 | 215.73 | 1.512 |
| Southern OR | MEDFORD | SCENIC | 5R184 | CHENEY | 284 | 22,092 | 1,515 | 14.58 | 0.187 |
| Southern OR | MEDFORD | STEVENS ROAD | 4R13 | HENRY MILLER | 6,397 | 361,654 | 2,401 | 150.63 | 2.664 |
| Southern OR | MEDFORD | STEVENS ROAD | 4R17 | Stingray | 2,707 | 233,833 | 2,609 | 89.63 | 1.038 |
| Southern OR | MEDFORD | STEVENS ROAD | 4R41 | ANTELOPE | 1,807 | 221,771 | 1,160 | 191.18 | 1.558 |
| Southern OR | MEDFORD | TAKELMA | 4R9 | LOST CK. (TAKELMA) | 3,501 | 469,727 | 2,659 | 176.66 | 1.317 |
| Southern OR | MEDFORD | TALENT | 5R237 | TALENT | 2,007 | 232,899 | 1,784 | 130.55 | 1.125 |
| Southern OR | MEDFORD | TALENT | 5R238 | ANDERSON CRK | 4,134 | 713,313 | 1,649 | 432.57 | 2.507 |
| Southern OR | MEDFORD | TALENT | 5R239 | HARTLEY ROAD | 3,624 | 371,235 | 1,566 | 237.06 | 2.314 |
| Southern OR | MEDFORD | TALENT | 5R240 | NORTH HWY | 961 | 102,523 | 804 | 127.52 | 1.195 |
| Southern OR | MEDFORD | TOLO | 5R90 | TBL ROCK LBR | 6 | 864 | 164 | 5.27 | 0.037 |
| Southern OR | MEDFORD | TOLO | 5R91 | SAMS VALLEY | 2,148 | 460,527 | 658 | 699.89 | 3.264 |
| Southern OR | MEDFORD | TOLO | 5R92 | KIRTLAND RD | 523 | 44,855 | 211 | 212.58 | 2.479 |
| Southern OR | MEDFORD | VILAS ROAD | 5R110 | MCLAUGHLIN | 1,105 | 20,542 | 968 | 21.22 | 1.142 |
| Southern OR | MEDFORD | VILAS ROAD | 5R146 | KING CENTER | 3,825 | 99,050 | 1,454 | 68.12 | 2.631 |
| Southern OR | MEDFORD | VILAS ROAD | 5R305 | WEBFOOT | 431 | 29,394 | 920 | 31.95 | 0.468 |
| Southern OR | MEDFORD | WHITE CITY | 5R11 | EAGLE POINT | 1,782 | 399,337 | 1,489 | 268.19 | 1.197 |
| Southern OR | MEDFORD | WHITE CITY | 5R12 | INDUSTRIAL | - | - | 36 | - | - |
| Southern OR | MEDFORD | WHITE CITY | 5R14 | AGATE | 3 | 275 | 114 | 2.42 | 0.026 |
| Southern OR | MEDFORD | WHITE CITY | 5R19 | 3M | 130 | 98,796 | 124 | 796.74 | 1.048 |
| Southern OR | MEDFORD | WHITE CITY | 5R66 | 4 CORNERS | 22 | 3,406 | 1,875 | 1.82 | 0.012 |
| Southern OR | MEDFORD | WHITE CITY | 5R76 | AVE C | 80 | 62,415 | 79 | 790.07 | 1.013 |
| Southern OR | ROSEBURG/MYRTLECREEK | CANYONVILLE | 5U46 | CANYONVILLE | 46 | 70,605 | 392 | 180.11 | 0.117 |
| Southern OR | ROSEBURG/MYRTLECREEK | CANYONVILLE | 5U52 | BEALS CREEK FEEDER | 1,415 | 695,122 | 889 | 781.92 | 1.592 |
| Southern OR | ROSEBURG/MYRTLECREEK | CARNES | 5U44 | RND PRARIE | 988 | 210,841 | 420 | 502.00 | 2.352 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLEARWATER #1 SUB | 6U17 | BRIGGS | 3 | 1,311 | 3 | 437.02 | 1.000 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLEARWATER #2 SUB | 6U33 | CLEARWATER | 478 | 99,822 | 96 | 1,039.81 | 4.979 |

Oregon 2021 Circuit Metrics (including major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|-------------------|----------------------|------------------|------------|-------------------------------------|---------------------------------|-----------------------|------------------------|----------|--------|
| Southern OR | ROSEBURG/MYRTLECREEK | CLOAKE | 4U38 | HARVARD | 739 | 103,219 | 2,976 | 34.68 | 0.248 |
| Southern OR | ROSEBURG/MYRTLECREEK | CLOAKE | 4U39 | GOEDECK | 915 | 130,799 | 1,278 | 102.35 | 0.716 |
| Southern OR | ROSEBURG/MYRTLECREEK | GARDEN VALLEY | 4U80 | EDENBOWER | 3,011 | 40,428 | 806 | 50.16 | 3.736 |
| Southern OR | ROSEBURG/MYRTLECREEK | GARDEN VALLEY | 4U81 | VALLEY | 5,163 | 764,528 | 1,391 | 549.62 | 3.712 |
| Southern OR | ROSEBURG/MYRTLECREEK | GLIDE SUBSTATION | 5U83 | IDLEYLD | 647 | 178,822 | 896 | 199.58 | 0.722 |
| Southern OR | ROSEBURG/MYRTLECREEK | GLIDE SUBSTATION | 5U84 | LITTLE RIVER | 2,735 | 438,697 | 1,364 | 321.63 | 2.005 |
| Southern OR | ROSEBURG/MYRTLECREEK | GREEN SUBSTATION | 5U32 | SAFARI | 507 | 45,152 | 2,221 | 20.33 | 0.228 |
| Southern OR | ROSEBURG/MYRTLECREEK | GREEN SUBSTATION | 5U33 | SUNNYSLOPE | 15 | 4,987 | 1,643 | 3.04 | 0.009 |
| Southern OR | ROSEBURG/MYRTLECREEK | ILLAHEE FLATS | 6U13 | ILLAHEE FLATS SINGLE PHASE RECLOSER | 27 | 78,572 | 25 | 3,142.89 | 1.080 |
| Southern OR | ROSEBURG/MYRTLECREEK | LEMOLO # 1 | 5U920 | DIAMOND LAKE | 700 | 251,877 | 176 | 1,431.12 | 3.977 |
| Southern OR | ROSEBURG/MYRTLECREEK | MYRTLE CREEK | 5U76 | SUPER Y | 1,413 | 589,207 | 1,548 | 380.62 | 0.913 |
| Southern OR | ROSEBURG/MYRTLECREEK | MYRTLE CREEK | 5U77 | BOOMER HILL | 1,663 | 836,217 | 1,208 | 692.23 | 1.377 |
| Southern OR | ROSEBURG/MYRTLECREEK | OAKLAND (OR) | 5U11 | UMPQUA | 1,510 | 234,757 | 1,291 | 181.84 | 1.170 |
| Southern OR | ROSEBURG/MYRTLECREEK | OAKLAND (OR) | 5U12 | STAGECOACH | 13 | 775 | 558 | 1.39 | 0.023 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE | 5U1 | TRI CITY | 434 | 56,607 | 2,116 | 26.75 | 0.205 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE | 5U2 | COW CREEK | 1,804 | 322,908 | 1,568 | 205.94 | 1.151 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE | 5U3 | HANNA | 141 | 25,198 | 285 | 88.41 | 0.495 |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE-VENEER | 5U23 | FORD MILL | - | - | 1 | - | - |
| Southern OR | ROSEBURG/MYRTLECREEK | RIDDLE-VENEER | 5U50 | RFP-LVL (EWP) | 22 | 2,845 | 30 | 94.84 | 0.733 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROSEBURG | 4U10 | DIAMOND | 2,627 | 36,015 | 2,524 | 14.27 | 1.041 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROSEBURG | 4U22 | DIXON | 2,112 | 157,026 | 1,130 | 138.96 | 1.869 |
| Southern OR | ROSEBURG/MYRTLECREEK | ROSEBURG | 4U5 | DOUGLAS | 5,467 | 287,693 | 2,087 | 137.85 | 2.620 |
| Southern OR | ROSEBURG/MYRTLECREEK | SLIDE CREEK | 6U76 | SLIDE CREEK CAMP | 1 | 277 | 4 | 69.17 | 0.250 |
| Southern OR | ROSEBURG/MYRTLECREEK | SOUTHGATE | 4U30 | SHADY POINT | 3,947 | 498,335 | 1,620 | 307.61 | 2.436 |
| Southern OR | ROSEBURG/MYRTLECREEK | SOUTHGATE | 4U31 | BOOTH | 260 | 17,385 | 1,563 | 11.12 | 0.166 |
| Southern OR | ROSEBURG/MYRTLECREEK | STEAMBOAT | 6U18 | STEAMBOAT | 42 | 68,105 | 21 | 3,243.10 | 2.000 |
| Southern OR | ROSEBURG/MYRTLECREEK | SUTHERLIN | 5U35 | NON-PAREIL | 334 | 157,858 | 1,313 | 120.23 | 0.254 |
| Southern OR | ROSEBURG/MYRTLECREEK | SUTHERLIN | 5U36 | DEADY | 25 | 10,731 | 1,358 | 7.90 | 0.018 |
| Southern OR | ROSEBURG/MYRTLECREEK | SUTHERLIN | 5U56 | Industrial | 1 | 91 | 546 | 0.17 | 0.002 |
| Southern OR | ROSEBURG/MYRTLECREEK | TILLER | 5U89 | JACKSON CRK | 838 | 858,581 | 302 | 2,842.98 | 2.775 |
| Southern OR | ROSEBURG/MYRTLECREEK | TOKETEE | 6U21 | BACK UP FOR CLEARWATER 6U33 | 19 | 18,373 | 0 | #DIV/0 | #DIV/0 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | 4U18 | WILBUR | 3,648 | 110,958 | 1,648 | 67.33 | 2.214 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | 5U15 | NEWTON CREEK | 5,169 | 63,906 | 1,793 | 35.64 | 2.883 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | 5U17 | FISHER | 1,691 | 176,391 | 775 | 227.60 | 2.182 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINCHESTER | 5U19 | EVANS | 1,000 | 84,798 | 735 | 115.37 | 1.361 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINSTON | 5U48 | BROCKWAY | 35 | 3,372 | 863 | 3.91 | 0.041 |
| Southern OR | ROSEBURG/MYRTLECREEK | WINSTON | 5U49 | DILLARD | 4,183 | 698,607 | 1,456 | 479.81 | 2.873 |
| Willamette Valley | ALBANY | HAZELWOOD | 4M335 | WEST HIGH | 115 | 93,790 | 843 | 111.26 | 0.136 |
| Willamette Valley | ALBANY | HAZELWOOD | 4M336 | RIVERVIEW (HAZELWOOD) | 2,810 | 2,173,609 | 1,238 | 1,755.74 | 2.270 |
| Willamette Valley | ALBANY | JEFFERSON (OR) | 4M117 | MARION | 4,228 | 5,016,841 | 718 | 6,987.24 | 5.889 |
| Willamette Valley | ALBANY | JEFFERSON (OR) | 4M125 | MINT | 10,042 | 6,073,026 | 2,532 | 2,398.51 | 3.966 |
| Willamette Valley | ALBANY | MURDER CREEK | 4M243 | SCRAVEL HILL | 14,753 | 4,895,165 | 4,183 | 1,170.25 | 3.527 |
| Willamette Valley | ALBANY | MURDER CREEK | 4M245 | RURAL NW | 18,823 | 6,275,812 | 2,381 | 2,635.79 | 7.906 |
| Willamette Valley | ALBANY | MURDER CREEK | 4M249 | DURA-PACIFIC | 1,521 | 293,845 | 183 | 1,605.71 | 8.311 |
| Willamette Valley | ALBANY | MURDER CREEK | 4M250 | INDUSTRIAL | 4 | 224 | 4 | 56.12 | 1.000 |
| Willamette Valley | ALBANY | MURDER CREEK | 5M132 | WAH CHANG WEST | - | - | 0 | #DIV/0 | #DIV/0 |

Oregon 2021 Circuit Metrics (including major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|-------------------|----------------------|-----------------|------------|----------------------|---------------------------------|-----------------------|------------------------|----------|--------|
| Willamette Valley | ALBANY | OREMET | 4M295 | OAK CREEK | 109 | 5,773 | 100 | 57.73 | 1.090 |
| Willamette Valley | ALBANY | OREMET | 4M296 | ROGERSDALE | 2,602 | 237,724 | 2,167 | 109.70 | 1.201 |
| Willamette Valley | ALBANY | OREMET | 5M19 | OREMET | 3 | 118 | 3 | 39.27 | 1.000 |
| Willamette Valley | ALBANY | QUEEN AVE | 4M217 | SANTIAM | 1,981 | 116,015 | 1,888 | 61.45 | 1.049 |
| Willamette Valley | ALBANY | QUEEN AVE | 4M258 | HILL STREET | 6,945 | 869,136 | 2,870 | 302.83 | 2.420 |
| Willamette Valley | ALBANY | QUEEN AVE | 4M261 | WAVELY | 4,576 | 399,187 | 3,652 | 109.31 | 1.253 |
| Willamette Valley | ALBANY | QUEEN AVE | 4M262 | GEARY STREET | 5,704 | 871,322 | 2,639 | 330.17 | 2.161 |
| Willamette Valley | ALBANY | VINE STREET | 4M15 | FERRY | 6,269 | 687,648 | 3,238 | 212.37 | 1.936 |
| Willamette Valley | ALBANY | VINE STREET | 4M16 | WATER STREET | 10,818 | 8,387,782 | 4,284 | 1,957.93 | 2.525 |
| Willamette Valley | CORVALLIS | BUCHANAN | 4M130 | HEWLETT PACKARD | 3,087 | 594,802 | 2,701 | 220.22 | 1.143 |
| Willamette Valley | CORVALLIS | BUCHANAN | 4M133 | PEORIA | 7,980 | 1,922,492 | 2,433 | 790.17 | 3.280 |
| Willamette Valley | CORVALLIS | BUCHANAN | 4M134 | N. NINTH ST. | 7,900 | 817,098 | 2,595 | 314.87 | 3.044 |
| Willamette Valley | CORVALLIS | DIXON | 7M26 | FOURTH ST. | 230 | 1,211 | 233 | 5.20 | 0.987 |
| Willamette Valley | CORVALLIS | DIXON | 7M29 | SECOND ST. | 271 | 1,427 | 271 | 5.27 | 1.000 |
| Willamette Valley | CORVALLIS | GRANT ST | 4M265 | HIGH SCHOOL | 3,241 | 256,668 | 2,494 | 102.91 | 1.300 |
| Willamette Valley | CORVALLIS | GRANT ST | 4M266 | CHINTIMINI | 5,475 | 356,159 | 2,536 | 140.44 | 2.159 |
| Willamette Valley | CORVALLIS | GRANT ST | 4M268 | KINGS ROAD | 2,791 | 479,767 | 2,565 | 187.04 | 1.088 |
| Willamette Valley | CORVALLIS | GRANT ST | 4M269 | 29TH STREET | 1,858 | 359,702 | 3,627 | 99.17 | 0.512 |
| Willamette Valley | CORVALLIS | HILLVIEW | 4M180 | WEST HILLS | 352 | 103,129 | 1,916 | 53.83 | 0.184 |
| Willamette Valley | CORVALLIS | HILLVIEW | 4M181 | PHILOMATH | 3 | 571 | 1,317 | 0.43 | 0.002 |
| Willamette Valley | CORVALLIS | HILLVIEW | 4M182 | SUNSET | 1,817 | 545,700 | 1,765 | 309.18 | 1.029 |
| Willamette Valley | CORVALLIS | HILLVIEW | 4M185 | PLYMOUTH | 2,540 | 169,274 | 2,037 | 83.10 | 1.247 |
| Willamette Valley | CORVALLIS | MARYS RIVER | 4M151 | GREENBERRY | 684 | 183,298 | 3,619 | 50.65 | 0.189 |
| Willamette Valley | CORVALLIS | MARYS RIVER | 4M152 | AVERY | 47 | 18,966 | 186 | 101.97 | 0.253 |
| Willamette Valley | CORVALLIS | MARYS RIVER | 4M153 | GALLAGHER | 3,623 | 20,116 | 159 | 126.52 | 22.786 |
| Willamette Valley | COTTAGE GROVE/J.CITY | COBURG | 4M220 | DETERING | 19 | 3,269 | 586 | 5.58 | 0.032 |
| Willamette Valley | COTTAGE GROVE/J.CITY | GOSHEN (OR) | 4M360 | GOSHEN FDR | 4,981 | 150,393 | 1,623 | 92.66 | 3.069 |
| Willamette Valley | COTTAGE GROVE/J.CITY | HARRISBURG SUB | 4M400 | TERRITORIAL | 2,604 | 295,942 | 1,850 | 159.97 | 1.408 |
| Willamette Valley | COTTAGE GROVE/J.CITY | JUNCTION CITY | 4M102 | 6TH STREET | 560 | 83,396 | 1,156 | 72.14 | 0.484 |
| Willamette Valley | COTTAGE GROVE/J.CITY | JUNCTION CITY | 4M99 | PRAIRIE ROAD | 16 | 2,184 | 1,002 | 2.18 | 0.016 |
| Willamette Valley | COTTAGE GROVE/J.CITY | LANCASTER | 4M209 | MONROE | 1,603 | 402,006 | 1,130 | 355.76 | 1.419 |
| Willamette Valley | COTTAGE GROVE/J.CITY | VILLAGE GREEN | 4M84 | NORTH SIDE | 2,881 | 66,039 | 2,416 | 27.33 | 1.192 |
| Willamette Valley | COTTAGE GROVE/J.CITY | VILLAGE GREEN | 4M86 | MADISON | 1,898 | 71,022 | 1,625 | 43.71 | 1.168 |
| Willamette Valley | DALLAS/INDEPENDENCE | DALLAS | 4M100 | RURAL (DALLAS) | 3,771 | 2,534,401 | 2,073 | 1,222.58 | 1.819 |
| Willamette Valley | DALLAS/INDEPENDENCE | DALLAS | 4M201 | INDUSTRIAL | 8,048 | 5,196,687 | 3,138 | 1,656.05 | 2.565 |
| Willamette Valley | DALLAS/INDEPENDENCE | DALLAS | 4M202 | ELLENDALE | 10,538 | 9,392,328 | 3,017 | 3,113.13 | 3.493 |
| Willamette Valley | DALLAS/INDEPENDENCE | DALLAS | 4M238 | DALLAS | 8,570 | 9,222,847 | 2,325 | 3,966.82 | 3.686 |
| Willamette Valley | DALLAS/INDEPENDENCE | INDEPENDENCE | 4M22 | RICKREAL | 10,221 | 8,200,345 | 3,179 | 2,579.54 | 3.215 |
| Willamette Valley | DALLAS/INDEPENDENCE | INDEPENDENCE | 4M25 | BUENA VISTA | 9,765 | 7,980,216 | 2,126 | 3,753.63 | 4.593 |
| Willamette Valley | LEBANON | BROWNSVILLE | 4M17 | CALAPOOIA | 1,021 | 1,092,715 | 1,713 | 637.90 | 0.596 |
| Willamette Valley | LEBANON | CALAPOOYA | 4M850 | SPAULDING | 3,014 | 439,118 | 1,126 | 389.98 | 2.677 |
| Willamette Valley | LEBANON | CALAPOOYA | 4M851 | BEAR | 8 | 456 | 32 | 14.24 | 0.250 |
| Willamette Valley | LEBANON | CROWFOOT | 4M204 | CROWFOOT | 6,084 | 2,280,122 | 1,524 | 1,496.14 | 3.992 |
| Willamette Valley | LEBANON | CROWFOOT | 4M206 | US PLYWOOD (LEBANON) | 68 | 18,977 | 1,940 | 9.78 | 0.035 |
| Willamette Valley | LEBANON | LEBANON | 4M61 | TANGENT | 647 | 212,490 | 2,636 | 80.61 | 0.245 |
| Willamette Valley | LEBANON | LEBANON | 4M62 | RALSTON | 1,646 | 249,410 | 2,014 | 123.84 | 0.817 |
| Willamette Valley | LEBANON | LEBANON | 4M63 | TENNESSEE | 8,441 | 2,049,445 | 1,801 | 1,137.95 | 4.687 |
| Willamette Valley | LEBANON | LEBANON | 4M79 | CROWN Z | 4 | 3,962 | 1,170 | 3.39 | 0.003 |

Oregon 2021 Circuit Metrics (including major events)

| Oregon Regions | Op Area Name | Substation Name | Circuit Id | Circuit Name | Customers in Incident Sustained | Customer Minutes Lost | Circuit Customer Count | SAIDI | SAIFI |
|-------------------|--------------|-----------------|------------|--------------|---------------------------------|-----------------------|------------------------|----------|-------|
| Willamette Valley | LEBANON | SWEET HOME | 4M37 | HOLLEY | 5,260 | 1,053,683 | 2,035 | 517.78 | 2.585 |
| Willamette Valley | LEBANON | SWEET HOME | 4M38 | NARROWS | 1,159 | 124,230 | 983 | 126.38 | 1.179 |
| Willamette Valley | LEBANON | SWEET HOME | 4M93 | AMES CREEK | 3,211 | 231,179 | 1,683 | 137.36 | 1.908 |
| Willamette Valley | LEBANON | SWEET HOME | 4M94 | FOSTER | 5,233 | 973,715 | 2,428 | 401.04 | 2.155 |
| Willamette Valley | STAYTON | LYONS | 4M120 | MILL CITY | 3,260 | 617,978 | 691 | 894.32 | 4.718 |
| Willamette Valley | STAYTON | LYONS | 4M70 | MEHAMA | 16,279 | 6,695,739 | 1,939 | 3,453.19 | 8.396 |
| Willamette Valley | STAYTON | SCIO | 5M126 | THOMAS | 8,590 | 4,926,414 | 1,574 | 3,129.87 | 5.457 |
| Willamette Valley | STAYTON | STAYTON | 4M19 | AUMSVILLE | 5,374 | 16,736,906 | 3,471 | 4,821.93 | 1.548 |
| Willamette Valley | STAYTON | STAYTON | 4M353 | WEST STAYTON | 8,027 | 14,954,227 | 3,526 | 4,241.13 | 2.277 |
| Willamette Valley | STAYTON | STAYTON | 4M370 | CASCADE | 5,751 | 10,485,846 | 1,585 | 6,615.68 | 3.628 |
| Willamette Valley | STAYTON | STAYTON | 4M50 | 3RD STREET | 2,206 | 2,260,267 | 920 | 2,456.81 | 2.398 |

OREGON
Tree Program Reporting
Report as of Dec 31, 2021

Distribution Four Year Cycle Jan 1,2020 - Dec 31,2023

| | Total | Current Year Reporting | | | | | Total Cycle Reporting | | | | |
|----------------------------------|---------------|----------------------------------|-------------------------------------|------------------------------------|------------------------------------|--------------------------------------|---|--|--|--|--|
| | | 1/1/2021-12/31/2021 Rollover DST | 1/1/2021 - 12/31/2021 Miles Planned | 1/1/2021 - 12/31/2021 Miles Actual | 1/1/2021 - 12/31/2021 Ahead/Behind | 1/1/2021 - 12/31/2021 % Ahead/Behind | 1/1/2020 through end of cycle Miles Planned | 1/1/2020 through end of cycle Miles Actual | 1/1/2020 through end of cycle Ahead/Behind | 1/1/2020 through end of cycle % Ahead/Behind | |
| Total Line Miles | column a | column aa | column b | column c | column d | column e | column f | column g | column h | column i | |
| Oregon | 13,089 | 1,030 | 3,443 | 2,885 | -559 | 83.8% | 7,329 | 6,723 | -607 | 91.7% | |
| ALBANY | 537 | 0 | 0 | 0 | 0 | 0.0% | 324 | 324 | 0 | 0.0% | |
| CENTRAL OREGON | 1,347 | 104 | 241 | 235 | -6 | 97.4% | 716 | 699 | -17 | 97.6% | |
| CLATSOP | 375 | 25 | 82 | 66 | -16 | 80.5% | 162 | 146 | -16 | 90.2% | |
| COOS BAY | 645 | 0 | 121 | 120 | -1 | 99.5% | 306 | 305 | -1 | 99.8% | |
| CORVALLIS | 305 | 0 | 86 | 53 | -33 | 61.7% | 86 | 53 | -33 | 61.7% | |
| COTTAGE GROVE | 52 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0.0% | |
| DALLAS | 409 | 0 | 177 | 100 | -77 | 56.3% | 177 | 100 | -77 | 56.3% | |
| ENTERPRISE | 429 | 11 | 129 | 129 | 0 | 100.0% | 205 | 205 | 0 | 100.1% | |
| GRANTS PASS | 1,635 | 172 | 446 | 408 | -38 | 91.5% | 847 | 873 | 26 | 103.1% | |
| HERMISTON | 254 | 0 | 37 | 37 | 0 | 100.0% | 95 | 95 | 0 | 100.0% | |
| HOOD RIVER | 306 | 23 | 31 | 32 | 0 | 100.3% | 115 | 116 | 0 | 100.1% | |
| JUNCTION CITY | 155 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0.0% | |
| KLAMATH FALLS | 1,848 | 92 | 484 | 331 | -153 | 68.4% | 997 | 762 | -235 | 76.4% | |
| LAKEVIEW | 75 | 0 | 39 | 39 | 0 | 0.0% | 39 | 39 | 0 | 100.0% | |
| LEBANON | 696 | 0 | 354 | 257 | -97 | 72.7% | 354 | 257 | -97 | 72.7% | |
| LINCOLN CITY | 164 | 0 | 37 | 37 | 0 | 100.0% | 37 | 37 | 0 | 100.0% | |
| MEDFORD | 1,009 | 0 | 217 | 160 | -56 | 73.9% | 441 | 352 | -88 | 79.9% | |
| MILTON FREEWATER/WALLA WALLA(OR) | 155 | 0 | 7 | 7 | 0 | 101.5% | 90 | 90 | 0 | 100.1% | |
| NO MEDFORD | 893 | 24 | 297 | 293 | -4 | 98.6% | 537 | 541 | 4 | 100.8% | |
| PENDLETON | 611 | 162 | 109 | 109 | 0 | 100.0% | 288 | 288 | 0 | 100.0% | |
| PORTLAND* | 447 | 36 | 258 | 182 | -76 | 70.5% | 454 | 377 | -77 | 83.0% | |
| ROSEBURG | 298 | 142 | 291 | 290 | -1 | 99.5% | 670 | 674 | 4 | 100.6% | |
| STAYTON | 444 | 239 | 0 | 0 | 0 | 0.0% | 389 | 389 | -1 | 99.9% | |

Portland is on a two year cycle which causes us to do two cycles in a four year period.

| | |
|--------------------------------|----------|
| Distribution cycle \$/tree: * | \$128.16 |
| Distribution cycle \$/mile: | \$8,125 |
| Distribution cycle removal % * | 24.6% |

| Transmission | | | | |
|------------------|----------------------|-------------------|------------------------------|-------------------------------|
| Total Line Miles | Line Miles Scheduled | Line Miles Worked | Miles Ahead(behind) Schedule | % of miles on/behind Schedule |
| 3,120 | 1,908 | 1,695 | (213) | 89% |

- Notes:
- Column a: Total overhead pole miles by district
 - column aa: Carry over miles from prior cycle not completed.
 - Column b: Total overhead pole miles planned for the year reported for performance from Jan 1 2021 through Dec 31 2021
 - Column c: Actual overhead pole miles worked for the year during the performance period Jan 1 2021 through Dec 31 2021
 - Column d: Miles ahead or behind for the period Jan 1 2021 through Dec 31 2021 (column c-column b)
 - Column e: Percent of actual compared to planned for the period Jan 1 2021 through Dec 31 2021 ((column c÷b)×100)
 - Column f: Total overhead pole miles planned for the period Jan 1 2020 through end of cycle
 - Column g: Actual overhead pole miles worked during the period Jan 1 2020 through end of cycle
 - Column h: Miles ahead or behind for the period Jan 1 2020 through end of cycle (column g-column f)
 - Column i: Percent of actual compared to planned for the period Jan 1 2020 through end of cycle ((column g÷f)×100)
- * Conversion calculation for sq ft of brush to a tree was changed for in 2014 from 10 sq ft of brush = 1 tree to 100 sq ft of brush = 1 tree.

OREGON
Tree Program Reporting (C)

| | 2021 est | 2022 est | 2023 est | 2024 est | 2025 est | 2026 est |
|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Distribution | | | | | | |
| Tree Budget | 28,739,356 | 28,739,356 | 28,739,356 | 28,739,356 | 28,739,356 | 28,739,356 |
| Transmission | | | | | | |
| Tree Budget | 1,260,645 | 1,260,645 | 1,260,645 | 1,260,645 | 1,260,645 | 1,260,645 |
| Total Tree Budget | \$ 30,000,001 |

| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Distribution | | | | | | |
| Tree Actuals | 21,923,393 | 17,489,336 | 18,646,639 | 18,502,712 | 22,848,077 | 34,190,176 |
| Transmission | | | | | | |
| Tree Actuals | 2,355,070 | 3,745,786 | 2,660,821 | 2,528,003 | 2,524,520 | 2,267,173 |
| Total Tree Actuals | \$ 24,278,463 | \$ 21,235,122 | \$ 21,307,460 | \$ 21,030,715 | \$ 25,372,597 | \$ 36,457,349 |

| Calendar Year 2021 | Distribution | | |
|--------------------|----------------------|----------------------|-------------------|
| | Actuals | Budget | Variance |
| Jan | \$ 4,215,570 | \$ 3,825,887 | \$ 389,683 |
| Feb | \$ 5,398,015 | \$ 4,167,410 | \$ 1,230,605 |
| Mar | \$ 5,172,127 | \$ 4,088,621 | \$ 1,083,506 |
| Apr | \$ 3,269,557 | \$ 4,105,281 | \$ (835,724) |
| May | \$ 3,404,316 | \$ 4,601,123 | \$ (1,196,807) |
| Jun | \$ 3,048,143 | \$ 3,706,786 | \$ (658,643) |
| Jul | \$ 3,322,420 | \$ 3,838,889 | \$ (516,469) |
| Aug | \$ 2,639,455 | \$ 3,130,337 | \$ (490,881) |
| Sep | \$ 2,848,079 | \$ 3,202,893 | \$ (354,813) |
| Oct | \$ 2,901,139 | \$ 3,188,215 | \$ (287,076) |
| Nov | \$ 2,853,652 | \$ 2,454,882 | \$ 398,770 |
| Dec | \$ 3,263,864 | \$ 1,595,812 | \$ 1,668,052 |
| Total | \$ 42,336,338 | \$ 41,906,136 | \$ 430,203 |

| Transmission | | |
|---------------------|---------------------|---------------------|
| Actuals | Budget | Variance |
| \$ 162,259 | \$ 223,328 | \$ (61,069) |
| \$ 121,098 | \$ 223,328 | \$ (102,230) |
| \$ 174,193 | \$ 223,328 | \$ (49,135) |
| \$ 114,055 | \$ 223,328 | \$ (109,272) |
| \$ 258,378 | \$ 223,328 | \$ 35,051 |
| \$ 223,838 | \$ 223,328 | \$ 510 |
| \$ 320,810 | \$ 223,328 | \$ 97,483 |
| \$ 205,524 | \$ 223,328 | \$ (17,804) |
| \$ 213,229 | \$ 223,328 | \$ (10,099) |
| \$ 267,251 | \$ 223,328 | \$ 43,923 |
| \$ 114,861 | \$ 223,328 | \$ (108,467) |
| \$ 217,209 | \$ 223,328 | \$ (6,119) |
| \$ 2,392,704 | \$ 2,679,931 | \$ (287,228) |

| | |
|---|------------|
| Average # Tree Crews on Property (YTD) | 130 |
|---|------------|

INSPECTION AND MAINTENANCE PROGRAMS

Inspection and Repairs

In Calendar Year 2021 (January 01 through December 31, 2021), among distribution and transmission facilities (both overhead and underground), 2,796 'A' Priority conditions were recorded and 2,159 were corrected.

For 'B' priority conditions, 25,823 were identified and 16,639 were corrected in CY2021.

Reporting of 'C' priority conditions was terminated early 2014, however some are still occasionally entered into the inspection system inadvertently. Five were identified in 2021 and these will be reviewed and reprioritized as required. Forty-seven of 'C' priority conditions were corrected.

Pole and Overhead Facilities

- PacifiCorp is currently on a 10-year cycle for the Detail inspection and treatment of overhead Distribution and Transmission facilities. In CY2021, 56,604 Distribution, 5,765 Local Transmission and 6,749 Main Grid Transmission Detail inspections were performed. Detail inspections were performed on 15.45% of the total 447,416 overhead facilities.
- 38,810 Distribution poles, 4,809 Local Transmission poles and 646 Main Grid Transmission poles were Tested and Treated. Test and Treatment was performed on 9.89% of the total 447,416 overhead facilities.
- PacifiCorp replaced or reinforced 1,138 poles that were rejected through the Test and Treat inspection program. The CY2021 rejection rate was 2.11%.

A. Visual Inspections

The visual inspection of the Distribution and Transmission system is on a 2-year cycle. In CY2021, 216,412 Distribution, 26,027 Local Transmission and 11,629 Main Grid inspections were performed for a total of 254,068 inspections which equates to 56.79% of the total overhead facilities. Random re-inspections were performed by operations managers to ensure uniform results and adherence.

B. Underground Facilities

The inspection of underground facilities is on a 10-year cycle. It includes a detail inspection of primary underground facilities and an infrared inspection of accessible terminals and splices. During CY2021, 12,109 inspections were performed; 9.94% of 121,766 underground facilities.

C. Marina Inspection Program

The inspection of marinas is annual. In CY2021, 100% of marinas were inspected.

D. Line Equipment Maintenance

Line Equipment – Overhead Reclosers, Sectionalizers, Regulators, Switches

Line equipment is inspected during the 2-year cycle Visual Survey; therefore, inspection requirements have been met for Reclosers, Sectionalizers and Regulators and Switches.

SUBSTATION MAINTENANCE PROGRAMS

A. Performance Measure X3 Substation Maintenance Programs

1. Description - Substations are critical utility network facilities requiring more frequent inspections and testing of all its equipment. The Company will provide, at the annual meetings, information of its Substation maintenance programs.
2. Program Interval - The program interval will be dictated by the substation equipment operational requirements.
3. Program Expenditures - PacifiCorp is to submit an annual actual versus budgeted expenditures for all substations equipment maintenance programs.

B. Substation Security Inspections

Substation security inspections are performed on cycles based on policy. This includes a detailed inspection of the fence, gates, warning signs, grounding systems, etc. The inspector is trained to look for security violations and public hazards. Copies of the inspection results are filed at the substation and field office. Field personnel are instructed to immediately correct all perimeter security violations.

Reference PacifiCorp Maintenance Policy 034 - Substation Inspection Policy and form 3274F-Substation Inspection.

PacifiCorp operates 281 substation and communication facilities in Oregon. PacifiCorp performed 99.11% of the planned substation security inspections in CY2021.

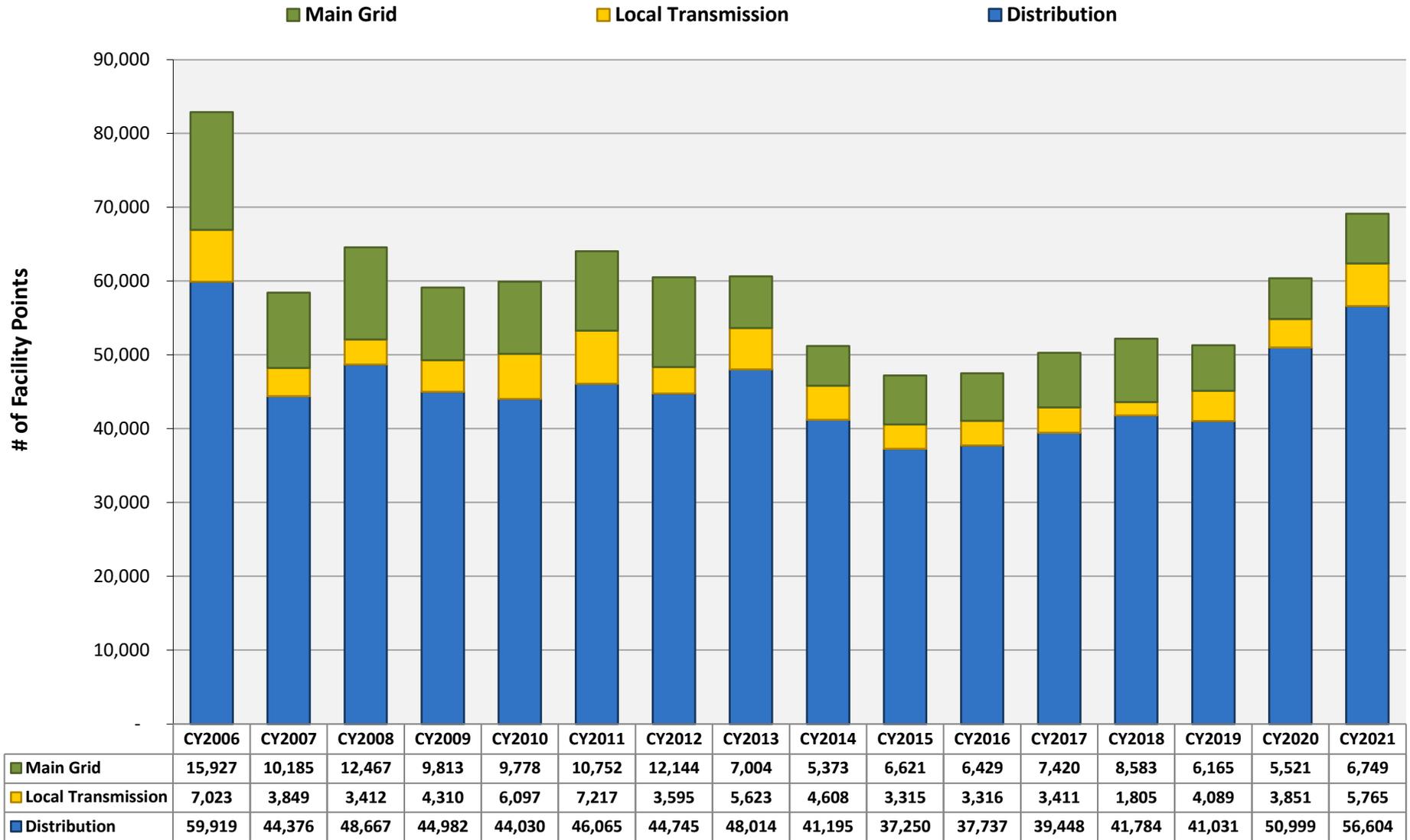
C. Substation Equipment Inspections

Batteries, Capacitor Banks, Circuit Breakers, Switches, LTC's, Regulators, Transformers, and protective relays are inspected on cycles based on policy. Inspections check pressure, temperature, voltage, LTC and regulator operation, cooling equipment, insulators, relay targets, etc.

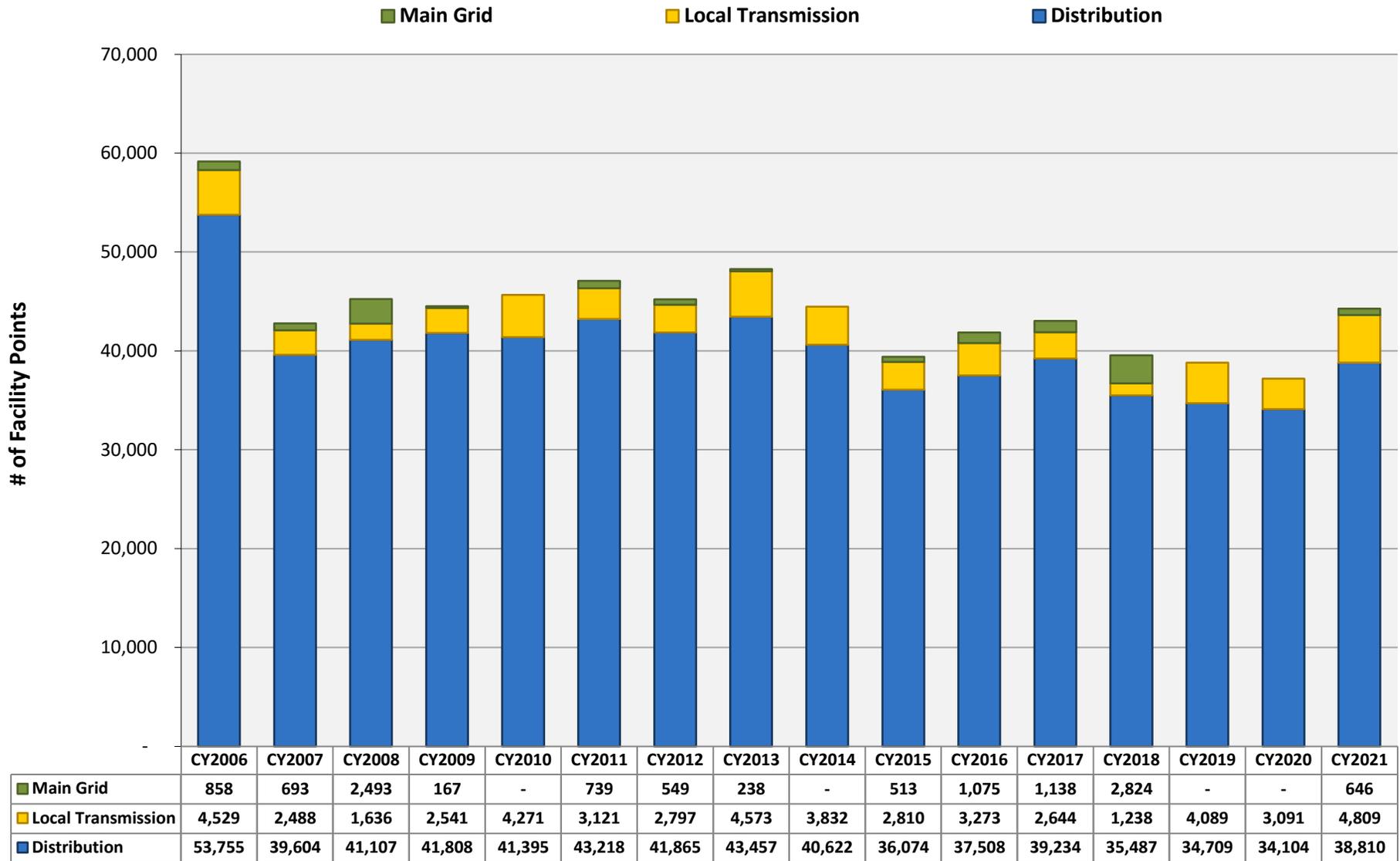
Reference PacifiCorp Maintenance Policy 034 - Substation Inspection Policy and form 3274F-Substation Inspection.

PacifiCorp performed 98.66% of the planned substation equipment inspections in Oregon in CY2021.

CY2021 Overhead Detail Inspection History

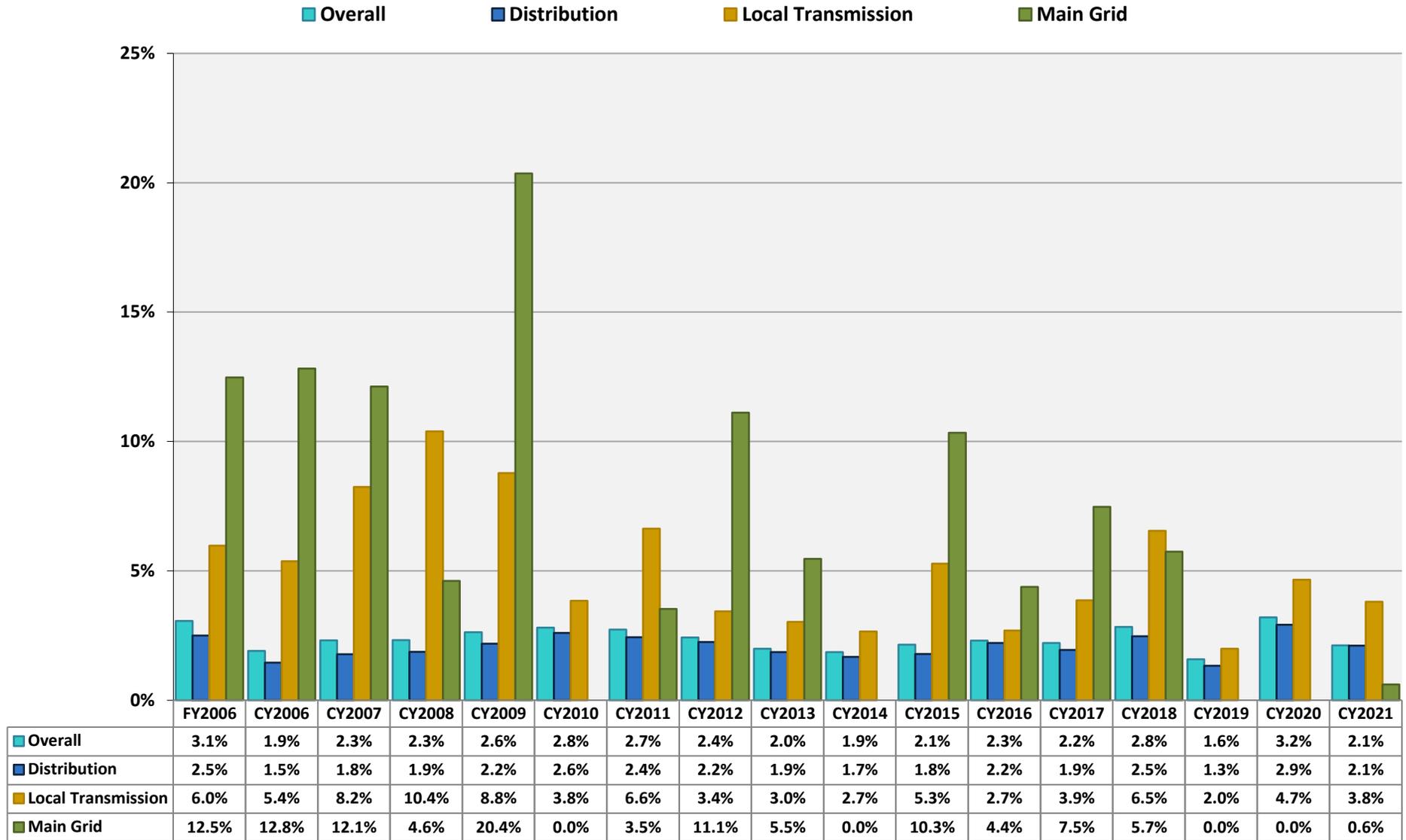


CY2021 Pole Test and Treat History



Includes intrusive and physical testing

CY2021 Pole Reject Rate History



(In FY2005, Distribution and blended Transmission breakout became available; effective FY2006, full breakout views were available. Main Grid rates combine intrusive inspection rejects with detail inspection BOPOLE.)

BUDGET

| Pole Inspect & Treat | | | | ACTUALS | BUDGET |
|----------------------|--------|---------|--|--------------------|--------------------|
| Distribution | T&T | 515 | | \$2,492,139 | \$2,359,415 |
| | Detail | 520 | | \$298,509 | \$317,977 |
| Transmission | T&T | 843,883 | | \$448,826 | \$650,966 |
| | Detail | 840,880 | | \$264,802 | \$354,908 |
| Total | | | | \$3,504,276 | \$3,683,265 |

| Pole Replacements | | | | ACTUALS | BUDGET |
|-------------------|--|--|--|---------------------|---------------------|
| Distribution | | | | \$11,597,394 | \$10,808,421 |
| Transmission | | | | \$6,517,728 | \$8,550,004 |
| Total | | | | \$18,115,122 | \$19,358,425 |

| Repair and Replace Facilities | | | | ACTUALS | BUDGET |
|-------------------------------|---|--|--|---------------------|---------------------|
| Distribution | 500, 501, 502, 503, 504, 505, 509, 518, 526, 527, 595, 624, 625, 626, 905 | | | \$12,904,287 | \$12,923,752 |
| Transmission | 845, 847, 846, 865, 884, 886, 848, 889 | | | \$563,556 | \$842,962 |
| Total | | | | \$13,467,843 | \$13,766,714 |

| Visual Inspections (Includes Equipment Inspections) | | | | ACTUALS | BUDGET |
|---|--|---------|--|--------------------|--------------------|
| Distribution | | 521 | | \$661,540 | \$623,667 |
| Transmission | | 841,881 | | \$389,411 | \$482,224 |
| Total | | | | \$1,050,951 | \$1,105,891 |

| Underground Inspections | | | | ACTUALS | BUDGET |
|-------------------------|--|-----|--|------------------|------------------|
| Distribution | | 508 | | \$334,525 | \$367,879 |
| Total | | | | \$334,525 | \$367,879 |

| Substation Maintenance | | | | ACTUALS | BUDGET |
|---------------------------------------|--|--|--|--------------------|--------------------|
| Distribution Preventative Maintenance | | | | \$1,967,413 | \$2,125,209 |
| Distribution Corrective Maintenance | | | | \$827,516 | \$1,432,212 |
| Transmission Preventative Maintenance | | | | \$1,779,982 | \$2,143,936 |
| Transmission Corrective Maintenance | | | | \$1,223,186 | \$1,023,936 |
| Total | | | | \$5,798,098 | \$6,725,293 |