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REPORT NAME: Annual Reliability Report for Calendar Year 2018

COMPANY NAME: PacifiCorp

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If known, please select designation: RE (Electric) RG (Gas) RW (Water) RO (Other)

Report is required by: OAR 860-023-0151

Statute

Order

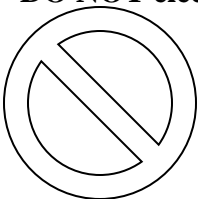
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List applicable Key Words for this report to facilitate electronic search:
Compliance Filing - Annual Reliability Report for Calendar Year 2018

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- Accident reports required by ORS 654.715

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825 NE Multnomah, Suite 2000
Portland, Oregon 97232

May 1, 2019

VIA ELECTRONIC FILING

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

Attn: Filing Center

RE: Annual Reliability Report for Calendar Year 2018

PacifiCorp d/b/a Pacific Power submits for filing its Annual Reliability Report for calendar year 2018. This filing is made in compliance with OAR 860-023-0151.

Please direct any questions on this report to Cathie Allen at 503-813-5934.

Sincerely,

A handwritten signature in black ink, appearing to read "Etta Lockey", with a long, sweeping horizontal line extending to the right.

Etta Lockey
Vice President, Regulation

Enclosure



**Pacific Power's
Annual Report:**

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

Calendar Year 2018 Review
(January 1 – December 31, 2018)

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RELIABILITY

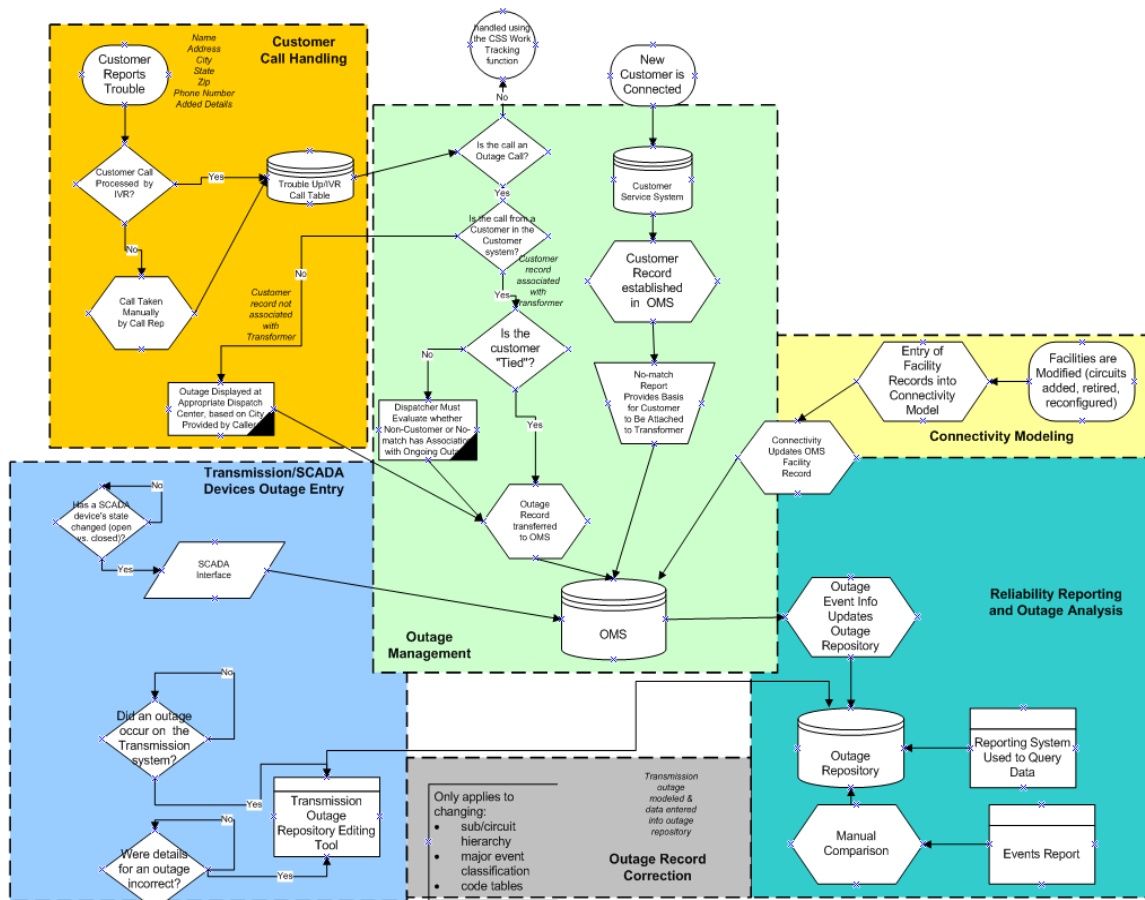
Introduction and Reliability Discussion

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 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 Oregon PUC Staff. The Company is at the latter stages of implementing an advanced metering infrastructure (AMI) system, after which modifications to the outage communication process and reliability will occur. As the Company rationalizes the effects of these changes it will apprise the Commission Staff about the changes and their measured impacts to reliability metrics.



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 document¹, 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” TMed 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 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.

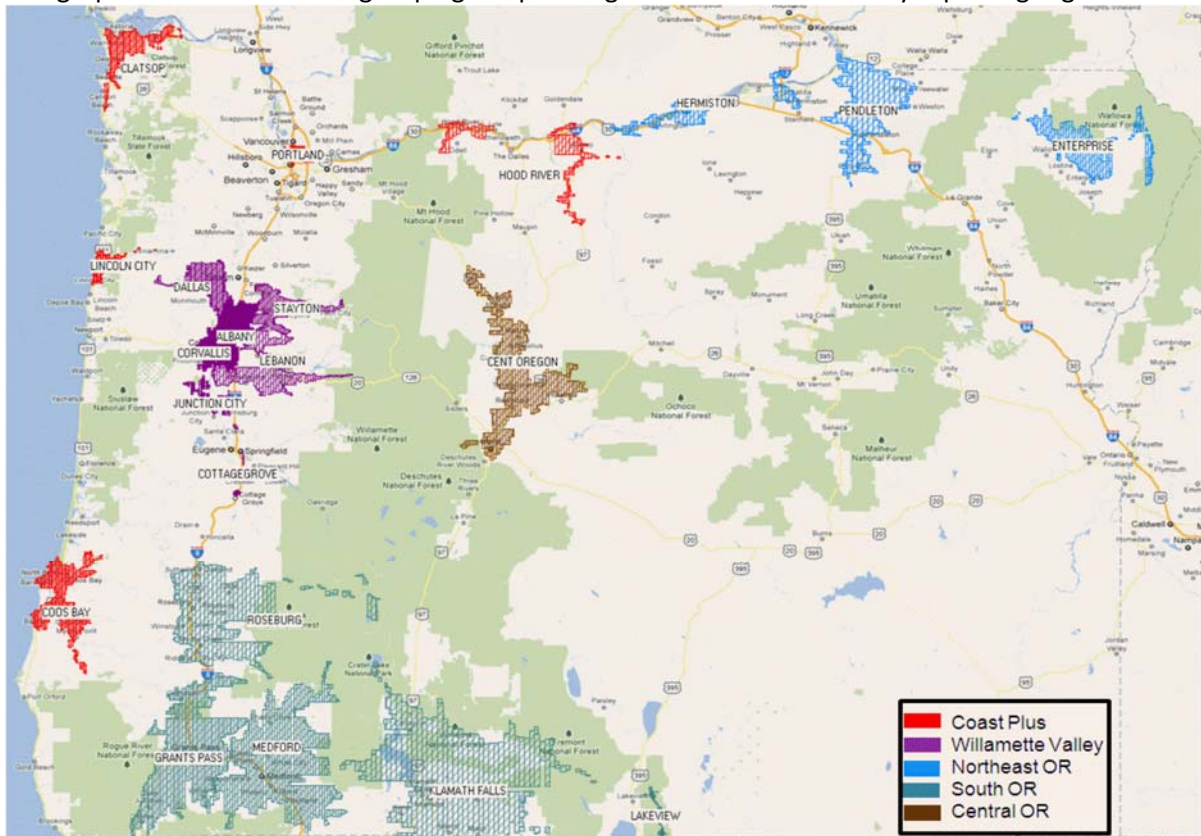
¹ State administrative rules regarding service reliability were modified during 2011, which has resulted in significant modifications to this section of the report.

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 1782-2014². 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.

Reliability Reporting Regions Map

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



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.

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 CY2018 and for application during CY2019. Since certain major events may be filed as a statewide event, the state threshold and history is also supplied.

2018 Major Event Threshold			
Reliability Region	TMed SAIDI	TMed CMI	Operating Areas within Region
Central OR	5.71	469,072	Bend/Redmond, Madras
Coast Plus	11.20	1,722,410	Clatsop/Astoria, Coos Bay/Coquille, Hood River, Lincoln City, Portland
Northeast OR	12.90	321,673	Enterprise, Hermiston, Milton-Freewater, Pendleton, Walla Walla
South OR	12.98	2,914,386	Grants Pass, Klamath Falls, Lakeview, Medford, Roseburg/Myrtle Creek
Willamette Valley	19.74	2,411,644	Albany, Corvallis, Cottage Grove/J. City, Dallas/Independence, Lebanon, Stayton
Oregon	7.41	4,501,730	

2019 Major Event Threshold			
Reliability Region	TMed SAIDI	TMed CMI	Operating Areas within Region
Central OR	5.72	484,821	Bend/Redmond, Madras
Coast Plus	11.91	1,860,107	Clatsop/Astoria, Coos Bay/Coquille, Hood River, Lincoln City, Portland
Northeast OR	13.22	334,025	Enterprise, Hermiston, Milton-Freewater, Pendleton, Walla Walla
South OR	13.10	2,975,868	Grants Pass, Klamath Falls, Lakeview, Medford, Roseburg/Myrtle Creek
Willamette Valley	18.81	2,336,645	Albany, Corvallis, Cottage Grove/J. City, Dallas/Independence, Lebanon, Stayton
Oregon	7.09	4,379,315	

The following table is a 5-year view of each region’s TMed values.

Calendar Year	2018		2017		2016		2015		2014	
	CMI	SAIDI	CMI	SAIDI	CMI	SAIDI	CMI	SAIDI	CMI	SAIDI
Central OR	484,821	5.72	469,072	5.71	429,381	5.40	383,788	4.95	349,230	4.34
Coast Plus	1,860,107	11.91	1,722,410	11.20	1,687,255	11.09	1,421,626	9.45	1,452,428	9.60
Northeast OR	334,025	13.22	321,673	12.90	302,667	12.27	277,008	10.82	232,269	9.35
South OR	2,975,868	13.10	2,914,386	12.98	2,740,682	12.35	2,471,653	11.24	2,306,700	10.13
Willamette Valley	2,336,645	18.81	2,411,644	19.74	2,439,916	20.28	2,124,571	17.84	2,134,793	17.34
Oregon	4,379,315	7.09	4,501,730	7.41	4,698,658	7.85	4,262,263	7.21	4,317,671	7.11

Major Events Excluded Report

Pacific Power filed written documentation for two Major Events in 2018 that were excluded from underlying reliability performance results. They are summarized in the table below.

Oregon 2018 Major Events - Written Filings									
Event Date	Reliability Reporting Region – Description	CML	CI	PUC Report Required	Region TMed SAIDI	Region Event SAIDI	Oregon SAIDI	Oregon SAIFI	Oregon CAIDI
March 29	Northeast - Loss of Substation due to damaged equipment	804,502	1,758	Yes	32.26	0.07	1.32	0.00	458
December 14-15	Oregon - Wind Storm/Trees	13,083,065	42,434	Yes	21.54	0.07	21.54	0.07	308
TOTAL Oregon Major Events Filed		13,887,567	44,192				22.86	0.07	314

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 Oregon Administrative Rules.

Oregon 2018 Major Events - Low CAIDI (<300) No Filings									
Event Date	Reliability Reporting Region – Description	CML	CIS	PUC Report Required	Region TMed SAIDI	Region Event SAIDI	Oregon SAIDI	Oregon SAIFI	Oregon CAIDI
June 25	Central - Loss of Substation	782,666	5,233	No	9.54	0.06	1.29	0.01	150
July 4	Central - Fire Due to Fireworks	2,099,543	26,911	No	25.58	0.33	3.46	0.04	78
July 20-21	Central - Loss of Substation/Animal Interference	548,695	4,754	No	6.68	0.06	0.90	0.01	115
August 26	Coastplus - Loss of Feed from Supplier	1,968,503	10,005	No	12.80	0.07	3.24	0.02	197
November 23-24	Southern - Loss of Substation	5,252,259	33,715	No	23.39	0.15	8.65	0.06	156
December 17-18	Oregon - Wind Storm/Trees	4,535,081	21,823	No	7.47	0.04	7.47	0.04	208
TOTAL Major Events with low CAIDI		15,186,747	102,441				25.00	0.17	148

Total Performance Summary

Oregon 2018 Major Events - Summary	CML	CIS	PUC Report Required	Oregon SAIDI	Oregon SAIFI	Oregon CAIDI
Total Oregon Major Events Filed	13,887,567	44,192	Yes	22.86	0.07	314
Total Major Events with low CAIDI (no filing required)²	15,186,747	102,441	No	25.00	0.17	148
TOTAL MAJOR EVENTS	29,074,314	146,633	-	47.86	0.24	198
Oregon Underlying Events - <u>Excludes</u> Major Event	59,506,886	749,025	-	97.96	1.23	79
Oregon Total Performance - <u>Includes</u> Major Event	88,581,200	895,658	-	145.82	1.47	99

Under-Performing Circuits

After the completion of the development of reliability improvement plans, 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 has evaluated the effectiveness of the CPI, determining whether inclusion of major events and transmission outages produce better results. The inclusion of major event and transmission outages, reporting period comparisons yielded a limited ability to identify the benefits of improvements made on each of the circuits. 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 12/31/2018 and identified as Program Year 20 (2019) circuits in the Network Initiatives program:

Program Year 20 (2019) UNDER-PERFORMING CIRCUITS				
CIRCUIT ID	CIRCUIT NAME	KV	OPERATING AREA	CPI ⁹⁹
5L43	Dairy	12.5	Klamath Falls	101
5R133	Glendale	12.5	Grants Pass	163
4M201	Industrial	20.8	Dallas/Independence	1,413
5A16	Mill (Warrenton)	12.5	Clatsop (Astoria)	129
5R63	Wood River	12.5	Grants Pass	143
TARGET SCORE				312

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 12/31/18
Circuit Performance Indicator (CPI99)				
Program Year 19 (2018):				
L804	Bandon	Coos Bay/Coquille	138	120
4M238	Dallas	Dallas/Independence	161	112
4M94	Foster	Lebanon	199	189
4M125	Mint	Albany	151	67
4L50	Rocky Point Feeder (Running Y)	Klamath Falls	249	182
TARGET SCORE = 143			180	134

UNDER-PERFORMING CIRCUITS				
CIRCUIT ID	CIRCUIT NAME	OPERATING AREA	BASELINE	Performance 12/31/18
Circuit Performance Indicator (CPI99)				
Program Year 18 (2017):				
4M25	Buena Vista	Dallas/Independence	163	143
4C106	Coos River	Coos Bay/Coquille	212	264
4M120	Mill City	Stayton	261	124
5A211	Olney	Clatsop/Astoria	183	144
5R55	Siskiyou	Medford	220	149
TARGET MET			TARGET SCORE = 166	208
Program Year 17 (2016):				
5A20	SOUTH (Warrenton)	Warrenton	124	31
4C67	INDUSTRIAL	Coos Bay/Coquille	82	56
5L57	CRATER LAKE	Klamath Falls	200	186
4A316	LAKE (DEVILS LAKE)	Lincoln City	172	146
5U52	BEALS CREEK FEEDER	Roseburg/Myrtle Creek	188	89
TARGET MET			TARGET SCORE = 123	153
Program Year 16 (2015):				
4C108	EMPIRE	Coos Bay/Coquille	16	13
5A93	BRADWOOD	Clatsop (Astoria)	114	132
5K43	BELMONT	Hood River	118	52
5R232	MERLIN-HUGO	Grants Pass	41	24
5R65	DEER CREEK	Grants Pass	59	190
TARGET SCORE = 56			70	82
Program Year 15 (2014):				
4M268	KINGS ROAD	Corvallis	115	54
4M269	29 TH STREET	Corvallis	133	64
4U5	DOUGLAS	Roseburg/Myrtle Creek	34	26
4C50	BUNKERHILL	Coos Bay/Coquille	152	55
5R63	WOOD RIVER	Grants Pass	193	143
TARGET MET			TARGET SCORE = 100	125
Program Year 14 (2013):				
4C42	TERRES HGHTS	Coos Bay/Coquille	158	89
5K70	EASTSIDE (Hood River)	Hood River	110	36
5R133	GLENDALE	Grants Pass	171	162
5R259	CHINOOK (Grants Pass)	Grants Pass	131	71
5R53	ROUGH & READY	Grants Pass	69	99
TARGET MET			TARGET SCORE = 102	128
Program Year 13 (2012):				
5D144	D.R.W.	Bend/Redmond	124	19
5D2	DESCHUTES S	Bend/Redmond	104	24
4U39	GOEDECK	Roseburg/Myrtle Creek	24	31
5U84	LITTLE RIVER	Roseburg/Myrtle Creek	70	33
5L59	WEST	Klamath Falls	45	22
TARGET MET			TARGET SCORE = 59	73
Program Year 12 (2011):				
5L45	CRYSTAL SPR	Klamath Falls	154	34
4D68	WARM SPRINGS	Madras	157	159
5U83	IDLEYLD	Roseburg/Myrtle Creek	146	153
5R248	PLEASANT VLY- MERLIN	Grants Pass	39	42
4U10	DIAMOND	Roseburg/Myrtle Creek	40	42
TARGET MET			TARGET SCORE = 86	107

Oregon Five-Year Reliability Reporting Region Metrics

Excluding Major Events	SAIDI					SAIFI					MAIFle				
	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
OR REGION															
Central OR	63	60	45	52	39	1.10	0.49	0.40	0.41	0.62	2.97	2.59	2.50	3.29	2.97
CoastPlus	110	87	98	111	86	1.06	0.76	1.01	1.55	1.01	4.42	4.22	3.51	3.59	3.70
Northeast OR	108	120	87	95	129	1.18	1.04	0.66	1.05	1.71	1.37	4.41	5.34	4.63	2.92
South OR	128	133	123	106	110	1.12	0.83	1.01	0.98	1.56	3.32	4.02	3.54	4.41	3.96
Willamette Valley	172	176	157	177	124	1.32	1.66	1.76	2.02	1.23	6.88	3.16	2.79	2.70	3.22
OREGON	123	120	111	114	98	1.15	0.94	1.07	1.26	1.23	4.23	3.65	3.23	3.54	3.59

Including Major Events	SAIDI					SAIFI					MAIFle				
	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
OR REGION															
Central OR	99	117	74	102	83	1.26	0.88	0.70	0.56	1.09	2.97	2.59	2.50	3.29	2.97
CoastPlus	211	175	336	213	158	1.54	1.21	1.97	2.31	1.28	4.42	4.22	3.51	3.59	3.70
Northeast OR	205	289	146	147	164	1.39	1.70	0.92	1.17	1.80	1.37	4.41	5.34	4.63	2.92
South OR	146	389	184	442	166	1.26	1.28	1.38	1.85	1.83	3.32	4.02	3.54	4.41	3.96
Willamette Valley	597	240	264	371	131	2.43	1.87	2.23	2.65	1.26	6.88	3.16	2.79	2.70	3.22
OREGON	250	265	223	312	146	1.57	1.35	1.59	1.93	1.47	4.23	3.65	3.23	3.54	3.59

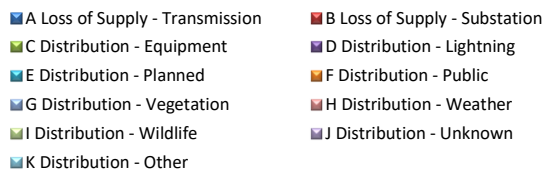
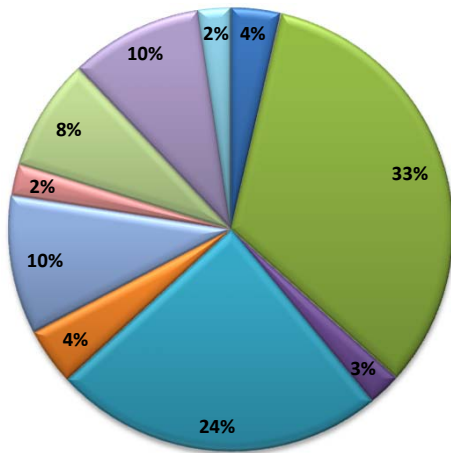
Oregon Five-Year Customer Count by Reliability Region and Operating Area

Region	Op Area	CY2018	CY2017	CY2016	CY2015	CY2014
Central OR	BEND/REDMOND	65,186	62,949	61,061	63,110	61,724
Central OR	MADRAS	16,897	16,623	16,476	17,325	17,250
Central OR		82,083	79,572	77,537	80,435	78,974
CoastPlus	CLATSOP (ASTORIA)	24,657	24,422	24,146	24,462	24,367
CoastPlus	COOS BAY/COQUILLE	26,409	26,194	26,104	27,376	27,310
CoastPlus	HOOD RIVER	9,409	9,235	9,113	9,545	9,414
CoastPlus	LINCOLN CITY	12,172	12,047	11,926	12,060	12,071
CoastPlus	PORTLAND	81,104	80,241	79,156	77,877	78,281
CoastPlus		153,751	152,139	150,445	151,320	151,443
Northeast OR	ENTERPRISE	5,432	5,353	5,316	5,412	5,366
Northeast OR	HERMISTON	4,696	4,639	4,634	4,859	4,824
Northeast OR	MILTON/FREEWATER	-	-	-	102	1,010
Northeast OR	PENDLETON	12,915	12,795	12,762	13,299	13,180
Northeast OR	WALLA WALLA OR	1,892	1,876	1,723	1,177	1,372
Northeast OR		24,935	24,663	24,435	24,849	25,752
South OR	GRANTS PASS	51,864	51,217	50,709	52,490	52,220
South OR	KLAMATH FALLS	37,704	37,472	37,251	39,334	39,153
South OR	LAKEVIEW	2,439	2,328	2,410	2,543	2,529
South OR	MEDFORD	89,904	88,569	87,494	90,122	89,379
South OR	ROSEBURG/MYRTLECREEK	42,616	42,286	42,116	43,233	43,022
South OR		224,527	221,872	219,980	227,722	226,303
Willamette Valley	ALBANY	31,783	31,250	30,943	32,190	32,670
Willamette Valley	CORVALLIS	29,657	29,445	29,072	29,754	29,551
Willamette Valley	COTTAGE GROVE/J.CITY	11,221	11,092	10,983	11,271	11,371
Willamette Valley	DALLAS/INDEPENDENCE	15,189	14,918	14,717	15,044	14,854
Willamette Valley	LEBANON	20,738	20,297	20,090	20,914	19,818
Willamette Valley	STAYTON	13,578	13,329	13,254	13,951	13,851
Willamette Valley		122,166	120,331	119,059	123,124	122,115
Oregon		607,462	598,577	591,456	607,450	604,587

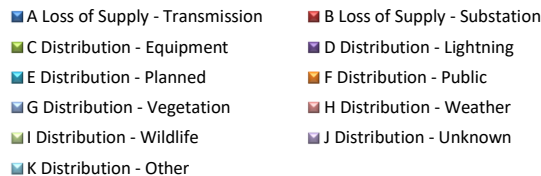
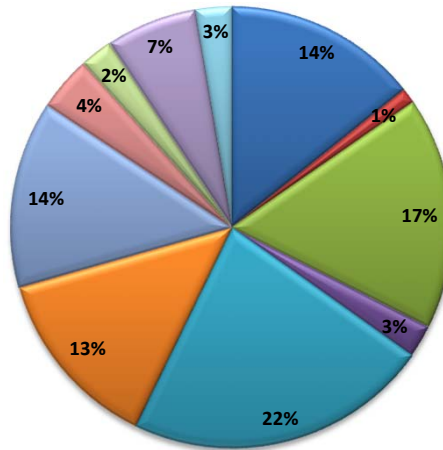
Oregon Five-Year Cause Analysis by State (excluding major events)

OAR Cause	2014			2015			2016			2017			2018		
	Sustained Incident Count	SAIDI	SAIFI	Sustained Incident Count	SAIDI	SAIFI	Sustained Incident Count	SAIDI	SAIFI	Sustained Incident Count	SAIDI	SAIFI	Sustained Incident Count	SAIDI	SAIFI
A Loss of Supply - Transmission	247	12.58	0.376	114	9.69	0.156	188	16.12	0.336	270	22.61	0.530	333	16.97	0.594
B Loss of Supply - Substation	29	7.66	0.047	18	8.87	0.039	25	8.37	0.053	20	3.37	0.025	7	1.30	0.010
C Distribution - Equipment	3,883	30.12	0.186	3,979	27.24	0.171	2,950	26.33	0.156	3,432	23.44	0.148	3,076	20.24	0.148
D Distribution - Lightning	238	1.49	0.005	168	1.09	0.006	52	0.20	0.001	153	1.33	0.009	224	2.84	0.016
E Distribution - Planned	2,325	20.56	0.175	2,174	32.78	0.233	1,786	24.72	0.214	1,523	14.93	0.148	2,249	26.57	0.188
F Distribution - Public	409	16.31	0.096	512	17.66	0.116	361	16.42	0.095	326	18.15	0.098	386	15.90	0.079
G Distribution - Vegetation	1,344	31.56	0.194	1,142	24.86	0.134	773	18.65	0.116	938	21.50	0.154	946	16.29	0.107
H Distribution - Weather	179	3.65	0.021	259	4.52	0.035	89	3.17	0.014	192	4.35	0.031	213	4.73	0.027
I Distribution - Wildlife	823	2.16	0.026	881	5.19	0.047	659	3.31	0.040	763	2.47	0.034	763	2.82	0.029
J Distribution - Unknown	1,065	5.51	0.057	1,017	5.41	0.075	811	6.76	0.072	829	7.63	0.090	902	7.89	0.095
K Distribution - Other	140	0.86	0.008	218	1.46	0.025	144	1.33	0.046	151	3.37	0.060	222	3.17	0.031
Grand Total	10,682	132.44	1.191	10,483	138.78	1.036	7,838	125.38	1.143	8,597	123.16	1.327	9,321	118.72	1.322

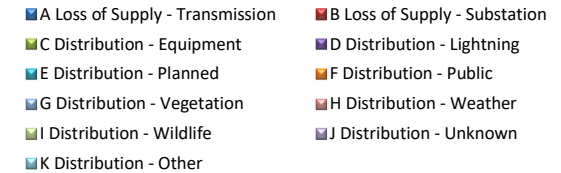
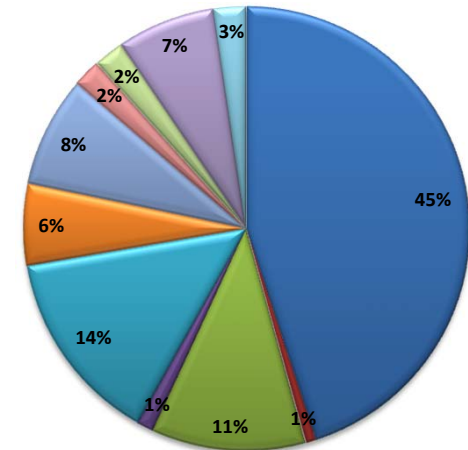
2018 Cause Analysis - Incident Count



2018 Cause Analysis - SAIDI



2018 Cause Analysis - SAIFI



Oregon Five-Year Cause by Reliability Region (excluding major events)

Reliability Region	OAR Cause	2014		2015		2016		2017		2018	
		SAIDI	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI
Central OR	A Loss of Supply - Transmission	4.91	0.557	2.25	0.046	0.56	0.027	-	-	5.40	0.344
	B Loss of Supply - Substation	5.38	0.130	-	-	-	-	1.58	0.013	-	-
	C Distribution - Equipment	29.98	0.197	31.30	0.193	26.37	0.130	17.70	0.098	19.05	0.102
	D Distribution - Lightning	0.62	0.004	0.05	0.002	0.17	0.002	0.17	0.001	0.46	0.002
	E Distribution - Planned	13.67	0.154	25.09	0.353	3.65	0.066	2.80	0.020	3.66	0.055
	F Distribution - Public	9.13	0.045	4.83	0.025	5.02	0.030	8.40	0.080	2.94	0.050
	G Distribution - Vegetation	3.18	0.034	3.79	0.032	5.38	0.044	12.62	0.113	0.85	0.008
	H Distribution - Weather	0.73	0.002	7.73	0.066	0.24	0.002	2.62	0.009	3.04	0.019
	I Distribution - Wildlife	1.11	0.012	0.68	0.006	1.51	0.026	2.07	0.020	2.02	0.016
	J Distribution - Unknown	2.62	0.018	2.49	0.035	1.73	0.066	5.76	0.052	3.47	0.043
	K Distribution - Other	0.09	0.001	1.69	0.009	1.01	0.008	0.73	0.017	0.48	0.001
	Grand Total	71.43	1.155	79.92	0.768	45.64	0.400	54.44	0.424	41.37	0.640
CoastPlus OR	A Loss of Supply - Transmission	9.84	0.341	0.00	0.000	15.79	0.353	25.83	0.791	18.94	0.486
	B Loss of Supply - Substation	4.06	0.011	-	-	3.15	0.035	3.16	0.035	-	-
	C Distribution - Equipment	29.08	0.177	22.98	0.167	22.82	0.142	17.51	0.131	17.29	0.139
	D Distribution - Lightning	0.01	0.000	0.04	0.000	0.03	0.000	0.17	0.001	0.18	0.001
	E Distribution - Planned	27.50	0.208	45.79	0.285	26.82	0.222	18.85	0.174	49.66	0.227
	F Distribution - Public	16.40	0.122	17.06	0.165	21.70	0.131	9.70	0.066	8.66	0.040
	G Distribution - Vegetation	31.28	0.225	21.10	0.130	21.38	0.168	30.48	0.228	17.82	0.127
	H Distribution - Weather	4.51	0.027	3.96	0.032	0.34	0.002	5.56	0.038	5.13	0.027
	I Distribution - Wildlife	0.84	0.011	1.14	0.010	2.68	0.041	1.83	0.020	2.05	0.021
	J Distribution - Unknown	1.88	0.015	3.04	0.041	1.98	0.022	4.82	0.050	4.67	0.048
	K Distribution - Other	0.09	0.002	0.29	0.022	0.72	0.031	5.01	0.075	6.94	0.054
	Grand Total	125.50	1.138	115.41	0.852	117.42	1.147	122.92	1.609	131.34	1.169
Northeast OR	A Loss of Supply - Transmission	24.67	0.439	9.05	0.075	1.82	0.034	19.39	0.490	33.64	0.870
	B Loss of Supply - Substation	5.00	0.033	0.51	0.007	7.40	0.019	2.91	0.011	2.75	0.056
	C Distribution - Equipment	22.42	0.165	32.46	0.181	17.24	0.101	31.72	0.169	29.30	0.150
	D Distribution - Lightning	2.01	0.010	0.36	0.003	0.43	0.006	1.48	0.008	1.10	0.005
	E Distribution - Planned	16.50	0.174	8.17	0.163	11.22	0.084	6.26	0.093	28.10	0.384
	F Distribution - Public	9.37	0.062	21.06	0.151	11.57	0.082	9.78	0.049	24.29	0.129
	G Distribution - Vegetation	10.84	0.145	23.83	0.247	18.85	0.154	5.32	0.028	6.60	0.027
	H Distribution - Weather	6.86	0.035	3.51	0.024	3.30	0.058	2.08	0.028	1.52	0.009
	I Distribution - Wildlife	2.37	0.038	8.85	0.092	12.28	0.097	5.72	0.037	2.37	0.024
	J Distribution - Unknown	6.22	0.065	9.61	0.093	5.30	0.038	7.93	0.110	7.19	0.060
	K Distribution - Other	4.60	0.044	4.39	0.019	0.01	0.000	3.44	0.058	12.09	0.074
	Grand Total	110.86	1.210	121.80	1.055	89.42	0.674	96.04	1.082	148.97	1.788

Oregon Five-Year Cause by Reliability Region (excluding major events)

Reliability Region	OAR Cause	2014		2015		2016		2017		2018	
		SAIDI	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI	SAIDI	SAIFI
Southern OR	A Loss of Supply - Transmission	19.35	0.444	18.93	0.146	9.22	0.247	19.52	0.349	24.89	0.938
	B Loss of Supply - Substation	12.66	0.035	22.18	0.078	10.42	0.056	4.44	0.027	3.22	0.020
	C Distribution - Equipment	26.12	0.167	24.26	0.145	25.31	0.145	24.32	0.151	21.36	0.140
	D Distribution - Lightning	0.51	0.003	1.64	0.009	0.39	0.001	2.86	0.020	6.90	0.040
	E Distribution - Planned	15.63	0.125	27.79	0.157	30.91	0.243	15.23	0.150	12.74	0.112
	F Distribution - Public	13.63	0.059	11.62	0.065	18.59	0.117	17.03	0.095	11.26	0.070
	G Distribution - Vegetation	33.52	0.177	22.05	0.095	22.65	0.105	18.91	0.125	18.28	0.107
	H Distribution - Weather	1.90	0.010	2.36	0.012	7.17	0.025	4.22	0.036	4.56	0.032
	I Distribution - Wildlife	3.34	0.037	9.80	0.081	3.42	0.035	1.64	0.025	3.58	0.037
	J Distribution - Unknown	8.52	0.093	7.47	0.097	9.26	0.078	6.17	0.059	7.90	0.086
	K Distribution - Other	0.41	0.003	1.17	0.008	1.93	0.038	2.47	0.032	1.80	0.024
Grand Total		135.62	1.152	149.27	0.894	139.25	1.092	116.80	1.070	116.49	1.606
WImVly OR	A Loss of Supply - Transmission	5.83	0.164	9.50	0.454	42.34	0.743	39.86	0.892	4.29	0.211
	B Loss of Supply - Substation	4.87	0.063	2.64	0.048	16.84	0.113	2.95	0.017	-	-
	C Distribution - Equipment	40.54	0.231	34.28	0.207	34.47	0.220	31.41	0.194	20.84	0.205
	D Distribution - Lightning	5.59	0.016	2.15	0.011	0.03	0.000	0.69	0.002	0.69	0.003
	E Distribution - Planned	26.37	0.239	36.01	0.243	27.14	0.274	19.23	0.206	38.02	0.328
	F Distribution - Public	27.25	0.175	37.28	0.200	14.16	0.054	39.08	0.166	40.52	0.152
	G Distribution - Vegetation	51.00	0.301	48.66	0.253	16.41	0.109	24.13	0.168	23.04	0.162
	H Distribution - Weather	7.01	0.042	7.30	0.064	1.23	0.006	4.67	0.026	6.35	0.026
	I Distribution - Wildlife	2.21	0.032	3.85	0.046	3.24	0.045	4.43	0.080	3.01	0.033
	J Distribution - Unknown	6.15	0.066	5.57	0.100	11.78	0.136	15.05	0.218	15.02	0.210
	K Distribution - Other	2.35	0.022	2.72	0.072	1.49	0.113	4.69	0.123	0.95	0.026
Grand Total		179.17	1.350	189.96	1.697	169.12	1.814	186.17	2.092	152.72	1.357

Oregon 2018 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	2,375
Central OR	BEND/REDMOND	BEND	5D11	GLEN VISTA	12.5	1,172
Central OR	BEND/REDMOND	BEND	5D12	DIVISION ST.	12.5	215
Central OR	BEND/REDMOND	BEND	5D196	MALLARD	12.5	1,397
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	1,740
Central OR	BEND/REDMOND	BOND STREET	5D413	OLD MILL.	12.5	389
Central OR	BEND/REDMOND	BOND STREET	5D418	BLAKELY	12.5	1,233
Central OR	BEND/REDMOND	CHINA HAT	5D140	LAVA (CHINA HAT)	12.5	2,290
Central OR	BEND/REDMOND	CHINA HAT	5D142	HIGH DESERT	12.5	1,711
Central OR	BEND/REDMOND	CHINA HAT	5D144	D.R.W.	12.5	2,414
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D30	ARROWHEAD	12.5	1,200
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D35	WICKIUP	12.5	1,023
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D38	TOMAHAWK	12.5	1,432
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D94	TEEPEE	12.5	3,615
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D96	OBSIDIAN	12.5	902
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	1,770
Central OR	BEND/REDMOND	CROOKED RIVER RANCH	4D30	CROOKED R.R.	20.8	780
Central OR	BEND/REDMOND	DESCHUTES	5D184	PRONGHORN	12.5	1,100
Central OR	BEND/REDMOND	DESCHUTES	5D2	DESCHUTES S	12.5	989
Central OR	BEND/REDMOND	HUNTERS CIRCLE	5D192	Mackinaw	12.5	661
Central OR	BEND/REDMOND	MIDPOINT	CO01-1	MIDPOINT-HEMMINGWAY-500KV	500	0
Central OR	BEND/REDMOND	OVERPASS	5D104	AWBREY	12.5	1,023
Central OR	BEND/REDMOND	OVERPASS	5D106	NEZ PERCE	12.5	2,626
Central OR	BEND/REDMOND	OVERPASS	5D120	CHINOOK	12.5	1,393
Central OR	BEND/REDMOND	OVERPASS	5D128	PAIUTE	12.5	2,161
Central OR	BEND/REDMOND	OVERPASS	5D155	APACHE	12.5	1,925
Central OR	BEND/REDMOND	PILOT BUTTE	5D261	KLONDIKE	12.5	3,127
Central OR	BEND/REDMOND	PILOT BUTTE	5D263	DRAKE FEEDER	12.5	2,465
Central OR	BEND/REDMOND	PILOT BUTTE	5D265	DOBBIN	12.5	43
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	1
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	758
Central OR	BEND/REDMOND	REDMOND	5D22	INDUSTRIAL	12.5	1,404
Central OR	BEND/REDMOND	REDMOND	5D223	TETHEROW	12.5	824
Central OR	BEND/REDMOND	REDMOND	5D226	CLINE FALLS	12.5	1,470
Central OR	BEND/REDMOND	REDMOND	5D227	WINDSOR	12.5	2,896
Central OR	BEND/REDMOND	REDMOND	5D228	CITY	12.5	1,294
Central OR	BEND/REDMOND	REDMOND	5D229	JUNIPER	12.5	404
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 2018 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	2,708
Central OR	BEND/REDMOND	SHEVLIN PARK	5D241	BADGER (SHP)	12.5	3,022
Central OR	BEND/REDMOND	SHEVLIN PARK	5D243	Black Bear	12.5	1,507
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	1,721
Central OR	BEND/REDMOND	YEW AVENUE	5D323	FAIRWAY	12.5	382
Central OR	BEND/REDMOND	YEW AVENUE	5D325	EAGLE	12.5	2,482
Central OR	BEND/REDMOND	YEW AVENUE	CO18	TAP TO YEW AVE-115KV	115	1
Central OR	MADRAS	CHERRY LANE	5D295	7 PEAKS	12.5	147
Central OR	MADRAS	CHERRY LANE	CO05-2	CHERRY LANE-WARM SPRINGS-69KV	69	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	1,777
Central OR	MADRAS	MADRAS	5D52	MADRAS RURAL	12.5	1,010
Central OR	MADRAS	MADRAS	5D53	AGATE	12.5	1,274
Central OR	MADRAS	MADRAS	5D57	QUARTZ	12.5	1,371
Central OR	MADRAS	MADRAS	5D61	MADRAS CITY	12.5	1,291
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	2
Central OR	MADRAS	POWELL BUTTE	5D1	POWELL BUTTE	12.5	612
Central OR	MADRAS	PRINEVILLE	5D126	RIMROCK	12.5	861
Central OR	MADRAS	PRINEVILLE	5D167	NORTHVILLE	12.5	2,629
Central OR	MADRAS	PRINEVILLE	5D25	OCHOCO	12.5	978
Central OR	MADRAS	PRINEVILLE	5D47	MC KAY (PRINEVILLE)	12.5	1,657
Central OR	MADRAS	PRINEVILLE	5D48	LAMONTA	12.5	620
Central OR	MADRAS	PRINEVILLE	5D50	PINE CONE	12.5	78
Central OR	MADRAS	PRINEVILLE	5D69	GRIMES FLAT	12.5	1,560
Central OR	MADRAS	WARM SPRINGS	4D68	WARM SPRINGS (OR)	20.8	1,028
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 BEACH TAP-NECANICUM(TPUD)-115KV	115	0
CoastPlus	CLATSOP (ASTORIA)	CANNON BEACH	5A10	HAYSTACK	12.5	1,597
CoastPlus	CLATSOP (ASTORIA)	CANNON BEACH	5A8	ECOLA	12.5	1,218
CoastPlus	CLATSOP (ASTORIA)	FERN HILL SUB	5A51	JOHN DAY	12.5	265
CoastPlus	CLATSOP (ASTORIA)	FERN HILL SUB	5A52	SCANDINAVIAN	12.5	379
CoastPlus	CLATSOP (ASTORIA)	KNAPPA SVENSEN	5A92	SVENSEN	12.5	707
CoastPlus	CLATSOP (ASTORIA)	KNAPPA SVENSEN	5A93	BRADWOOD	12.5	927
CoastPlus	CLATSOP (ASTORIA)	LEWIS & CLARK	CL03	LEWIS & CLARK-CLATSOP-BPA-115KV	115	0
CoastPlus	CLATSOP (ASTORIA)	SEASIDE	5A80	GROVE	12.5	2,403
CoastPlus	CLATSOP (ASTORIA)	SEASIDE	5A81	CENTRAL	12.5	1,629
CoastPlus	CLATSOP (ASTORIA)	SEASIDE	5A82	NECANICUM	12.5	1,185

Oregon 2018 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)	SEASIDE	5A83	GEARHART	12.5	3,246
CoastPlus	CLATSOP (ASTORIA)	SEASIDE	CL01-SSD	SEASIDE SUB	115	0
CoastPlus	CLATSOP (ASTORIA)	WARRENTON	5A15	CITY	12.5	1,949
CoastPlus	CLATSOP (ASTORIA)	WARRENTON	5A16	MILL (WARRENTON)	12.5	539
CoastPlus	CLATSOP (ASTORIA)	WARRENTON	5A20	SOUTH (WARRENTON)	12.5	1,604
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A202	PORT DOCK	12.5	1,206
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A204	MOO COW	12.5	1,142
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A205	FIFTH STREET	12.5	973
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A206	YOUNGS BAY #6	12.5	337
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A210	YOUNGS BAY #10	12.5	942
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A211	OLNEY	12.5	1,048
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A213	INDUSTRIAL	12.5	1,360
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	751
CoastPlus	COOS BAY/COQUILLE	COOS RIVER	4C106	COOS RIVER	20.8	1,363
CoastPlus	COOS BAY/COQUILLE	COOS RIVER	CB02-COO	COOS RIVER SUB	115	0
CoastPlus	COOS BAY/COQUILLE	COQUILLE	4C41	HENRY STREET	20.8	1,680
CoastPlus	COOS BAY/COQUILLE	COQUILLE	4C42	TERRES HGHTS	20.8	1,557
CoastPlus	COOS BAY/COQUILLE	COQUILLE	4C43	INDUSTRIAL	20.8	153
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 NEW	4C108	EMPIRE	20.8	1,729
CoastPlus	COOS BAY/COQUILLE	EMPIRE NEW	4C89	SCOTT	20.8	1,422
CoastPlus	COOS BAY/COQUILLE	EMPIRE NEW	4C90	CHARLESTON	20.8	2,108
CoastPlus	COOS BAY/COQUILLE	EMPIRE NEW	CB02-EMP	EMPIRE SUB	115	0
CoastPlus	COOS BAY/COQUILLE	EMPIRE NEW	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	31
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C48	CITY CENTER	20.8	1,521
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C49	EASTSIDE	20.8	772
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C5	GEORGIA-PAC	20.8	92
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C50	BUNKERHILL	20.8	1,834
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C97	ENGLEWOOD	20.8	1,383
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
CoastPlus	COOS BAY/COQUILLE	MYRTLE POINT	4C37	MAPLE STREET	20.8	2,088
CoastPlus	COOS BAY/COQUILLE	SOUTH DUNES	5C9	DOUGLAS CHIP	12.5	2
CoastPlus	COOS BAY/COQUILLE	STATE STREET	4C112	WOODLAND	20.8	1,863
CoastPlus	COOS BAY/COQUILLE	STATE STREET	4C66	BAYSHORE	20.8	1,714
CoastPlus	COOS BAY/COQUILLE	STATE STREET	4C67	INDUSTRIAL	20.8	2,216

Oregon 2018 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	STATE STREET	4C86	BANGOR	20.8	1,793
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	WW13-1	DEMOSS(BPA)-GORDON HOLLOW-69KV	69	0
CoastPlus	HOOD RIVER	HOOD RIVER	5K37	RESIDENTIAL	12.5	2,098
CoastPlus	HOOD RIVER	HOOD RIVER	5K43	BELMONT	12.5	1,151
CoastPlus	HOOD RIVER	HOOD RIVER	5K44	NORTH (HOOD RIVER)	12.5	1,784
CoastPlus	HOOD RIVER	HOOD RIVER	5K70	EASTSIDE	7.2	1,043
CoastPlus	HOOD RIVER	HOOD RIVER	5K74	SOUTH (HOOD RIVER)	12.5	1,638
CoastPlus	HOOD RIVER	KENWOOD	5K50	OAKGROVE	12.5	715
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	267
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	1,868
CoastPlus	LINCOLN CITY	DEVILS LAKE	4A312	OCEAN	20.8	2,977
CoastPlus	LINCOLN CITY	DEVILS LAKE	4A316	LAKE (DEVILS LAKE)	20.8	4,523
CoastPlus	LINCOLN CITY	DEVILS LAKE	4A338	SIUSLAW	20.8	652
CoastPlus	LINCOLN CITY	DEVILS LAKE	LC01-DVK	DEVILS LAKE SUB	115	0
CoastPlus	LINCOLN CITY	GLENEDEN	7A364	GLENEDEN	4.1	707
CoastPlus	LINCOLN CITY	GLENEDEN	7A366	SALISHAN	4.1	357
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	715
CoastPlus	PORTLAND	ALBINA	5P111	ALBINA 11C01-UG	11.7	687
CoastPlus	PORTLAND	ALBINA	5P150	ALBINA 11C15	11.7	0
CoastPlus	PORTLAND	ALBINA	5P194	11C24-UG	11.7	226
CoastPlus	PORTLAND	ALBINA	5P196	11C16-UG	11.7	547
CoastPlus	PORTLAND	ALBINA	5P200	11C20-UG	11.7	459
CoastPlus	PORTLAND	ALBINA	5P66	11C25	11.7	0
CoastPlus	PORTLAND	ALBINA	5P91	11C11-UG	11.7	321
CoastPlus	PORTLAND	ALBINA	5P92	11C12-UG	11.7	88
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	182
CoastPlus	PORTLAND	ALDERWOOD 115/12.5	5P604	ALDERWOOD #3	12.5	183
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
CoastPlus	PORTLAND	COLUMBIA (OR)	5P266	COLUMBIA #2	12.5	2,581
CoastPlus	PORTLAND	COLUMBIA (OR)	5P268	COLUMBIA #1	12.5	344
CoastPlus	PORTLAND	COLUMBIA (OR)	5P474	COLUMBIA #6	12.5	546
CoastPlus	PORTLAND	COLUMBIA (OR)	5P476	COLUMBIA #3	12.5	832
CoastPlus	PORTLAND	COLUMBIA (OR)	5P478	COLUMBIA #4	12.5	830
CoastPlus	PORTLAND	COLUMBIA (OR)	5P480	COLUMBIA #5	12.5	21
CoastPlus	PORTLAND	COLUMBIA (OR)	P23	COLUMBIA-KNOTT-57KV (OR)	57	0

Oregon 2018 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)	P25	COLUMBIA-PARK ROSE-57KV	57	0
CoastPlus	PORTLAND	CULLY	5P288	CULLY #3-UG	12.5	814
CoastPlus	PORTLAND	CULLY	5P290	CULLY #2	12.5	2,384
CoastPlus	PORTLAND	CULLY	5P292	CULLY #1	12.5	2,910
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	203
CoastPlus	PORTLAND	HOLLADAY (OR)	5P146	HOLLADAY #2-UG	11.7	343
CoastPlus	PORTLAND	HOLLADAY (OR)	5P147	HOLLADAY #3-UG	11.7	165
CoastPlus	PORTLAND	HOLLADAY (OR)	5P156	HOLLADAY #4-UG	11.7	549
CoastPlus	PORTLAND	HOLLADAY (OR)	5P157	HOLLADAY #5-UG	11.7	139
CoastPlus	PORTLAND	HOLLADAY (OR)	5P158	HOLLADAY #6	11.7	897
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	1,355
CoastPlus	PORTLAND	HOLLYWOOD	5P204	HOLLYWOOD #2	12.5	583
CoastPlus	PORTLAND	HOLLYWOOD	5P205	HOLLYWOOD #1	12.5	2,147
CoastPlus	PORTLAND	HOLLYWOOD	5P208	HOLLYWOOD #5	12.5	3,084
CoastPlus	PORTLAND	HOLLYWOOD	5P209	HOLLYWOOD #4	12.5	2,367
CoastPlus	PORTLAND	KILLINGSWORTH	5P123	KILLINGSWORTH #3	12.5	367
CoastPlus	PORTLAND	KILLINGSWORTH	5P217	KILLINGSWORTH #5	12.5	429
CoastPlus	PORTLAND	KILLINGSWORTH	5P41	KILLINGSWORTH #4	12.5	2,754
CoastPlus	PORTLAND	KILLINGSWORTH	5P88	KILLINGSWORTH #1-UG	12.5	15
CoastPlus	PORTLAND	KILLINGSWORTH	5P89	KILLINGSWORTH #2	12.5	3,148
CoastPlus	PORTLAND	KNOTT	5P231	KNOTT #1	12.5	3,513
CoastPlus	PORTLAND	KNOTT	5P232	KNOTT #2	12.5	1,472
CoastPlus	PORTLAND	KNOTT	5P233	KNOTT #3	12.5	2,287
CoastPlus	PORTLAND	KNOTT	5P366	11010	11.7	6
CoastPlus	PORTLAND	KNOTT	5P368	11022	11.7	175
CoastPlus	PORTLAND	KNOTT	5P372	11046	11.7	509
CoastPlus	PORTLAND	KNOTT	5P374	11020	11.7	973
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	136
CoastPlus	PORTLAND	LINCOLN (OR)	5P420	11D14	11.7	23
CoastPlus	PORTLAND	LINCOLN (OR)	5P422	11D06-UG	11.7	543
CoastPlus	PORTLAND	LINCOLN (OR)	5P424	11D03-UG	11.7	1
CoastPlus	PORTLAND	LINCOLN (OR)	5P426	11D04-UG	11.7	320
CoastPlus	PORTLAND	LINCOLN (OR)	5P430	11D05-UG	11.7	368
CoastPlus	PORTLAND	LINCOLN (OR)	5P432	11D02-UG	11.7	475
CoastPlus	PORTLAND	LINCOLN (OR)	5P434	11D12-UG	11.7	15
CoastPlus	PORTLAND	LINCOLN (OR)	5P436	11G18-UG	11.7	102
CoastPlus	PORTLAND	LINCOLN (OR)	5P438	11D08-UG	11.7	17
CoastPlus	PORTLAND	LINCOLN (OR)	5P456	11D09-UG	11.7	184
CoastPlus	PORTLAND	LINCOLN (OR)	5P458	11D07-UG	11.7	218
CoastPlus	PORTLAND	LINCOLN (OR)	5P460	11D01-UG	11.7	1
CoastPlus	PORTLAND	LINCOLN (OR)	5P462	11G13-UG	11.7	33
CoastPlus	PORTLAND	LINCOLN (OR)	5P464	11G16-UG	11.6	171
CoastPlus	PORTLAND	LINCOLN (OR)	P16	LINCOLN-URBAN-115KV	115	1

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Oregon Region	Op Area Name	Substation Name	Circuit Id	Circuit Name	kV	Circuit Customer Count
CoastPlus	PORTLAND	MALLORY	5P162	MALLORY #1	12.8	2,104
CoastPlus	PORTLAND	MALLORY	5P164	MALLORY #2	12.8	3,117
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	3,073
CoastPlus	PORTLAND	PARKROSE	5P250	PARKROSE#2	12.5	666
CoastPlus	PORTLAND	PARKROSE	5P252	PARKROSE#1	12.5	1,794
CoastPlus	PORTLAND	PARKROSE	5P717	PARKROSE 5	12.5	0
CoastPlus	PORTLAND	PARKROSE	5P728	PARKROSE 6	12.5	0
CoastPlus	PORTLAND	RUSSELLVILLE	5P274	RUSSELLVILLE #3	12.5	3,025
CoastPlus	PORTLAND	RUSSELLVILLE	5P276	RUSSELLVILLE #4	12.5	2,321
CoastPlus	PORTLAND	RUSSELLVILLE	5P278	RUSSELLVILLE #1	12.5	3,257
CoastPlus	PORTLAND	RUSSELLVILLE	5P280	RUSSELLVILLE #2	12.5	1,259
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	P19	TROUTDALE-ALBINA-69KV	69	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	1,834
CoastPlus	PORTLAND	VERNON	5P392	VERNON NO. 2	12.5	2,521
CoastPlus	PORTLAND	VERNON	5P393	VERNON #3	12.5	3,226
CoastPlus	PORTLAND	VERNON	5P394	VERNON # 4	12.5	3,265
CoastPlus	PORTLAND	VERNON	5P395	VERNON # 5	12.5	2,273
CoastPlus	PORTLAND	YALE	5P53	YALE VILLAGE	12.5	0
Northeast	ENTERPRISE	ENTERPRISE (OR)	4W8	CREIGHTON LN	20.8	1,464
Northeast	ENTERPRISE	ENTERPRISE (OR)	5W15	CITY	12.5	944
Northeast	ENTERPRISE	ENTERPRISE (OR)	5W26	RURAL (ENTERPRISE)	12.5	1,069
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	843
Northeast	ENTERPRISE	MINAM	5W18	MINAM	12.5	12
Northeast	ENTERPRISE	PALLETTE	4W14	PALLETTE NORTH	19.9	174
Northeast	ENTERPRISE	PALLETTE	4W15	PALLETTE SOUTH	19.9	53
Northeast	ENTERPRISE	WALLOWA	5W28	CITY	12.5	873
Northeast	HERMISTON	ARLINGTON	5K25	ARLINGTON	12.5	518
Northeast	HERMISTON	BLALOCK	5K40	BLALOCK	12.5	19
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	74
Northeast	HERMISTON	DALREED	4K36	SIMTAG	34.5	18
Northeast	HERMISTON	DALREED	4K46	BOEING	34.5	180
Northeast	HERMISTON	HERMISTON	5W602	RURAL (HERMISTON)	12.5	1,372

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Oregon Region	Op Area Name	Substation Name	Circuit Id	Circuit Name	kV	Circuit Customer Count
Northeast	HERMISTON	HERMISTON	WW14-1	HERMISTON-HINKLE-69KV	69	0
Northeast	HERMISTON	HINKLE	5W82	MEADOWS	12.5	376
Northeast	HERMISTON	MCNARY (BPA)	WW15	BPA MCNARY-HERMISTON-69KV	69	0
Northeast	HERMISTON	UMATILLA	5W658	UMATILLA	12.5	1,173
Northeast	HERMISTON	UMATILLA	5W660	MCNARY	12.5	908
Northeast	HERMISTON	UMATILLA	5W664	PORT FEEDER	12.5	59
Northeast	PENDLETON	ATHENA	5W703	CITY	12.5	848
Northeast	PENDLETON	ATHENA	5W705	HELIX	12.5	435
Northeast	PENDLETON	BUCKAROO	5W201	STATE HOSP.	12.5	378
Northeast	PENDLETON	BUCKAROO	5W202	REITH	12.5	1,548
Northeast	PENDLETON	BUCKAROO	5W203	MONTEE	12.5	1,671
Northeast	PENDLETON	HERMISTON	WW14	HERMISTON-PENDLETON-69KV	69	0
Northeast	PENDLETON	PENDLETON	5W401	WEST HILLS	12.5	1,702
Northeast	PENDLETON	PENDLETON	5W402	HARRIS HTS	12.5	2,072
Northeast	PENDLETON	PENDLETON	5W403	MISSION	12.5	1,060
Northeast	PENDLETON	PENDLETON	7W451	BUSINESS	4.1	251
Northeast	PENDLETON	PENDLETON	7W452	NORTHWEST	4.1	514
Northeast	PENDLETON	PENDLETON	7W453	SOUTHWEST (PENDELTON)	4.1	336
Northeast	PENDLETON	PENDLETON	7W454	EAST END	4.1	245
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	1,388
Northeast	PENDLETON	ROUNDUP (BPA)	WW11	BPA ROUNDUP-PILOT ROCK-69KV	69	0
Northeast	PENDLETON	WESTON NEW (OR)	5W40	WESTON CANNERY	12.5	16
Northeast	PENDLETON	WESTON NEW (OR)	5W7	SCOTTS FEEDER	12.5	450
Northeast	WALLA WALLA	UMAPINE	5W105	UMAPINE FEEDER	12.5	970
Northeast	WALLA WALLA	UMAPINE	5W106	FERNDALE	12.5	1,361
Southern OR	GRANTS PASS	AGNESS AVE	5R172	SPALDING MILL	12.5	884
Southern OR	GRANTS PASS	AGNESS AVE	5R173	JONES CREEK	12.5	879
Southern OR	GRANTS PASS	AGNESS AVE	5R322	ANTEATER	12.5	973
Southern OR	GRANTS PASS	APPLEGATE	5R267	MURPHY	12.5	1,044
Southern OR	GRANTS PASS	APPLEGATE	5R278	HIGHWAY	12.5	1,617
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	1,252
Southern OR	GRANTS PASS	BEACON	5R105	BEACON ST	12.5	847
Southern OR	GRANTS PASS	CAVE JUNCTION	5R52	FREE& EASY	12.5	2,365
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
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	1,125
Southern OR	GRANTS PASS	CAVEMAN	5R82	WASHINGTON	12.5	1,195
Southern OR	GRANTS PASS	CAVEMAN	5R98	MANZANITA	12.5	590
Southern OR	GRANTS PASS	CAVEMAN	5R99	CAVEMAN	12.5	1,200
Southern OR	GRANTS PASS	DOWELL	5R330	DOWELL CB 5R330	12.5	0
Southern OR	GRANTS PASS	DOWELL	5R331	DOVE	12.5	1,437

Oregon 2018 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	DOWELL	5R334	DUCK	12.5	2,542
Southern OR	GRANTS PASS	EASY VALLEY	5R123	G STREET	12.5	2,153
Southern OR	GRANTS PASS	EASY VALLEY	5R125	ROGUE	12.5	1,757
Southern OR	GRANTS PASS	EASY VALLEY	5R259	CHINOOK	12.5	1,305
Southern OR	GRANTS PASS	FIELDER CREEK	4R33	ELK FDR.	20.8	1,836
Southern OR	GRANTS PASS	FIELDER CREEK	4R34	BEAR FDR	20.8	869
Southern OR	GRANTS PASS	GLENDALE SUBSTATION	5R133	GLENDALE	12.5	1,910
Southern OR	GRANTS PASS	GLENDALE SUBSTATION	5R143	INDUSTRIAL	12.5	652
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	1,610
Southern OR	GRANTS PASS	JEROME PRAIRIE	5R63	WOOD RIVER	12.5	1,585
Southern OR	GRANTS PASS	MERLIN	5R232	MERLIN-HUGO	12.5	2,073
Southern OR	GRANTS PASS	MERLIN	5R234	PARADISE	12.5	1,196
Southern OR	GRANTS PASS	MERLIN	5R248	PLEASANT VALLEY-MERLIN FEEDER	12.5	1,796
Southern OR	GRANTS PASS	MERLIN	5R251	BADGER	12.5	924
Southern OR	GRANTS PASS	NEW O'BRIEN	5R106	O'BRIEN	12.5	434
Southern OR	GRANTS PASS	PARK STREET (OR)	5R114	FRUITDALE	12.5	2,174
Southern OR	GRANTS PASS	PARK STREET (OR)	5R115	ALLEN CREEK	12.5	988
Southern OR	GRANTS PASS	PARK STREET (OR)	5R121	NEW HOPE	12.5	1,851
Southern OR	GRANTS PASS	PARK STREET (OR)	5R164	EXPRESS	12.5	319
Southern OR	GRANTS PASS	PARK STREET (OR)	5R169	PORTOLA	12.5	1,384
Southern OR	GRANTS PASS	PROVOLT	5R67	NORTH-SOUTH	12.5	1,427
Southern OR	GRANTS PASS	ROGUE RIVER	5R77	SAVAGE/WIMMER	12.5	1,861
Southern OR	GRANTS PASS	ROGUE RIVER	5R78	ROCKY POINT (ROGUE RIVER)	12.5	1,056
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	1,209
Southern OR	KLAMATH FALLS	BEATTY	5L1	BEATTY	12.5	399
Southern OR	KLAMATH FALLS	BLY	5L14	TOWN (BLY)	12.5	432
Southern OR	KLAMATH FALLS	BOISE CASCADE	7L9	BOISE CASCAD	4.1	1

Oregon 2018 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	BONANZA (OR)	5L7	POE VALLEY	12.5	469
Southern OR	KLAMATH FALLS	BRYANT	5L2	GARY STREET	12.5	2,122
Southern OR	KLAMATH FALLS	BRYANT	5L3	WASHBURN	12.5	1,822
Southern OR	KLAMATH FALLS	BRYANT	5L4	SUMMERS LANE	12.5	1,959
Southern OR	KLAMATH FALLS	BRYANT	5L5	MOYINA HTS.	12.5	2,428
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	1,161
Southern OR	KLAMATH FALLS	CHILOQUIN	5L57	CRATER LAKE	12	1,050
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 MARKET	5L37	WILLIAMSON	12.5	553
Southern OR	KLAMATH FALLS	DAIRY	5L42	SWAN LAKE	12.5	280
Southern OR	KLAMATH FALLS	DAIRY	5L43	DAIRY	12.5	473
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	1,695
Southern OR	KLAMATH FALLS	HAMAKER	5L56	MOUNTAIN	12.5	161
Southern OR	KLAMATH FALLS	HENLEY	5L58	HENLEY	12.5	235
Southern OR	KLAMATH FALLS	HENLEY	5L59	WEST	12.5	536
Southern OR	KLAMATH FALLS	HORNET	5L44	HOMEDALE	12.5	2,751
Southern OR	KLAMATH FALLS	HORNET	5L45	CRYSTAL SPR	12.5	1,476
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
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

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Oregon Region	Op Area Name	Substation Name	Circuit Id	Circuit Name	kV	Circuit Customer Count
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	K13-2	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	200
Southern OR	KLAMATH FALLS	LAKEPORT	5L54	SOUTH (LAKEPORT)	12.5	2,404
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	981
Southern OR	KLAMATH FALLS	MERRILL (OR)	5L27	NORTH (MERRILL)	12.5	555
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	847
Southern OR	KLAMATH FALLS	ROSS AVENUE	5L46	ELDORADO	12.5	1,386
Southern OR	KLAMATH FALLS	ROSS AVENUE	5L47	FORT ROAD	12.5	0
Southern OR	KLAMATH FALLS	ROSS AVENUE	5L48	BROAD ST.	12.5	1,193
Southern OR	KLAMATH FALLS	RUNNING Y	4L50	ROCKY POINT FEEDER (RUNNING Y)	20.8	1,444
Southern OR	KLAMATH FALLS	SHASTA WAY	7L25	SHASTA WAY	4.1	434
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	504
Southern OR	KLAMATH FALLS	SUMMER LAKE (BPA)	CO01-2	MALIN-SUMMER LAKE-500KV	500	0
Southern OR	KLAMATH FALLS	TEXUM	5L112	ANDERSON	12.5	1,197
Southern OR	KLAMATH FALLS	TEXUM	5L113	TOWER	12.5	284
Southern OR	KLAMATH FALLS	TEXUM	5L116	ALTAMONT	12.5	1,483
Southern OR	KLAMATH FALLS	TURKEY HILL	5L20	MALIN CITY	12.5	827
Southern OR	KLAMATH FALLS	TURKEY HILL	5L23	RURAL (TURKEY HILL)	12.5	321
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L12	ORINDALE	12.5	777
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L15	CALIFORNIA	12.5	1,356
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L16	MAIN ST (WEST SIDE HE PLANT)	12.5	111
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L17	PINE ST (WEST SIDE HE PLANT)	12.5	502
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L18	RIVERSIDE (WEST SIDE HE PLANT)	12.5	585
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L19	LAKESHORE	12.5	301
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	8L10	CITY WTR PMP	2.4	1
Southern OR	LAKEVIEW	MILE-HI	5L104	INDUSTRIAL	12.5	719
Southern OR	LAKEVIEW	MILE-HI	5L105	BUSINESS	12.5	1,718
Southern OR	LAKEVIEW	MILE-HI	K03	ALTURAS-MILE HI-115KV	115	2
Southern OR	LAKEVIEW	MILE-HI	K03-3	DAVIS CREEK-MILE HI-115KV	115	0
Southern OR	LAKEVIEW	MILE-HI	K15-1	MILE HI-SVEC-69KV	69	0

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Oregon Region	Op Area Name	Substation Name	Circuit Id	Circuit Name	kV	Circuit Customer Count
Southern OR	MEDFORD	ASHLAND (MTN.AVE, PUD)	5R241	CITY	12.5	13
Southern OR	MEDFORD	ASHLAND (MTN.AVE, PUD)	5R245	VALLEY VIEW	12.5	976
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	1,722
Southern OR	MEDFORD	BEALL LANE	5R364	BOBCAT	12.5	2,136
Southern OR	MEDFORD	BELKNAP	5R1	KOGAP	12.5	1,003
Southern OR	MEDFORD	BELKNAP	5R2	RIVERSIDE (BELKNAP)	12.5	663
Southern OR	MEDFORD	BELKNAP	5R3	BARNETT	12.5	1,627
Southern OR	MEDFORD	BELKNAP	5R47	STEWART	12.5	2,107
Southern OR	MEDFORD	BROOKHURST	5R118	SPRINGBROOK	12.5	1,840
Southern OR	MEDFORD	BROOKHURST	5R135	ROBERTS (BROOKHURST)	12.5	1,633
Southern OR	MEDFORD	BROOKHURST	5R32	ROXY	12.5	1,757
Southern OR	MEDFORD	BROOKHURST	5R33	CRATER LAKE	12.5	1,734
Southern OR	MEDFORD	BROOKHURST	5R75	SUNRISE (BROOKHURST)	12.5	1,246
Southern OR	MEDFORD	CAMPBELL	5R216	VOORHIES	12.5	844
Southern OR	MEDFORD	CAMPBELL	5R218	PHOENIX	12.5	1,511
Southern OR	MEDFORD	CAMPBELL	5R227	FERN VALLEY	12.5	1,324
Southern OR	MEDFORD	CAMPBELL	5R312	COBRA	12.5	1,432
Southern OR	MEDFORD	DODGE BRIDGE	4R1	SALMON	20.8	1,619
Southern OR	MEDFORD	DODGE BRIDGE	4R35	MEADOWS ROAD	20.8	1,370
Southern OR	MEDFORD	FOOTHILLS	5R252	HILLCREST ROAD	12.5	0
Southern OR	MEDFORD	FOOTHILLS	5R38	HOSPITAL	12.5	767
Southern OR	MEDFORD	FOOTHILLS	5R39	PIERCE ROAD	12.5	1,156
Southern OR	MEDFORD	FRALEY	5R87	TABLE ROCK	12.5	512
Southern OR	MEDFORD	FRALEY	5R88	DODGE BRIDGE	12.5	365
Southern OR	MEDFORD	GOLD HILL	5R103	GOLD HILL	12.5	2,004
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	2,706
Southern OR	MEDFORD	GRIFFIN CREEK	5R206	GRIFFIN CREEK	12.5	1,742
Southern OR	MEDFORD	HUMBUG CREEK	5R287	HUMMINGBIRD	12.5	686
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

Oregon 2018 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	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-STEVENSON ROAD-115KV	115	0
Southern OR	MEDFORD	LONE PINE	R27-2B	EAGLE POINT-STEVENSON 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	SR280	BOISE CASCADE	12.5	1
Southern OR	MEDFORD	MEDFORD	SR21	MELROSE	12.5	1576
Southern OR	MEDFORD	MEDFORD	SR23	SPRING ST.	12.5	1621
Southern OR	MEDFORD	MEDFORD	SR250	BIG Y	12.5	1889
Southern OR	MEDFORD	MEDFORD	SR253	APPLE	12.5	1107
Southern OR	MEDFORD	MEDFORD	SR257	PEAR	12.5	651
Southern OR	MEDFORD	MEDFORD	SR659	MCLEAN	12.5	675
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	NEW JACKSONVILLE SUB-DIST	SR284	STAGE RD	12.5	2064
Southern OR	MEDFORD	NEW JACKSONVILLE SUB-DIST	SR285	JACKSONVILLE HWY	12.5	2159
Southern OR	MEDFORD	OAK KNOLL	SR55	SISKIYOU	12.5	1489
Southern OR	MEDFORD	OAK KNOLL	SR56	HIGHWAY 99	12.5	118
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 HE PLANT	SR290	P-3 FOREBAY	12.5	1
Southern OR	MEDFORD	PROSPECT CENTRAL	SR40	NEW CASCADE	12.5	336
Southern OR	MEDFORD	PROSPECT CENTRAL	8R5	COTTAGES	2.4	0
Southern OR	MEDFORD	PROSPECT CENTRAL	8R8	DAM & FOREBAY	2.4	0
Southern OR	MEDFORD	PROSPECT CENTRAL	R14	PROSPECT CNTRL-PROSPECT #3-69KV	69	1
Southern OR	MEDFORD	PROSPECT CENTRAL	R14-1	PROSPECT CENTRAL-RED BLANKET-69KV	69	0
Southern OR	MEDFORD	PROSPECT CENTRAL	R14-2	PROSPECT 3-RED BLANKET-69KV	69	1
Southern OR	MEDFORD	PROSPECT CENTRAL	R15	PROSPECT-PROSPECT CNTRL #1-69KV	69	0
Southern OR	MEDFORD	PROSPECT CENTRAL	R16	PROSPECT-PROSPECT CNTRL #2-69KV	69	0
Southern OR	MEDFORD	PROSPECT CENTRAL	R17	PROSPECT-PROSPECT CNTRL #2-69KV	69	0
Southern OR	MEDFORD	RED BLANKET	7R5	PROSPECT	4.1	392
Southern OR	MEDFORD	ROXY ANN	SR350	St. Bernard	12.5	1256
Southern OR	MEDFORD	ROXY ANN	SR352	ROXYANN2	12.5	0
Southern OR	MEDFORD	ROXY ANN	SR354	RACCOON	12.5	1518
Southern OR	MEDFORD	ROXY ANN	SR356	ROXY ANN CB5R356	12.5	0
Southern OR	MEDFORD	RUCH	SR68	APPLEGATE	12.5	920
Southern OR	MEDFORD	RUCH	SR69	RUCH	12.5	544
Southern OR	MEDFORD	SAGE ROAD (OR)	SR209	TIMBER PROD	12.5	1
Southern OR	MEDFORD	SAGE ROAD (OR)	SR211	COLUMBUS	12.5	1935
Southern OR	MEDFORD	SAGE ROAD (OR)	SR226	BOISE	12.5	913
Southern OR	MEDFORD	SAGE ROAD (OR)	SR27	MCANDREWS	12.5	113

Oregon 2018 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	SAGE ROAD (OR)	5R28	ROSS	12.5	1962
Southern OR	MEDFORD	SAGE ROAD (OR)	5R29	EDWARDS	12.5	752
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	1996
Southern OR	MEDFORD	SCENIC	5R180	HEAD RD	12.5	1180
Southern OR	MEDFORD	SCENIC	5R182	TAYLOR RD	12.5	1597
Southern OR	MEDFORD	SCENIC	5R184	CHENEY	12.5	1436
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	2237
Southern OR	MEDFORD	STEVENS ROAD	4R17	Stingray	20.8	2554
Southern OR	MEDFORD	STEVENS ROAD	4R41	ANTELOPE	20.8	1134
Southern OR	MEDFORD	TAKELMA	4R9	LOST CK. (TAKELMA)	20.8	2642
Southern OR	MEDFORD	TALENT	5R237	TALENT	12.5	2461
Southern OR	MEDFORD	TALENT	5R238	ANDERSON CRK	12.5	1714
Southern OR	MEDFORD	TALENT	5R239	HARTLEY ROAD	12.5	1553
Southern OR	MEDFORD	TALENT	5R240	NORTH HWY	12.5	1176
Southern OR	MEDFORD	TOLO	5R90	TBL ROCK LBR	12.5	161
Southern OR	MEDFORD	TOLO	5R91	SAMS VALLEY	12.5	647
Southern OR	MEDFORD	TOLO	5R92	KIRTLAND RD	12.5	199
Southern OR	MEDFORD	VILAS ROAD	5R110	MCLAUGHLIN	12.5	948
Southern OR	MEDFORD	VILAS ROAD	5R146	KING CENTER	12.5	1408
Southern OR	MEDFORD	VILAS ROAD	5R305	WEBFOOT	12.5	793
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	1477
Southern OR	MEDFORD	WHITE CITY	5R12	INDUSTRIAL	12.5	33
Southern OR	MEDFORD	WHITE CITY	5R13	FIR-PLY	12.5	22
Southern OR	MEDFORD	WHITE CITY	5R14	AGATE	12.5	108
Southern OR	MEDFORD	WHITE CITY	5R19	3M	12.5	108
Southern OR	MEDFORD	WHITE CITY	5R66	4 CORNERS	12.5	1749
Southern OR	MEDFORD	WHITE CITY	5R76	AVE C	12.5	78
Southern OR	ROSEBURG/MYRTLECREEK	ALVEY (BPA)	BB03	ALVEY-DIXONVILLE-500KV	500	0
Southern OR	ROSEBURG/MYRTLECREEK	ALVEY (BPA)	WI03	ALVEY-DIXONVILLE-230KV	230	0
Southern OR	ROSEBURG/MYRTLECREEK	CANYONVILLE	5U46	CANYONVILLE	12.5	392
Southern OR	ROSEBURG/MYRTLECREEK	CANYONVILLE	5U52	BEALS CREEK FEEDER	12.5	891
Southern OR	ROSEBURG/MYRTLECREEK	CARNES	5U44	RND PRARIE	12.5	417
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	2
Southern OR	ROSEBURG/MYRTLECREEK	CLEARWATER #2 SUB	6U33	CLEARWATER	7.2	97
Southern OR	ROSEBURG/MYRTLECREEK	CLOAKE	4U37	RUSA	20.8	1
Southern OR	ROSEBURG/MYRTLECREEK	CLOAKE	4U38	HARVARD	20.8	2,943
Southern OR	ROSEBURG/MYRTLECREEK	CLOAKE	4U39	GOECK	20.8	1,254
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

Oregon 2018 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	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	812
Southern OR	ROSEBURG/MYRTLECREEK	GARDEN VALLEY	4U81	VALLEY	20.8	1,365
Southern OR	ROSEBURG/MYRTLECREEK	GLIDE SUBSTATION	5U83	IDLEYLD	12.5	994
Southern OR	ROSEBURG/MYRTLECREEK	GLIDE SUBSTATION	5U84	LITTLE RIVER	12.5	1,361
Southern OR	ROSEBURG/MYRTLECREEK	GREEN SUBSTATION	5U32	SAFARI	12.5	2,128
Southern OR	ROSEBURG/MYRTLECREEK	GREEN SUBSTATION	5U33	SUNNYSLOPE	12.5	1,631
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	182
Southern OR	ROSEBURG/MYRTLECREEK	MYRTLE CREEK	5U76	SUPER Y	12.5	1,540
Southern OR	ROSEBURG/MYRTLECREEK	MYRTLE CREEK	5U77	BOOMER HILL	12.5	2,302
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	1,313
Southern OR	ROSEBURG/MYRTLECREEK	OAKLAND (OR)	5U12	STAGECOACH	12.5	556

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Oregon Region	Op Area Name	Substation Name	Circuit Id	Circuit Name	kV	Circuit Customer Count
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE	5U1	TRI CITY	12.5	1,001
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE	5U2	COW CREEK	12.5	1,554
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE	5U3	HANNA	12.5	280
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	2,497
Southern OR	ROSEBURG/MYRTLECREEK	ROSEBURG	4U22	DIXON	20.8	1,116
Southern OR	ROSEBURG/MYRTLECREEK	ROSEBURG	4U5	DOUGLAS	20.8	2,065
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	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	1,583
Southern OR	ROSEBURG/MYRTLECREEK	SOUTHGATE	4U31	BOOTH	20.8	1,574
Southern OR	ROSEBURG/MYRTLECREEK	STEAMBOAT	6U18	STEAMBOAT	7.2	22
Southern OR	ROSEBURG/MYRTLECREEK	SUTHERLIN	5U35	NON-PAREIL	12.5	1,307
Southern OR	ROSEBURG/MYRTLECREEK	SUTHERLIN	5U36	DEADY	12.5	1,334
Southern OR	ROSEBURG/MYRTLECREEK	SUTHERLIN	5U56	Industrial	12.5	486
Southern OR	ROSEBURG/MYRTLECREEK	TILLER	5U89	JACKSON CRK	12.5	309
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	1,642
Southern OR	ROSEBURG/MYRTLECREEK	WINCHESTER	5U15	NEWTON CREEK	12.5	1,737
Southern OR	ROSEBURG/MYRTLECREEK	WINCHESTER	5U17	FISHER	12.5	763
Southern OR	ROSEBURG/MYRTLECREEK	WINCHESTER	5U19	EVANS	12.5	761
Southern OR	ROSEBURG/MYRTLECREEK	WINCHESTER	U10-9	CLOAKE-WINCHESTER-69KV	69	0
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	1,461
Willamette Valley	ALBANY	BPA ALBANY	WI09	BPA ALBANY-HAZELWOOD-115KV	115	0
Willamette Valley	ALBANY	HAZELWOOD	4M335	WEST HIGH	20.8	1,475
Willamette Valley	ALBANY	HAZELWOOD	4M336	RIVERVIEW (HAZELWOOD)	20.8	1,232
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	724
Willamette Valley	ALBANY	JEFFERSON (OR)	4M125	MINT	20.8	2,484
Willamette Valley	ALBANY	MURDER CREEK	4M243	SCRAVEL HILL	20.8	3,601

Oregon 2018 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	ALBANY	MURDER CREEK	4M245	RURAL NW	20.8	2,140
Willamette Valley	ALBANY	MURDER CREEK	4M249	DURA-PACIFIC	20.8	8
Willamette Valley	ALBANY	MURDER CREEK	4M250	INDUSTRIAL	20.8	1,218
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	103
Willamette Valley	ALBANY	OREMET	4M296	ROGERSDALE	20.8	2,166
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	1,895
Willamette Valley	ALBANY	QUEEN AVE	4M258	HILL STREET	20.8	2,569
Willamette Valley	ALBANY	QUEEN AVE	4M261	WAVERLY	20.8	3,540
Willamette Valley	ALBANY	QUEEN AVE	4M262	GEARY STREET	20.8	2,744
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	1,801
Willamette Valley	ALBANY	VINE STREET	4M16	WATER STREET	20.8	4,078
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	2,693
Willamette Valley	CORVALLIS	BUCHANAN	4M133	PEORIA	20.8	2,452
Willamette Valley	CORVALLIS	BUCHANAN	4M134	N. NINTH ST.	20.8	2,581
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	235
Willamette Valley	CORVALLIS	DIXON	7M29	SECOND ST.	4.1	277
Willamette Valley	CORVALLIS	GRANT ST	4M265	HIGH SCHOOL	20.8	2,493
Willamette Valley	CORVALLIS	GRANT ST	4M266	CHINTIMINI	20.8	2,546
Willamette Valley	CORVALLIS	GRANT ST	4M268	KINGS ROAD	20.8	2,554
Willamette Valley	CORVALLIS	GRANT ST	4M269	29TH STREET	20.8	3,293
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	1,904
Willamette Valley	CORVALLIS	HILLVIEW	4M181	PHILOMATH	20.8	914
Willamette Valley	CORVALLIS	HILLVIEW	4M182	SUNSET	20.8	1,765
Willamette Valley	CORVALLIS	HILLVIEW	4M185	PLYMOUTH	20.8	1,988
Willamette Valley	CORVALLIS	MARYS RIVER	4M151	GREENBERRY	20.8	3,608

Oregon 2018 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	MARYS RIVER	4M152	AVERY	20.8	192
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	564
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	1,613
Willamette Valley	COTTAGE GROVE/J.CITY	HARRISBURG SUB	4M400	TERRITORIAL	20.8	1,842
Willamette Valley	COTTAGE GROVE/J.CITY	JUNCTION CITY	4M102	6TH STREET	20.8	1,157
Willamette Valley	COTTAGE GROVE/J.CITY	JUNCTION CITY	4M99	PRAIRIE ROAD	20.8	994
Willamette Valley	COTTAGE GROVE/J.CITY	JUNCTION CITY	WI121-1	WILKINS CORNER-VAUGHN TAP-69KV	69	0
Willamette Valley	COTTAGE GROVE/J.CITY	JUNCTION CITY	WI121-2	JUNCTION CITY-VAUGHN TAP-69KV	69	0
Willamette Valley	COTTAGE GROVE/J.CITY	LANCASTER	4M209	MONROE	20.8	1,089
Willamette Valley	COTTAGE GROVE/J.CITY	MARTIN CREEK (BPA)	WI12B	BPA MARTIN CREEK-VLG GREEN-115KV	115	2
Willamette Valley	COTTAGE GROVE/J.CITY	VILLAGE GREEN	4M84	NORTH SIDE	20.8	2,364
Willamette Valley	COTTAGE GROVE/J.CITY	VILLAGE GREEN	4M86	MADISON	20.8	1,595
Willamette Valley	DALLAS/INDEPENDENCE	DALLAS	4M100	RURAL (DALLAS)	20.8	4,699
Willamette Valley	DALLAS/INDEPENDENCE	DALLAS	4M201	INDUSTRIAL	20.8	27
Willamette Valley	DALLAS/INDEPENDENCE	DALLAS	4M202	ELLEDALE	20.8	2,906
Willamette Valley	DALLAS/INDEPENDENCE	DALLAS	4M238	DALLAS	20.8	2,281
Willamette Valley	DALLAS/INDEPENDENCE	INDEPENDENCE	4M22	RICKREAL	20.8	3,293
Willamette Valley	DALLAS/INDEPENDENCE	INDEPENDENCE	4M25	BUENA VISTA	20.8	1,983
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	CALAPOOIA	12.5	1,701
Willamette Valley	LEBANON	BROWNSVILLE	WI18-2	HALSEY-BROWNSVILLE-69KV	69	0
Willamette Valley	LEBANON	CALAPOOYA	4M850	SPALDING	20.8	1,091
Willamette Valley	LEBANON	CALAPOOYA	4M851	BEAR	20.8	31
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	1,514
Willamette Valley	LEBANON	CROWFOOT	4M206	US PLYWOOD (LEBANON)	20.8	1,872
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

Oregon 2018 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	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	2,543
Willamette Valley	LEBANON	LEBANON	4M62	RALSTON	20.8	2,002
Willamette Valley	LEBANON	LEBANON	4M63	TENNESSEE	20.8	1,792
Willamette Valley	LEBANON	LEBANON	4M79	CROWN Z	20.8	1,138
Willamette Valley	LEBANON	SWEET HOME	4M37	HOLLEY	20.8	2,007
Willamette Valley	LEBANON	SWEET HOME	4M38	NARROWS	20.8	970
Willamette Valley	LEBANON	SWEET HOME	4M93	AMES CREEK	20.8	1,694
Willamette Valley	LEBANON	SWEET HOME	4M94	FOSTER	20.8	2,377
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	725
Willamette Valley	STAYTON	LYONS	4M70	MEHAMA	20.8	2,133
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	1,566
Willamette Valley	STAYTON	SCIO	WI14-3	SCIO-LYONS-69KV	69	0
Willamette Valley	STAYTON	STAYTON	4M19	AUMSVILLE	20.8	3,185
Willamette Valley	STAYTON	STAYTON	4M353	WEST STAYTON	20.8	3,466
Willamette Valley	STAYTON	STAYTON	4M370	CASCADE	20.8	1,588
Willamette Valley	STAYTON	STAYTON	4M50	3RD STREET	20.8	914
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 2018 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	387	28,794	2,375	12.12	0.163
Central OR	BEND/REDMOND	BEND	5D11	GLEN VISTA	5	921	1,172	0.79	0.004
Central OR	BEND/REDMOND	BEND	5D196	MALLARD	26	1,426	1,397	1.02	0.019
Central OR	BEND/REDMOND	BOND STREET	5D411	BACHELOR	2,092	99,652	1,740	57.27	1.202
Central OR	BEND/REDMOND	BOND STREET	5D413	OLD MILL.	390	7,722	389	19.85	1.003
Central OR	BEND/REDMOND	BOND STREET	5D418	BLAKELY	1,262	28,307	1,233	22.96	1.024
Central OR	BEND/REDMOND	CHINA HAT	5D140	LAVA (CHINA HAT)	1,019	153,280	2,290	66.93	0.445
Central OR	BEND/REDMOND	CHINA HAT	5D142	HIGH DESERT	1,831	61,905	1,711	36.18	1.070
Central OR	BEND/REDMOND	CHINA HAT	5D144	D.R.W.	1,339	233,551	2,414	96.75	0.555
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D30	ARROWHEAD	257	23,140	1,200	19.28	0.214
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D35	WICKIUP	78	13,122	1,023	12.83	0.076
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D38	TOMAHAWK	62	12,453	1,432	8.70	0.043
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D94	TEEPEE	72	20,053	3,615	5.55	0.020
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D96	OBSIDIAN	218	29,893	902	33.14	0.242
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D98	HUCKLEBERRY	29	2,125	1,181	1.80	0.025
Central OR	BEND/REDMOND	CROOKED RIVER RANCH	4D131	CANYON	179	76,283	1,770	43.10	0.101
Central OR	BEND/REDMOND	CROOKED RIVER RANCH	4D30	CROOKED R.R.	75	10,529	780	13.50	0.096
Central OR	BEND/REDMOND	DESCHUTES	5D184	PRONGHORN	1,138	16,300	1,100	14.82	1.035
Central OR	BEND/REDMOND	DESCHUTES	5D2	DESCHUTES S	2,186	77,787	989	78.65	2.210
Central OR	BEND/REDMOND	HUNTERS CIRCLE	5D192	Mackinaw	695	9,093	661	13.76	1.051
Central OR	BEND/REDMOND	OVERPASS	5D104	AWBREY	3,967	77,254	1,023	75.52	3.878
Central OR	BEND/REDMOND	OVERPASS	5D106	NEZ PERCE	2,796	56,188	2,626	21.40	1.065
Central OR	BEND/REDMOND	OVERPASS	5D120	CHINOOK	2,159	67,845	1,393	48.70	1.550
Central OR	BEND/REDMOND	OVERPASS	5D128	PAIUTE	2,281	37,775	2,161	17.48	1.056
Central OR	BEND/REDMOND	OVERPASS	5D155	APACHE	842	13,241	1,925	6.88	0.437
Central OR	BEND/REDMOND	PILOT BUTTE	5D261	KLONDIKE	204	46,208	3,127	14.78	0.065
Central OR	BEND/REDMOND	PILOT BUTTE	5D263	DRAKE FEEDER	576	79,313	2,465	32.18	0.234
Central OR	BEND/REDMOND	PILOT BUTTE	5D265	DOBBIN	43	10,863	43	252.62	1.000
Central OR	BEND/REDMOND	REDMOND	5D21	SOUTH (REDMOND)	31	5,241	758	6.91	0.041
Central OR	BEND/REDMOND	REDMOND	5D22	INDUSTRIAL	62	12,558	1,404	8.94	0.044
Central OR	BEND/REDMOND	REDMOND	5D223	TETHEROW	51	3,846	824	4.67	0.062
Central OR	BEND/REDMOND	REDMOND	5D226	CLINE FALLS	234	19,297	1,470	13.13	0.159
Central OR	BEND/REDMOND	REDMOND	5D227	WINDSOR	281	51,717	2,896	17.86	0.097
Central OR	BEND/REDMOND	REDMOND	5D228	CITY	73	7,053	1,294	5.45	0.056
Central OR	BEND/REDMOND	REDMOND	5D229	JUNIPER	8	5,179	404	12.82	0.020
Central OR	BEND/REDMOND	SHEVLIN PARK	5D238	WOLVERINE (SHP) (WAS 5D327)	4,028	368,809	2,708	136.19	1.487
Central OR	BEND/REDMOND	SHEVLIN PARK	5D241	BADGER (SHP)	3,373	109,370	3,022	36.19	1.116
Central OR	BEND/REDMOND	SHEVLIN PARK	5D243	Black Bear	1,606	37,310	1,507	24.76	1.066
Central OR	BEND/REDMOND	YEW AVENUE	5D322	BIRDIE	98	11,769	1,721	6.84	0.057
Central OR	BEND/REDMOND	YEW AVENUE	5D323	FAIRWAY	87	15,264	382	39.96	0.228
Central OR	BEND/REDMOND	YEW AVENUE	5D325	EAGLE	12	1,169	2,482	0.47	0.005
Central OR	MADRAS	CHERRY LANE	5D295	7 PEAKS	160	2,279	147	15.50	1.088
Central OR	MADRAS	CULVER	5D5	CULVER	493	60,773	1,777	34.20	0.277

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Central OR	MADRAS	MADRAS	5D52	MADRAS RURAL	2,935	131,604	1,010	130.30	2.906
Central OR	MADRAS	MADRAS	5D53	AGATE	1,438	36,979	1,274	29.03	1.129
Central OR	MADRAS	MADRAS	5D57	QUARTZ	1,413	15,286	1,371	11.15	1.031
Central OR	MADRAS	MADRAS	5D61	MADRAS CITY	1,645	61,361	1,291	47.53	1.274
Central OR	MADRAS	POWELL BUTTE	5D1	POWELL BUTTE	711	109,971	612	179.69	1.162
Central OR	MADRAS	PRINEVILLE	5D126	RIMROCK	12	2,187	861	2.54	0.014
Central OR	MADRAS	PRINEVILLE	5D167	NORTHVILLE	352	55,399	2,629	21.07	0.134
Central OR	MADRAS	PRINEVILLE	5D25	OCHOCO	456	76,790	978	78.52	0.466
Central OR	MADRAS	PRINEVILLE	5D47	MC KAY (PRINEVILLE)	80	15,188	1,657	9.17	0.048
Central OR	MADRAS	PRINEVILLE	5D48	LAMONTA	736	44,236	620	71.35	1.187
Central OR	MADRAS	PRINEVILLE	5D50	PINE CONE	1	114	78	1.46	0.013
Central OR	MADRAS	PRINEVILLE	5D69	GRIMES FLAT	1,968	222,703	1,560	142.76	1.262
Central OR	MADRAS	WARM SPRINGS	4D68	WARM SPRINGS (OR)	2,450	422,011	1,028	410.52	2.383
CoastPlus	CLATSOP (ASTORIA)	CANNON BEACH	5A10	HAYSTACK	1,837	48,766	1,597	30.54	1.150
CoastPlus	CLATSOP (ASTORIA)	CANNON BEACH	5A8	ECOLA	3,855	239,907	1,218	196.97	3.165
CoastPlus	CLATSOP (ASTORIA)	FERN HILL SUB	5A51	JOHN DAY	414	65,998	265	249.05	1.562
CoastPlus	CLATSOP (ASTORIA)	FERN HILL SUB	5A52	SCANDINAVIAN	678	107,024	379	282.38	1.789
CoastPlus	CLATSOP (ASTORIA)	KNAPPA SVENSEN	5A92	SVENSEN	125	53,950	707	76.31	0.177
CoastPlus	CLATSOP (ASTORIA)	KNAPPA SVENSEN	5A93	BRADWOOD	1,120	198,559	927	214.19	1.208
CoastPlus	CLATSOP (ASTORIA)	SEASIDE	5A80	GROVE	5,878	215,198	2,403	89.55	2.446
CoastPlus	CLATSOP (ASTORIA)	SEASIDE	5A81	CENTRAL	1,702	28,061	1,629	17.23	1.045
CoastPlus	CLATSOP (ASTORIA)	SEASIDE	5A82	NECANICUM	3,010	211,725	1,185	178.67	2.540
CoastPlus	CLATSOP (ASTORIA)	SEASIDE	5A83	GEARHART	3,735	125,765	3,246	38.74	1.151
CoastPlus	CLATSOP (ASTORIA)	WARRENTON	5A15	CITY	84	11,745	1,949	6.03	0.043
CoastPlus	CLATSOP (ASTORIA)	WARRENTON	5A16	MILL (WARRENTON)	257	36,434	539	67.60	0.477
CoastPlus	CLATSOP (ASTORIA)	WARRENTON	5A20	SOUTH (WARRENTON)	598	92,262	1,604	57.52	0.373
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A202	PORT DOCK	1,261	59,893	1,206	49.66	1.046
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A204	MOO COW	2,677	88,087	1,142	77.13	2.344
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A205	FIFTH STREET	2,015	63,576	973	65.34	2.071
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A206	YOUNGS BAY #6	355	16,298	337	48.36	1.053
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A210	YOUNGS BAY #10	1,149	119,639	942	127.00	1.220
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A211	OLNEY	2,052	188,857	1,048	180.21	1.958
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A213	INDUSTRIAL	1,523	73,107	1,360	53.76	1.120
CoastPlus	COOS BAY/COQUILLE	BANDON TIE (BPA)	L804	BANDON	1,108	126,591	751	168.56	1.475
CoastPlus	COOS BAY/COQUILLE	COOS RIVER	4C106	COOS RIVER	6,711	1,328,939	1,363	975.01	4.924
CoastPlus	COOS BAY/COQUILLE	COQUILLE	4C41	HENRY STREET	5,481	286,922	1,680	170.79	3.263
CoastPlus	COOS BAY/COQUILLE	COQUILLE	4C42	TERRES HGHTS	5,454	334,296	1,557	214.71	3.503
CoastPlus	COOS BAY/COQUILLE	COQUILLE	4C43	INDUSTRIAL	469	18,660	153	121.96	3.065
CoastPlus	COOS BAY/COQUILLE	EMPIRE NEW	4C108	EMPIRE	3,920	255,117	1,729	147.55	2.267
CoastPlus	COOS BAY/COQUILLE	EMPIRE NEW	4C89	SCOTT	3,083	84,936	1,422	59.73	2.168
CoastPlus	COOS BAY/COQUILLE	EMPIRE NEW	4C90	CHARLESTON	4,871	194,798	2,108	92.41	2.311
CoastPlus	COOS BAY/COQUILLE	JORDAN POINT	5C11	WEYCO#2	1	25	1	24.72	1.000
CoastPlus	COOS BAY/COQUILLE	JORDAN POINT	5C6	SAND DUNES (JORDAN POINT)	31	766	31	24.72	1.000

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CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C48	CITY CENTER	1,877	64,771	1,521	42.58	1.234
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C49	EASTSIDE	963	49,653	772	64.32	1.247
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C5	GEORGIA-PAC	101	2,864	92	31.13	1.098
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C50	BUNKERHILL	3,151	191,536	1,834	104.44	1.718
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C97	ENGLEWOOD	1,572	49,306	1,383	35.65	1.137
CoastPlus	COOS BAY/COQUILLE	MYRTLE POINT	4C36	NORTH (MYRTLE POINT)	993	97,116	336	289.04	2.955
CoastPlus	COOS BAY/COQUILLE	MYRTLE POINT	4C37	MAPLE STREET	4,438	173,060	2,088	82.88	2.125
CoastPlus	COOS BAY/COQUILLE	SOUTH DUNES	5C9	DOUGLAS CHIP	4	86	2	43.20	2.000
CoastPlus	COOS BAY/COQUILLE	STATE STREET	4C112	WOODLAND	4,261	170,115	1,863	91.31	2.287
CoastPlus	COOS BAY/COQUILLE	STATE STREET	4C66	BAYSHORE	3,603	93,155	1,714	54.35	2.102
CoastPlus	COOS BAY/COQUILLE	STATE STREET	4C67	INDUSTRIAL	7,292	144,107	2,216	65.03	3.291
CoastPlus	COOS BAY/COQUILLE	STATE STREET	4C86	BANGOR	5,469	590,250	1,793	329.20	3.050
CoastPlus	HOOD RIVER	GORDON HOLLOW	4K1	SHERMAN 208	1,853	408,137	711	574.03	2.606
CoastPlus	HOOD RIVER	HOOD RIVER	5K37	RESIDENTIAL	117	18,267	2,098	8.71	0.056
CoastPlus	HOOD RIVER	HOOD RIVER	5K43	BELMONT	146	25,697	1,151	22.33	0.127
CoastPlus	HOOD RIVER	HOOD RIVER	5K44	NORTH (HOOD RIVER)	93	7,659	1,784	4.29	0.052
CoastPlus	HOOD RIVER	HOOD RIVER	5K70	EASTSIDE	269	43,030	1,043	41.26	0.258
CoastPlus	HOOD RIVER	HOOD RIVER	5K74	SOUTH (HOOD RIVER)	5,120	495,820	1,638	302.70	3.126
CoastPlus	HOOD RIVER	KENWOOD	5K50	OAKGROVE	1,427	218,096	715	305.03	1.996
CoastPlus	HOOD RIVER	WASCO	7K1	WASCO	1,170	168,155	267	629.80	4.382
CoastPlus	LINCOLN CITY	DEVILS LAKE	4A310	INLAND FEEDER	2,176	107,686	1,868	57.65	1.165
CoastPlus	LINCOLN CITY	DEVILS LAKE	4A312	OCEAN	3,822	289,442	2,977	97.23	1.284
CoastPlus	LINCOLN CITY	DEVILS LAKE	4A316	LAKE (DEVILS LAKE)	5,158	830,194	4,523	183.55	1.140
CoastPlus	LINCOLN CITY	DEVILS LAKE	4A338	SIUSLAW	708	94,278	652	144.60	1.086
CoastPlus	LINCOLN CITY	GLENEDEN	7A364	GLENEDEN	333	38,444	707	54.38	0.471
CoastPlus	LINCOLN CITY	GLENEDEN	7A366	SALISHAN	510	55,978	357	156.80	1.429
CoastPlus	LINCOLN CITY	NELSCOTT	7A390	NELSCOTT	522	48,142	354	136.00	1.475
CoastPlus	LINCOLN CITY	PGE GRAND RONDE	R114	BOYER	20	2,344	19	123.35	1.053
CoastPlus	LINCOLN CITY	WECOMA BEACH	7A354	WECOMA	969	71,198	715	99.58	1.355
CoastPlus	PORTLAND	ALBINA	5P111	ALBINA 11C01-UG	687	113,355	687	165.00	1.000
CoastPlus	PORTLAND	ALBINA	5P194	11C24-UG	224	36,960	226	163.54	0.991
CoastPlus	PORTLAND	ALBINA	5P196	11C16-UG	548	90,420	547	165.30	1.002
CoastPlus	PORTLAND	ALBINA	5P200	11C20-UG	458	75,570	459	164.64	0.998
CoastPlus	PORTLAND	ALBINA	5P92	11C12-UG	87	14,355	88	163.13	0.989
CoastPlus	PORTLAND	ALDERWOOD 115/12.5	5P604	ALDERWOOD #3	2	714	183	3.90	0.011
CoastPlus	PORTLAND	BLOSS	5P172	FURNACE	1	115	1	115.10	1.000
CoastPlus	PORTLAND	COLUMBIA (OR)	5P266	COLUMBIA #2	18	1,498	2,581	0.58	0.007
CoastPlus	PORTLAND	COLUMBIA (OR)	5P268	COLUMBIA #1	341	39,872	344	115.91	0.991
CoastPlus	PORTLAND	COLUMBIA (OR)	5P474	COLUMBIA #6	553	64,376	546	117.91	1.013
CoastPlus	PORTLAND	COLUMBIA (OR)	5P476	COLUMBIA #3	1,742	243,331	832	292.47	2.094
CoastPlus	PORTLAND	COLUMBIA (OR)	5P478	COLUMBIA #4	3,711	560,475	830	675.27	4.471
CoastPlus	PORTLAND	COLUMBIA (OR)	5P480	COLUMBIA #5	21	2,417	21	115.10	1.000
CoastPlus	PORTLAND	CULLY	5P288	CULLY #3-UG	2,267	238,702	814	293.25	2.785

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CoastPlus	PORTLAND	CULLY	5P290	CULLY #2	52	5,541	2,384	2.32	0.022
CoastPlus	PORTLAND	CULLY	5P292	CULLY #1	123	17,747	2,910	6.10	0.042
CoastPlus	PORTLAND	HOLLADAY (OR)	5P156	HOLLADAY #4-UG	7	3,321	549	6.05	0.013
CoastPlus	PORTLAND	HOLLADAY (OR)	5P158	HOLLADAY #6	1,009	59,781	897	66.65	1.125
CoastPlus	PORTLAND	HOLLYWOOD	5P203	HOLLYWOOD #3	58	11,021	1,355	8.13	0.043
CoastPlus	PORTLAND	HOLLYWOOD	5P204	HOLLYWOOD #2	1	160	583	0.27	0.002
CoastPlus	PORTLAND	HOLLYWOOD	5P205	HOLLYWOOD #1	78	9,445	2,147	4.40	0.036
CoastPlus	PORTLAND	HOLLYWOOD	5P208	HOLLYWOOD #5	495	75,374	3,084	24.44	0.161
CoastPlus	PORTLAND	HOLLYWOOD	5P209	HOLLYWOOD #4	27	2,187	2,367	0.92	0.011
CoastPlus	PORTLAND	KILLINGSWORTH	5P123	KILLINGSWORTH #3	2	455	367	1.24	0.005
CoastPlus	PORTLAND	KILLINGSWORTH	5P217	KILLINGSWORTH #5	50	19,177	429	44.70	0.117
CoastPlus	PORTLAND	KILLINGSWORTH	5P41	KILLINGSWORTH #4	5,660	379,502	2,754	137.80	2.055
CoastPlus	PORTLAND	KILLINGSWORTH	5P88	KILLINGSWORTH #1-UG	-	-	15	-	-
CoastPlus	PORTLAND	KILLINGSWORTH	5P89	KILLINGSWORTH #2	74	10,320	3,148	3.28	0.024
CoastPlus	PORTLAND	KNOTT	5P231	KNOTT #1	344	39,018	3,513	11.11	0.098
CoastPlus	PORTLAND	KNOTT	5P232	KNOTT #2	11	1,630	1,472	1.11	0.007
CoastPlus	PORTLAND	KNOTT	5P233	KNOTT #3	183	26,266	2,287	11.48	0.080
CoastPlus	PORTLAND	KNOTT	5P368	11022	1	488	175	2.79	0.006
CoastPlus	PORTLAND	KNOTT	5P372	11046	90	14,678	509	28.84	0.177
CoastPlus	PORTLAND	KNOTT	5P374	11020	1,076	173,914	973	178.74	1.106
CoastPlus	PORTLAND	MALLORY	5P162	MALLORY #1	4,637	533,518	2,104	253.57	2.204
CoastPlus	PORTLAND	MALLORY	5P164	MALLORY #2	37	5,338	3,117	1.71	0.012
CoastPlus	PORTLAND	PARKROSE	5P244	PARKROSE#4	64	13,565	3,115	4.35	0.021
CoastPlus	PORTLAND	PARKROSE	5P246	PARKROSE#3	110	18,591	3,073	6.05	0.036
CoastPlus	PORTLAND	PARKROSE	5P250	PARKROSE#2	71	8,019	666	12.04	0.107
CoastPlus	PORTLAND	PARKROSE	5P252	PARKROSE#1	37	3,378	1,794	1.88	0.021
CoastPlus	PORTLAND	RUSSELLVILLE	5P274	RUSSELLVILLE #3	42	5,634	3,025	1.86	0.014
CoastPlus	PORTLAND	RUSSELLVILLE	5P276	RUSSELLVILLE #4	224	70,433	2,321	30.35	0.097
CoastPlus	PORTLAND	RUSSELLVILLE	5P278	RUSSELLVILLE #1	979	115,089	3,257	35.34	0.301
CoastPlus	PORTLAND	RUSSELLVILLE	5P280	RUSSELLVILLE #2	449	137,885	1,259	109.52	0.357
CoastPlus	PORTLAND	VERNON	5P391	VERNON #1	157	15,342	1,834	8.37	0.086
CoastPlus	PORTLAND	VERNON	5P392	VERNON NO. 2	100	28,587	2,521	11.34	0.040
CoastPlus	PORTLAND	VERNON	5P393	VERNON #3	3,309	104,902	3,226	32.52	1.026
CoastPlus	PORTLAND	VERNON	5P394	VERNON # 4	1,245	555,047	3,265	170.00	0.381
CoastPlus	PORTLAND	VERNON	5P395	VERNON # 5	29	5,941	2,273	2.61	0.013
Northeast OR	ENTERPRISE	ENTERPRISE (OR)	4W8	CREIGHTON LN	1,795	139,391	1,464	95.21	1.226
Northeast OR	ENTERPRISE	ENTERPRISE (OR)	5W15	CITY	980	55,337	944	58.62	1.038
Northeast OR	ENTERPRISE	ENTERPRISE (OR)	5W26	RURAL (ENTERPRISE)	1,359	89,978	1,069	84.17	1.271
Northeast OR	ENTERPRISE	JOSEPH	5W21	PRAIRIE	1,067	61,669	843	73.15	1.266
Northeast OR	ENTERPRISE	MINAM	5W18	MINAM	28	2,024	12	168.68	2.333
Northeast OR	ENTERPRISE	PALLETTE	4W14	PALLETTE NORTH	396	71,272	174	409.61	2.276
Northeast OR	ENTERPRISE	PALLETTE	4W15	PALLETTE SOUTH	77	12,432	53	234.56	1.453
Northeast OR	ENTERPRISE	WALLOWA	5W28	CITY	1,928	88,932	873	101.87	2.208

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Northeast OR	HERMISTON	ARLINGTON	5K25	ARLINGTON	1,263	198,630	518	383.46	2.438
Northeast OR	HERMISTON	BLALOCK	5K40	BLALOCK	54	18,429	19	969.93	2.842
Northeast OR	HERMISTON	DALREED	4K16	WILLOW COVE	155	46,315	74	625.88	2.095
Northeast OR	HERMISTON	DALREED	4K46	BOEING	93	12,016	180	66.75	0.517
Northeast OR	HERMISTON	HERMISTON	5W602	RURAL (HERMISTON)	149	34,456	1,372	25.11	0.109
Northeast OR	HERMISTON	HINKLE	5W82	MEADOWS	442	51,863	376	137.93	1.176
Northeast OR	HERMISTON	UMATILLA	5W658	UMATILLA	92	20,115	1,173	17.15	0.078
Northeast OR	HERMISTON	UMATILLA	5W660	MCNARY	1,410	109,137	908	120.20	1.553
Northeast OR	HERMISTON	UMATILLA	5W664	PORT FEEDER	-	-	59	-	-
Northeast OR	PENDLETON	ATHENA	5W703	CITY	3,653	299,523	848	353.21	4.308
Northeast OR	PENDLETON	ATHENA	5W705	HELIX	1,819	123,170	435	283.15	4.182
Northeast OR	PENDLETON	BUCKAROO	5W201	STATE HOSP.	438	15,582	378	41.22	1.159
Northeast OR	PENDLETON	BUCKAROO	5W202	REITH	2,670	149,587	1,548	96.63	1.725
Northeast OR	PENDLETON	BUCKAROO	5W203	MONTEE	5,059	206,021	1,671	123.29	3.028
Northeast OR	PENDLETON	PENDLETON	5W401	WEST HILLS	1,904	50,782	1,702	29.84	1.119
Northeast OR	PENDLETON	PENDLETON	5W402	HARRIS HTS	2,499	96,505	2,072	46.58	1.206
Northeast OR	PENDLETON	PENDLETON	5W403	MISSION	1,129	29,094	1,060	27.45	1.065
Northeast OR	PENDLETON	PENDLETON	7W451	BUSINESS	1,447	261,787	251	1,042.97	5.765
Northeast OR	PENDLETON	PENDLETON	7W452	NORTHWEST	518	256,915	514	499.83	1.008
Northeast OR	PENDLETON	PENDLETON	7W453	SOUTHWEST (PENDELTON)	347	6,445	336	19.18	1.033
Northeast OR	PENDLETON	PENDLETON	7W454	EAST END	365	5,682	245	23.19	1.490
Northeast OR	PENDLETON	PILOT ROCK	5W404	MILL (PILOT ROCK)	3	101	1	100.88	3.000
Northeast OR	PENDLETON	PILOT ROCK	5W406	PILOT ROCK CITY	5,069	263,988	1,388	190.19	3.652
Northeast OR	PENDLETON	WESTON NEW (OR)	5W7	SCOTTS FEEDER	238	52,810	450	117.35	0.529
Northeast OR	WALLA WALLA	UMAPINE	5W105	UMAPINE FEEDER	891	138,750	970	143.04	0.919
Northeast OR	WALLA WALLA	UMAPINE	5W106	FERNDALE	1,122	216,104	1,361	158.78	0.824
Southern OR	GRANTS PASS	AGNESS AVE	5R172	SPALDING MILL	1,807	66,324	884	75.03	2.044
Southern OR	GRANTS PASS	AGNESS AVE	5R173	JONES CREEK	1,912	69,898	879	79.52	2.175
Southern OR	GRANTS PASS	AGNESS AVE	5R322	ANTEATER	2,025	72,916	973	74.94	2.081
Southern OR	GRANTS PASS	APPLEGATE	5R267	MURPHY	7,375	370,763	1,044	355.14	7.064
Southern OR	GRANTS PASS	APPLEGATE	5R278	HIGHWAY	7,617	219,522	1,617	135.76	4.711
Southern OR	GRANTS PASS	BEACON	5R104	SAVAGE ST	3,799	72,106	1,252	57.59	3.034
Southern OR	GRANTS PASS	BEACON	5R105	BEACON ST	4,664	87,499	847	103.30	5.506
Southern OR	GRANTS PASS	CAVE JUNCTION	5R52	FREE& EASY	13,190	1,217,414	2,365	514.76	5.577
Southern OR	GRANTS PASS	CAVE JUNCTION	5R53	ROUGH & READY	9,009	701,813	1,545	454.25	5.831
Southern OR	GRANTS PASS	CAVEMAN	5R295	QUAIL	5,775	151,420	1,125	134.60	5.133
Southern OR	GRANTS PASS	CAVEMAN	5R82	WASHINGTON	6,157	157,074	1,195	131.44	5.152
Southern OR	GRANTS PASS	CAVEMAN	5R98	MANZANITA	2,977	70,731	590	119.88	5.046
Southern OR	GRANTS PASS	CAVEMAN	5R99	CAVEMAN	6,137	180,930	1,200	150.78	5.114
Southern OR	GRANTS PASS	DOWELL	5R331	DOVE	3,034	103,071	1,437	71.73	2.111
Southern OR	GRANTS PASS	DOWELL	5R334	DUCK	5,705	243,697	2,542	95.87	2.244
Southern OR	GRANTS PASS	EASY VALLEY	5R123	G STREET	13,275	538,019	2,153	249.89	6.166
Southern OR	GRANTS PASS	EASY VALLEY	5R125	ROGUE	11,309	465,357	1,757	264.86	6.437

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Southern OR	GRANTS PASS	EASY VALLEY	5R259	CHINOOK	8,579	297,153	1,305	227.70	6.574
Southern OR	GRANTS PASS	FIELDER CREEK	4R33	ELK FDR.	8,777	1,341,781	1,836	730.82	4.781
Southern OR	GRANTS PASS	FIELDER CREEK	4R34	BEAR FDR	3,397	282,763	869	325.39	3.909
Southern OR	GRANTS PASS	GLENDALE SUBSTATION	5R133	GLENDALE	5,045	547,720	1,910	286.76	2.641
Southern OR	GRANTS PASS	GLENDALE SUBSTATION	5R143	INDUSTRIAL	148	21,950	652	33.67	0.227
Southern OR	GRANTS PASS	JEROME PRAIRIE	5R62	WILD PRAIRIE	8,049	501,390	1,610	311.42	4.999
Southern OR	GRANTS PASS	JEROME PRAIRIE	5R63	WOOD RIVER	11,893	451,328	1,585	284.75	7.503
Southern OR	GRANTS PASS	MERLIN	5R232	MERLIN-HUGO	11,219	401,417	2,073	193.64	5.412
Southern OR	GRANTS PASS	MERLIN	5R234	PARADISE	9,705	321,658	1,196	268.94	8.115
Southern OR	GRANTS PASS	MERLIN	5R248	PLEASANT VALLEY-MERLIN FEEDER	9,650	328,882	1,796	183.12	5.373
Southern OR	GRANTS PASS	MERLIN	5R251	BADGER	5,209	184,372	924	199.54	5.637
Southern OR	GRANTS PASS	NEW O'BRIEN	5R106	O'BRIEN	2,462	272,583	434	628.07	5.673
Southern OR	GRANTS PASS	PARK STREET (OR)	5R114	FRUITDALE	5,558	317,792	2,174	146.18	2.557
Southern OR	GRANTS PASS	PARK STREET (OR)	5R115	ALLEN CREEK	2,044	73,454	988	74.35	2.069
Southern OR	GRANTS PASS	PARK STREET (OR)	5R121	NEW HOPE	3,741	126,796	1,851	68.50	2.021
Southern OR	GRANTS PASS	PARK STREET (OR)	5R164	EXPRESS	679	26,870	319	84.23	2.129
Southern OR	GRANTS PASS	PARK STREET (OR)	5R169	PORTOLA	4,221	205,961	1,384	148.82	3.050
Southern OR	GRANTS PASS	PROVOLT	5R67	NORTH-SOUTH	4,179	262,891	1,427	184.23	2.929
Southern OR	GRANTS PASS	ROGUE RIVER	5R77	SAVAGE/WIMMER	8,247	269,358	1,861	144.74	4.431
Southern OR	GRANTS PASS	ROGUE RIVER	5R78	ROCKY POINT (ROGUE RIVER)	4,326	109,010	1,056	103.23	4.097
Southern OR	GRANTS PASS	SELMA	5R65	DEER CREEK	6,002	546,173	1,209	451.76	4.964
Southern OR	KLAMATH FALLS	BEATTY	5L1	BEATTY	429	37,652	399	94.37	1.075
Southern OR	KLAMATH FALLS	BLY	5L14	TOWN (BLY)	672	106,487	432	246.50	1.556
Southern OR	KLAMATH FALLS	BOISE CASCADE	7L9	BOISE CASCADE	1	167	1	166.70	1.000
Southern OR	KLAMATH FALLS	BONANZA (OR)	5L7	POE VALLEY	97	20,138	469	42.94	0.207
Southern OR	KLAMATH FALLS	BRYANT	5L2	GARY STREET	86	31,716	2,122	14.95	0.041
Southern OR	KLAMATH FALLS	BRYANT	5L3	WASHBURN	98	28,464	1,822	15.62	0.054
Southern OR	KLAMATH FALLS	BRYANT	5L4	SUMMERS LANE	162	7,249	1,959	3.70	0.083
Southern OR	KLAMATH FALLS	BRYANT	5L5	MOYINA HTS.	29	3,783	2,428	1.56	0.012
Southern OR	KLAMATH FALLS	CASEBEER SUB	4L16	LANGELL VLY	3,758	377,115	1,161	324.82	3.237
Southern OR	KLAMATH FALLS	CHILOQUIN	5L57	CRATER LAKE	2,684	525,920	1,050	500.88	2.556
Southern OR	KLAMATH FALLS	CHILOQUIN MARKET	5L37	WILLIAMSON	743	120,767	553	218.39	1.344
Southern OR	KLAMATH FALLS	DAIRY	5L42	SWAN LAKE	44	3,131	280	11.18	0.157
Southern OR	KLAMATH FALLS	DAIRY	5L43	DAIRY	1,968	44,945	473	95.02	4.161
Southern OR	KLAMATH FALLS	HAMAKER	5L55	KENO	265	53,716	1,695	31.69	0.156
Southern OR	KLAMATH FALLS	HAMAKER	5L56	MOUNTAIN	33	4,440	161	27.58	0.205
Southern OR	KLAMATH FALLS	HENLEY	5L58	HENLEY	858	37,667	235	160.28	3.651
Southern OR	KLAMATH FALLS	HENLEY	5L59	WEST	1,634	51,909	536	96.84	3.049
Southern OR	KLAMATH FALLS	HORNET	5L44	HOMEDALE	172	28,329	2,751	10.30	0.063
Southern OR	KLAMATH FALLS	HORNET	5L45	CRYSTAL SPR	566	50,620	1,476	34.30	0.383
Southern OR	KLAMATH FALLS	LAKEPORT	5L49	WOCUS	1	86	200	0.43	0.005
Southern OR	KLAMATH FALLS	LAKEPORT	5L54	SOUTH (LAKEPORT)	2,696	116,682	2,404	48.54	1.121
Southern OR	KLAMATH FALLS	MERRILL (OR)	5L26	LAKE (MERRILL)	3,288	98,275	981	100.18	3.352

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Southern OR	KLAMATH FALLS	MERRILL (OR)	5L27	NORTH (MERRILL)	1,742	118,607	555	213.71	3.139
Southern OR	KLAMATH FALLS	MODOC	5L36	MODOC	1,466	240,039	847	283.40	1.731
Southern OR	KLAMATH FALLS	ROSS AVENUE	5L46	ELDORADO	30	3,054	1,386	2.20	0.022
Southern OR	KLAMATH FALLS	ROSS AVENUE	5L48	BROAD ST.	109	10,686	1,193	8.96	0.091
Southern OR	KLAMATH FALLS	RUNNING Y	4L50	ROCKY POINT FEEDER (RUNNING Y)	2,621	370,480	1,444	256.56	1.815
Southern OR	KLAMATH FALLS	SHASTA WAY	7L25	SHASTA WAY	25	3,441	434	7.93	0.058
Southern OR	KLAMATH FALLS	SPRAGUE RIVER	5L8	SPRAGUE RIVER	753	59,400	504	117.86	1.494
Southern OR	KLAMATH FALLS	TEXUM	5L112	ANDERSON	105	11,591	1,197	9.68	0.088
Southern OR	KLAMATH FALLS	TEXUM	5L116	ALTAMONT	3,611	173,689	1,483	117.12	2.435
Southern OR	KLAMATH FALLS	TURKEY HILL	5L20	MALIN CITY	2,837	59,693	827	72.18	3.430
Southern OR	KLAMATH FALLS	TURKEY HILL	5L23	RURAL (TURKEY HILL)	1,068	27,982	321	87.17	3.327
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L12	ORINDALE	20	3,881	777	4.99	0.026
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L17	PINE ST (WEST SIDE HE PLANT)	25	6,219	502	12.39	0.050
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L18	RIVERSIDE (WEST SIDE HE PLANT)	1	65	585	0.11	0.002
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L19	LAKESHORE	474	76,779	301	255.08	1.575
Southern OR	LAKEVIEW	MILE-HI	5L104	INDUSTRIAL	183	41,720	719	58.03	0.255
Southern OR	LAKEVIEW	MILE-HI	5L105	BUSINESS	1,890	200,670	1,718	116.80	1.100
Southern OR	MEDFORD	ASHLAND (MTN.AVE, PUD)	5R241	CITY	2	760	13	58.43	0.154
Southern OR	MEDFORD	ASHLAND (MTN.AVE, PUD)	5R245	VALLEY VIEW	101	13,434	976	13.76	0.103
Southern OR	MEDFORD	BEALL LANE	5R361	BULLDOG	210	50,000	1,722	29.04	0.122
Southern OR	MEDFORD	BEALL LANE	5R364	BOBCAT	247	53,991	2,136	25.28	0.116
Southern OR	MEDFORD	BELKNAP	5R1	KOGAP	149	24,030	1,003	23.96	0.149
Southern OR	MEDFORD	BELKNAP	5R2	RIVERSIDE (BELKNAP)	670	25,923	663	39.10	1.011
Southern OR	MEDFORD	BELKNAP	5R3	BARNETT	169	39,638	1,627	24.36	0.104
Southern OR	MEDFORD	BELKNAP	5R47	STEWART	32	3,390	2,107	1.61	0.015
Southern OR	MEDFORD	BROOKHURST	5R118	SPRINGBROOK	168	10,034	1,840	5.45	0.091
Southern OR	MEDFORD	BROOKHURST	5R135	ROBERTS (BROOKHURST)	187	33,186	1,633	20.32	0.115
Southern OR	MEDFORD	BROOKHURST	5R32	ROXY	1,792	371,844	1,757	211.64	1.020
Southern OR	MEDFORD	BROOKHURST	5R33	CRATER LAKE	545	118,372	1,734	68.27	0.314
Southern OR	MEDFORD	BROOKHURST	5R75	SUNRISE (BROOKHURST)	52	4,755	1,246	3.82	0.042
Southern OR	MEDFORD	CAMPBELL	5R216	VOORHIES	17	943	844	1.12	0.020
Southern OR	MEDFORD	CAMPBELL	5R218	PHOENIX	99	18,656	1,511	12.35	0.066
Southern OR	MEDFORD	CAMPBELL	5R227	FERN VALLEY	137	25,764	1,324	19.46	0.103
Southern OR	MEDFORD	CAMPBELL	5R312	COBRA	1,939	235,101	1,432	164.18	1.354
Southern OR	MEDFORD	DODGE BRIDGE	4R1	SALMON	5,155	218,025	1,619	134.67	3.184
Southern OR	MEDFORD	DODGE BRIDGE	4R35	MEADOWS ROAD	3,454	238,938	1,370	174.41	2.521
Southern OR	MEDFORD	FOOTHILLS	5R38	HOSPITAL	401	87,635	767	114.26	0.523
Southern OR	MEDFORD	FOOTHILLS	5R39	PIERCE ROAD	277	58,970	1,156	51.01	0.240
Southern OR	MEDFORD	FRALEY	5R87	TABLE ROCK	1,074	145,534	512	284.25	2.098
Southern OR	MEDFORD	FRALEY	5R88	DODGE BRIDGE	831	54,241	365	148.60	2.277
Southern OR	MEDFORD	GOLD HILL	5R103	GOLD HILL	4,482	510,726	2,004	254.85	2.237
Southern OR	MEDFORD	GRIFFIN CREEK	5R204	HULL RD	141	11,543	2,706	4.27	0.052
Southern OR	MEDFORD	GRIFFIN CREEK	5R206	GRIFFIN CREEK	2,332	214,401	1,742	123.08	1.339

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Southern OR	MEDFORD	HUMBUG CREEK	5R287	HUMMINGBIRD	1,422	66,598	686	97.08	2.073
Southern OR	MEDFORD	MEDFORD	5R21	MELROSE	1,611	198,569	1,576	126.00	1.022
Southern OR	MEDFORD	MEDFORD	5R23	SPRING ST.	163	40,381	1,621	24.91	0.101
Southern OR	MEDFORD	MEDFORD	5R250	BIG Y	388	66,596	1,889	35.25	0.205
Southern OR	MEDFORD	MEDFORD	5R253	APPLE	20	502	1,107	0.45	0.018
Southern OR	MEDFORD	MEDFORD	5R257	PEAR	4	872	651	1.34	0.006
Southern OR	MEDFORD	MEDFORD	5R659	MCLEAN	31	2,352	675	3.48	0.046
Southern OR	MEDFORD	NEW JACKSONVILLE SUB-DIST	5R284	STAGE RD	2,994	221,391	2,064	107.26	1.451
Southern OR	MEDFORD	NEW JACKSONVILLE SUB-DIST	5R285	JACKSONVILLE HWY	706	139,619	2,159	64.67	0.327
Southern OR	MEDFORD	OAK KNOLL	5R55	SISKIYOU	1,282	210,304	1,489	141.24	0.861
Southern OR	MEDFORD	OAK KNOLL	5R56	HIGHWAY 99	2	683	118	5.79	0.017
Southern OR	MEDFORD	PROSPECT CENTRAL	5R40	NEW CASCADE	4	1,336	336	3.98	0.012
Southern OR	MEDFORD	RED BLANKET	7R5	PROSPECT	170	46,630	392	118.95	0.434
Southern OR	MEDFORD	ROXY ANN	5R350	St. Bernard	229	29,712	1,256	23.66	0.182
Southern OR	MEDFORD	ROXY ANN	5R354	RACCOON	362	88,442	1,518	58.26	0.238
Southern OR	MEDFORD	RUCH	5R68	APPLEGATE	1,393	152,659	920	165.93	1.514
Southern OR	MEDFORD	RUCH	5R69	RUCH	768	26,539	544	48.78	1.412
Southern OR	MEDFORD	SAGE ROAD (OR)	5R211	COLUMBUS	151	10,844	1,935	5.60	0.078
Southern OR	MEDFORD	SAGE ROAD (OR)	5R226	BOISE	5	661	913	0.72	0.005
Southern OR	MEDFORD	SAGE ROAD (OR)	5R27	MCANDREWS	114	14,206	113	125.72	1.009
Southern OR	MEDFORD	SAGE ROAD (OR)	5R28	ROSS	2,290	299,072	1,962	152.43	1.167
Southern OR	MEDFORD	SAGE ROAD (OR)	5R29	EDWARDS	771	95,478	752	126.97	1.025
Southern OR	MEDFORD	SCENIC	5R174	UPTON	173	31,986	1,996	16.02	0.087
Southern OR	MEDFORD	SCENIC	5R180	HEAD RD	1,220	54,877	1,180	46.51	1.034
Southern OR	MEDFORD	SCENIC	5R182	TAYLOR RD	1,917	258,380	1,597	161.79	1.200
Southern OR	MEDFORD	SCENIC	5R184	CHENEY	210	30,458	1,436	21.21	0.146
Southern OR	MEDFORD	STEVENS ROAD	4R13	HENRY MILLER	2,401	414,045	2,237	185.09	1.073
Southern OR	MEDFORD	STEVENS ROAD	4R17	Stingray	129	17,514	2,554	6.86	0.051
Southern OR	MEDFORD	STEVENS ROAD	4R41	ANTELOPE	398	73,837	1,134	65.11	0.351
Southern OR	MEDFORD	TAKELMA	4R9	LOST CK. (TAKELMA)	163	20,497	2,642	7.76	0.062
Southern OR	MEDFORD	TALENT	5R237	TALENT	433	140,654	2,461	57.15	0.176
Southern OR	MEDFORD	TALENT	5R238	ANDERSON CRK	2,513	420,303	1,714	245.22	1.466
Southern OR	MEDFORD	TALENT	5R239	HARTLEY ROAD	148	22,110	1,553	14.24	0.095
Southern OR	MEDFORD	TALENT	5R240	NORTH HWY	177	44,745	1,176	38.05	0.151
Southern OR	MEDFORD	TOLO	5R90	TBL ROCK LBR	280	38,283	161	237.78	1.739
Southern OR	MEDFORD	TOLO	5R91	SAMS VALLEY	1,837	330,242	647	510.42	2.839
Southern OR	MEDFORD	TOLO	5R92	KIRTLAND RD	224	29,062	199	146.04	1.126
Southern OR	MEDFORD	VILAS ROAD	5R110	MCLAUGHLIN	52	4,791	948	5.05	0.055
Southern OR	MEDFORD	VILAS ROAD	5R146	KING CENTER	1,626	425,795	1,408	302.41	1.155
Southern OR	MEDFORD	VILAS ROAD	5R305	WEBFOOT	218	21,951	793	27.68	0.275
Southern OR	MEDFORD	WHITE CITY	5R11	EAGLE POINT	211	54,617	1,477	36.98	0.143
Southern OR	MEDFORD	WHITE CITY	5R13	FIR-PLY	-	-	22	-	-
Southern OR	MEDFORD	WHITE CITY	5R14	AGATE	239	12,846	108	118.94	2.213

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Southern OR	MEDFORD	WHITE CITY	5R19	3M	18	5,758	108	53.31	0.167
Southern OR	MEDFORD	WHITE CITY	5R66	4 CORNERS	15	1,802	1,749	1.03	0.009
Southern OR	ROSEBURG/MYRTLECREEK	CANYONVILLE	5U46	CANYONVILLE	8	854	392	2.18	0.020
Southern OR	ROSEBURG/MYRTLECREEK	CANYONVILLE	5U52	BEALS CREEK FEEDER	2,370	298,873	891	335.44	2.660
Southern OR	ROSEBURG/MYRTLECREEK	CARNES	5U44	RND PRARIE	524	79,916	417	191.65	1.257
Southern OR	ROSEBURG/MYRTLECREEK	CLEARWATER #1 SUB	6U17	BRIGGS	4	679	2	339.35	2.000
Southern OR	ROSEBURG/MYRTLECREEK	CLEARWATER #2 SUB	6U33	CLEARWATER	194	40,266	97	415.11	2.000
Southern OR	ROSEBURG/MYRTLECREEK	CLOAKE	4U38	HARVARD	319	56,915	2,943	19.34	0.108
Southern OR	ROSEBURG/MYRTLECREEK	CLOAKE	4U39	GOEDECK	1,206	169,084	1,254	134.84	0.962
Southern OR	ROSEBURG/MYRTLECREEK	GARDEN VALLEY	4U80	EDENBOWER	24	2,374	812	2.92	0.030
Southern OR	ROSEBURG/MYRTLECREEK	GARDEN VALLEY	4U81	VALLEY	232	21,633	1,365	15.85	0.170
Southern OR	ROSEBURG/MYRTLECREEK	GLIDE SUBSTATION	5U83	IDLEYLD	2,600	203,278	994	204.50	2.616
Southern OR	ROSEBURG/MYRTLECREEK	GLIDE SUBSTATION	5U84	LITTLE RIVER	1,500	68,832	1,361	50.57	1.102
Southern OR	ROSEBURG/MYRTLECREEK	GREEN SUBSTATION	5U32	SAFARI	286	21,103	2,128	9.92	0.134
Southern OR	ROSEBURG/MYRTLECREEK	GREEN SUBSTATION	5U33	SUNNYSLOPE	17	1,833	1,631	1.12	0.010
Southern OR	ROSEBURG/MYRTLECREEK	ILLAHEE FLATS	6U13	ILLAHEE FLATS SINGLE PHASE RECLOSER	51	15,490	25	619.62	2.040
Southern OR	ROSEBURG/MYRTLECREEK	LEMOLO # 1	5U920	DIAMOND LAKE	1,083	258,700	182	1,421.43	5.951
Southern OR	ROSEBURG/MYRTLECREEK	MYRTLE CREEK	5U76	SUPER Y	656	123,893	1,540	80.45	0.426
Southern OR	ROSEBURG/MYRTLECREEK	MYRTLE CREEK	5U77	BOOMER HILL	407	50,968	2,302	22.14	0.177
Southern OR	ROSEBURG/MYRTLECREEK	OAKLAND (OR)	5U11	UMPQUA	3,027	228,723	1,313	174.20	2.305
Southern OR	ROSEBURG/MYRTLECREEK	OAKLAND (OR)	5U12	STAGECOACH	1,678	91,597	556	164.74	3.018
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE	5U1	TRI CITY	1,012	72,626	1,001	72.55	1.011
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE	5U2	COW CREEK	411	37,705	1,554	24.26	0.264
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE	5U3	HANNA	1	74	280	0.27	0.004
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE-VENEER	5U23	FORD MILL	-	-	1	-	-
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE-VENEER	5U50	RFP-LVL (EWP)	10	1,052	30	35.07	0.333
Southern OR	ROSEBURG/MYRTLECREEK	ROSEBURG	4U10	DIAMOND	683	61,989	2,497	24.83	0.274
Southern OR	ROSEBURG/MYRTLECREEK	ROSEBURG	4U22	DIXON	1,295	225,202	1,116	201.79	1.160
Southern OR	ROSEBURG/MYRTLECREEK	ROSEBURG	4U5	DOUGLAS	529	72,496	2,065	35.11	0.256
Southern OR	ROSEBURG/MYRTLECREEK	SOUTHGATE	4U30	SHADY POINT	149	30,076	1,583	19.00	0.094
Southern OR	ROSEBURG/MYRTLECREEK	SOUTHGATE	4U31	BOOTH	56	7,317	1,574	4.65	0.036
Southern OR	ROSEBURG/MYRTLECREEK	STEAMBOAT	6U18	STEAMBOAT	23	3,904	22	177.45	1.045
Southern OR	ROSEBURG/MYRTLECREEK	SUTHERLIN	5U35	NON-PAREIL	3,042	300,874	1,307	230.20	2.327
Southern OR	ROSEBURG/MYRTLECREEK	SUTHERLIN	5U36	DEADY	2,680	112,209	1,334	84.11	2.009
Southern OR	ROSEBURG/MYRTLECREEK	SUTHERLIN	5U56	Industrial	1,049	41,938	486	86.29	2.158
Southern OR	ROSEBURG/MYRTLECREEK	TILLER	5U89	JACKSON CRK	273	72,979	309	236.18	0.883
Southern OR	ROSEBURG/MYRTLECREEK	WINCHESTER	4U18	WILBUR	1,113	208,736	1,642	127.12	0.678
Southern OR	ROSEBURG/MYRTLECREEK	WINCHESTER	5U15	NEWTON CREEK	574	39,027	1,737	22.47	0.330
Southern OR	ROSEBURG/MYRTLECREEK	WINCHESTER	5U17	FISHER	353	69,835	763	91.53	0.463
Southern OR	ROSEBURG/MYRTLECREEK	WINCHESTER	5U19	EVANS	283	49,125	761	64.55	0.372
Southern OR	ROSEBURG/MYRTLECREEK	WINSTON	5U48	BROCKWAY	34	1,715	863	1.99	0.039
Southern OR	ROSEBURG/MYRTLECREEK	WINSTON	5U49	DILLARD	358	58,993	1,461	40.38	0.245
Willamette Valley	ALBANY	HAZELWOOD	4M335	WEST HIGH	3,199	121,693	1,475	82.50	2.169

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Willamette Valley	ALBANY	HAZELWOOD	4M336	RIVERVIEW (HAZELWOOD)	3,732	357,773	1,232	290.40	3.029
Willamette Valley	ALBANY	JEFFERSON (OR)	4M117	MARION	266	70,692	724	97.64	0.367
Willamette Valley	ALBANY	JEFFERSON (OR)	4M125	MINT	1,720	415,705	2,484	167.35	0.692
Willamette Valley	ALBANY	MURDER CREEK	4M243	SCRAVEL HILL	5,353	706,551	3,601	196.21	1.487
Willamette Valley	ALBANY	MURDER CREEK	4M245	RURAL NW	3,790	418,300	2,140	195.47	1.771
Willamette Valley	ALBANY	MURDER CREEK	4M249	DURA-PACIFIC	41	11,903	8	1,487.84	5.125
Willamette Valley	ALBANY	MURDER CREEK	4M250	INDUSTRIAL	56	13,986	1,218	11.48	0.046
Willamette Valley	ALBANY	OREMET	4M295	OAK CREEK	7	2,967	103	28.80	0.068
Willamette Valley	ALBANY	OREMET	4M296	ROGERSDALE	437	76,945	2,166	35.52	0.202
Willamette Valley	ALBANY	OREMET	5M19	OREMET	1	177	3	58.97	0.333
Willamette Valley	ALBANY	QUEEN AVE	4M217	SANTIAM	120	21,113	1,895	11.14	0.063
Willamette Valley	ALBANY	QUEEN AVE	4M258	HILL STREET	4,005	937,080	2,569	364.76	1.559
Willamette Valley	ALBANY	QUEEN AVE	4M261	WAVERLY	563	96,381	3,540	27.23	0.159
Willamette Valley	ALBANY	QUEEN AVE	4M262	GEARY STREET	307	44,676	2,744	16.28	0.112
Willamette Valley	ALBANY	VINE STREET	4M15	FERRY	87	7,765	1,801	4.31	0.048
Willamette Valley	ALBANY	VINE STREET	4M16	WATER STREET	5,066	836,786	4,078	205.20	1.242
Willamette Valley	CORVALLIS	BUCHANAN	4M130	HEWLETT PACKARD	107	6,703	2,693	2.49	0.040
Willamette Valley	CORVALLIS	BUCHANAN	4M133	PEORIA	1,360	283,646	2,452	115.68	0.555
Willamette Valley	CORVALLIS	BUCHANAN	4M134	N. NINTH ST.	861	154,180	2,581	59.74	0.334
Willamette Valley	CORVALLIS	CIRCLE BLVD	4M429	H. P. #5	1	60	1	60.03	1.000
Willamette Valley	CORVALLIS	DIXON	7M29	SECOND ST.	16	639	277	2.31	0.058
Willamette Valley	CORVALLIS	GRANT ST	4M265	HIGH SCHOOL	521	58,648	2,493	23.53	0.209
Willamette Valley	CORVALLIS	GRANT ST	4M266	CHINTIMINI	157	19,630	2,546	7.71	0.062
Willamette Valley	CORVALLIS	GRANT ST	4M268	KINGS ROAD	2,950	146,709	2,554	57.44	1.155
Willamette Valley	CORVALLIS	GRANT ST	4M269	29TH STREET	1,515	194,275	3,293	59.00	0.460
Willamette Valley	CORVALLIS	HILLVIEW	4M180	WEST HILLS	1,929	69,339	1,904	36.42	1.013
Willamette Valley	CORVALLIS	HILLVIEW	4M181	PHILOMATH	20	2,496	914	2.73	0.022
Willamette Valley	CORVALLIS	HILLVIEW	4M182	SUNSET	271	30,989	1,765	17.56	0.154
Willamette Valley	CORVALLIS	HILLVIEW	4M185	PLYMOUTH	74	10,538	1,988	5.30	0.037
Willamette Valley	CORVALLIS	MARYS RIVER	4M151	GREENBERRY	302	36,923	3,608	10.23	0.084
Willamette Valley	CORVALLIS	MARYS RIVER	4M152	AVERY	17	1,106	192	5.76	0.089
Willamette Valley	CORVALLIS	MARYS RIVER	4M153	GALLAGHER	14	3,389	159	21.32	0.088
Willamette Valley	COTTAGE GROVE/J.CITY	COBURG	4M220	DETERING	711	22,524	564	39.94	1.261
Willamette Valley	COTTAGE GROVE/J.CITY	GOSHEN (OR)	4M360	GOSHEN FDR	6,564	296,811	1,613	184.01	4.069
Willamette Valley	COTTAGE GROVE/J.CITY	HARRISBURG SUB	4M400	TERRITORIAL	4,239	348,955	1,842	189.44	2.301
Willamette Valley	COTTAGE GROVE/J.CITY	JUNCTION CITY	4M102	6TH STREET	1,429	104,218	1,157	90.08	1.235
Willamette Valley	COTTAGE GROVE/J.CITY	JUNCTION CITY	4M99	PRAIRIE ROAD	1,596	87,907	994	88.44	1.606
Willamette Valley	COTTAGE GROVE/J.CITY	LANCASTER	4M209	MONROE	4,434	741,770	1,089	681.15	4.072
Willamette Valley	COTTAGE GROVE/J.CITY	VILLAGE GREEN	4M84	NORTH SIDE	608	76,784	2,364	32.48	0.257
Willamette Valley	COTTAGE GROVE/J.CITY	VILLAGE GREEN	4M86	MADISON	67	7,284	1,595	4.57	0.042
Willamette Valley	DALLAS/INDEPENDENCE	DALLAS	4M100	RURAL (DALLAS)	17,954	834,184	4,699	177.52	3.821
Willamette Valley	DALLAS/INDEPENDENCE	DALLAS	4M201	INDUSTRIAL	2,975	158,927	27	5,886.19	#####
Willamette Valley	DALLAS/INDEPENDENCE	DALLAS	4M202	ELLEDALE	10,637	522,642	2,906	179.85	3.660

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Willamette Valley	DALLAS/INDEPENDENCE	DALLAS	4M238	DALLAS	5,851	457,159	2,281	200.42	2.565
Willamette Valley	DALLAS/INDEPENDENCE	INDEPENDENCE	4M22	RICKREAL	255	43,161	3,293	13.11	0.077
Willamette Valley	DALLAS/INDEPENDENCE	INDEPENDENCE	4M25	BUENA VISTA	643	94,969	1,983	47.89	0.324
Willamette Valley	LEBANON	BROWNSVILLE	4M17	CALAPOOIA	2,793	242,344	1,701	142.47	1.642
Willamette Valley	LEBANON	CALAPOOYA	4M850	SPAULDING	1,206	50,471	1,091	46.26	1.105
Willamette Valley	LEBANON	CALAPOOYA	4M851	BEAR	31	1,119	31	36.10	1.000
Willamette Valley	LEBANON	CROWFOOT	4M204	CROWFOOT	4,059	253,177	1,514	167.22	2.681
Willamette Valley	LEBANON	CROWFOOT	4M206	US PLYWOOD (LEBANON)	2,392	118,289	1,872	63.19	1.278
Willamette Valley	LEBANON	LEBANON	4M61	TANGENT	5,832	356,808	2,543	140.31	2.293
Willamette Valley	LEBANON	LEBANON	4M62	RALSTON	6,140	411,613	2,002	205.60	3.067
Willamette Valley	LEBANON	LEBANON	4M63	TENNESSEE	3,464	472,191	1,792	263.50	1.933
Willamette Valley	LEBANON	LEBANON	4M79	CROWN Z	1,317	44,316	1,138	38.94	1.157
Willamette Valley	LEBANON	SWEET HOME	4M37	HOLLEY	2,685	124,618	2,007	62.09	1.338
Willamette Valley	LEBANON	SWEET HOME	4M38	NARROWS	1,374	137,677	970	141.93	1.416
Willamette Valley	LEBANON	SWEET HOME	4M93	AMES CREEK	2,276	132,279	1,694	78.09	1.344
Willamette Valley	LEBANON	SWEET HOME	4M94	FOSTER	5,020	412,522	2,377	173.55	2.112
Willamette Valley	STAYTON	LYONS	4M120	MILL CITY	1,916	664,613	725	916.71	2.643
Willamette Valley	STAYTON	LYONS	4M70	MEHAMA	2,852	1,081,078	2,133	506.83	1.337
Willamette Valley	STAYTON	SCIO	5M126	THOMAS	2,726	386,278	1,566	246.67	1.741
Willamette Valley	STAYTON	STAYTON	4M19	AUMSVILLE	1,297	161,203	3,185	50.61	0.407
Willamette Valley	STAYTON	STAYTON	4M353	WEST STAYTON	5,077	1,022,938	3,466	295.14	1.465
Willamette Valley	STAYTON	STAYTON	4M370	CASCADE	523	86,134	1,588	54.24	0.329
Willamette Valley	STAYTON	STAYTON	4M50	3RD STREET	116	14,101	914	15.43	0.127

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Central OR	BEND/REDMOND	BEND	5D10	PORTLAND AVE	2,790	393,610	2,375	165.73	1.175
Central OR	BEND/REDMOND	BEND	5D11	GLEN VISTA	1,211	178,645	1,172	152.43	1.033
Central OR	BEND/REDMOND	BEND	5D12	DIVISION ST.	217	32,865	215	152.86	1.009
Central OR	BEND/REDMOND	BEND	5D196	MALLARD	1,430	208,329	1,397	149.13	1.024
Central OR	BEND/REDMOND	BOND STREET	5D411	BACHELOR	3,873	207,314	1,740	119.15	2.226
Central OR	BEND/REDMOND	BOND STREET	5D413	OLD MILL.	780	36,413	389	93.61	2.005
Central OR	BEND/REDMOND	BOND STREET	5D418	BLAKELY	2,508	134,278	1,233	108.90	2.034
Central OR	BEND/REDMOND	CHINA HAT	5D140	LAVA (CHINA HAT)	3,333	361,790	2,290	157.99	1.455
Central OR	BEND/REDMOND	CHINA HAT	5D142	HIGH DESERT	3,559	217,252	1,711	126.97	2.080
Central OR	BEND/REDMOND	CHINA HAT	5D144	D.R.W.	3,777	452,727	2,414	187.54	1.565
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D30	ARROWHEAD	2,675	415,078	1,200	345.90	2.229
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D35	WICKIUP	1,148	110,185	1,023	107.71	1.122
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D38	TOMAHAWK	2,952	261,501	1,432	182.61	2.061
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D94	TEEPÉE	3,799	355,110	3,615	98.23	1.051
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D96	OBSIDIAN	2,033	179,048	902	198.50	2.254
Central OR	BEND/REDMOND	CLEVELAND AVE.	5D98	HUCKLEBERRY	2,399	186,234	1,181	157.69	2.031
Central OR	BEND/REDMOND	CROOKED RIVER RANCH	4D131	CANYON	1,296	172,282	1,770	97.33	0.732
Central OR	BEND/REDMOND	CROOKED RIVER RANCH	4D30	CROOKED R.R.	75	10,529	780	13.50	0.096
Central OR	BEND/REDMOND	DESCHUTES	5D184	PRONGHORN	1,138	16,300	1,100	14.82	1.035
Central OR	BEND/REDMOND	DESCHUTES	5D2	DESCHUTES S	2,187	77,941	989	78.81	2.211
Central OR	BEND/REDMOND	HUNTERS CIRCLE	5D192	Mackinaw	695	9,093	661	13.76	1.051
Central OR	BEND/REDMOND	OVERPASS	5D104	AWBREY	3,967	77,254	1,023	75.52	3.878
Central OR	BEND/REDMOND	OVERPASS	5D106	NEZ PERCE	2,796	56,188	2,626	21.40	1.065
Central OR	BEND/REDMOND	OVERPASS	5D120	CHINOOK	2,159	67,845	1,393	48.70	1.550
Central OR	BEND/REDMOND	OVERPASS	5D128	PAIUTE	2,281	37,775	2,161	17.48	1.056
Central OR	BEND/REDMOND	OVERPASS	5D155	APACHE	842	13,241	1,925	6.88	0.437
Central OR	BEND/REDMOND	PILOT BUTTE	5D261	KLONDIKE	204	46,208	3,127	14.78	0.065
Central OR	BEND/REDMOND	PILOT BUTTE	5D263	DRAKE FEEDER	576	79,313	2,465	32.18	0.234
Central OR	BEND/REDMOND	PILOT BUTTE	5D265	DOBBIN	43	10,863	43	252.62	1.000
Central OR	BEND/REDMOND	REDMOND	5D21	SOUTH (REDMOND)	31	5,241	758	6.91	0.041
Central OR	BEND/REDMOND	REDMOND	5D22	INDUSTRIAL	64	12,857	1,404	9.16	0.046
Central OR	BEND/REDMOND	REDMOND	5D223	TETHEROW	52	3,951	824	4.79	0.063
Central OR	BEND/REDMOND	REDMOND	5D226	CLINE FALLS	234	19,297	1,470	13.13	0.159
Central OR	BEND/REDMOND	REDMOND	5D227	WINDSOR	282	51,905	2,896	17.92	0.097
Central OR	BEND/REDMOND	REDMOND	5D228	CITY	245	24,577	1,294	18.99	0.189
Central OR	BEND/REDMOND	REDMOND	5D229	JUNIPER	8	5,179	404	12.82	0.020
Central OR	BEND/REDMOND	SHEVLIN PARK	5D238	WOLVERINE (SHP) (WAS 5D327)	6,837	525,832	2,708	194.18	2.525
Central OR	BEND/REDMOND	SHEVLIN PARK	5D241	BADGER (SHP)	6,419	279,641	3,022	92.54	2.124
Central OR	BEND/REDMOND	SHEVLIN PARK	5D243	Black Bear	3,247	129,042	1,507	85.63	2.155
Central OR	BEND/REDMOND	YEW AVENUE	5D322	BIRDIE	98	11,769	1,721	6.84	0.057
Central OR	BEND/REDMOND	YEW AVENUE	5D323	FAIRWAY	87	15,264	382	39.96	0.228
Central OR	BEND/REDMOND	YEW AVENUE	5D325	EAGLE	15	1,411	2,482	0.57	0.006
Central OR	MADRAS	CHERRY LANE	5D295	7 PEAKS	160	2,279	147	15.50	1.088

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Central OR	MADRAS	CULVER	5D5	CULVER	506	62,028	1,777	34.91	0.285
Central OR	MADRAS	MADRAS	5D52	MADRAS RURAL	2,935	131,604	1,010	130.30	2.906
Central OR	MADRAS	MADRAS	5D53	AGATE	1,438	36,979	1,274	29.03	1.129
Central OR	MADRAS	MADRAS	5D57	QUARTZ	1,413	15,286	1,371	11.15	1.031
Central OR	MADRAS	MADRAS	5D61	MADRAS CITY	1,813	89,118	1,291	69.03	1.404
Central OR	MADRAS	POWELL BUTTE	5D1	POWELL BUTTE	711	109,971	612	179.69	1.162
Central OR	MADRAS	PRINEVILLE	5D126	RIMROCK	12	2,187	861	2.54	0.014
Central OR	MADRAS	PRINEVILLE	5D167	NORTHVILLE	352	55,399	2,629	21.07	0.134
Central OR	MADRAS	PRINEVILLE	5D25	OCHOCO	457	76,909	978	78.64	0.467
Central OR	MADRAS	PRINEVILLE	5D47	MC KAY (PRINEVILLE)	80	15,188	1,657	9.17	0.048
Central OR	MADRAS	PRINEVILLE	5D48	LAMONTA	736	44,236	620	71.35	1.187
Central OR	MADRAS	PRINEVILLE	5D50	PINE CONE	1	114	78	1.46	0.013
Central OR	MADRAS	PRINEVILLE	5D69	GRIMES FLAT	1,969	222,790	1,560	142.81	1.262
Central OR	MADRAS	WARM SPRINGS	4D68	WARM SPRINGS (OR)	2,450	422,011	1,028	410.52	2.383
CoastPlus	CLATSOP (ASTORIA)	CANNON BEACH	5A10	HAYSTACK	1,839	48,906	1,597	30.62	1.152
CoastPlus	CLATSOP (ASTORIA)	CANNON BEACH	5A8	ECOLA	3,899	251,626	1,218	206.59	3.201
CoastPlus	CLATSOP (ASTORIA)	FERN HILL SUB	5A51	JOHN DAY	414	65,998	265	249.05	1.562
CoastPlus	CLATSOP (ASTORIA)	FERN HILL SUB	5A52	SCANDINAVIAN	678	107,024	379	282.38	1.789
CoastPlus	CLATSOP (ASTORIA)	KNAPPA SVENSEN	5A92	SVENSEN	223	73,641	707	104.16	0.315
CoastPlus	CLATSOP (ASTORIA)	KNAPPA SVENSEN	5A93	BRADWOOD	1,379	245,455	927	264.78	1.488
CoastPlus	CLATSOP (ASTORIA)	SEASIDE	5A80	GROVE	5,879	215,284	2,403	89.59	2.447
CoastPlus	CLATSOP (ASTORIA)	SEASIDE	5A81	CENTRAL	1,702	28,061	1,629	17.23	1.045
CoastPlus	CLATSOP (ASTORIA)	SEASIDE	5A82	NECANICUM	3,057	213,310	1,185	180.01	2.580
CoastPlus	CLATSOP (ASTORIA)	SEASIDE	5A83	GEARHART	3,736	125,836	3,246	38.77	1.151
CoastPlus	CLATSOP (ASTORIA)	WARRENTON	5A15	CITY	84	11,745	1,949	6.03	0.043
CoastPlus	CLATSOP (ASTORIA)	WARRENTON	5A16	MILL (WARRENTON)	342	47,330	539	87.81	0.635
CoastPlus	CLATSOP (ASTORIA)	WARRENTON	5A20	SOUTH (WARRENTON)	2,311	238,950	1,604	148.97	1.441
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A202	PORT DOCK	1,261	59,893	1,206	49.66	1.046
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A204	MOO COW	2,677	88,087	1,142	77.13	2.344
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A205	FIFTH STREET	2,015	63,576	973	65.34	2.071
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A206	YOUNGS BAY #6	355	16,298	337	48.36	1.053
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A210	YOUNGS BAY #10	1,155	124,347	942	132.00	1.226
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A211	OLNEY	2,052	188,857	1,048	180.21	1.958
CoastPlus	CLATSOP (ASTORIA)	YOUNGS BAY	5A213	INDUSTRIAL	1,572	82,746	1,360	60.84	1.156
CoastPlus	COOS BAY/COQUILLE	BANDON TIE (BPA)	L804	BANDON	2,294	770,321	751	1,025.73	3.055
CoastPlus	COOS BAY/COQUILLE	COOS RIVER	4C106	COOS RIVER	8,421	2,471,332	1,363	1,813.16	6.178
CoastPlus	COOS BAY/COQUILLE	COQUILLE	4C41	HENRY STREET	6,435	959,112	1,680	570.90	3.830
CoastPlus	COOS BAY/COQUILLE	COQUILLE	4C42	TERRES HGHTS	5,777	569,163	1,557	365.55	3.710
CoastPlus	COOS BAY/COQUILLE	COQUILLE	4C43	INDUSTRIAL	469	18,660	153	121.96	3.065
CoastPlus	COOS BAY/COQUILLE	EMPIRE NEW	4C108	EMPIRE	5,052	427,860	1,729	247.46	2.922
CoastPlus	COOS BAY/COQUILLE	EMPIRE NEW	4C89	SCOTT	3,083	84,936	1,422	59.73	2.168
CoastPlus	COOS BAY/COQUILLE	EMPIRE NEW	4C90	CHARLESTON	9,332	1,781,087	2,108	844.92	4.427
CoastPlus	COOS BAY/COQUILLE	JORDAN POINT	5C11	WEYCO#2	1	25	1	24.72	1.000

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CoastPlus	COOS BAY/COQUILLE	JORDAN POINT	5C6	SAND DUNES (JORDAN POINT)	31	766	31	24.72	1.000
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C48	CITY CENTER	1,889	89,317	1,521	58.72	1.242
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C49	EASTSIDE	1,743	237,693	772	307.89	2.258
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C5	GEORGIA-PAC	101	2,864	92	31.13	1.098
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C50	BUNKERHILL	7,338	1,662,752	1,834	906.63	4.001
CoastPlus	COOS BAY/COQUILLE	LOCKHART	4C97	ENGLEWOOD	1,593	58,419	1,383	42.24	1.152
CoastPlus	COOS BAY/COQUILLE	MYRTLE POINT	4C36	NORTH (MYRTLE POINT)	1,000	113,620	336	338.16	2.976
CoastPlus	COOS BAY/COQUILLE	MYRTLE POINT	4C37	MAPLE STREET	5,257	745,465	2,088	357.02	2.518
CoastPlus	COOS BAY/COQUILLE	SOUTH DUNES	5C9	DOUGLAS CHIP	4	86	2	43.20	2.000
CoastPlus	COOS BAY/COQUILLE	STATE STREET	4C112	WOODLAND	4,374	240,837	1,863	129.27	2.348
CoastPlus	COOS BAY/COQUILLE	STATE STREET	4C66	BAYSHORE	3,646	130,721	1,714	76.27	2.127
CoastPlus	COOS BAY/COQUILLE	STATE STREET	4C67	INDUSTRIAL	7,321	163,958	2,216	73.99	3.304
CoastPlus	COOS BAY/COQUILLE	STATE STREET	4C86	BANGOR	5,586	626,127	1,793	349.21	3.115
CoastPlus	HOOD RIVER	GORDON HOLLOW	4K1	SHERMAN 208	1,853	408,137	711	574.03	2.606
CoastPlus	HOOD RIVER	HOOD RIVER	5K37	RESIDENTIAL	117	18,267	2,098	8.71	0.056
CoastPlus	HOOD RIVER	HOOD RIVER	5K43	BELMONT	146	25,697	1,151	22.33	0.127
CoastPlus	HOOD RIVER	HOOD RIVER	5K44	NORTH (HOOD RIVER)	93	7,659	1,784	4.29	0.052
CoastPlus	HOOD RIVER	HOOD RIVER	5K70	EASTSIDE	269	43,030	1,043	41.26	0.258
CoastPlus	HOOD RIVER	HOOD RIVER	5K74	SOUTH (HOOD RIVER)	5,120	495,820	1,638	302.70	3.126
CoastPlus	HOOD RIVER	KENWOOD	5K50	OAKGROVE	1,427	218,096	715	305.03	1.996
CoastPlus	HOOD RIVER	WASCO	7K1	WASCO	1,170	168,155	267	629.80	4.382
CoastPlus	LINCOLN CITY	DEVILS LAKE	4A310	INLAND FEEDER	2,424	177,800	1,868	95.18	1.298
CoastPlus	LINCOLN CITY	DEVILS LAKE	4A312	OCEAN	3,858	319,385	2,977	107.28	1.296
CoastPlus	LINCOLN CITY	DEVILS LAKE	4A316	LAKE (DEVILS LAKE)	12,492	1,685,619	4,523	372.68	2.762
CoastPlus	LINCOLN CITY	DEVILS LAKE	4A338	SIUSLAW	1,841	279,264	652	428.32	2.824
CoastPlus	LINCOLN CITY	GLENEDEN	7A364	GLENEDEN	1,636	336,785	707	476.36	2.314
CoastPlus	LINCOLN CITY	GLENEDEN	7A366	SALISHAN	510	55,978	357	156.80	1.429
CoastPlus	LINCOLN CITY	NELSCOTT	7A390	NELSCOTT	548	68,498	354	193.50	1.548
CoastPlus	LINCOLN CITY	PGE GRAND RONDE	R114	BOYER	20	2,344	19	123.35	1.053
CoastPlus	LINCOLN CITY	WECOMA BEACH	7A354	WECOMA	969	71,198	715	99.58	1.355
CoastPlus	PORTLAND	ALBINA	5P111	ALBINA 11C01-UG	687	113,355	687	165.00	1.000
CoastPlus	PORTLAND	ALBINA	5P194	11C24-UG	224	36,960	226	163.54	0.991
CoastPlus	PORTLAND	ALBINA	5P196	11C16-UG	548	90,420	547	165.30	1.002
CoastPlus	PORTLAND	ALBINA	5P200	11C20-UG	458	75,570	459	164.64	0.998
CoastPlus	PORTLAND	ALBINA	5P92	11C12-UG	87	14,355	88	163.13	0.989
CoastPlus	PORTLAND	ALDERWOOD 115/12.5	5P33	ALDERWOOD #4	41	40,015	182	219.86	0.225
CoastPlus	PORTLAND	ALDERWOOD 115/12.5	5P604	ALDERWOOD #3	2	714	183	3.90	0.011
CoastPlus	PORTLAND	BLOSS	5P172	FURNACE	1	115	1	115.10	1.000
CoastPlus	PORTLAND	COLUMBIA (OR)	5P266	COLUMBIA #2	18	1,498	2,581	0.58	0.007
CoastPlus	PORTLAND	COLUMBIA (OR)	5P268	COLUMBIA #1	341	39,872	344	115.91	0.991
CoastPlus	PORTLAND	COLUMBIA (OR)	5P474	COLUMBIA #6	553	64,376	546	117.91	1.013
CoastPlus	PORTLAND	COLUMBIA (OR)	5P476	COLUMBIA #3	1,742	243,331	832	292.47	2.094
CoastPlus	PORTLAND	COLUMBIA (OR)	5P478	COLUMBIA #4	3,711	560,475	830	675.27	4.471

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CoastPlus	PORTLAND	COLUMBIA (OR)	5P480	COLUMBIA #5	21	2,417	21	115.10	1.000
CoastPlus	PORTLAND	CULLY	5P288	CULLY #3-UG	2,267	238,702	814	293.25	2.785
CoastPlus	PORTLAND	CULLY	5P290	CULLY #2	52	5,541	2,384	2.32	0.022
CoastPlus	PORTLAND	CULLY	5P292	CULLY #1	123	17,747	2,910	6.10	0.042
CoastPlus	PORTLAND	HOLLADAY (OR)	5P156	HOLLADAY #4-UG	7	3,321	549	6.05	0.013
CoastPlus	PORTLAND	HOLLADAY (OR)	5P158	HOLLADAY #6	1,009	59,781	897	66.65	1.125
CoastPlus	PORTLAND	HOLLYWOOD	5P203	HOLLYWOOD #3	58	11,021	1,355	8.13	0.043
CoastPlus	PORTLAND	HOLLYWOOD	5P204	HOLLYWOOD #2	2	215	583	0.37	0.003
CoastPlus	PORTLAND	HOLLYWOOD	5P205	HOLLYWOOD #1	78	9,445	2,147	4.40	0.036
CoastPlus	PORTLAND	HOLLYWOOD	5P208	HOLLYWOOD #5	496	75,547	3,084	24.50	0.161
CoastPlus	PORTLAND	HOLLYWOOD	5P209	HOLLYWOOD #4	27	2,187	2,367	0.92	0.011
CoastPlus	PORTLAND	KILLINGSWORTH	5P123	KILLINGSWORTH #3	2	455	367	1.24	0.005
CoastPlus	PORTLAND	KILLINGSWORTH	5P217	KILLINGSWORTH #5	50	19,177	429	44.70	0.117
CoastPlus	PORTLAND	KILLINGSWORTH	5P41	KILLINGSWORTH #4	5,660	379,502	2,754	137.80	2.055
CoastPlus	PORTLAND	KILLINGSWORTH	5P88	KILLINGSWORTH #1-UG	-	-	15	-	-
CoastPlus	PORTLAND	KILLINGSWORTH	5P89	KILLINGSWORTH #2	74	10,320	3,148	3.28	0.024
CoastPlus	PORTLAND	KNOTT	5P231	KNOTT #1	344	39,018	3,513	11.11	0.098
CoastPlus	PORTLAND	KNOTT	5P232	KNOTT #2	11	1,630	1,472	1.11	0.007
CoastPlus	PORTLAND	KNOTT	5P233	KNOTT #3	183	26,266	2,287	11.48	0.080
CoastPlus	PORTLAND	KNOTT	5P368	11022	1	488	175	2.79	0.006
CoastPlus	PORTLAND	KNOTT	5P372	11046	90	14,678	509	28.84	0.177
CoastPlus	PORTLAND	KNOTT	5P374	11020	1,076	173,914	973	178.74	1.106
CoastPlus	PORTLAND	MALLORY	5P162	MALLORY #1	4,637	533,518	2,104	253.57	2.204
CoastPlus	PORTLAND	MALLORY	5P164	MALLORY #2	37	5,338	3,117	1.71	0.012
CoastPlus	PORTLAND	PARKROSE	5P244	PARKROSE#4	66	13,981	3,115	4.49	0.021
CoastPlus	PORTLAND	PARKROSE	5P246	PARKROSE#3	110	18,591	3,073	6.05	0.036
CoastPlus	PORTLAND	PARKROSE	5P250	PARKROSE#2	71	8,019	666	12.04	0.107
CoastPlus	PORTLAND	PARKROSE	5P252	PARKROSE#1	38	3,567	1,794	1.99	0.021
CoastPlus	PORTLAND	RUSSELLVILLE	5P274	RUSSELLVILLE #3	3,127	340,287	3,025	112.49	1.034
CoastPlus	PORTLAND	RUSSELLVILLE	5P276	RUSSELLVILLE #4	2,559	819,729	2,321	353.18	1.103
CoastPlus	PORTLAND	RUSSELLVILLE	5P278	RUSSELLVILLE #1	4,261	466,920	3,257	143.36	1.308
CoastPlus	PORTLAND	RUSSELLVILLE	5P280	RUSSELLVILLE #2	1,707	660,684	1,259	524.77	1.356
CoastPlus	PORTLAND	VERNON	5P391	VERNON #1	157	15,342	1,834	8.37	0.086
CoastPlus	PORTLAND	VERNON	5P392	VERNON NO. 2	100	28,587	2,521	11.34	0.040
CoastPlus	PORTLAND	VERNON	5P393	VERNON #3	3,309	104,902	3,226	32.52	1.026
CoastPlus	PORTLAND	VERNON	5P394	VERNON # 4	4,705	1,106,276	3,265	338.83	1.441
CoastPlus	PORTLAND	VERNON	5P395	VERNON # 5	29	5,941	2,273	2.61	0.013
Northeast OR	ENTERPRISE	ENTERPRISE (OR)	4W8	CREIGHTON LN	1,800	139,898	1,464	95.56	1.230
Northeast OR	ENTERPRISE	ENTERPRISE (OR)	5W15	CITY	980	55,337	944	58.62	1.038
Northeast OR	ENTERPRISE	ENTERPRISE (OR)	5W26	RURAL (ENTERPRISE)	1,359	89,978	1,069	84.17	1.271
Northeast OR	ENTERPRISE	JOSEPH	5W21	PRAIRIE	1,073	63,818	843	75.70	1.273
Northeast OR	ENTERPRISE	MINAM	5W18	MINAM	28	2,024	12	168.68	2.333
Northeast OR	ENTERPRISE	PALLETTE	4W14	PALLETTE NORTH	396	71,272	174	409.61	2.276

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Northeast OR	ENTERPRISE	PALLETTE	4W15	PALLETTE SOUTH	77	12,432	53	234.56	1.453
Northeast OR	ENTERPRISE	WALLOWA	5W28	CITY	1,991	94,189	873	107.89	2.281
Northeast OR	HERMISTON	ARLINGTON	5K25	ARLINGTON	1,264	198,824	518	383.83	2.440
Northeast OR	HERMISTON	BLALOCK	5K40	BLALOCK	54	18,429	19	969.93	2.842
Northeast OR	HERMISTON	DALREED	4K16	WILLOW COVE	155	46,315	74	625.88	2.095
Northeast OR	HERMISTON	DALREED	4K46	BOEING	93	12,016	180	66.75	0.517
Northeast OR	HERMISTON	HERMISTON	5W602	RURAL (HERMISTON)	1,532	811,839	1,372	591.72	1.117
Northeast OR	HERMISTON	HINKLE	5W82	MEADOWS	818	79,060	376	210.27	2.176
Northeast OR	HERMISTON	UMATILLA	5W658	UMATILLA	92	20,115	1,173	17.15	0.078
Northeast OR	HERMISTON	UMATILLA	5W660	MCNARY	1,410	109,137	908	120.20	1.553
Northeast OR	HERMISTON	UMATILLA	5W664	PORT FEEDER	-	-	59	-	-
Northeast OR	PENDLETON	ATHENA	5W703	CITY	3,653	299,523	848	353.21	4.308
Northeast OR	PENDLETON	ATHENA	5W705	HELIX	1,819	123,170	435	283.15	4.182
Northeast OR	PENDLETON	BUCKAROO	5W201	STATE HOSP.	438	15,582	378	41.22	1.159
Northeast OR	PENDLETON	BUCKAROO	5W202	REITH	2,670	149,587	1,548	96.63	1.725
Northeast OR	PENDLETON	BUCKAROO	5W203	MONTEE	5,059	206,021	1,671	123.29	3.028
Northeast OR	PENDLETON	PENDLETON	5W401	WEST HILLS	1,904	50,782	1,702	29.84	1.119
Northeast OR	PENDLETON	PENDLETON	5W402	HARRIS HTS	2,523	105,930	2,072	51.12	1.218
Northeast OR	PENDLETON	PENDLETON	5W403	MISSION	1,462	52,850	1,060	49.86	1.379
Northeast OR	PENDLETON	PENDLETON	7W451	BUSINESS	1,447	261,787	251	1,042.97	5.765
Northeast OR	PENDLETON	PENDLETON	7W452	NORTHWEST	518	256,915	514	499.83	1.008
Northeast OR	PENDLETON	PENDLETON	7W453	SOUTHWEST (PENDELTON)	347	6,445	336	19.18	1.033
Northeast OR	PENDLETON	PENDLETON	7W454	EAST END	365	5,682	245	23.19	1.490
Northeast OR	PENDLETON	PILOT ROCK	5W404	MILL (PILOT ROCK)	3	101	1	100.88	3.000
Northeast OR	PENDLETON	PILOT ROCK	5W406	PILOT ROCK CITY	5,125	273,561	1,388	197.09	3.692
Northeast OR	PENDLETON	WESTON NEW (OR)	5W7	SCOTT'S FEEDER	358	64,911	450	144.25	0.796
Northeast OR	WALLA WALLA	UMAPINE	5W105	UMAPINE FEEDER	891	138,750	970	143.04	0.919
Northeast OR	WALLA WALLA	UMAPINE	5W106	FERNDAL	1,123	216,316	1,361	158.94	0.825
Southern OR	GRANTS PASS	AGNESS AVE	5R172	SPALDING MILL	1,807	66,324	884	75.03	2.044
Southern OR	GRANTS PASS	AGNESS AVE	5R173	JONES CREEK	1,912	69,898	879	79.52	2.175
Southern OR	GRANTS PASS	AGNESS AVE	5R322	ANTEATER	2,025	72,916	973	74.94	2.081
Southern OR	GRANTS PASS	APPLEGATE	5R267	MURPHY	8,433	657,587	1,044	629.87	8.078
Southern OR	GRANTS PASS	APPLEGATE	5R278	HIGHWAY	9,255	663,392	1,617	410.26	5.724
Southern OR	GRANTS PASS	BEACON	5R104	SAVAGE ST	5,077	418,346	1,252	334.14	4.055
Southern OR	GRANTS PASS	BEACON	5R105	BEACON ST	5,511	316,189	847	373.30	6.506
Southern OR	GRANTS PASS	CAVE JUNCTION	5R52	FREE & EASY	15,757	1,895,717	2,365	801.57	6.663
Southern OR	GRANTS PASS	CAVE JUNCTION	5R53	ROUGH & READY	10,581	1,130,018	1,545	731.40	6.849
Southern OR	GRANTS PASS	CAVEMAN	5R295	QUAIL	6,903	168,340	1,125	149.64	6.136
Southern OR	GRANTS PASS	CAVEMAN	5R82	WASHINGTON	7,362	173,944	1,195	145.56	6.161
Southern OR	GRANTS PASS	CAVEMAN	5R98	MANZANITA	3,560	80,118	590	135.79	6.034
Southern OR	GRANTS PASS	CAVEMAN	5R99	CAVEMAN	7,631	246,179	1,200	205.15	6.359
Southern OR	GRANTS PASS	DOWELL	5R331	DOVE	3,034	103,071	1,437	71.73	2.111
Southern OR	GRANTS PASS	DOWELL	5R334	DUCK	5,705	243,697	2,542	95.87	2.244

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Southern OR	GRANTS PASS	EASY VALLEY	5R123	G STREET	15,441	563,181	2,153	261.58	7.172
Southern OR	GRANTS PASS	EASY VALLEY	5R125	ROGUE	13,088	486,721	1,757	277.02	7.449
Southern OR	GRANTS PASS	EASY VALLEY	5R259	CHINOOK	10,077	365,918	1,305	280.40	7.722
Southern OR	GRANTS PASS	FIELDER CREEK	4R33	ELK FDR.	8,781	1,343,199	1,836	731.59	4.783
Southern OR	GRANTS PASS	FIELDER CREEK	4R34	BEAR FDR	3,458	298,036	869	342.96	3.979
Southern OR	GRANTS PASS	GLENDALE SUBSTATION	5R133	GLENDALE	5,055	556,317	1,910	291.27	2.647
Southern OR	GRANTS PASS	GLENDALE SUBSTATION	5R143	INDUSTRIAL	810	81,395	652	124.84	1.242
Southern OR	GRANTS PASS	JEROME PRAIRIE	5R62	WILD PRAIRIE	9,765	974,560	1,610	605.32	6.065
Southern OR	GRANTS PASS	JEROME PRAIRIE	5R63	WOOD RIVER	14,886	1,301,453	1,585	821.11	9.392
Southern OR	GRANTS PASS	MERLIN	5R232	MERLIN-HUGO	13,173	474,783	2,073	229.03	6.355
Southern OR	GRANTS PASS	MERLIN	5R234	PARADISE	10,744	335,373	1,196	280.41	8.983
Southern OR	GRANTS PASS	MERLIN	5R248	PLEASANT VALLEY-MERLIN FEEDER	11,041	347,545	1,796	193.51	6.148
Southern OR	GRANTS PASS	MERLIN	5R251	BADGER	6,037	195,550	924	211.63	6.534
Southern OR	GRANTS PASS	NEW O'BRIEN	5R106	O'BRIEN	2,897	390,555	434	899.90	6.675
Southern OR	GRANTS PASS	PARK STREET (OR)	5R114	FRUITDALE	5,558	317,792	2,174	146.18	2.557
Southern OR	GRANTS PASS	PARK STREET (OR)	5R115	ALLEN CREEK	2,044	73,454	988	74.35	2.069
Southern OR	GRANTS PASS	PARK STREET (OR)	5R121	NEW HOPE	3,741	126,796	1,851	68.50	2.021
Southern OR	GRANTS PASS	PARK STREET (OR)	5R164	EXPRESS	679	26,870	319	84.23	2.129
Southern OR	GRANTS PASS	PARK STREET (OR)	5R169	PORTOLA	4,221	205,961	1,384	148.82	3.050
Southern OR	GRANTS PASS	PROVOLT	5R67	NORTH-SOUTH	5,375	329,855	1,427	231.15	3.767
Southern OR	GRANTS PASS	ROGUE RIVER	5R77	SAVAGE/WIMMER	10,128	778,827	1,861	418.50	5.442
Southern OR	GRANTS PASS	ROGUE RIVER	5R78	ROCKY POINT (ROGUE RIVER)	5,646	497,273	1,056	470.90	5.347
Southern OR	GRANTS PASS	SELMA	5R65	DEER CREEK	7,220	876,617	1,209	725.08	5.972
Southern OR	KLAMATH FALLS	BEATTY	5L1	BEATTY	431	38,199	399	95.74	1.080
Southern OR	KLAMATH FALLS	BLY	5L14	TOWN (BLY)	672	106,487	432	246.50	1.556
Southern OR	KLAMATH FALLS	BOISE CASCADE	7L9	BOISE CASCAD	1	167	1	166.70	1.000
Southern OR	KLAMATH FALLS	BONANZA (OR)	5L7	POE VALLEY	97	20,138	469	42.94	0.207
Southern OR	KLAMATH FALLS	BRYANT	5L2	GARY STREET	86	31,716	2,122	14.95	0.041
Southern OR	KLAMATH FALLS	BRYANT	5L3	WASHBURN	98	28,464	1,822	15.62	0.054
Southern OR	KLAMATH FALLS	BRYANT	5L4	SUMMERS LANE	162	7,249	1,959	3.70	0.083
Southern OR	KLAMATH FALLS	BRYANT	5L5	MOYINA HTS.	29	3,783	2,428	1.56	0.012
Southern OR	KLAMATH FALLS	CASEBEER SUB	4L16	LANGELL VLY	3,760	377,339	1,161	325.01	3.239
Southern OR	KLAMATH FALLS	CHILOQUIN	5L57	CRATER LAKE	3,959	843,692	1,050	803.52	3.770
Southern OR	KLAMATH FALLS	CHILOQUIN MARKET	5L37	WILLIAMSON	2,024	327,540	553	592.30	3.660
Southern OR	KLAMATH FALLS	DAIRY	5L42	SWAN LAKE	44	3,131	280	11.18	0.157
Southern OR	KLAMATH FALLS	DAIRY	5L43	DAIRY	1,980	48,402	473	102.33	4.186
Southern OR	KLAMATH FALLS	HAMAKER	5L55	KENO	490	100,699	1,695	59.41	0.289
Southern OR	KLAMATH FALLS	HAMAKER	5L56	MOUNTAIN	33	4,440	161	27.58	0.205
Southern OR	KLAMATH FALLS	HENLEY	5L58	HENLEY	858	37,667	235	160.28	3.651
Southern OR	KLAMATH FALLS	HENLEY	5L59	WEST	1,634	51,909	536	96.84	3.049
Southern OR	KLAMATH FALLS	HORNET	5L44	HOMEDALE	172	28,329	2,751	10.30	0.063
Southern OR	KLAMATH FALLS	HORNET	5L45	CRYSTAL SPR	669	59,618	1,476	40.39	0.453
Southern OR	KLAMATH FALLS	LAKEPORT	5L49	WOCUS	1	86	200	0.43	0.005

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Southern OR	KLAMATH FALLS	LAKEPORT	5L54	SOUTH (LAKEPORT)	2,696	116,682	2,404	48.54	1.121
Southern OR	KLAMATH FALLS	MERRILL (OR)	5L26	LAKE (MERRILL)	3,288	98,275	981	100.18	3.352
Southern OR	KLAMATH FALLS	MERRILL (OR)	5L27	NORTH (MERRILL)	1,744	118,776	555	214.01	3.142
Southern OR	KLAMATH FALLS	MODOC	5L36	MODOC	1,467	240,123	847	283.50	1.732
Southern OR	KLAMATH FALLS	ROSS AVENUE	5L46	ELDORADO	30	3,054	1,386	2.20	0.022
Southern OR	KLAMATH FALLS	ROSS AVENUE	5L48	BROAD ST.	109	10,686	1,193	8.96	0.091
Southern OR	KLAMATH FALLS	RUNNING Y	4L50	ROCKY POINT FEEDER (RUNNING Y)	2,986	400,697	1,444	277.49	2.068
Southern OR	KLAMATH FALLS	SHASTA WAY	7L25	SHASTA WAY	25	3,441	434	7.93	0.058
Southern OR	KLAMATH FALLS	SPRAGUE RIVER	5L8	SPRAGUE RIVER	753	59,400	504	117.86	1.494
Southern OR	KLAMATH FALLS	TEXUM	5L112	ANDERSON	105	11,591	1,197	9.68	0.088
Southern OR	KLAMATH FALLS	TEXUM	5L116	ALTAMONT	3,612	174,000	1,483	117.33	2.436
Southern OR	KLAMATH FALLS	TURKEY HILL	5L20	MALIN CITY	3,952	230,912	827	279.22	4.779
Southern OR	KLAMATH FALLS	TURKEY HILL	5L23	RURAL (TURKEY HILL)	1,069	28,145	321	87.68	3.330
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L12	ORINDALE	23	4,710	777	6.06	0.030
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L17	PINE ST (WEST SIDE HE PLANT)	25	6,219	502	12.39	0.050
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L18	RIVERSIDE (WEST SIDE HE PLANT)	1	65	585	0.11	0.002
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L19	LAKESHORE	475	76,976	301	255.73	1.578
Southern OR	LAKEVIEW	MILE-HI	5L104	INDUSTRIAL	183	41,720	719	58.03	0.255
Southern OR	LAKEVIEW	MILE-HI	5L105	BUSINESS	1,890	200,670	1,718	116.80	1.100
Southern OR	MEDFORD	ASHLAND (MTN.AVE, PUD)	5R241	CITY	2	760	13	58.43	0.154
Southern OR	MEDFORD	ASHLAND (MTN.AVE, PUD)	5R245	VALLEY VIEW	112	15,649	976	16.03	0.115
Southern OR	MEDFORD	BEALL LANE	5R361	BULLDOG	210	50,000	1,722	29.04	0.122
Southern OR	MEDFORD	BEALL LANE	5R364	BOBCAT	247	53,991	2,136	25.28	0.116
Southern OR	MEDFORD	BELKNAP	5R1	KOGAP	149	24,030	1,003	23.96	0.149
Southern OR	MEDFORD	BELKNAP	5R2	RIVERSIDE (BELKNAP)	670	25,923	663	39.10	1.011
Southern OR	MEDFORD	BELKNAP	5R3	BARNETT	169	39,638	1,627	24.36	0.104
Southern OR	MEDFORD	BELKNAP	5R47	STEWART	41	4,109	2,107	1.95	0.019
Southern OR	MEDFORD	BROOKHURST	5R118	SPRINGBROOK	168	10,034	1,840	5.45	0.091
Southern OR	MEDFORD	BROOKHURST	5R135	ROBERTS (BROOKHURST)	187	33,186	1,633	20.32	0.115
Southern OR	MEDFORD	BROOKHURST	5R32	ROXY	1,793	372,232	1,757	211.86	1.020
Southern OR	MEDFORD	BROOKHURST	5R33	CRATER LAKE	545	118,372	1,734	68.27	0.314
Southern OR	MEDFORD	BROOKHURST	5R75	SUNRISE (BROOKHURST)	52	4,755	1,246	3.82	0.042
Southern OR	MEDFORD	CAMPBELL	5R216	VOORHIES	17	943	844	1.12	0.020
Southern OR	MEDFORD	CAMPBELL	5R218	PHOENIX	99	18,656	1,511	12.35	0.066
Southern OR	MEDFORD	CAMPBELL	5R227	FERN VALLEY	137	25,764	1,324	19.46	0.103
Southern OR	MEDFORD	CAMPBELL	5R312	COBRA	1,939	235,101	1,432	164.18	1.354
Southern OR	MEDFORD	DODGE BRIDGE	4R1	SALMON	5,183	233,707	1,619	144.35	3.201
Southern OR	MEDFORD	DODGE BRIDGE	4R35	MEADOWS ROAD	3,455	240,087	1,370	175.25	2.522
Southern OR	MEDFORD	FOOTHILLS	5R38	HOSPITAL	401	87,635	767	114.26	0.523
Southern OR	MEDFORD	FOOTHILLS	5R39	PIERCE ROAD	277	58,970	1,156	51.01	0.240
Southern OR	MEDFORD	FRALEY	5R87	TABLE ROCK	1,075	146,136	512	285.42	2.100
Southern OR	MEDFORD	FRALEY	5R88	DODGE BRIDGE	832	54,389	365	149.01	2.279
Southern OR	MEDFORD	GOLD HILL	5R103	GOLD HILL	4,482	510,726	2,004	254.85	2.237

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Southern OR	MEDFORD	GRIFFIN CREEK	5R204	HULL RD	141	11,543	2,706	4.27	0.052
Southern OR	MEDFORD	GRIFFIN CREEK	5R206	GRIFFIN CREEK	2,332	214,401	1,742	123.08	1.339
Southern OR	MEDFORD	HUMBUG CREEK	5R287	HUMMINGBIRD	1,422	66,598	686	97.08	2.073
Southern OR	MEDFORD	MEDFORD	5R21	MELROSE	1,611	198,569	1,576	126.00	1.022
Southern OR	MEDFORD	MEDFORD	5R23	SPRING ST.	163	40,381	1,621	24.91	0.101
Southern OR	MEDFORD	MEDFORD	5R250	BIG Y	389	66,763	1,889	35.34	0.206
Southern OR	MEDFORD	MEDFORD	5R253	APPLE	20	502	1,107	0.45	0.018
Southern OR	MEDFORD	MEDFORD	5R257	PEAR	4	872	651	1.34	0.006
Southern OR	MEDFORD	MEDFORD	5R659	MCLEAN	31	2,352	675	3.48	0.046
Southern OR	MEDFORD	NEW JACKSONVILLE SUB-DIST	5R284	STAGE RD	2,994	221,391	2,064	107.26	1.451
Southern OR	MEDFORD	NEW JACKSONVILLE SUB-DIST	5R285	JACKSONVILLE HWY	706	139,619	2,159	64.67	0.327
Southern OR	MEDFORD	OAK KNOLL	5R55	SISKIYOU	1,283	210,475	1,489	141.35	0.862
Southern OR	MEDFORD	OAK KNOLL	5R56	HIGHWAY 99	10	2,294	118	19.44	0.085
Southern OR	MEDFORD	PROSPECT CENTRAL	5R40	NEW CASCADE	4	1,336	336	3.98	0.012
Southern OR	MEDFORD	RED BLANKET	7R5	PROSPECT	170	46,630	392	118.95	0.434
Southern OR	MEDFORD	ROXY ANN	5R350	St. Bernard	229	29,712	1,256	23.66	0.182
Southern OR	MEDFORD	ROXY ANN	5R354	RACCOON	362	88,442	1,518	58.26	0.238
Southern OR	MEDFORD	RUCH	5R68	APPLEGATE	1,393	152,659	920	165.93	1.514
Southern OR	MEDFORD	RUCH	5R69	RUCH	768	26,539	544	48.78	1.412
Southern OR	MEDFORD	SAGE ROAD (OR)	5R211	COLUMBUS	264	17,416	1,935	9.00	0.136
Southern OR	MEDFORD	SAGE ROAD (OR)	5R226	BOISE	5	661	913	0.72	0.005
Southern OR	MEDFORD	SAGE ROAD (OR)	5R27	MCANDREWS	114	14,206	113	125.72	1.009
Southern OR	MEDFORD	SAGE ROAD (OR)	5R28	ROSS	2,291	299,127	1,962	152.46	1.168
Southern OR	MEDFORD	SAGE ROAD (OR)	5R29	EDWARDS	772	95,555	752	127.07	1.027
Southern OR	MEDFORD	SCENIC	5R174	UPTON	173	31,986	1,996	16.02	0.087
Southern OR	MEDFORD	SCENIC	5R180	HEAD RD	1,220	54,877	1,180	46.51	1.034
Southern OR	MEDFORD	SCENIC	5R182	TAYLOR RD	1,918	258,793	1,597	162.05	1.201
Southern OR	MEDFORD	SCENIC	5R184	CHENEY	210	30,458	1,436	21.21	0.146
Southern OR	MEDFORD	STEVENS ROAD	4R13	HENRY MILLER	2,401	414,045	2,237	185.09	1.073
Southern OR	MEDFORD	STEVENS ROAD	4R17	Stingray	167	28,959	2,554	11.34	0.065
Southern OR	MEDFORD	STEVENS ROAD	4R41	ANTELOPE	399	74,333	1,134	65.55	0.352
Southern OR	MEDFORD	TAKELMA	4R9	LOST CK. (TAKELMA)	234	55,318	2,642	20.94	0.089
Southern OR	MEDFORD	TALENT	5R237	TALENT	454	143,339	2,461	58.24	0.184
Southern OR	MEDFORD	TALENT	5R238	ANDERSON CRK	2,513	420,303	1,714	245.22	1.466
Southern OR	MEDFORD	TALENT	5R239	HARTLEY ROAD	148	22,110	1,553	14.24	0.095
Southern OR	MEDFORD	TALENT	5R240	NORTH HWY	177	44,745	1,176	38.05	0.151
Southern OR	MEDFORD	TOLO	5R90	TBL ROCK LBR	280	38,283	161	237.78	1.739
Southern OR	MEDFORD	TOLO	5R91	SAMS VALLEY	1,907	365,338	647	564.67	2.947
Southern OR	MEDFORD	TOLO	5R92	KIRTLAND RD	224	29,062	199	146.04	1.126
Southern OR	MEDFORD	VILAS ROAD	5R110	MCLAUGHLIN	52	4,791	948	5.05	0.055
Southern OR	MEDFORD	VILAS ROAD	5R146	KING CENTER	1,626	425,795	1,408	302.41	1.155
Southern OR	MEDFORD	VILAS ROAD	5R305	WEBFOOT	218	21,951	793	27.68	0.275
Southern OR	MEDFORD	WHITE CITY	5R11	EAGLE POINT	248	62,159	1,477	42.08	0.168

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Southern OR	MEDFORD	WHITE CITY	5R13	FIR-PLY	-	-	22	-	-
Southern OR	MEDFORD	WHITE CITY	5R14	AGATE	239	12,846	108	118.94	2.213
Southern OR	MEDFORD	WHITE CITY	5R19	3M	18	5,758	108	53.31	0.167
Southern OR	MEDFORD	WHITE CITY	5R66	4 CORNERS	15	1,802	1,749	1.03	0.009
Southern OR	ROSEBURG/MYRTLECREEK	CANYONVILLE	5U46	CANYONVILLE	8	854	392	2.18	0.020
Southern OR	ROSEBURG/MYRTLECREEK	CANYONVILLE	5U52	BEALS CREEK FEEDER	2,370	298,873	891	335.44	2.660
Southern OR	ROSEBURG/MYRTLECREEK	CARNES	5U44	RND PRARIE	1,242	234,245	417	561.74	2.978
Southern OR	ROSEBURG/MYRTLECREEK	CLEARWATER #1 SUB	6U17	BRIGGS	4	679	2	339.35	2.000
Southern OR	ROSEBURG/MYRTLECREEK	CLEARWATER #2 SUB	6U33	CLEARWATER	194	40,266	97	415.11	2.000
Southern OR	ROSEBURG/MYRTLECREEK	CLOAKE	4U38	HARVARD	1,893	885,870	2,943	301.01	0.643
Southern OR	ROSEBURG/MYRTLECREEK	CLOAKE	4U39	GOEDECK	2,926	1,271,314	1,254	1,013.81	2.333
Southern OR	ROSEBURG/MYRTLECREEK	GARDEN VALLEY	4U80	EDENBOWER	837	160,068	812	197.13	1.031
Southern OR	ROSEBURG/MYRTLECREEK	GARDEN VALLEY	4U81	VALLEY	3,450	295,308	1,365	216.34	2.527
Southern OR	ROSEBURG/MYRTLECREEK	GLIDE SUBSTATION	5U83	IDLEYLD	2,726	227,334	994	228.71	2.742
Southern OR	ROSEBURG/MYRTLECREEK	GLIDE SUBSTATION	5U84	LITTLE RIVER	2,877	390,138	1,361	286.66	2.114
Southern OR	ROSEBURG/MYRTLECREEK	GREEN SUBSTATION	5U32	SAFARI	5,715	999,461	2,128	469.67	2.686
Southern OR	ROSEBURG/MYRTLECREEK	GREEN SUBSTATION	5U33	SUNNYSLOPE	1,659	287,912	1,631	176.52	1.017
Southern OR	ROSEBURG/MYRTLECREEK	ILLAHEE FLATS	6U13	ILLAHEE FLATS SINGLE PHASE RECLOSER	51	15,490	25	619.62	2.040
Southern OR	ROSEBURG/MYRTLECREEK	LEMOLO # 1	5U920	DIAMOND LAKE	1,083	258,700	182	1,421.43	5.951
Southern OR	ROSEBURG/MYRTLECREEK	MYRTLE CREEK	5U76	SUPER Y	656	123,893	1,540	80.45	0.426
Southern OR	ROSEBURG/MYRTLECREEK	MYRTLE CREEK	5U77	BOOMER HILL	407	50,968	2,302	22.14	0.177
Southern OR	ROSEBURG/MYRTLECREEK	OAKLAND (OR)	5U11	UMPQUA	3,126	327,729	1,313	249.60	2.381
Southern OR	ROSEBURG/MYRTLECREEK	OAKLAND (OR)	5U12	STAGECOACH	1,678	91,597	556	164.74	3.018
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE	5U1	TRI CITY	1,012	72,626	1,001	72.55	1.011
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE	5U2	COW CREEK	411	37,705	1,554	24.26	0.264
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE	5U3	HANNA	1	74	280	0.27	0.004
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE-VENEER	5U23	FORD MILL	-	-	1	-	-
Southern OR	ROSEBURG/MYRTLECREEK	RIDDLE-VENEER	5U50	RFP-LVL (EWP)	10	1,052	30	35.07	0.333
Southern OR	ROSEBURG/MYRTLECREEK	ROSEBURG	4U10	DIAMOND	684	62,457	2,497	25.01	0.274
Southern OR	ROSEBURG/MYRTLECREEK	ROSEBURG	4U22	DIXON	1,296	225,353	1,116	201.93	1.161
Southern OR	ROSEBURG/MYRTLECREEK	ROSEBURG	4U5	DOUGLAS	534	72,658	2,065	35.19	0.259
Southern OR	ROSEBURG/MYRTLECREEK	SOUTHGATE	4U30	SHADY POINT	153	33,373	1,583	21.08	0.097
Southern OR	ROSEBURG/MYRTLECREEK	SOUTHGATE	4U31	BOOTH	58	7,477	1,574	4.75	0.037
Southern OR	ROSEBURG/MYRTLECREEK	STEAMBOAT	6U18	STEAMBOAT	23	3,904	22	177.45	1.045
Southern OR	ROSEBURG/MYRTLECREEK	SUTHERLIN	5U35	NON-PAREIL	3,380	546,999	1,307	418.51	2.586
Southern OR	ROSEBURG/MYRTLECREEK	SUTHERLIN	5U36	DEADY	2,752	157,730	1,334	118.24	2.063
Southern OR	ROSEBURG/MYRTLECREEK	SUTHERLIN	5U56	Industrial	1,171	120,475	486	247.89	2.409
Southern OR	ROSEBURG/MYRTLECREEK	TILLER	5U89	JACKSON CRK	315	131,376	309	425.17	1.019
Southern OR	ROSEBURG/MYRTLECREEK	WINCHESTER	4U18	WILBUR	1,115	209,513	1,642	127.60	0.679
Southern OR	ROSEBURG/MYRTLECREEK	WINCHESTER	5U15	NEWTON CREEK	575	39,402	1,737	22.68	0.331
Southern OR	ROSEBURG/MYRTLECREEK	WINCHESTER	5U17	FISHER	353	69,835	763	91.53	0.463
Southern OR	ROSEBURG/MYRTLECREEK	WINCHESTER	5U19	EVANS	404	87,638	761	115.16	0.531
Southern OR	ROSEBURG/MYRTLECREEK	WINSTON	5U48	BROCKWAY	903	483,692	863	560.48	1.046

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Southern OR	ROSEBURG/MYRTLECREEK	WINSTON	5U49	DILLARD	2,385	951,471	1,461	651.25	1.632
Willamette Valley	ALBANY	HAZELWOOD	4M335	WEST HIGH	3,199	121,693	1,475	82.50	2.169
Willamette Valley	ALBANY	HAZELWOOD	4M336	RIVERVIEW (HAZELWOOD)	3,732	357,773	1,232	290.40	3.029
Willamette Valley	ALBANY	JEFFERSON (OR)	4M117	MARION	266	70,692	724	97.64	0.367
Willamette Valley	ALBANY	JEFFERSON (OR)	4M125	MINT	1,723	416,374	2,484	167.62	0.694
Willamette Valley	ALBANY	MURDER CREEK	4M243	SCRAVEL HILL	5,383	708,935	3,601	196.87	1.495
Willamette Valley	ALBANY	MURDER CREEK	4M245	RURAL NW	3,790	418,300	2,140	195.47	1.771
Willamette Valley	ALBANY	MURDER CREEK	4M249	DURA-PACIFIC	359	69,675	8	8,709.38	44.875
Willamette Valley	ALBANY	MURDER CREEK	4M250	INDUSTRIAL	56	13,986	1,218	11.48	0.046
Willamette Valley	ALBANY	OREMET	4M295	OAK CREEK	7	2,967	103	28.80	0.068
Willamette Valley	ALBANY	OREMET	4M296	ROGERSDALE	437	76,945	2,166	35.52	0.202
Willamette Valley	ALBANY	OREMET	5M19	OREMET	1	177	3	58.97	0.333
Willamette Valley	ALBANY	QUEEN AVE	4M217	SANTIAM	120	21,113	1,895	11.14	0.063
Willamette Valley	ALBANY	QUEEN AVE	4M258	HILL STREET	4,005	937,080	2,569	364.76	1.559
Willamette Valley	ALBANY	QUEEN AVE	4M261	WAVERLY	563	96,381	3,540	27.23	0.159
Willamette Valley	ALBANY	QUEEN AVE	4M262	GEARY STREET	307	44,676	2,744	16.28	0.112
Willamette Valley	ALBANY	VINE STREET	4M15	FERRY	87	7,765	1,801	4.31	0.048
Willamette Valley	ALBANY	VINE STREET	4M16	WATER STREET	5,146	843,173	4,078	206.76	1.262
Willamette Valley	CORVALLIS	BUCHANAN	4M130	HEWLETT PACKARD	107	6,703	2,693	2.49	0.040
Willamette Valley	CORVALLIS	BUCHANAN	4M133	PEORIA	1,377	284,266	2,452	115.93	0.562
Willamette Valley	CORVALLIS	BUCHANAN	4M134	N. NINTH ST.	861	154,180	2,581	59.74	0.334
Willamette Valley	CORVALLIS	CIRCLE BLVD	4M429	H. P. #5	1	60	1	60.03	1.000
Willamette Valley	CORVALLIS	DIXON	7M29	SECOND ST.	16	639	277	2.31	0.058
Willamette Valley	CORVALLIS	GRANT ST	4M265	HIGH SCHOOL	521	58,648	2,493	23.53	0.209
Willamette Valley	CORVALLIS	GRANT ST	4M266	CHINTIMINI	186	22,118	2,546	8.69	0.073
Willamette Valley	CORVALLIS	GRANT ST	4M268	KINGS ROAD	2,950	146,709	2,554	57.44	1.155
Willamette Valley	CORVALLIS	GRANT ST	4M269	29TH STREET	1,515	194,275	3,293	59.00	0.460
Willamette Valley	CORVALLIS	HILLVIEW	4M180	WEST HILLS	1,929	69,339	1,904	36.42	1.013
Willamette Valley	CORVALLIS	HILLVIEW	4M181	PHILOMATH	20	2,496	914	2.73	0.022
Willamette Valley	CORVALLIS	HILLVIEW	4M182	SUNSET	271	30,989	1,765	17.56	0.154
Willamette Valley	CORVALLIS	HILLVIEW	4M185	PLYMOUTH	74	10,538	1,988	5.30	0.037
Willamette Valley	CORVALLIS	MARYS RIVER	4M151	GREENBERRY	320	37,720	3,608	10.45	0.089
Willamette Valley	CORVALLIS	MARYS RIVER	4M152	AVERY	17	1,106	192	5.76	0.089
Willamette Valley	CORVALLIS	MARYS RIVER	4M153	GALLAGHER	14	3,389	159	21.32	0.088
Willamette Valley	COTTAGE GROVE/J.CITY	COBURG	4M220	DETERING	711	22,524	564	39.94	1.261
Willamette Valley	COTTAGE GROVE/J.CITY	GOSHEN (OR)	4M360	GOSHEN FDR	6,564	296,811	1,613	184.01	4.069
Willamette Valley	COTTAGE GROVE/J.CITY	HARRISBURG SUB	4M400	TERRITORIAL	4,378	363,850	1,842	197.53	2.377
Willamette Valley	COTTAGE GROVE/J.CITY	JUNCTION CITY	4M102	6TH STREET	1,436	105,305	1,157	91.02	1.241
Willamette Valley	COTTAGE GROVE/J.CITY	JUNCTION CITY	4M99	PRAIRIE ROAD	1,596	87,907	994	88.44	1.606
Willamette Valley	COTTAGE GROVE/J.CITY	LANCASTER	4M209	MONROE	4,634	762,270	1,089	699.97	4.255
Willamette Valley	COTTAGE GROVE/J.CITY	VILLAGE GREEN	4M84	NORTH SIDE	608	76,784	2,364	32.48	0.257
Willamette Valley	COTTAGE GROVE/J.CITY	VILLAGE GREEN	4M86	MADISON	67	7,284	1,595	4.57	0.042
Willamette Valley	DALLAS/INDEPENDENCE	DALLAS	4M100	RURAL (DALLAS)	18,061	903,346	4,699	192.24	3.844

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Willamette Valley	DALLAS/INDEPENDENCE	DALLAS	4M201	INDUSTRIAL	2,975	158,927	27	5,886.19	#####
Willamette Valley	DALLAS/INDEPENDENCE	DALLAS	4M202	ELLENDALE	10,637	522,642	2,906	179.85	3.660
Willamette Valley	DALLAS/INDEPENDENCE	DALLAS	4M238	DALLAS	5,851	457,159	2,281	200.42	2.565
Willamette Valley	DALLAS/INDEPENDENCE	INDEPENDENCE	4M22	RICKREAL	316	61,430	3,293	18.65	0.096
Willamette Valley	DALLAS/INDEPENDENCE	INDEPENDENCE	4M25	BUENA VISTA	656	97,054	1,983	48.94	0.331
Willamette Valley	LEBANON	BROWNSVILLE	4M17	CALAPOOIA	2,793	242,344	1,701	142.47	1.642
Willamette Valley	LEBANON	CALAPOOYA	4M850	SPAULDING	1,206	50,471	1,091	46.26	1.105
Willamette Valley	LEBANON	CALAPOOYA	4M851	BEAR	31	1,119	31	36.10	1.000
Willamette Valley	LEBANON	CROWFOOT	4M204	CROWFOOT	4,197	289,270	1,514	191.06	2.772
Willamette Valley	LEBANON	CROWFOOT	4M206	US PLYWOOD (LEBANON)	2,393	118,811	1,872	63.47	1.278
Willamette Valley	LEBANON	LEBANON	4M61	TANGENT	5,832	356,808	2,543	140.31	2.293
Willamette Valley	LEBANON	LEBANON	4M62	RALSTON	6,140	411,613	2,002	205.60	3.067
Willamette Valley	LEBANON	LEBANON	4M63	TENNESSEE	4,012	542,999	1,792	303.01	2.239
Willamette Valley	LEBANON	LEBANON	4M79	CROWN Z	1,317	44,316	1,138	38.94	1.157
Willamette Valley	LEBANON	SWEET HOME	4M37	HOLLEY	2,742	139,946	2,007	69.73	1.366
Willamette Valley	LEBANON	SWEET HOME	4M38	NARROWS	1,769	235,732	970	243.02	1.824
Willamette Valley	LEBANON	SWEET HOME	4M93	AMES CREEK	2,276	132,279	1,694	78.09	1.344
Willamette Valley	LEBANON	SWEET HOME	4M94	FOSTER	5,507	543,793	2,377	228.77	2.317
Willamette Valley	STAYTON	LYONS	4M120	MILL CITY	1,919	664,825	725	917.00	2.647
Willamette Valley	STAYTON	LYONS	4M70	MEHAMA	3,455	1,370,707	2,133	642.62	1.620
Willamette Valley	STAYTON	SCIO	5M126	THOMAS	2,943	458,389	1,566	292.71	1.879
Willamette Valley	STAYTON	STAYTON	4M19	AUMSVILLE	1,299	161,387	3,185	50.67	0.408
Willamette Valley	STAYTON	STAYTON	4M353	WEST STAYTON	5,082	1,024,855	3,466	295.69	1.466
Willamette Valley	STAYTON	STAYTON	4M370	CASCADE	523	86,134	1,588	54.24	0.329
Willamette Valley	STAYTON	STAYTON	4M50	3RD STREET	116	14,101	914	15.43	0.127

Oregon 2018 Circuit Metrics (Zero Outage Circuits)

Reliability Region	Op Area Name	Substation Name	Circuit Id	Circuit Name	Kv	Customer Count	SAIDI	SAIFI
CoastPlus	PORTLAND	ALBINA	5P91	11C11-UG	11.7	321	0	0
CoastPlus	PORTLAND	ALDERWOOD 115/12.5	5P22	ALDERWOOD #2	12.5	201	0	0
CoastPlus	PORTLAND	HOLLADAY (OR)	5P145	HOLLADAY #1-UG	11.7	203	0	0
CoastPlus	PORTLAND	HOLLADAY (OR)	5P146	HOLLADAY #2-UG	11.7	343	0	0
CoastPlus	PORTLAND	HOLLADAY (OR)	5P147	HOLLADAY #3-UG	11.7	165	0	0
CoastPlus	PORTLAND	HOLLADAY (OR)	5P157	HOLLADAY #5-UG	11.7	139	0	0
CoastPlus	PORTLAND	KNOTT	5P366	11010	11.7	6	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P418	11D17	11.7	136	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P420	11D14	11.7	23	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P422	11D06-UG	11.7	543	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P424	11D03-UG	11.7	1	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P426	11D04-UG	11.7	320	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P430	11D05-UG	11.7	368	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P432	11D02-UG	11.7	475	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P434	11D12-UG	11.7	15	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P436	11G18-UG	11.7	102	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P438	11D08-UG	11.7	17	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P456	11D09-UG	11.7	184	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P458	11D07-UG	11.7	218	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P460	11D01-UG	11.7	1	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P462	11G13-UG	11.7	33	0	0
CoastPlus	PORTLAND	LINCOLN (OR)	5P464	11G16-UG	11.6	171	0	0
Northeast	PENDLETON	WESTON NEW (OR)	5W40	WESTON CANNERY	12.5	16	0	0
Southern OR	KLAMATH FALLS	LAKEPORT	5L61	JELDWEN	12.5	7	0	0
Southern OR	KLAMATH FALLS	TEXUM	5L113	TOWER	12.5	284	0	0
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L15	CALIFORNIA	12.5	1,356	0	0
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	5L16	MAIN ST (WEST SIDE HE PLANT	12.5	111	0	0
Southern OR	KLAMATH FALLS	WEST SIDE HE PLANT	8L10	CITY WTR PMP	2.4	1	0	0
Southern OR	MEDFORD	BEALL LANE	5R359	BEEHIVE	12.5	2	0	0
Southern OR	MEDFORD	MEDCO	5R280	BOISE CASCADE	12.5	1	0	0
Southern OR	MEDFORD	PROSPECT 3 HE PLANT	5R290	P-3 FOREBAY	12.5	1	0	0
Southern OR	MEDFORD	SAGE ROAD (OR)	5R209	TIMBER PROD	12.5	1	0	0
Southern OR	MEDFORD	WHITE CITY	5R12	INDUSTRIAL	12.5	33	0	0
Southern OR	MEDFORD	WHITE CITY	5R76	AVE C	12.5	78	0	0
Southern OR	ROSEBURG/MYRTLECREEK	CLOAKE	4U37	RUSA	20.8	1	0	0
Southern OR	ROSEBURG/MYRTLECREEK	SLIDE CREEK	6U76	SLIDE CREEK CAMP	7.2	4	0	0
Southern OR	ROSEBURG/MYRTLECREEK	SODA SPRINGS HE PLT	6U1	DRY CREEK	7.2	1	0	0
Southern OR	ROSEBURG/MYRTLECREEK	TOKETEE	8U12	TOKETEE CITY	2.4	19	0	0
Willamette Valley	ALBANY	MURDER CREEK	5M131	WAH CHANG SOUTH	12.5	1	0	0
Willamette Valley	CORVALLIS	CIRCLE BLVD	4M394	H. P. #1	20.8	1	0	0
Willamette Valley	CORVALLIS	CIRCLE BLVD	4M427	H. P. #3	20.8	1	0	0
Willamette Valley	CORVALLIS	DIXON	7M26	FOURTH ST.	4.1	235	0	0

Vegetation Management

OREGON

Tree Program Reporting

Report as of December 31, 2018

Distribution Four Year Cycle 1/1/2016-12/31/2019

	Total	Current Year Reporting					Total Cycle Reporting			
	Total Line Miles	1/1/2018-12/31/2018	1/1/2018-12/31/2018	1/1/2018-12/31/2018	1/1/2018-12/31/2018	1/1/2016 through end of cycle	1/1/2016 through end of cycle	1/1/2016 through end of cycle	1/1/2016 through end of cycle	
		Miles Planned	Actual Miles	Ahead/Behind	% Ahead/Behind	Miles Planned	Miles Actual	Ahead/Behind	% Ahead/Behind	
column a	column b	column c	column d	column e	column f	column g	column h	column i		
Oregon	14,012	3,636	3,665	29	100.8%	10,440	10,459	17	100.2%	
ALBANY	536	214	214	0	100.0%	402	531	129	132.1%	
CORVALLIS	303	0		0	#DIV/0!	227	80	-147	35.2%	
COTTAGE GROVE	52	52	52	0	100.0%	39	52	13	133.3%	
DALLAS	411	0	0	0	#DIV/0!	308	176	-132	57.1%	
JUNCTION CITY	155	155	155	0	100.0%	116	155	39	133.6%	
LEBANON	700	129	130	1	100.8%	525	485	-40	92.4%	
LINCOLN CITY	165	81	81	0	100.0%	124	117	-7	94.4%	
STAYTON	444	55	55	0	100.0%	333	438	105	131.5%	
COOS BAY	649	172	174	2	101.2%	487	525	38	107.8%	
GRANTS PASS	1,637	375	369	-6	98.4%	1,228	1,180	-48	96.1%	
ROSEBURG	1,201	193	227	34	117.6%	901	827	-74	91.8%	
KLAMATH FALLS	1,851	416	416	0	100.0%	1,388	1,414	26	101.9%	
LAKEVIEW	75	0	0	0	2.0%	56	39	-17	69.6%	
MEDFORD	1,897	451	451	0	100.0%	1,423	1,400	-23	98.4%	
CENTRAL OREGON	1,347	427	445	18	104.2%	1,010	1,108	98	109.7%	
CLATSOP	375	132	139	7	105.3%	281	366	85	130.2%	
ENTERPRISE	434	117	117	0	100.0%	326	322	-4	98.8%	
HERMISTON	257	127	130	3	102.4%	193	245	52	126.9%	
HOOD RIVER	308	89	92	3	103.4%	231	203	-28	87.9%	
PENDLETON	630	205	205	0	100.0%	493	493	0	100.0%	
PORTLAND	450	195	179	-16	91.8%	225	179	-46	79.6%	
WALLA WALLA	135	51	34	-17	66.7%	124	124	0	98.1%	

Portland has 450 miles this year and 436 last year. Portland is on a two year cycle which causes us to do two cycles in a four year period.

Distribution cycle \$/tree:* \$82.39
 Distribution cycle \$/mile: \$3,844
 Distribution cycle removal %* 27%

Transmission

Total Line Miles	Line Miles Scheduled	Line Miles Worked	Miles Ahead(behind) Schedule	% of miles on/behind Schedule
2,948	170	202	32	119%

Notes:

Column a: Total overhead pole miles by district

Column b: Total overhead pole miles planned for the period January 1, 2018 through December 31, 2018

Column c: Actual overhead pole miles worked during the period January 1 2018 through December 31, 2018

Column d: Miles ahead or behind for the period January 1, 2018 through December 31, 2018 (column c-column b)

Column e: Percent of actual compared to planned for the period January 1, 2018 through December 31 ((column c÷b)×100)

Column f: Total overhead pole miles planned for the period January 1, 2016 through end of cycle

Column g: Actual overhead pole miles worked during the period January 1 2016 through end of cycle

Column h: Miles ahead or behind for the period January 1, 2016 through end of cycle (column g-column f)

Column i: Percent of actual compared to planned for the period January 1, 2016 through end of cycle ((column g÷f)×100).

* Conversion calculation for sq ft of brush to a tree was changed in 2014 from 10 sq ft of brush = 1 tree to 100 sq ft of brush = 1 tree.

OREGON
Tree Program Reporting (C)

	2018 est.	2019 est.	2020 est.	2021 est.	2022 est.	2023 est.
Distribution Tree Budget	18,678,267	18,678,267	18,678,267	18,678,267	18,678,267	18,678,267
Transmission Tree Budget	2,539,820	2,539,820	2,539,820	2,539,820	2,539,820	2,539,820
Total Tree Budget	\$ 21,218,087	\$ 21,218,087	\$ 21,218,087	\$ 21,218,087	\$ 21,218,087	\$ 21,218,087

	2012	2013	2014	2015	2016	2017
Distribution Tree Actuals	16,995,719	18,251,251	23,191,320	21,923,393	17,489,336	18,646,639
Transmission Tree Actuals	3,734,977	4,363,149	2,370,822	2,355,070	3,745,786	2,660,821
Total Tree Actuals	\$ 20,730,696	\$ 22,614,400	\$ 25,562,142	\$ 24,278,463	\$ 21,235,122	\$ 21,307,460

	Distribution			Transmission		
	Actuals	Budget	Variance	Actuals	Budget	Variance
Calendar year 2018						
Jan	\$ 926,777	1,419,856	\$ (493,079)	\$ 101,511	\$ 187,016	\$ (85,505)
Feb	\$ 1,720,623	1,562,465	\$ 158,158	\$ 208,798	\$ 212,719	\$ (3,921)
Mar	\$ 1,906,168	1,705,074	\$ 201,094	\$ 141,595	\$ 238,423	\$ (96,828)
Apr	\$ 1,955,699	1,562,465	\$ 393,234	\$ 187,459	\$ 212,719	\$ (25,260)
May	\$ 1,827,919	1,562,465	\$ 265,454	\$ 240,911	\$ 212,719	\$ 28,192
Jun	\$ 1,549,025	1,633,770	\$ (84,745)	\$ 374,731	\$ 225,571	\$ 149,160
Jul	\$ 1,420,073	1,419,856	\$ 217	\$ 347,319	\$ 187,016	\$ 160,303
Aug	\$ 1,531,360	1,705,074	\$ (173,714)	\$ 151,336	\$ 238,423	\$ (87,087)
Sep	\$ 1,269,986	1,562,465	\$ (292,479)	\$ 192,372	\$ 212,719	\$ (20,347)
Oct	\$ 1,516,478	1,562,465	\$ (45,987)	\$ 280,558	\$ 212,719	\$ 67,839
Nov	\$ 1,501,477	1,419,856	\$ 81,621	\$ 232,535	\$ 187,016	\$ 45,519
Dec	\$ 1,377,126	\$ 1,562,456	\$ (185,330)	\$ 68,879	\$ 212,760	\$ (143,881)
Total	\$ 18,502,712	\$ 18,678,267	\$ (175,555)	\$ 2,528,003	\$ 2,539,820	\$ (11,817)

Average # Tree Crews on Property (YTD)

63

INSPECTION AND MAINTENANCE PROGRAMS

Inspection and Repairs

In Calendar Year 2018 (January 01 through December 31, 2018), among distribution and transmission facilities (both overhead and underground), 2,381 'A' Priority conditions were recorded and 1,959 were corrected.

For 'B' priority conditions, 15,503 were identified and 15,103 were corrected in CY2018.

For 'C' priority conditions, 59 were corrected in CY2018. Reporting of 'C' priority conditions was terminated early 2014, however some are still occasionally entered into the inspection system inadvertently. 62 were identified in 2018 and these will be reviewed and reprioritized as required.

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 CY2018, 41,784 Distribution, 1,805 Local Transmission and 8,583 Main Grid Transmission Detail inspections were performed. Detail inspections were performed on 11.71% of the total 445,607 overhead facilities.
- 35,487 Distribution poles, 1,238 Local Transmission poles and 2,824 Main Grid Transmission poles were Tested and Treated. Test and Treatment was performed on 8.9% of the total 445,607 overhead facilities.
- PacifiCorp replaced or reinforced 1,066 poles that were rejected through the Test and Treat inspection program. The CY2018 rejection rate was 2.8%.

A. Visual Inspections (Safety Patrols)

The company performs visual inspection (or safety patrols) of the Distribution and Transmission system on a 2-year cycle. In CY2018, 203,676 Distribution, 16,721 Local Transmission and 19,995 Main Grid inspections were performed for a total of 240,389 inspections which equates to 53.9% 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 CY2018, 11,649 inspections were performed; 10.23% of 113,885 underground facilities.

C. Marina Inspection Program

The inspection of marinas is annual. In CY2018, 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 (Safety Patrol); therefore, inspection requirements have been met for Reclosers, Sectionalizers and Regulators and Switches.

SUBSTATION MAINTENANCE PROGRAMS

A. 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 276 substation and communication facilities in Oregon. PacifiCorp performed 98.82% of the planned substation security inspections, within the required 45 day interval in CY2018.

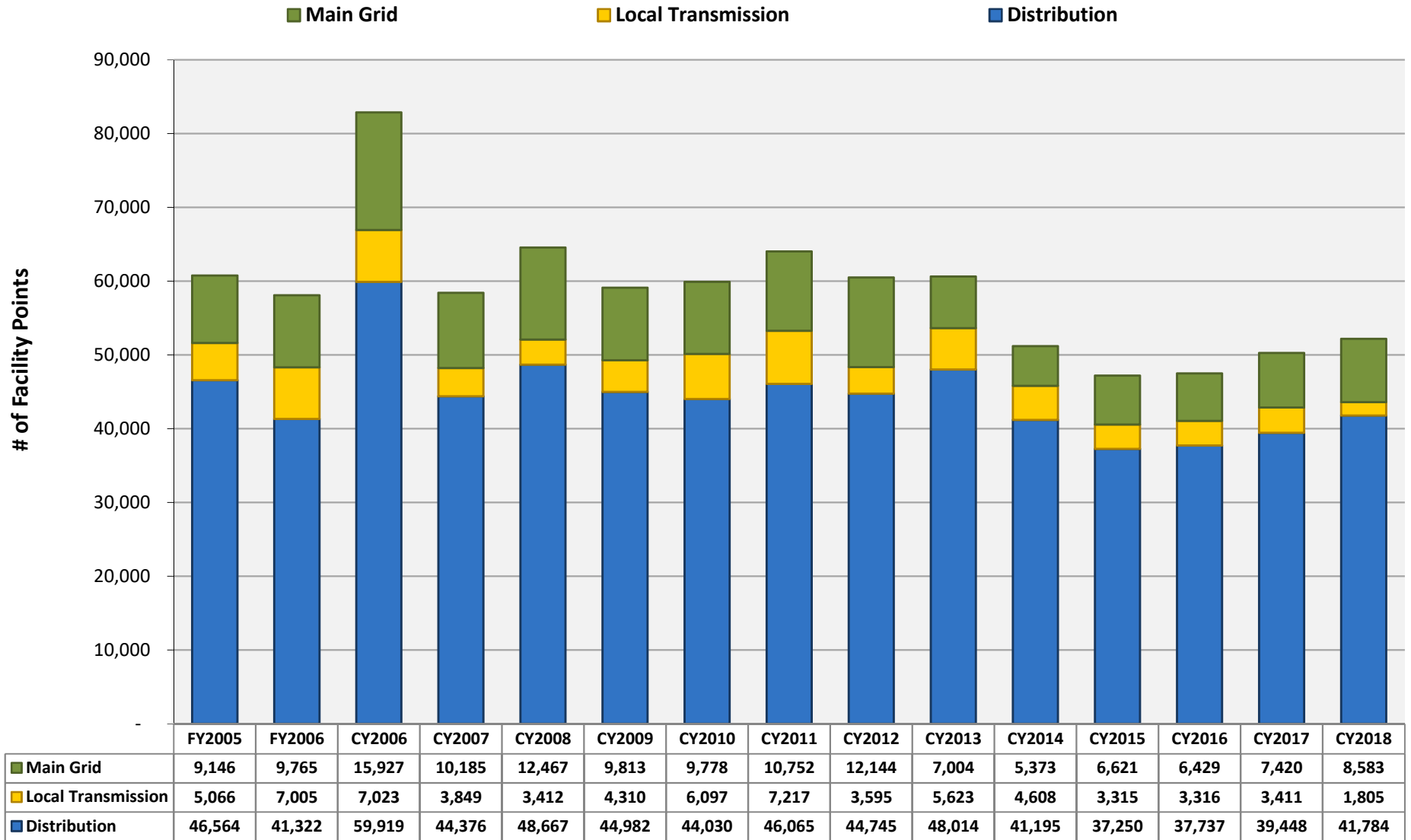
C. Substation Equipment Inspections

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.

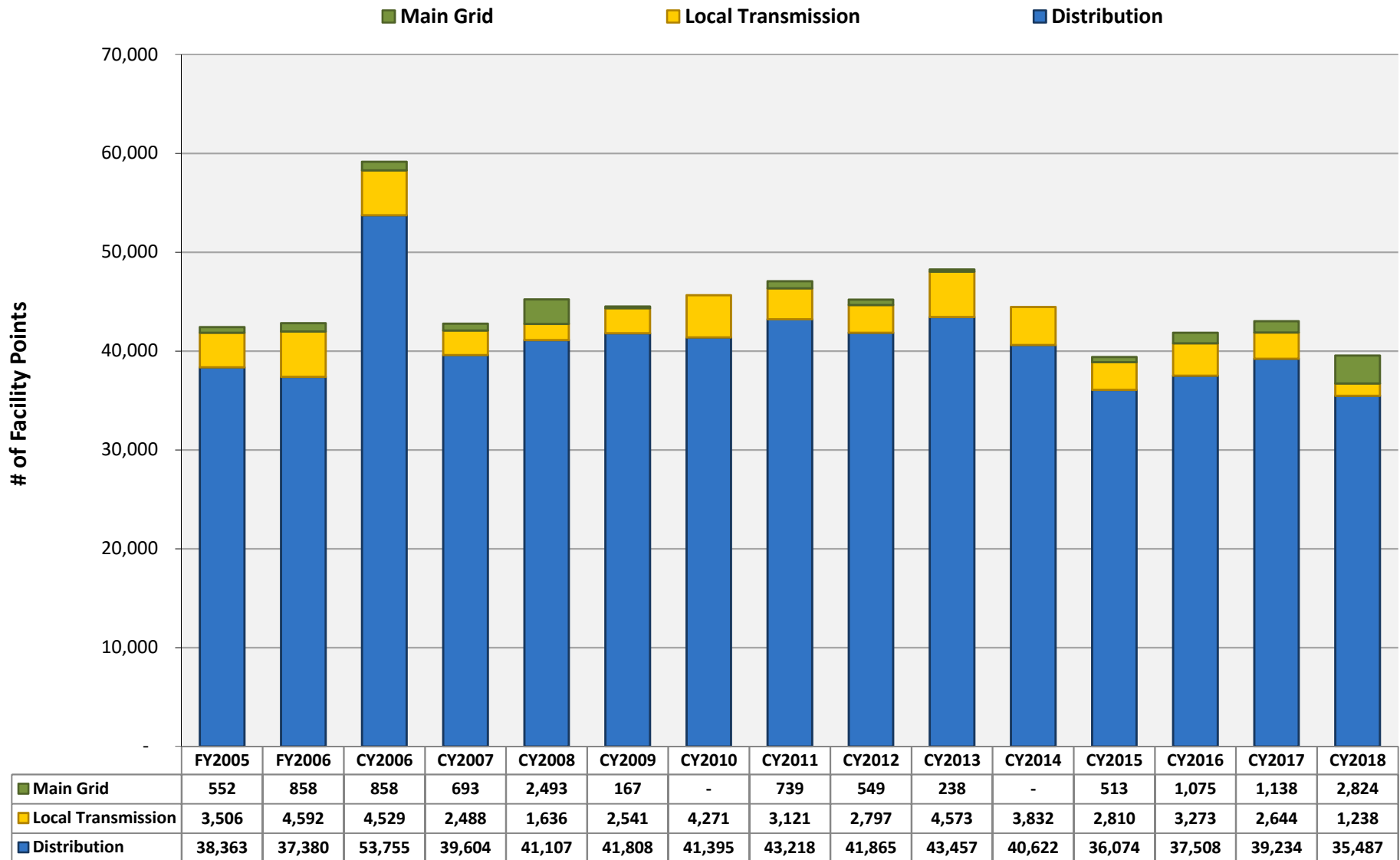
Reference PacifiCorp Maintenance Policy 034 - Substation Inspection Policy and form 3274F-Substation Inspection.

PacifiCorp performed 98.82% of the planned substation equipment inspections, within the required 45 day interval in Oregon in CY2018.

CY2018 Overhead Detail Inspection History

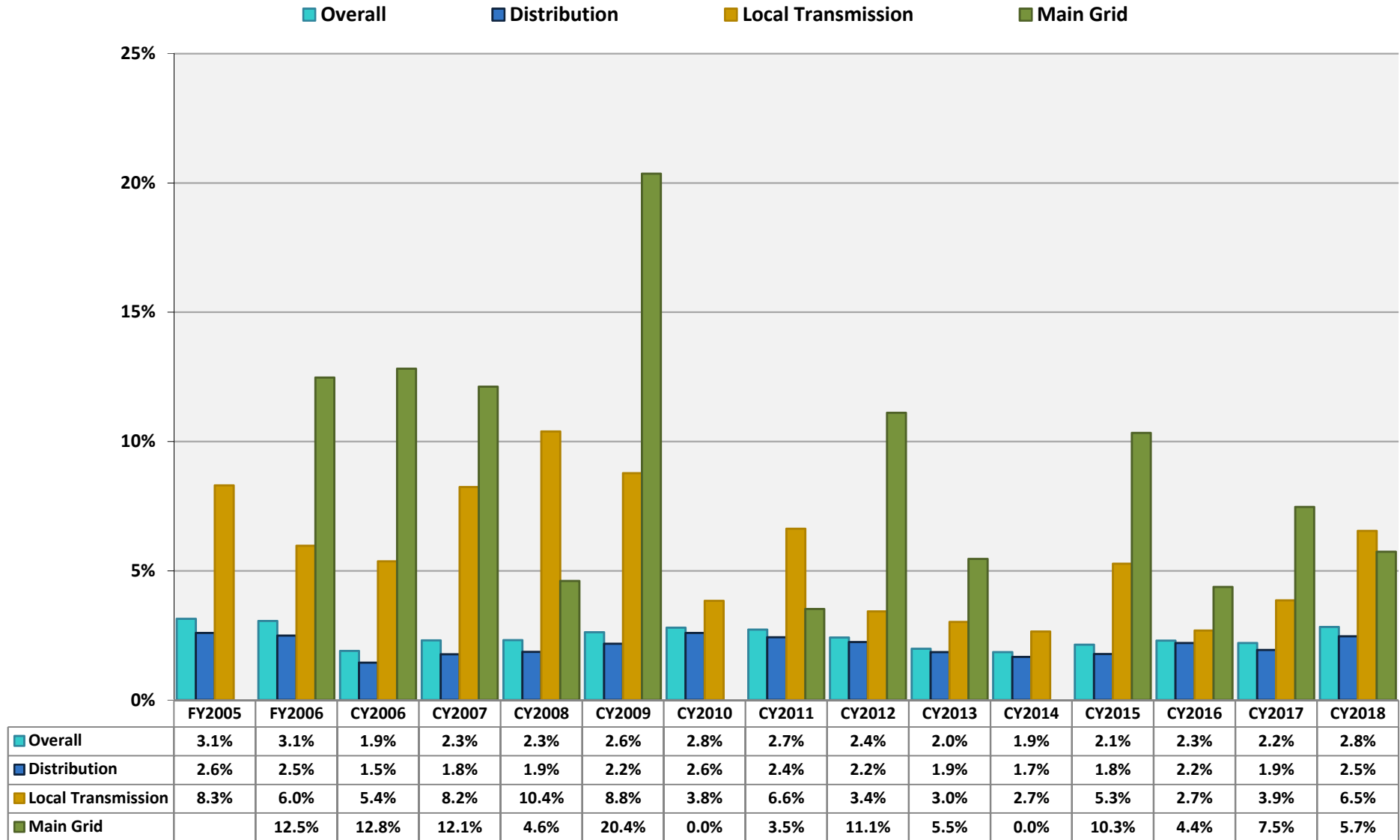


CY2018 Pole Test and Treat History



Includes intrusive and physical testing

CY2018 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	\$2,346,474	\$2,352,496
	Detail	520	\$0	\$0
Transmission	T&T	843,883	\$383,769	\$386,747
	Detail	840,880	\$175,166	\$238,434
Total			\$2,905,409	\$2,977,677

Pole Replacements			ACTUALS	BUDGET
Distribution			\$6,540,691	\$4,996,876
Transmission			\$4,970,749	\$3,038,074
Total			\$11,511,440	\$8,034,950

Repair and Replace Facilities			ACTUALS	BUDGET
Distribution	500, 501, 502, 503, 504, 505, 509, 518, 526, 527, 595, 624, 625, 626, 905		\$13,297,662	\$13,277,347
Transmission	845, 847, 846, 865, 884, 886, 848, 889		\$358,489	\$248,090
Total			\$13,656,152	\$13,525,436

Visual Inspections (Includes Equipment Inspections)			ACTUALS	BUDGET
Distribution		521	\$355,670	\$375,227
Transmission		841,881	\$205,543	\$202,199
Total			\$561,213	\$577,426

Underground Inspections			ACTUALS	BUDGET
Distribution		508	\$350,022	\$331,321
Total			\$350,022	\$331,321

Substation Maintenance			ACTUALS	BUDGET
Distribution Preventative Maintenance			\$1,521,336	\$1,682,113
Distribution Corrective Maintenance			\$1,380,407	\$1,187,903
Transmission Preventative Maintenance			\$1,516,220	\$1,744,492
Transmission Corrective Maintenance			\$727,571	\$970,248
Total			\$5,145,534	\$5,584,755