

**OREGON STATE**  
**Damage Prevention Report**

2020 – Quarter 2



Previous Report: May 13, 2020  
Report Date: September 08, 2020  
Report By: Lynsay Demko – Cascade Natural Gas, Public Awareness & Damage Prevention

## **Data Disclaimers**

- Not all facility operator/owners are submitting their damage information.
- Not all facility operator/owners are submitting their damage information to the Oregon State Portal in CGA DIRT. CGA only allows us permission to access data submitted to the Oregon State Portal.
- Some facility operator/owners do not submit until the year end (up until March of following year).
- Inaccurate Root Cause Selections, including heavy use of the “other” category.

## Risk by County

Zone	County	Insufficient Locating Practices				Total Damages		In Bound Locate Requests			Out Bound Locate Requests			
		Total Damages	In Bound Damages per 1,000	Risk Rank	Out Bound Damages per 1,000	Risk Rank	Total Damages	Risk Rank	Total Locates	Damages per 1,000	Risk Rank	Total Locates	Damages per 1,000	Risk Rank
5	OR-Malheur	0	-		-		6	17	965	6.22	1	4,207	1.43	1
3	OR-Douglas	5	1.07	2	0.20	2	27	6	4,656	5.80	2	25,072	1.08	2
1	OR-Marion	11	0.92	4	0.16	3	56	4	11,997	4.67	3	67,345	0.83	6
3	OR-Klamath	2	0.67	5	0.12	6	14	9	3,006	4.66	4	16,584	0.84	5
3	OR-Josephine	1	0.32	14	0.07	10	14	10	3,093	4.53	5	13,790	1.02	3
1	OR-Clatsop	2	1.29	1	0.21	1	7	16	1,553	4.51	6	9,555	0.73	7
4	OR-Wasco	0	-		-		4	20	1,007	3.97	7	4,543	0.88	4
3	OR-Jackson	3	0.36	11	0.05	14	32	5	8,389	3.81	8	55,982	0.57	11
1	OR-Polk	1	0.27	15	0.04	15	13	12	3,706	3.51	9	22,254	0.58	10
1	OR-Clackamas	19	0.92	3	0.15	4	70	3	20,671	3.39	10	125,913	0.56	12
5	OR-Umatilla	1	0.34	12	0.06	13	10	14	2,956	3.38	11	16,710	0.60	8
1	OR-Multnomah	20	0.60	7	0.10	8	112	1	33,295	3.36	12	202,791	0.55	13
4	OR-Jefferson	0	-		-		3	22	996	3.01	13	5,840	0.51	15
1	OR-Yamhill	3	0.65	6	0.12	5	13	11	4,581	2.84	14	24,674	0.53	14
1	OR-Washington	13	0.50	9	0.07	9	71	2	26,124	2.72	15	173,548	0.41	19
2	OR-Benton	1	0.32	13	0.06	12	8	15	3,089	2.59	16	16,629	0.48	17
5	OR-Union	0	-		-		3	21	1,198	2.50	17	5,094	0.59	9
2	OR-Linn	3	0.57	8	0.12	7	11	13	5,294	2.08	18	25,167	0.44	18
5	OR-Morrow	0	-		-		2	24	987	2.03	19	4,108	0.49	16
4	OR-Hood River	0	-		-		2	23	1,013	1.97	20	5,795	0.35	22
1	OR-Columbia	0	-		-		4	19	2,081	1.92	21	10,508	0.38	20
2	OR-Lane	1	0.08	16	0.02	16	23	7	12,213	1.88	22	64,193	0.36	21
2	OR-Lincoln	1	0.42	10	0.07	11	4	18	2,376	1.68	23	14,388	0.28	24
4	OR-Deschutes	1	0.08	17	0.01	17	21	8	12,758	1.65	24	70,410	0.30	23
4	OR-Crook	0	-		-		1	25	1,242	0.81	25	6,526	0.15	25
3	OR-Coos	0	-		-		1	26	1,901	0.53	26	9,349	0.11	26
5	OR-Baker	0	-		-		0		1,055	0.00		5,165	0.00	
1	OR-Tillamook	0	-		-		0		1,101	0.00		6,577	0.00	
3	OR-Curry	0	-		-		0		738	0.00		3,120	0.00	
3	OR-Lake	0	-		-		0		453	0.00		1,002	0.00	
4	OR-Sherman	0	-		-		0		229	0.00		732	0.00	
5	OR-Gilliam	0	-		-		0		168	0.00		530	0.00	
5	OR-Wheeler	0	-		-		0		125	0.00		386	0.00	
5	OR-Wallowa	0	-		-		0		268	0.00		607	0.00	
5	OR-Grant	0	-		-		0		312	0.00		1,388	0.00	
5	OR-Harney	0	-		-		0		291	0.00		970	0.00	
	<b>Grand Total</b>	<b>88</b>	<b>0.50</b>		<b>0.09</b>		<b>532</b>		<b>175,887</b>	<b>3.02</b>		<b>1,021,452</b>	<b>0.52</b>	

## Risk by Area

Zone	Area	Insufficient Locating Practices					Total Damages		In Bound Locate Requests			Out Bound Locate Requests		
		Total Damages	In Bound Damages per 1,000	Risk Rank	Out Bound Damages per 1,000	Risk Rank	Total Damages	Risk Rank	Total Locates	Damages per 1,000	Risk Rank	Total Locates	Damages per 1,000	Risk Rank
3	09-Douglas	5	1.07	1	0.20	1	27	4	4,656	5.80	1	25,072	1.08	2
5	19-Malheur	0	0.00		0.00		6	13	1,256	4.78	2	5,177	1.16	1
1	03-Mid-Willamette	12	0.76	2	0.13	2	69	2	15,703	4.39	3	89,599	0.77	4
3	12-Klamath	2	0.58	5	0.11	5	14	7	3,459	4.05	4	17,586	0.80	3
3	11-Rogue Basin	4	0.35	9	0.06	10	46	3	11,482	4.01	5	69,772	0.66	6
4	14-Wasco Co.	0	0.00		0.00		4	15	1,236	3.24	6	5,275	0.76	5
1	02-Metro	52	0.65	4	0.10	6	253	1	80,090	3.16	7	502,252	0.50	10
1	04-Yamhill	3	0.65	3	0.12	3	13	8	4,581	2.84	8	24,674	0.53	8
5	16-Umatilla, Morrow Gilliam Co	1	0.24	11	0.05	11	12	9	4,236	2.83	9	21,734	0.55	7
2	06-Linn-Benton	1	0.32	10	0.06	9	8	12	3,089	2.59	10	16,629	0.48	11
1	01-N Coast	2	0.42	7	0.08	7	11	11	4,735	2.32	11	26,640	0.41	13
2	07-East Linn	3	0.57	6	0.12	4	11	10	5,294	2.08	12	25,167	0.44	12
5	17-Union County	0	0.00		0.00		3	16	1,466	2.05	13	5,701	0.53	9
4	13-Hood River	0	0.00		0.00		2	17	1,013	1.97	14	5,795	0.35	15
2	08-Lane	1	0.08	12	0.02	12	23	6	12,213	1.88	15	64,193	0.36	14
2	05-Lincoln Co.	1	0.42	8	0.07	8	4	14	2,376	1.68	16	14,388	0.28	17
4	15-Central OR	1	0.07	13	0.01	13	25	5	14,996	1.67	17	82,776	0.30	16
3	10-S Coast	0	0.00		0.00		1	18	2,639	0.38	18	12,469	0.08	18
5	18-Baker	0	0.00		0.00		0	19	1,367	-	19	6,553	-	19
	<b>Grand Total</b>	<b>88</b>	<b>0.50</b>		<b>0.09</b>		<b>532</b>		<b>175,887</b>	<b>3.02</b>		<b>1,021,452</b>	<b>0.52</b>	

## Damage Root Cause by County

Zone	County	No Notification Made to One-Call Center/811	Insufficient One-Call/811 Notification Practices	Insufficient Excavation Practices	Insufficient Locating Practices	Other	Grand Total
1	OR-Clatsop	2	0	3	2	0	7
1	OR-Columbia	2	1	1	0	0	4
1	OR-Tillamook	0	0	0	0	0	0
1	OR-Clackamas	16	1	34	19	0	70
1	OR-Multnomah	33	0	57	20	2	112
1	OR-Washington	21	2	34	13	1	71
1	OR-Marion	19	0	25	11	1	56
1	OR-Polk	6	2	4	1	0	13
1	OR-Yamhill	3	0	7	3	0	13
2	OR-Lincoln	1	0	2	1	0	4
2	OR-Benton	2	0	5	1	0	8
2	OR-Linn	6	1	1	3	0	11
2	OR-Lane	12	0	9	1	1	23
3	OR-Douglas	8	2	10	5	2	27
3	OR-Coos	1	0	0	0	0	1
3	OR-Curry	0	0	0	0	0	0
3	OR-Jackson	11	1	14	3	3	32
3	OR-Josephine	9	0	2	1	2	14
3	OR-Klamath	4	0	6	2	2	14
3	OR-Lake	0	0	0	0	0	0
4	OR-Hood River	0	0	2	0	0	2
4	OR-Sherman	0	0	0	0	0	0
4	OR-Wasco	1	0	3	0	0	4
4	OR-Crook	1	0	0	0	0	1
4	OR-Deschutes	16	0	4	1	0	21
4	OR-Jefferson	0	0	2	0	1	3
5	OR-Gilliam	0	0	0	0	0	0
5	OR-Morrow	1	0	1	0	0	2
5	OR-Umatilla	5	0	4	1	0	10
5	OR-Wheeler	0	0	0	0	0	0
5	OR-Union	2	0	1	0	0	3
5	OR-Wallowa	0	0	0	0	0	0
5	OR-Baker	0	0	0	0	0	0
5	OR-Grant	0	0	0	0	0	0
5	OR-Harney	0	0	0	0	0	0
5	OR-Malheur	3	1	2	0	0	6
	<b>Grand Total</b>	<b>185</b>	<b>11</b>	<b>233</b>	<b>88</b>	<b>15</b>	<b>532</b>

## Damage Root Cause by Area

Zone	Area	No Notification Made to One-Call Center/811	Insufficient One-Call/811 Notification Practices	Insufficient Excavation Practices	Insufficient Locating Practices	Other	Grand Total
1	01-N Coast	4	1	4	2	0	11
1	02-Metro	70	3	125	52	3	253
1	03-Mid-Willamette	25	2	29	12	1	69
1	04-Yamhill	3	0	7	3	0	13
2	05-Lincoln Co.	1	0	2	1	0	4
2	06-Linn-Benton	2	0	5	1	0	8
2	07-East Linn	6	1	1	3	0	11
2	08-Lane	12	0	9	1	1	23
3	09-Douglas	8	2	10	5	2	27
3	10-S Coast	1	0	0	0	0	1
3	11-Rogue Basin	20	1	16	4	5	46
3	12-Klamath	4	0	6	2	2	14
4	13-Hood River	0	0	2	0	0	2
4	14-Wasco Co.	1	0	3	0	0	4
4	15-Central OR	17	0	6	1	1	25
5	16-Umatilla, Morrow Gilliam Co	6	0	5	1	0	12
5	17-Union County	2	0	1	0	0	3
5	18-Baker	0	0	0	0	0	0
5	19-Malheur	3	1	2	0	0	6
	<b>Grand Total</b>	<b>185</b>	<b>11</b>	<b>233</b>	<b>88</b>	<b>15</b>	<b>532</b>

Figure 1 – Incoming Locate Ticket Requests by County

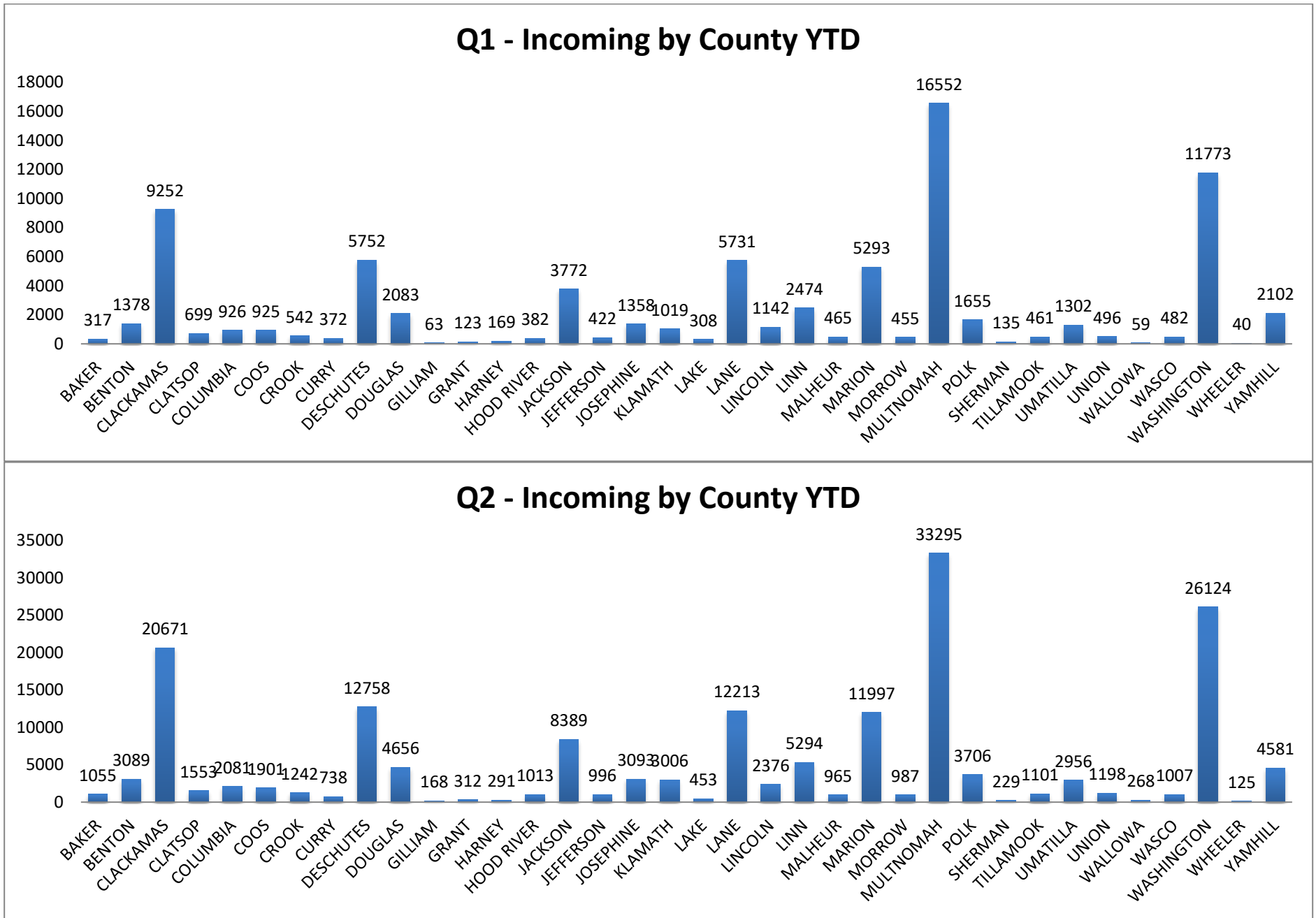
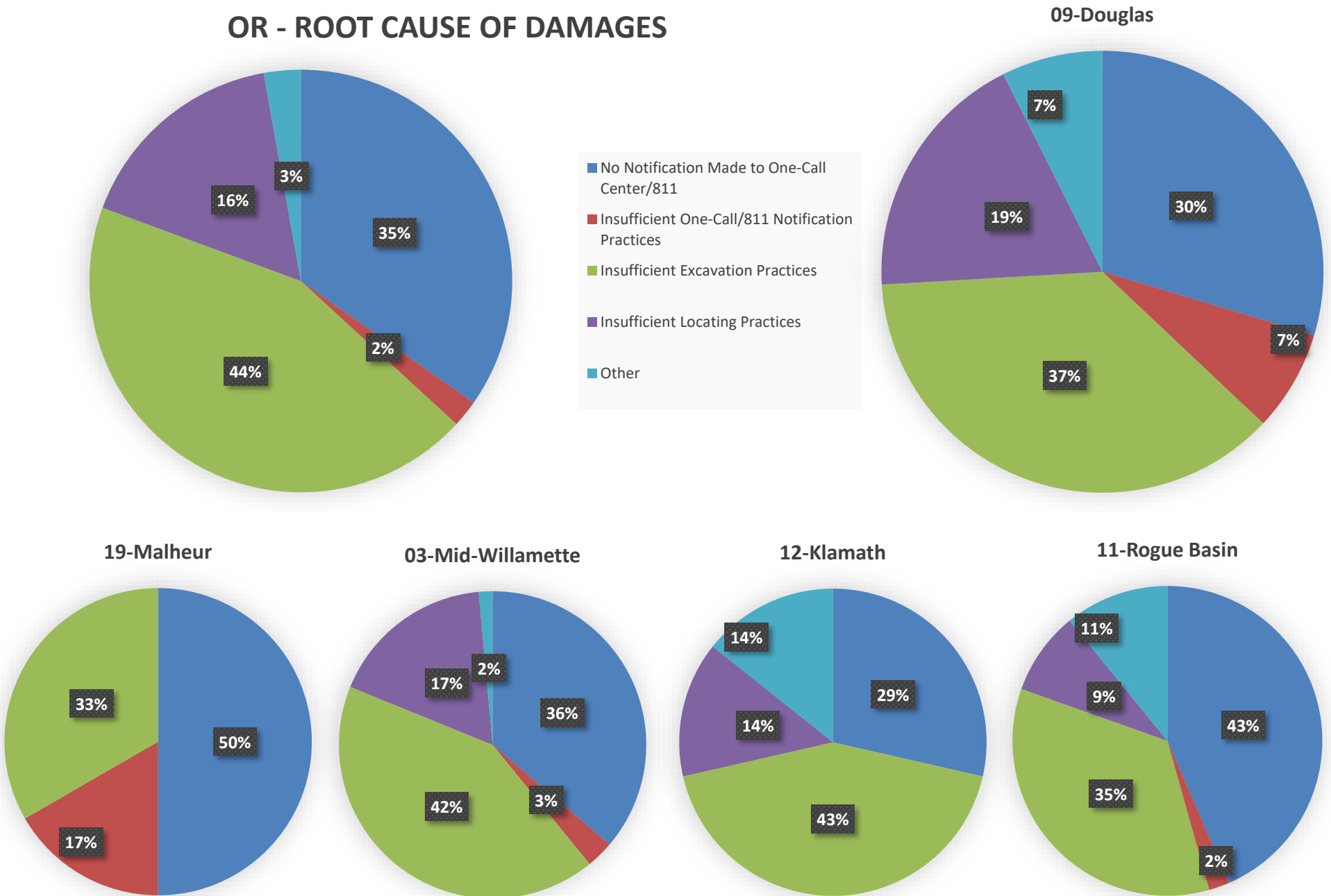


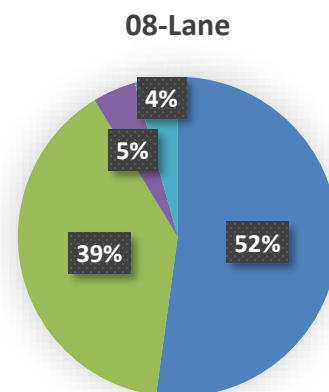
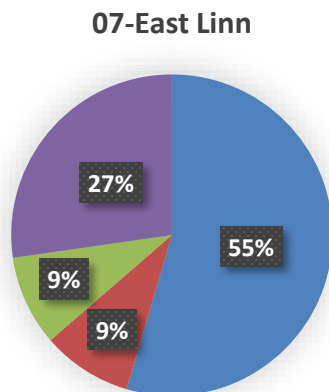
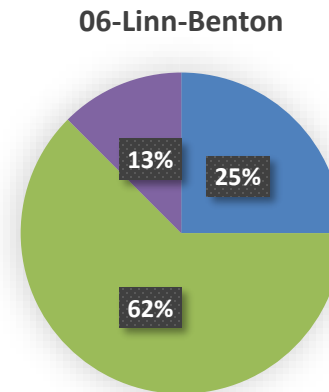
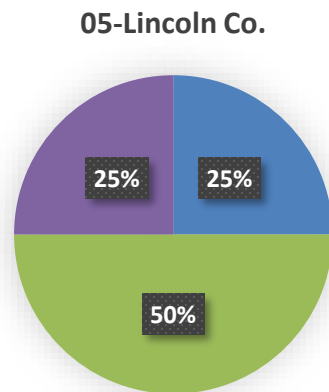
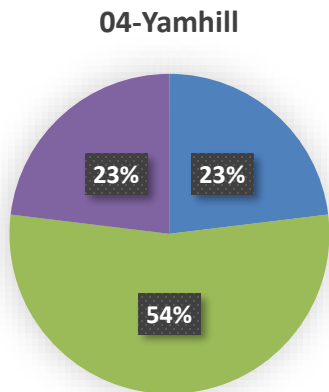
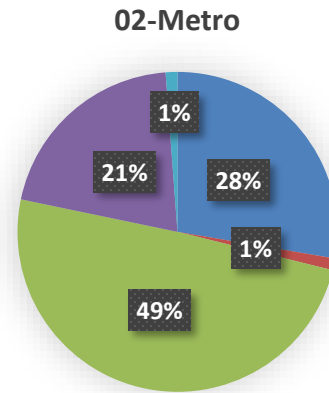
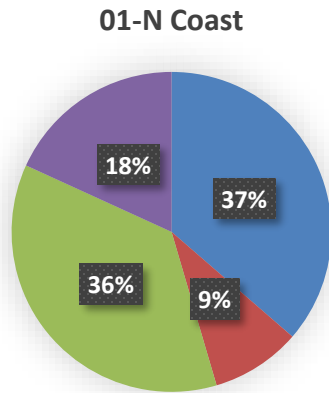
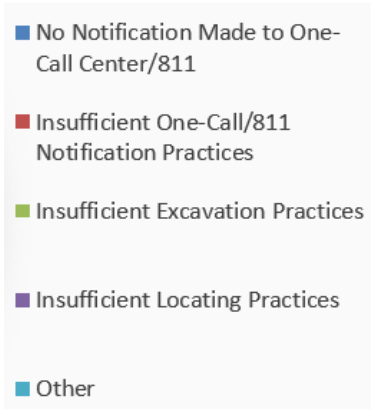
Figure 2 – Damages by Root Cause – Top 5 Damage Areas (determined by damages per 1,000 in bound locate ticket requests)

### OR - ROOT CAUSE OF DAMAGES



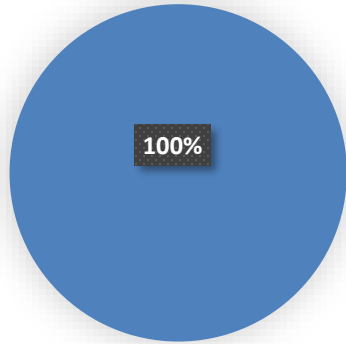


**Figure 3 – Damages by Root Cause – Remaining Areas (by damages per 1,000 in bound locate ticket requests)**

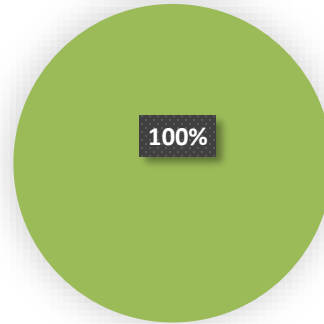


- No Notification Made to One-Call Center/811
- Insufficient One-Call/811 Notification Practices
- Insufficient Excavation Practices
- Insufficient Locating Practices
- Other

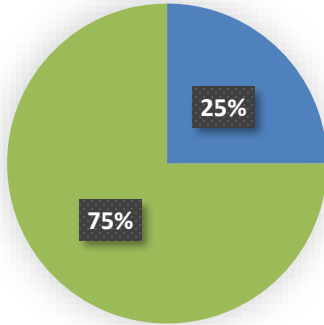
**10-S Coast**



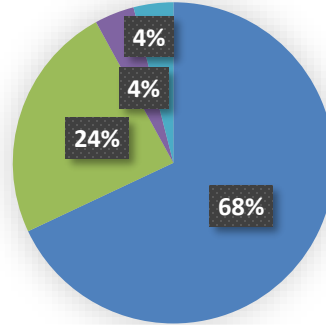
**13-Hood River**



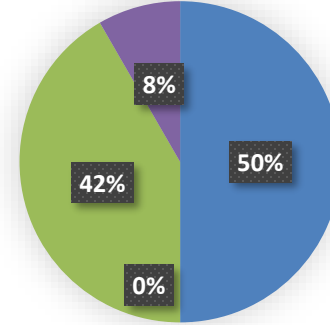
**14-Wasco Co.**



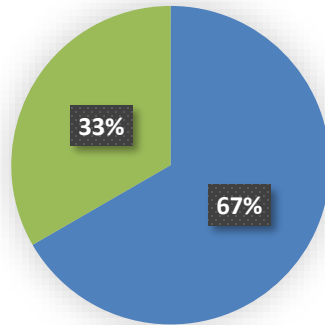
**15-Central OR**



**16-Umatilla, Morrow Gilliam Co**



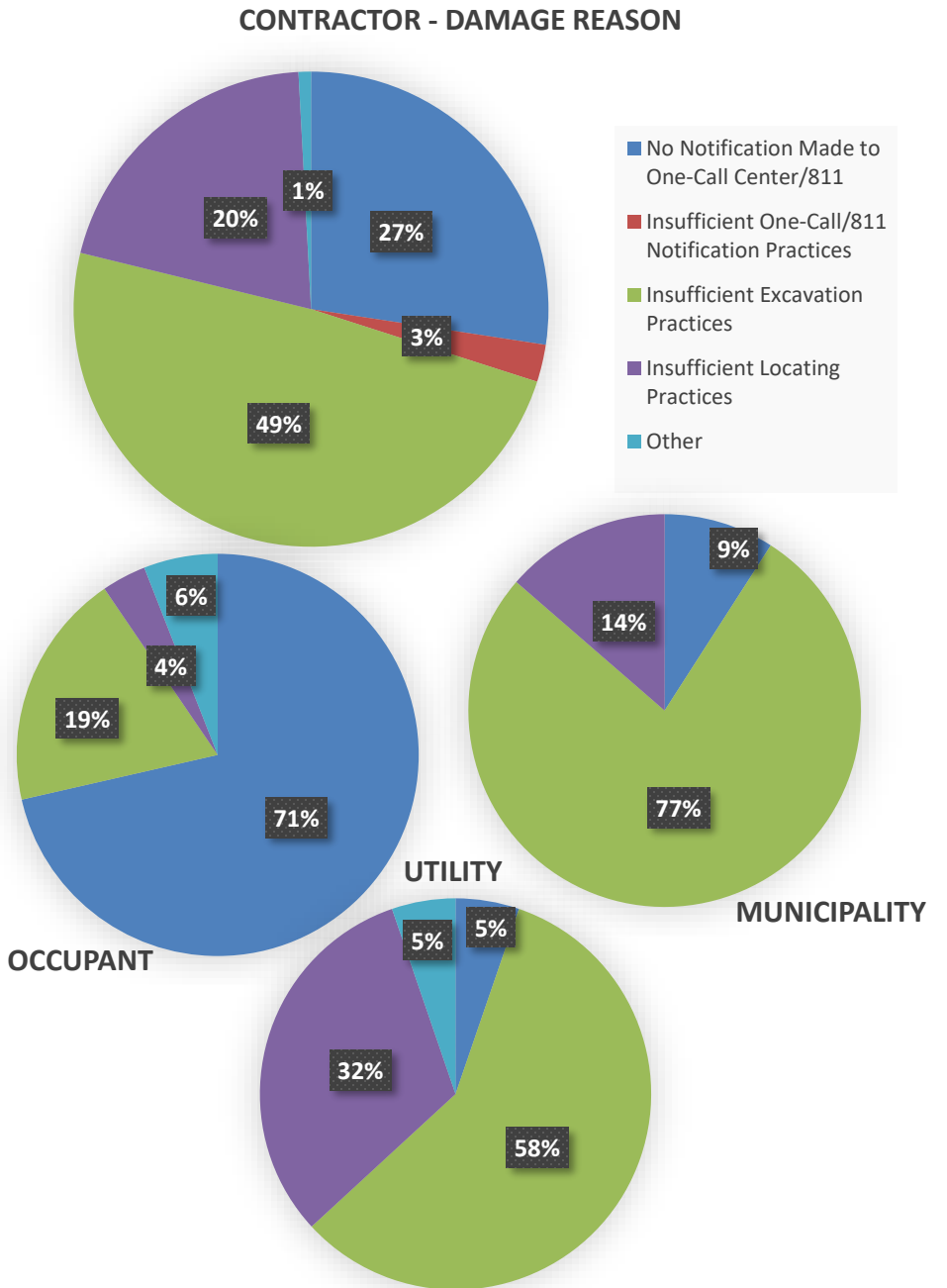
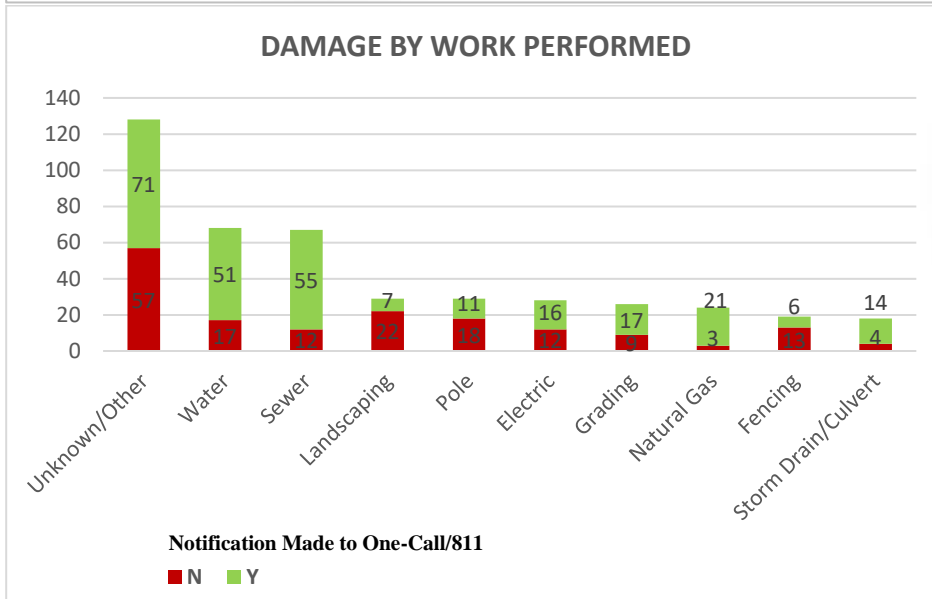
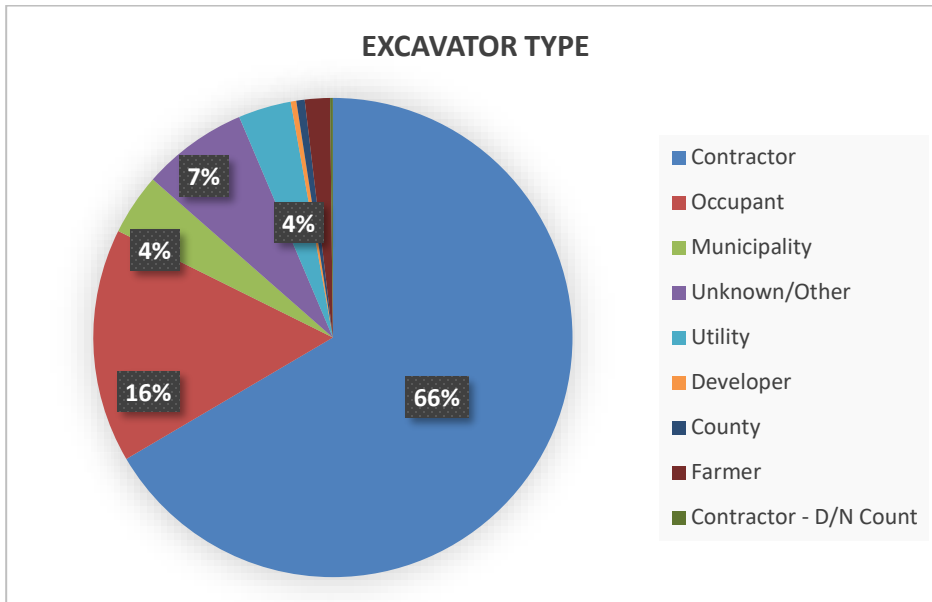
**17-Union County**



**18-Baker**

**NO DAMAGES**

Figure 4 – Damages by Excavator Type and Work Performed



**Figure 5 – Facility Type Damaged and Insufficient Locating Practices Breakdown**

<b>FACILITY DAMAGED</b>		
<b>Facility Damaged</b>	<b>Total Damages</b>	<b>Total Damage Percentage</b>
Natural Gas	397	75%
Electric	96	18%
Cable TV	33	6%
Water	4	1%
Telecommunications	1	0%
Steam	1	0%
<b>Grand Total</b>	<b>532</b>	

<b>FACILITY DAMAGED - ROOT CAUSE INSUFFICIENT LOCATING PRACTICES</b>		
<b>Facility Damaged</b>	<b>Total Damages</b>	<b>Total Damage Percentage</b>
Natural Gas	55	63%
Electric	22	25%
Cable TV	9	10%
Telecommunications	1	1%
Steam	1	1%
<b>Grand Total</b>	<b>88</b>	

<b>FACILITY DAMAGED - ROOT CAUSE INSUFFICIENT LOCATING - DESCRIPTION</b>										
<b>Facility Damaged</b>	<b>Marked inaccurately due to Locator error</b>	<b>Marked inaccurately due to Tracer wire issue</b>	<b>Marked inaccurately due to Abandoned Facility</b>	<b>Not marked due to Locator error</b>	<b>Not marked due to Incorrect facility records/maps</b>	<b>Site marked but incomplete at damage location</b>	<b>Unlocatable facility</b>	<b>No response from operator/contract locator</b>	<b>Not marked due to Tracer wire issue</b>	<b>Grand Total</b>
Cable TV	0	0	0	8	0	0	0	1	0	9
Electric	1	0	0	13	3	2	1	1	1	22
Natural Gas	31	1	0	6	14	3	0	0	0	55
Steam	0	0	0	1	0	0	0	0	0	1
Telecommunications	0	0	1	0	0	0	0	0	0	1
<b>Grand Total</b>	<b>32</b>	<b>1</b>	<b>1</b>	<b>28</b>	<b>17</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>88</b>