

OREGON STATE
Damage Prevention Report

2019 Year End



Previous Report: December 11, 2019
Report Date: May 13, 2020
Report By: Lynsay Demko – Cascade Natural Gas, Public Awareness & Damage Prevention

Risk by County

Zone	County	Insufficient Locating Practices					Damages		In Bound Locate Requests			Out Bound Locate Requests		
		Total	In Bound Damages per 1,000	Risk Rank	Out Bound Damages per 1,000	Risk Rank	Total	Risk Rank	Total	Damages per 1,000	Risk Rank	Total	Damages per 1,000	Risk Rank
3	OR-Jackson	9	0.55	13	0.08	16	74	5	16,407	4.51	1	112,806	0.66	7
3	OR-Josephine	2	0.37	19	0.08	18	24	10	5,432	4.42	2	26,483	0.91	2
1	OR-Marion	24	1.02	6	0.18	5	102	4	23,634	4.32	3	135,147	0.75	3
5	OR-Union	1	0.46	16	0.11	12	9	19	2,191	4.11	4	9,516	0.95	1
1	OR-Washington	82	1.61	1	0.24	1	204	2	50,934	4.01	5	341,242	0.60	12
1	OR-Clackamas	40	0.99	7	0.16	7	155	3	40,208	3.85	6	247,936	0.63	10
1	OR-Clatsop	2	0.64	11	0.10	13	12	17	3,146	3.81	7	19,941	0.60	11
3	OR-Douglas	3	0.33	20	0.06	20	34	8	8,965	3.79	8	51,046	0.67	6
2	OR-Lincoln	2	0.44	17	0.07	19	17	13	4,503	3.78	9	27,088	0.63	9
1	OR-Columbia	2	0.50	15	0.10	14	15	14	3,997	3.75	10	20,416	0.73	4
1	OR-Multnomah	76	1.10	3	0.19	4	259	1	69,131	3.75	11	407,856	0.64	8
2	OR-Lane	27	1.23	2	0.23	2	68	6	21,932	3.10	12	117,230	0.58	13
1	OR-Yamhill	8	0.88	8	0.16	8	28	9	9,076	3.09	13	50,138	0.56	14
5	OR-Malheur	1	0.61	12	0.14	10	5	20	1,648	3.03	14	7,194	0.70	5
1	OR-Polk	4	0.53	14	0.09	15	21	12	7,525	2.79	15	45,563	0.46	19
3	OR-Klamath	1	0.18	21	0.03	21	15	15	5,558	2.70	16	29,053	0.52	17
4	OR-Hood River	2	1.04	5	0.17	6	5	22	1,928	2.59	17	11,641	0.43	21
4	OR-Wasco	0	-	22	-	22	5	21	1,953	2.56	18	8,996	0.56	15
5	OR-Morrow	0	-	23	-	23	3	25	1,216	2.47	19	5,781	0.52	16
4	OR-Deschutes	11	0.43	18	0.08	17	62	7	25,522	2.43	20	140,528	0.44	20
2	OR-Linn	7	0.72	9	0.14	9	23	11	9,736	2.36	21	49,696	0.46	18
2	OR-Benton	4	0.66	10	0.12	11	14	16	6,057	2.31	22	34,262	0.41	22
5	OR-Umatilla	0	-	24	-	24	10	18	4,906	2.04	23	29,060	0.34	24
4	OR-Crook	0	-	25	-	25	5	23	2,534	1.97	24	14,177	0.35	23
3	OR-Coos	4	1.06	4	0.22	3	5	24	3,773	1.33	25	18,081	0.28	25
4	OR-Jefferson	0	-	26	-	26	2	26	1,721	1.16	26	9,642	0.21	26
5	OR-Baker	0	-	27	-	27	1	27	1,740	0.57	27	8,411	0.12	27
1	OR-Tillamook	0	-	28	-	28	0	28	2,119	0.00	28	12,749	0.00	28
3	OR-Curry	0	-	29	-	29	0	29	1,455	0.00	29	6,325	0.00	29
3	OR-Lake	0	-	30	-	30	0	30	577	0.00	30	1,850	0.00	30
4	OR-Sherman	0	-	31	-	31	0	31	343	0.00	31	1,136	0.00	31
5	OR-Gilliam	0	-	32	-	32	0	32	325	0.00	32	1,092	0.00	32
5	OR-Wheeler	0	-	33	-	33	0	33	198	0.00	33	592	0.00	33
5	OR-Wallowa	0	-	34	-	34	0	34	299	0.00	34	802	0.00	34
5	OR-Grant	0	-	35	-	35	0	35	547	0.00	35	2,277	0.00	35
5	OR-Harney	0	-	36	-	36	0	36	429	0.00	36	1,744	0.00	36
	Grand Total	312	0.91		0.16		1177		341,665	3.44		2,007,497	0.59	

Risk by Area

Zone	Area	Insufficient Locating Practices					Damages		In Bound Locate Requests			Out Bound Locate Requests		
		Total	In Bound Damages per 1,000	Risk Rank	Out Bound Damages per 1,000	Risk Rank	Total	Risk Rank	Total	Damages per 1,000	Risk Rank	Total	Damages per 1,000	Risk Rank
3	11-Rogue Basin	11	0.50	9	0.08	11	98	3	21,839	4.49	1	139,289	0.70	2
1	03-Mid-Willamette	28	0.90	4	0.15	6	123	2	31,159	3.95	2	180,710	0.68	3
1	02-Metro	198	1.24	1	0.20	2	618	1	160,273	3.86	3	997,034	0.62	6
3	09-Douglas	3	0.33	15	0.06	15	34	6	8,965	3.79	4	51,046	0.67	4
2	05-Lincoln Co.	2	0.44	11	0.07	13	17	10	4,503	3.78	5	27,088	0.63	5
5	17-Union County	1	0.40	13	0.10	10	9	14	2,490	3.61	6	10,318	0.87	1
2	08-Lane	27	1.23	2	0.23	1	68	5	21,932	3.10	7	117,230	0.58	7
1	04-Yamhill	8	0.88	5	0.16	5	28	7	9,076	3.09	8	50,138	0.56	9
1	01-N Coast	4	0.43	12	0.08	12	27	8	9,262	2.92	9	53,106	0.51	10
4	13-Hood River	2	1.04	3	0.17	3	5	17	1,928	2.59	10	11,641	0.43	14
3	12-Klamath	1	0.16	16	0.03	16	15	11	6,135	2.44	11	30,903	0.49	12
5	19-Malheur	1	0.48	10	0.11	9	5	15	2,077	2.41	12	8,938	0.56	8
2	07-East Linn	7	0.72	7	0.14	7	23	9	9,736	2.36	13	49,696	0.46	13
4	15-Central OR	11	0.37	14	0.07	14	69	4	29,777	2.32	14	164,347	0.42	15
2	06-Linn-Benton	4	0.66	8	0.12	8	14	12	6,057	2.31	15	34,262	0.41	16
4	14-Wasco Co.	0	0.00	17	0.00	17	5	16	2,296	2.18	16	10,132	0.49	11
5	16-Umatilla, Morrow Gilliam Co	0	0.00	18	0.00	18	13	13	6,645	1.96	17	36,525	0.36	17
3	10-S Coast	4	0.77	6	0.16	4	5	18	5,228	0.96	18	24,406	0.20	18
5	18-Baker	0	0.00	19	0.00	19	1	19	2,287	0.44	19	10,688	0.09	19
	Grand Total	312	0.91		0.16		1177		341,665	3.44		2,007,497	0.59	

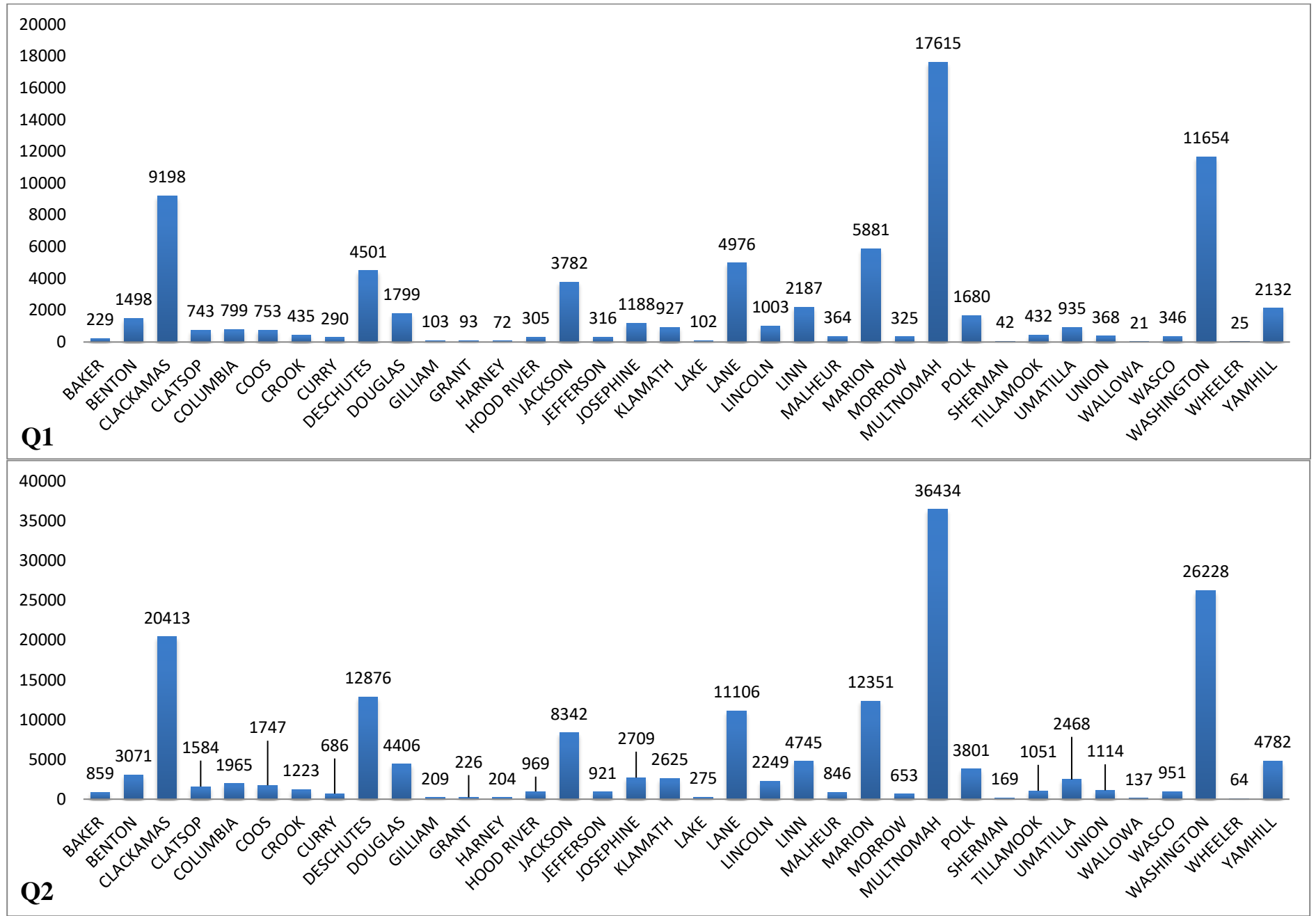
Damage Root Cause by County

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	6	0	4	2	0	12
1	OR-Columbia	2	0	10	2	1	15
1	OR-Tillamook	0	0	0	0	0	0
1	OR-Clackamas	29	2	72	40	12	155
1	OR-Multnomah	60	6	99	76	18	259
1	OR-Washington	38	0	78	82	6	204
1	OR-Marion	28	0	43	24	7	102
1	OR-Polk	8	0	8	4	1	21
1	OR-Yamhill	7	0	13	8	0	28
2	OR-Lincoln	9	0	6	2	0	17
2	OR-Benton	4	1	5	4	0	14
2	OR-Linn	5	0	10	7	1	23
2	OR-Lane	6	1	31	27	3	68
3	OR-Douglas	13	2	10	3	6	34
3	OR-Coos	0	0	1	4	0	5
3	OR-Curry	0	0	0	0	0	0
3	OR-Jackson	16	7	34	9	8	74
3	OR-Josephine	14	0	7	2	1	24
3	OR-Klamath	9	1	4	1	0	15
3	OR-Lake	0	0	0	0	0	0
4	OR-Hood River	1	0	2	2	0	5
4	OR-Sherman	0	0	0	0	0	0
4	OR-Wasco	3	0	2	0	0	5
4	OR-Crook	3	0	2	0	0	5
4	OR-Deschutes	25	3	21	11	2	62
4	OR-Jefferson	0	0	2	0	0	2
5	OR-Gilliam	0	0	0	0	0	0
5	OR-Morrow	2	0	1	0	0	3
5	OR-Umatilla	5	1	4	0	0	10
5	OR-Wheeler	0	0	0	0	0	0
5	OR-Union	3	2	3	1	0	9
5	OR-Wallowa	0	0	0	0	0	0
5	OR-Baker	0	0	1	0	0	1
5	OR-Grant	0	0	0	0	0	0
5	OR-Harney	0	0	0	0	0	0
5	OR-Malheur	3	0	1	1	0	5
	Grand Total	299	26	474	312	66	1177

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	8	0	14	4	1	27
1	02-Metro	127	8	249	198	36	618
1	03-Mid-Willamette	36	0	51	28	8	123
1	04-Yamhill	7	0	13	8	0	28
2	05-Lincoln Co.	9	0	6	2	0	17
2	06-Linn-Benton	4	1	5	4	0	14
2	07-East Linn	5	0	10	7	1	23
2	08-Lane	6	1	31	27	3	68
3	09-Douglas	13	2	10	3	6	34
3	10-S Coast	0	0	1	4	0	5
3	11-Rogue Basin	30	7	41	11	9	98
3	12-Klamath	9	1	4	1	0	15
4	13-Hood River	1	0	2	2	0	5
4	14-Wasco Co.	3	0	2	0	0	5
4	15-Central OR	28	3	25	11	2	69
5	16-Umatilla, Morrow Gilliam Co	7	1	5	0	0	13
5	17-Union County	3	2	3	1	0	9
5	18-Baker	0	0	1	0	0	1
5	19-Malheur	3	0	1	1	0	5
	Grand Total	299	26	474	312	66	1177

Figure 1 – Incoming Locate Ticket Requests by County



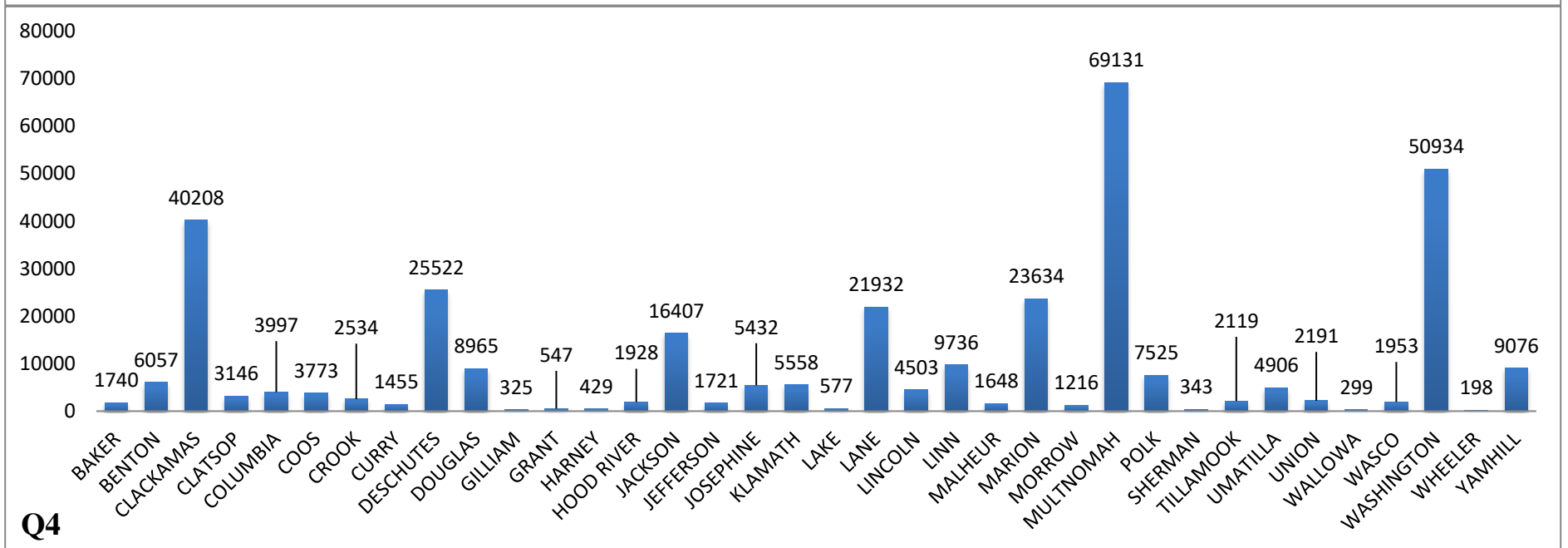
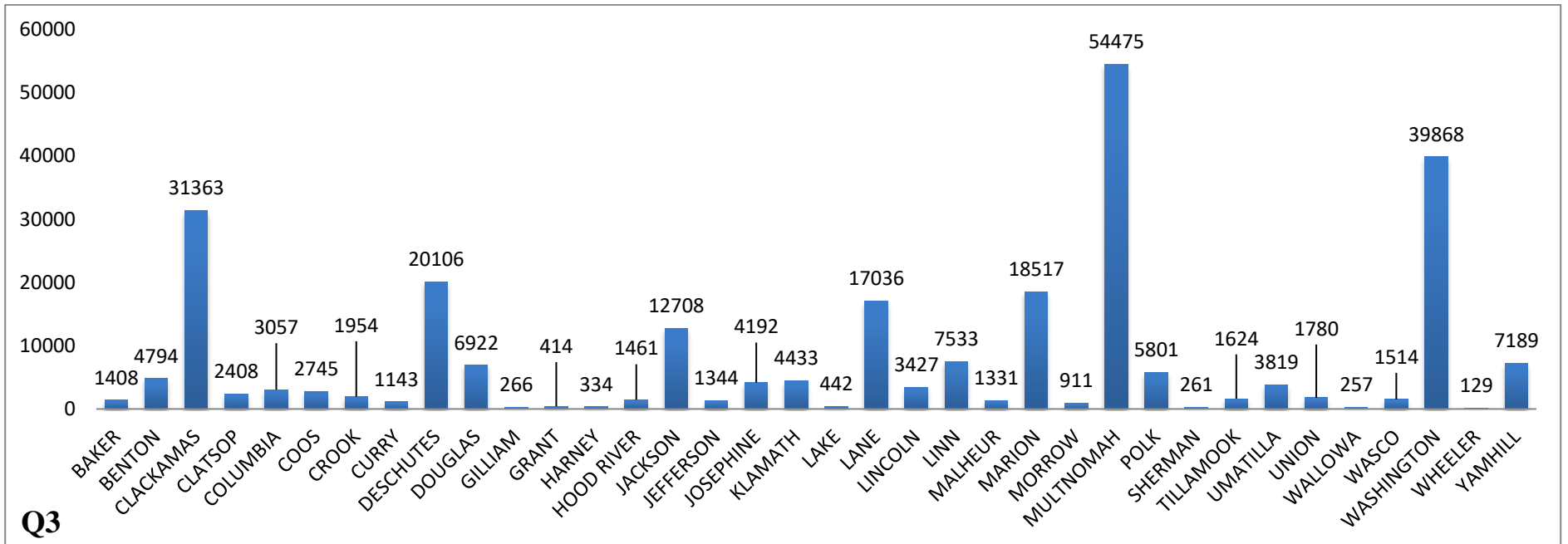


Figure 2 – Damages by Root Cause – Top 5 Damage Areas (determined by damages per 1,000 in bound locate ticket requests)

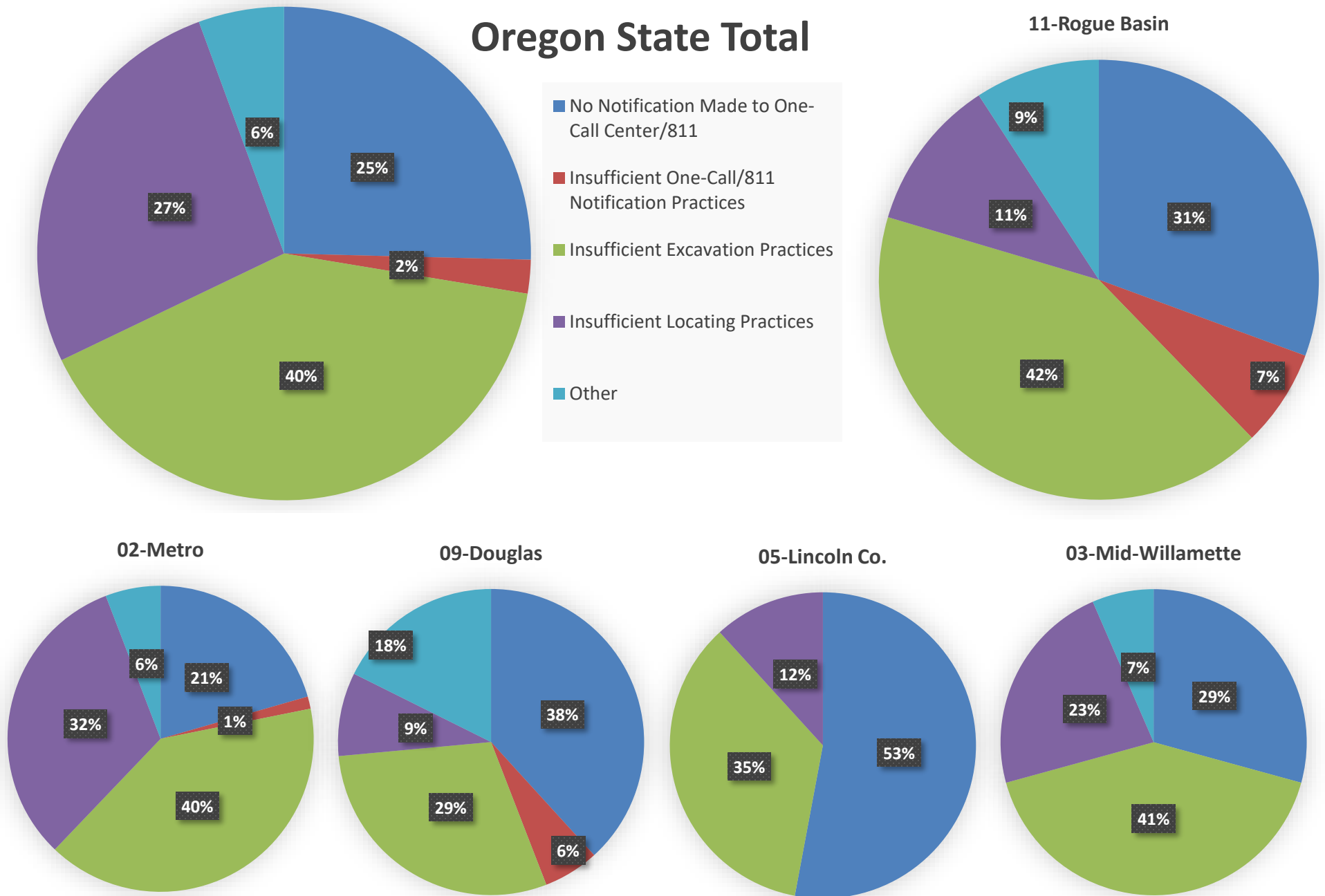
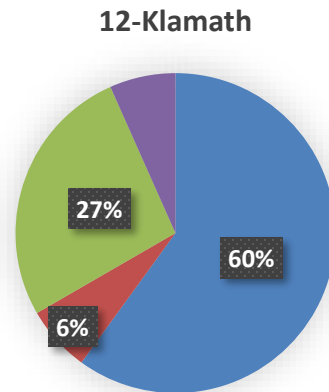
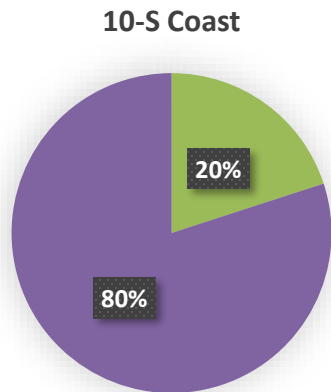
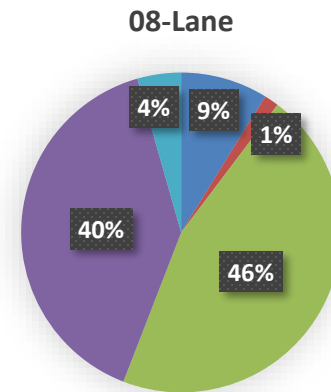
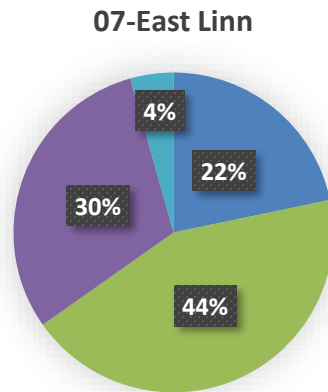
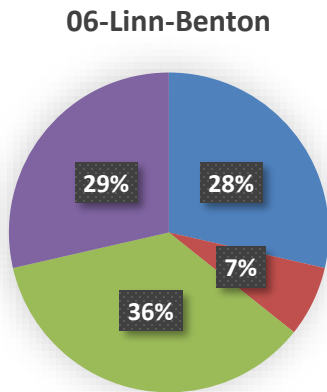
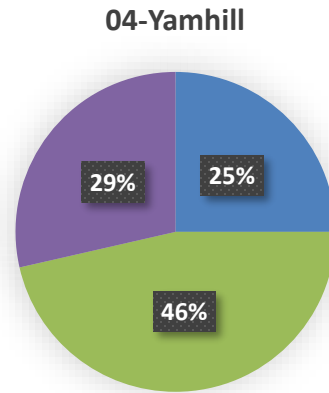
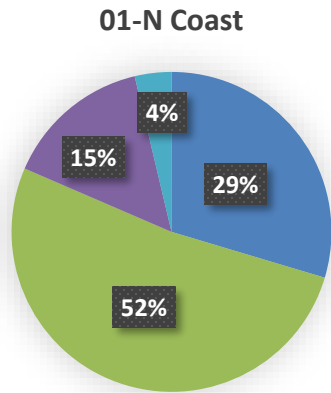
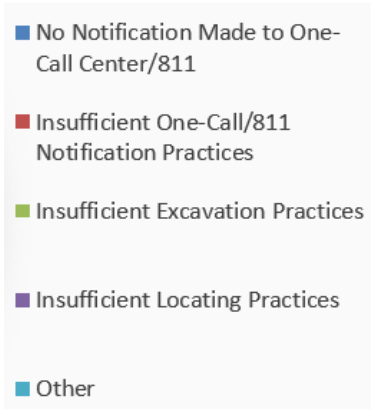
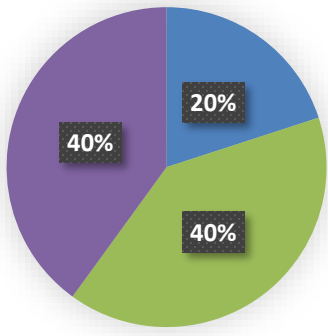


Figure 3 – Damages by Root Cause – Remaining Areas (by damages per 1,000 in bound locate ticket requests)

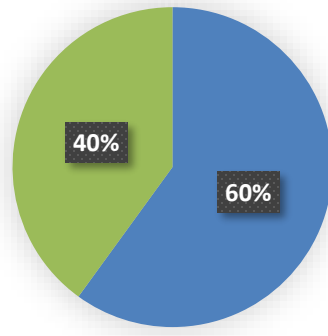


- No Notification Made to One-Call Center/811
- Insufficient One-Call/811 Notification Practices
- Insufficient Excavation Practices
- Insufficient Locating Practices
- Other

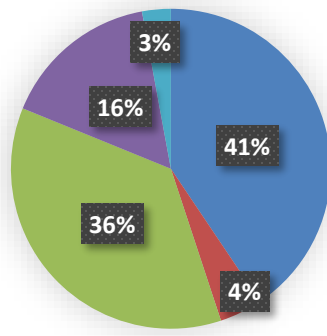
13-Hood River



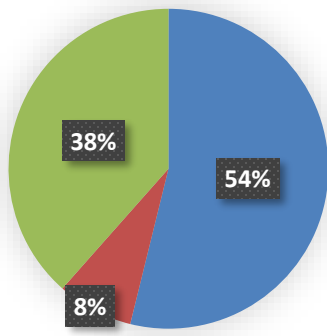
14-Wasco Co.



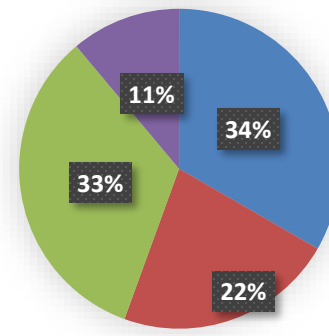
15-Central OR



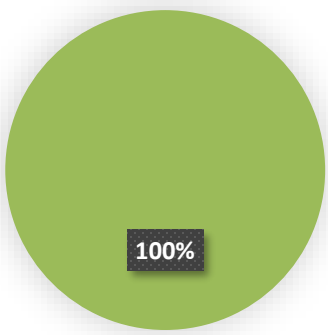
16-Umatilla, Morrow Gilliam Co



17-Union County



18-Baker



19-Malheur

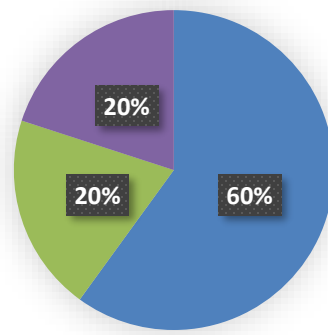


Figure 4 – Damages by Excavator Type and Work Performed

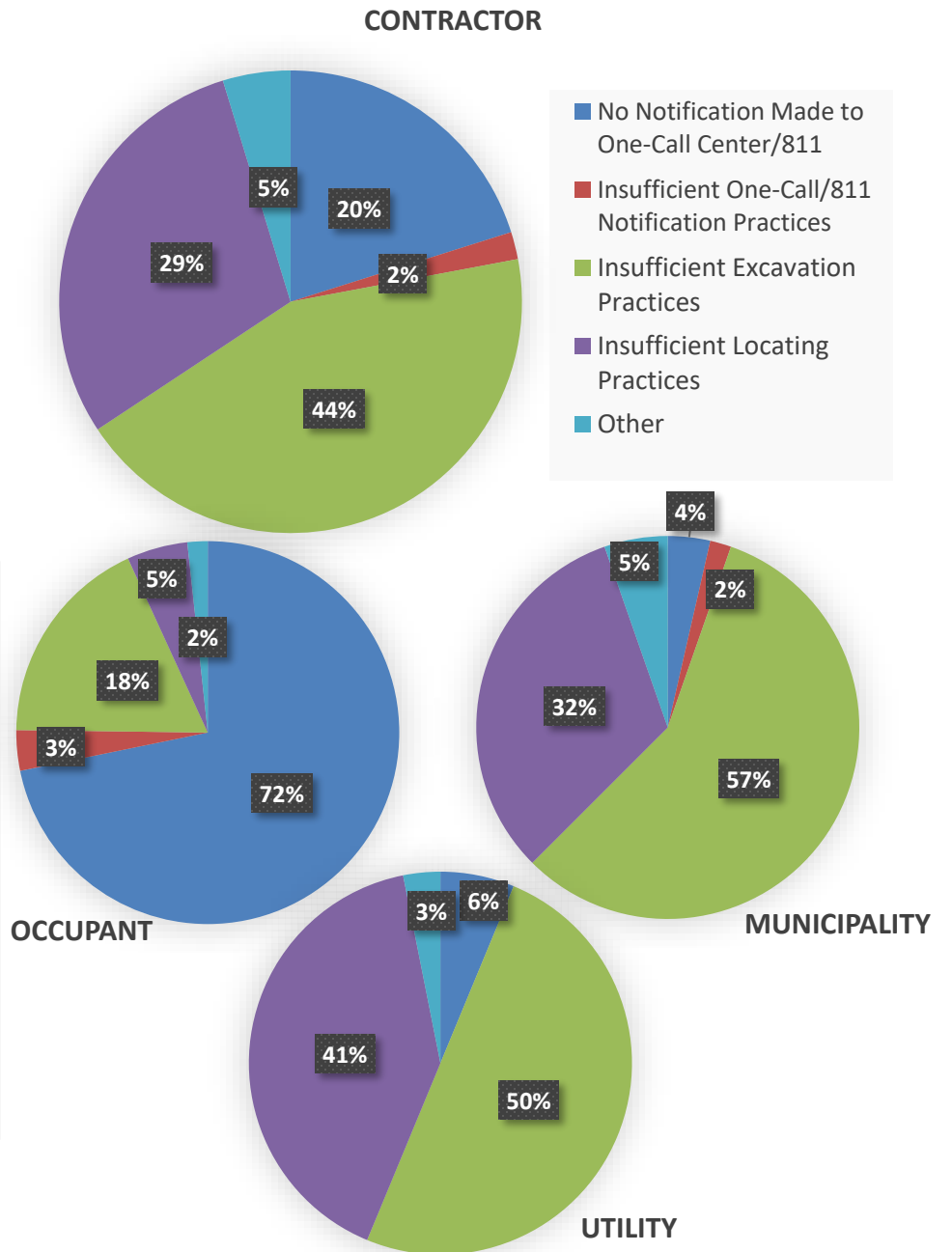
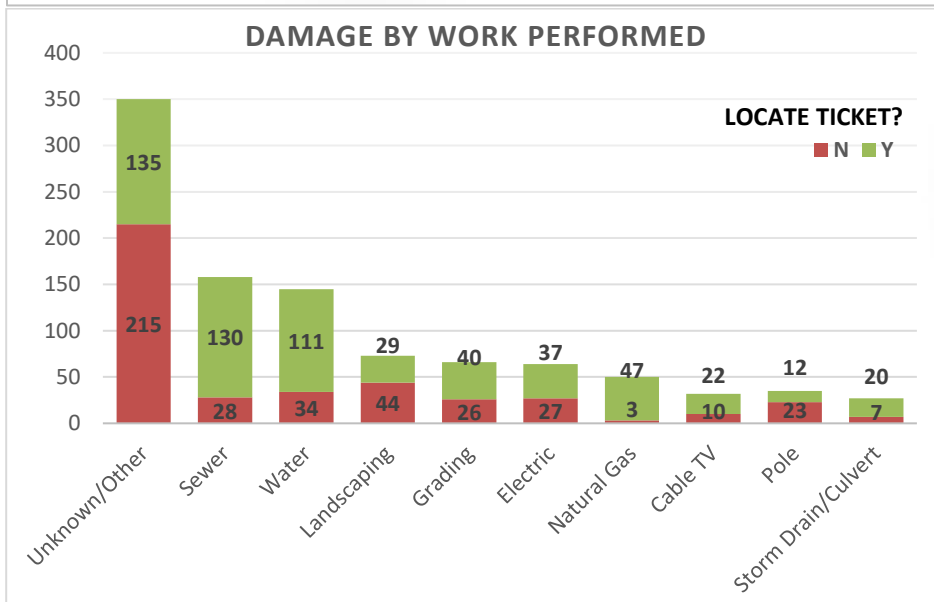
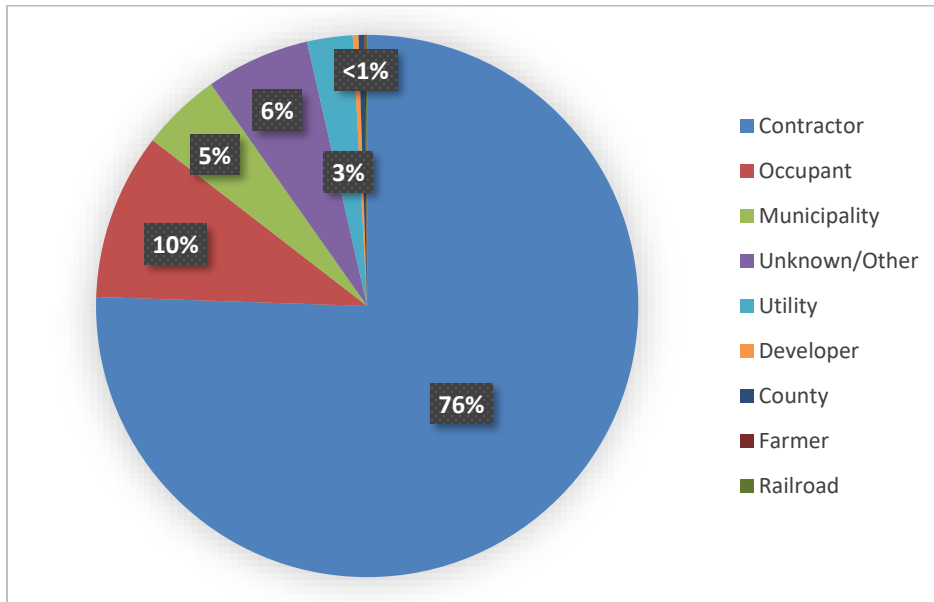


Figure 5 – Facility Type Damaged and Insufficient Locating Practices Breakdown

FACILITY DAMAGED										
Facility Damaged	Total Damages		Total Damage Percentage							
Natural Gas	794		67%							
Cable TV	213		18%							
Electric	165		14%							
Water	2		0%							
Sewer	2		0%							
Unknown/Other	1		0%							
Grand Total	1177									

FACILITY DAMAGED - ROOT CAUSE INSUFFICIENT LOCATING PRACTICES										
Facility Damaged	Total Damages		Total Damage Percentage							
Natural Gas	138		44%							
Cable TV	127		41%							
Electric	45		14%							
Water	1		0%							
Unknown/Other	1		0%							
Grand Total	312									

FACILITY DAMAGED - ROOT CAUSE INSUFFICIENT LOCATING - DESCRIPTION										
Facility Damaged	Marked inaccurately due to Locator error	Marked inaccurately due to Incorrect facility record/maps	Marked inaccurately due to Tracer wire issue	Marked inaccurately due to Abandoned Facility	Not marked due to Locator error	Not marked due to Incorrect facility records/maps	Not marked due to Abandoned facility	Site marked but incomplete at damage location	Unlocatable facility	Grand Total
Cable TV	55	0	0	0	72	0	0	0	0	127
Electric	4	4	1	0	27	4	2	1	2	45
Natural Gas	77	0	1	1	21	35	0	1	2	138
Unknown/Other	0	0	0	0	0	0	0	1	0	1
Water	0	1	0	0	0	0	0	0	0	1
Grand Total	136	5	2	1	120	39	2	3	4	312