FINAL Meeting Minutes

OREGON UTILITY NOTIFICATION CENTER
BOARD OF DIRECTORS

Meeting Minutes, NW Natural, 3123 Broadway St NE, Salem, OR 97303 October 9, 2019

Board members in attendance as follows: X = present O = absent P = phone participant

X	**Scott Gallegos** OUCC	X	**Micah Brown** NULCA	X	**Joyce Nelsen** Regulated Telecom <50K Access Lines	X	**Ryan Sandhu** Special Districts
X	**Nathan Rivera** Municipal Electric	X	**Don Moore** Natural Gas Distribution	X	**Melanie Lewis** Regulated Electric	O	**Fred Corona** Interstate Natural Gas Pipeline
X	**Tim Smith** Cities Population <25K	O	**Scott Clement** Cities Population >25K	X	**Johnny Sapp** ODOT	X	**Mitch Burghelea** Cable TV
O	**Phil Boyle** OPUC	X	**John Eckis** Telecom Cooperatives	X	**Connor Toney** Excavators		
	Open Railroads		**Open** National Telecom Damage Prevention		**Open** Electric Cooperatives		**Open** Public Utility Districts
	Open Counties		**Open** Contractors		Open Telecom >50K Access Lines		

Others in attendance were: Greg Snyder – OCC, Frank Planton – OCC, Kitty Davis – OUNC Administrative and Outreach Coordinator, Kevin Hennessy – OPUC, Dawn Hickson – Clackamas County, Lyndsay Sanders – National Excavator Initiative, Lynsay Demko – Cascade Natural Gas, Anne Byrd - USIC.

Introductions: Scott Gallegos welcomed everyone to the meeting and introductions were completed.

Adopt Previous Board Meeting Minutes: Joyce Nelsen moved to accept the September 2019 meeting minutes as submitted. Tim Smith seconded the motion. Vote record 10-9-19-01.

Safety Moment – Connor Toney provided this month's safety tip on the importance of wearing high visibility gear

Open Testimony: None

OUNC Operations Report: Greg Snyder reported the following:

The call center has completed rolling out the three new questions to be asked and has changed the 48 Hour Notice Header Code to 2 Full Business Days.

OCC Systems division continues to work on completing the graphics for the interactive dig date calendar to be placed on the scroll bar at the top of the home page on the OUNC website.

Greg went over the number of impressions and sessions for the OR App compared to the other OCC states. The Board would like additional information on the other states numbers of ITIC mobile tickets. Greg will try to obtain the information but data for other states may be considered propritary and may not be available.

Greg provided information regarding the Member Utility of Rodlund Road Community Water System to OUNC Board Member Ryan Sandhu. This member had previousely sent correspondence to the OUNC Board regarding a past due amount. Greg had been asked to provide this additionl data on the history of the member and provide and discuss the information with Ryan Sandhu. Further action will be taken after this information has been reviewed.

Greg mentioned that OCC Systems Division is starting to ask basic information for advance preperation of Oregon getting ITIC Nxt, which is the upgraded version of ITIC NextGen. This type of information regards ticket Headers, ticket sizes, etc. Greg cautioned the Board that there is no time frame for Oregon to start the ITIC Nxt build processs and this is only very preliminary groundwork. Greg will work on writing up a summary on ITIC Nxt.

All Board Members had previously been emailed copies of the September 2019 operations reports. Greg Snyder went over the highlights for the month. The incoming ticket total for September was 28,813 tickets which is up 4.93% from September 2018. The ITIC percentage for September was 62.88%, up from September 2018's 61.50%. The incoming ITIC Mobile total for September was 174, down from 310 in 2018. The Average Speed of Answer (ASA) was 29 seconds for September 2019.

OUNC Billing & Aging Report: All Board Members were previousely emailed copies of the billing reports and the aging reports for September 2019.

Treasurer Report: Joyce Nelsen: Joyce reviewed the OUNC Balance Sheets, Profit and Loss Detail and Profit and Loss Budget Performance for September 2019. Nate Rivera moved to accept the treasurers' report as presented. Mitch Burghelea seconded the motion. Vote record 10-9-19-02

Presentation: Lyndsay Sanders with the National Excavator Initiative gave a presentation on the Micro Mike Rowe Advertising Campaign. Discussion followed.

Board of Directors Officer's Reports:

Chair's Report: Scott Gallegos. Scott thanked OCC for holding the Users Group Meeting in Portland this year, in the Boards own back yard. This allowed additional Board Members to attend.

Vice Chair Report: Micah Brown – No report

Treasurer Report: Joyce Nelsen – No report

Secretary Report: Ryan Sandhu – Ryan provided his feedback on the Users Group Meeting. He enjoyed the presentations on ARC GIS, Minimum wage numbers and Avista's training program among others.

PUC Representative Report: Phil Boyle – No report

Committee Reports:

Budget and Audit Committee: Joyce Nelsen: Joyce reported that Scott Gallegos has signed the paperwork for the Audit.

There will be a Budget Committee meeting on October 29, 2019 and Joyce will send out a meeting notice.

Joyce has checked on CD rates and asked the Board if they should move money from the money market account to a CD. After discussion Nate Rivera made a motion to move $100,000 from the money market account to a CD. Time Smith seconded the motion. Vote record 10-9-19-03.

Contracts Committee: Nate Rivera: No report

Damage Reporting/Dirt: Don Moore – Don introduced the committee members then proposed a change in the Statement of Purpose to: Reduce damages to underground facilities, optimize resources and inform decisions by analyzing data and reporting key findings to the OUNC Board of Directors. After discussion Micah Brown moved to accept the change in the Statement of Purpose. Johnny Sapp seconded the motion. Vote record 10-9-19-04. Don also provided information on DIRT and damages. (See ATTACHMENT 1)

Scott Gallegos asked if the Board was interested in making damage reporting mandatory. After discussion it was decided to refer this issue topic to the Damage Reporting/Dirt committee.

Training and Education Committee: Mitch Burghelea: This committees report was moved up to accommodate other commitments. Mitch reported that the last Locator Training class went very well. The current trainer (Bob) has trained 238 individuals through this last class. His contract has been extended.

Although no Excavator Safety Training classes with Clint Kalfell have been set up for next year it is possible there could be a class approximately every 3 months in 2020.

Oregon Administrative Rules (OAR'S) & Tariff: Micah Brown: Micah reported that the Standards Manual has been converted into Spanish and will be reviewed by the committee at the next committee meeting to be held on 10/23/19 at 10am.

The committee is also working on the following items and will report back to the Board after committee discussions.

The length of a ticket – size of locate request
Mandatory white paint – virtual white lining
Facility enclosures – EWEB's request
Wildland fire tickets

Policy & Procedures Committee: Johnny Sapp. No report.

Ryan Sandhu did note that the Bylaws have been submitted to the DOJ.

Also, there had been a question on term limits for OUNC Board Members. Although term limits for the OUNC are not specified, the Governors web page shows policy is a two-term limit.

Publicity Committee: Kitty Davis reported that the committee would be having a meeting. They will be discussing participation in the Starlight Parade at $15,500.

After discussion on the Micro Mike Rowe presentation, it was decided to refer it back to the Publicity Committee for discussion and a recommendation to the full Board.

Enforcement: Micah Brown: Micah reported that the committee will meet on 10-23-19 at 1pm.

Micah also reported that the PUC Consumer Services and the call center have been providing information on complaints and RAA's. He will compile them and present the information to the OUNC Board.

Training and Education Committee: See earlier notes for the Training and Education Committee information.

Membership: Phil Boyle: Joyce Nelsen reported that Jessica from Frontier has submitted paperwork for the over 50,000 access lines position. She also noted that there may be someone interested in her position

Oregon Utilities Coordinating Council (OUCC) Report: Scott Gallegos. Scott reported that last quarters OUCC meeting was cancelled due to projected low attendance.

Scott will try to have an update on the OUCC tax status for next months meeting.

Executive Coordinator Committee: Ryan Sandhu: Ryan reported that Kyle Weraky with DAS wrote a vacancy announcement for this position.

Kyle also provided verbal information on salary ranges and the Board will need to determine if PERS will be picked up. After discussion it was decided to have the committee review Kyle's salary and benefit information to decide on a salary range. Ryan will get the meeting set up.

Kyle is also putting together a cost analysis for HR services for the OUNC.

National Industry News: NULCA, CGA, Open Discussion: None

Old business: No update on the 2018 Strategic Planning Document**.**

Kitty Davis provided a handout with information on the Morrison Award which is in honor of Jarrod Morrison. The call center will send out the flyer via a free format message at the end of October 2019.

New Business: Discussion of potential 2020 Board Meeting sites.

Good of the Order: None

Nate Rivera made a motion to adjourn the meeting. Connor Toney seconded the motion. Vote record 10-9-19-05.

Meeting Adjourned.

Voting Record
Motion 10-9-19-01

Y	**Scott Gallegos** OUCC	Y	**Micah Brown** NULCA	Y	**Joyce Nelsen** Regulated Telecom <50K Access Lines	Y	**Ryan Sandhu** Special Districts
Y	**Nathan Rivera** Municipal Electric	Y	**Don Moore** Natural Gas Distribution	Y	**Melanie Lewis** Regulated Electric	NP	**Fred Corona** Interstate Natural Gas Pipeline
Y	**Tim Smith** Cities Population <25K	NP	**Scott Clement** Cities Population >25K	Y	**Johnny Sapp** ODOT	Y	**Mitch Burghelea** Cable TV
NP	**Phil Boyle** OPUC	Y	**John Eckis** Telecom Cooperatives	Y	Connor Toney Excavators		
	Open Railroads		**Open** National Telecom Damage Prevention		**Open** Electric Cooperatives		**Open** Public Utility Districts
	Open Counties		**Open** Contractors		**Open** Telecom >50K Access Lines		

Summary
Yes = 12
No = 0
Not Present = 3

Voting Record
Motion 10-9-19-02

Y	**Scott Gallegos** OUCC	Y	**Micah Brown** NULCA	Y	**Joyce Nelsen** Regulated Telecom <50K Access Lines	Y	**Ryan Sandhu** Special Districts
Y	**Nathan Rivera** Municipal Electric	Y	**Don Moore** Natural Gas Distribution	Y	**Melanie Lewis** Regulated Electric	NP	**Fred Corona** Interstate Natural Gas Pipeline
Y	**Tim Smith** Cities Population <25K	NP	**Scott Clement** Cities Population >25K	Y	**Johnny Sapp** ODOT	Y	**Mitch Burghelea** Cable TV
NP	**Phil Boyle** OPUC	Y	**John Eckis** Telecom Cooperatives	Y	Connor Toney Excavators		
	Open Railroads		**Open** National Telecom Damage Prevention		**Open** Electric Cooperatives		**Open** Public Utility Districts
	Open Counties		**Open** Contractors		**Open** Telecom >50K Access Lines		

Summary
Yes = 12
No = 0
Not Present = 3

Voting Record
Motion 10-9-19-03

Y	**Scott Gallegos** OUCC	Y	**Micah Brown** NULCA	Y	**Joyce Nelsen** Regulated Telecom <50K Access Lines	Y	**Ryan Sandhu** Special Districts
Y	**Nathan Rivera** Municipal Electric	Y	**Don Moore** Natural Gas Distribution	Y	**Melanie Lewis** Regulated Electric	NP	**Fred Corona** Interstate Natural Gas Pipeline
Y	**Tim Smith** Cities Population <25K	NP	**Scott Clement** Cities Population >25K	Y	**Johnny Sapp** ODOT	Y	**Mitch Burghelea** Cable TV
NP	**Phil Boyle** OPUC	Y	**John Eckis** Telecom Cooperatives	Y	Connor Toney Excavators		
	Open Railroads		**Open** National Telecom Damage Prevention		**Open** Electric Cooperatives		**Open** Public Utility Districts
	Open Counties		**Open** Contractors		**Open** Telecom >50K Access Lines		

Summary
Yes = 12
No = 0
Not Present = 3

Voting Record
Motion 10-9-19-04

Y	**Scott Gallegos** OUCC	Y	**Micah Brown** NULCA	Y	**Joyce Nelsen** Regulated Telecom <50K Access Lines	Y	**Ryan Sandhu** Special Districts
Y	**Nathan Rivera** Municipal Electric	Y	**Don Moore** Natural Gas Distribution	Y	**Melanie Lewis** Regulated Electric	NP	**Fred Corona** Interstate Natural Gas Pipeline
Y	**Tim Smith** Cities Population <25K	NP	**Scott Clement** Cities Population >25K	Y	**Johnny Sapp** ODOT	Y	**Mitch Burghelea** Cable TV
NP	**Phil Boyle** OPUC	Y	**John Eckis** Telecom Cooperatives	Y	Connor Toney Excavators		
	Open Railroads		**Open** National Telecom Damage Prevention		**Open** Electric Cooperatives		**Open** Public Utility Districts
	Open Counties		**Open** Contractors		**Open** Telecom >50K Access Lines		

Summary
Yes = 12
No = 0
Not Present = 3

Voting Record
Motion 10-9-19-05

Y	**Scott Gallegos** OUCC	Y	**Micah Brown** NULCA	Y	**Joyce Nelsen** Regulated Telecom <50K Access Lines	Y	**Ryan Sandhu** Special Districts
Y	**Nathan Rivera** Municipal Electric	Y	**Don Moore** Natural Gas Distribution	Y	Melanie Lewis Regulated Electric	NP	**Fred Corona** Interstate Natural Gas Pipeline
Y	**Tim Smith** Cities Population <25K	NP	**Scott Clement** Cities Population >25K	Y	**Johnny Sapp** ODOT	Y	**Mitch Burghelea** Cable TV
NP	**Phil Boyle** OPUC	Y	**John Eckis** Telecom Cooperatives	Y	Connor Toney Excavators		
	Open Railroads		**Open** National Telecom Damage Prevention		**Open** Electric Cooperatives		**Open** Public Utility Districts
	Open Counties		**Open** Contractors		**Open** Telecom >50K Access Lines		**Open** Telecom >50K Access Lines

Summary
Yes = 12
No = 0
Not Present = 3

ATTACHMENT 1

Oregon
Kate Brown, Governor

Oregon Utility Notification Center
305 NE 102nd Avenue, Suite 300
Portland, OR 97220-4170
(503) 232-1987

Oregon Utility Notification Center
Damage Reporting, DIRT Committee – Board of Directors Update
Date: Wednesday, October 9, 2019

Committee Members
Phil Boyle
Mitch Burghelea
Kitty Davis
Scott Gallegos
Dawn Hickson
Don Moore - Chair

AGENDA

1. Introduce the Committee

2. Update Statement of Purpose

   Current Statement of Purpose
   To gather statistical data on damages to insure a better loss prevention program.

   Proposed Statement of Purpose
   Reduce damages to underground facilities, optimize resources and inform decisions by analyzing data ~~from DIRT~~ and reporting key findings to the OUNC Board of Directors.

   OUNC's Mission (For Reference)
   To operate and maintain a state-of-the-art one-call system for the State of Oregon to reduce damages to underground facilities and to promote public safety related to excavation issues.

3. Quality of DIRT data.

   Question: Why should we use DIRT data? Answer: Because it's the best available information.

   All models are wrong, but some are useful. -George Box, British Statistician

   "A model is a lie that helps you see the truth" -Howard Skipper, American Doctor

4. 2017 DIRT Report – Share select reports with the board. Discussion encouraged. Note: 2018 report was release September 25, 2019. We will review at our next Committee meeting.

   Text highlighted in red represents edits to the original document.

   -Page 01.01 – Number of events submitted into DIRT increased.
   -Page 01.02 – Additional details on data and analytical methods employed.
   -Page 01.03 – One of the primary objectives in CGA's strategic plan.
   -Page 14 – Date and Location of Damages
   -Page 16 – Reporting Stakeholders
   -Page 18 – Root Cause
   -Page 19 – Root Cause by Group
   -Page 20 – Root Cause by Reporting Stakeholder
   -Page 23 – Excavator Type
   -Page 27 – Excavator Type by Root Cause
   -Page 29 – Facilities Affected and Damaged
   -Page 36 – Conclusions – Minimize unknown entries into DIRT
   -Page 36 – Conclusions – Interpreting trends over time

5. OUCC DIRT Data - Currently available– Locates, Damages, Damages per 1,000 locates. The reporting period presented is January 2019 through June 2019.

6. OUCC DIRT Data - Future Reports for Board Meetings
   a. Oregon Locates - Last 12 Months (vs. Same Time Period Prior Year)
   b. Oregon Damages - Last 12 Months (vs. Same Time Period Prior Year)
   c. Oregon Root Cause - Last 12 Months (vs. Same Time Period Prior Year)
   d. Relevant National DIRT Data – Ad hoc basis

7. Reporting cycle and meeting schedule through early 2021.

   The DIRT committee will present 12 month rolling reports after the close of each quarter. The report to the board may be more timely if the Executive Director is preparing the reports immediately after the close of each quarter.

Committee Meeting	Report to Board	Reporting Period
November 2019	December 2019	End of Q3 2018 – End of Q3 2019
January 2020	February 2020	Calendar Year 2019
April 2020	May 2020	End of Q1 2019 – End of Q1 2020
July 2020	August 2020	End of Q2 2019 – End of Q2 2020
October 2020	November 2020	End of Q3 2019 – End of Q3 2020
January 2021	February 2020	Calendar Year 2020

8. Root cause reports from Oregon utilities.

9. Other Topics for the Board

   a. Efforts should be directed towards minimizing the amount of unknown data entries.

   b. Mandatory damage reporting should be required. The DIRT committee advocates using the OAR process to achieve mandatory reporting.

2019 Damage Totals

Sorted by Zone, Council, then by County

Zone	Council	Counties	A Inbound Tickets	C Damages	E % by County	Damages per 1000	B Total Inbound Tickets by Council	D Total Damages by Council	F Total % by Council	Damages per 1000	B Total Inbound Tickets by Zone	D Total Damages by Zone	F Total % by Zone	Damages per 1000
1	1-N Coast	Clatsop	1,584	7	0.44	4.42	4,600	10	0.22	2.17	108,609	326	0.30	3.00
1	1-N Coast	Columbia	1,965	3	0.15	1.53								
1	1-N Coast	Tillamook	1,051	0	0.00	0.00								
1	2-Metro	Clackamas	20,413	54	0.26	2.65	83,075	253	0.30	3.05				
1	2-Metro	Multmonah	36,434	118	0.32	3.24								
1	2-Metro	Washington	26,228	81	0.31	3.09								
1	3-Mid-Willamette	Marion	12,351	43	0.35	3.48	16,152	53	0.33	3.28				
1	3-Mid-Willamette	Polk	3,801	10	0.26	2.63								
1	4-Yamhill	Yamhill	4,782	10	0.21	2.09	4,782	10	0.21	2.09				
2	5-Lincoln Co.	Lincoln	2,249	10	0.44	4.45	2,249	10	0.44	4.45	21,171	40	0.19	1.89
2	6-Linn-Benton	Benton	3,071	4	0.13	1.30	3,071	4	0.13	1.30				
2	7-East Linn	Linn	4,745	6	0.13	1.26	4,745	6	0.13	1.26				
2	8-Lane	Lane	11,106	20	0.18	1.80	11,106	20	0.18	1.80				
3	9-Douglas	Douglas	4,406	8	0.18	1.82	4,406	8	0.18	1.82	20,790	51	0.25	2.45
3	10-S Coast	Coos	1,747	5	0.29	2.86	2,433	5	0.21	2.06				
3	10-S Coast	Curry	686	0	0.00	0.00								
3	11-Rogue Basin	Jackson	8,342	23	0.28	2.76	11,051	33	0.30	2.99				
3	11-Rogue Basin	Josephine	2,709	10	0.37	3.69								
3	12-Klamath	Klamath	2,625	5	0.19	1.90	2,900	5	0.17	1.72				
3	12-Klamath	Lake	275	0	0.00	0.00								
4	13-Hood River	Hood River	969	3	0.31	3.10	969	3	0.31	3.10	17,109	36	0.21	2.10
4	14-Wasco Co.	Sherman	169	0	0.00	0.00	1,120	5	0.45	4.46				
4	14-Wasco Co.	Wasco	951	5	0.53	5.26								
4	15-Central OR	Crook	1,223	1	0.08	0.82	15,020	28	0.19	1.86				
4	15-Central OR	Deschutes	12,876	26	0.20	2.02								
4	15-Central OR	Jefferson	921	1	0.11	1.09								
5	16-Umatilla, Morrow Gilliam Co	Gilliam	209	0	0.00	0.00	3,394	4	0.12	1.18	6,780	9	0.13	1.33
5	16-Umatilla, Morrow Gilliam Co	Morrow	653	1	0.15	1.53								
5	16-Umatilla, Morrow Gilliam Co	Umatilla	2,468	3	0.12	1.22								
5	16-Umatilla, Morrow Gilliam Co	Wheeler	64	0	0.00	0.00								
5	17-Union County	Union	1,114	2	0.18	1.80	1,251	2	0.16	1.60				
5	17-Union County	Wallowa	137	0	0.00	0.00								
5	18-Baker	Baker	859	0	0.00	0.00	1,085	0	0.00	0.00				
5	18-Baker	Grant	226	0	0.00	0.00								
5	19-Malheur	Harney	204	0	0.00	0.00	1,050	3	0.29	2.86				
5	19-Malheur	Malheur	846	3	0.35	3.55								
		State Totals	174,459	462	0.26%	2.65								

2019	January	February	March	April	May	June	July	August	September	October	November	December	Year Total
County	Inbound	Inbound	Inbound	Inbound	Inbound	Inbound	Inbound	Inbound	Inbound	Inbound	Inbound	Inbound	Inbound
BAKER	71	41	117	230	222	178							859
BENTON	521	470	507	471	588	514							3,071
CLACKAMAS	3345	2423	3430	3829	3843	3543							20,413
CLATSOP	268	197	278	307	278	256							1,584
COLUMBIA	250	247	302	411	380	375							1,965
COOS	239	260	254	338	353	303							1,747
CROOK	187	132	116	238	269	281							1,223
CURRY	100	74	116	134	144	118							686
DESCHUTES	1886	1115	1500	3159	2804	2412							12,876
DOUGLAS	671	472	656	758	977	872							4,406
GILLIAM	53	7	43	34	34	38							209
GRANT	33	19	41	55	47	31							226
HARNEY	23	9	40	67	28	37							204
HOOD RIVER	156	29	120	211	187	266							969
JACKSON	1340	1086	1356	1543	1623	1394							8,342
JEFFERSON	125	64	127	201	221	183							921
JOSEPHINE	373	358	457	516	579	426							2,709
KLAMATH	322	182	423	618	583	497							2,625
LAKE	40	17	45	56	54	63							275
LANE	1813	1292	1871	2052	2109	1969							11,106
LINCOLN	348	305	350	414	462	370							2,249
LINN	695	662	830	901	863	794							4,745
MALHEUR	112	89	163	172	163	147							846
MARION	2133	1795	1953	2036	2508	1926							12,351
MORROW	85	107	133	132	96	100							653
MULTNOMAH	6214	5054	6347	6735	6446	5638							36,434
POLK	601	497	582	697	755	669							3,801
SHERMAN	25	5	12	38	65	24							169
TILLAMOOK	156	119	157	193	215	211							1,051
UMATILLA	375	98	462	544	550	439							2,468
UNION	98	67	203	275	260	211							1,114
WALLOWA	5	2	14	43	36	37							137
WASCO	160	34	152	204	204	197							951
WASHINGTON	4089	3234	4331	5118	4809	4647							26,228
WHEELER	9	6	10	7	17	15							64
YAMHILL	724	615	793	912	908	830							4,782
													174,459

Zone	Council	Counties
1	1-N Coast	Clatsop
1	1-N Coast	Columbia
1	1-N Coast	Tillamook
1	2-Metro	Clackamas
1	2-Metro	Multmonah
1	2-Metro	Washintgon
1	3-Mid-Willamette	Marion
1	3-Mid-Willamette	Polk
1	4-Yamhill	Yamhill
2	5-Lincoln Co.	Lincoln
2	6-Linn-Benton	Benton
2	7-East Linn	Linn
2	8-Lane	Lane

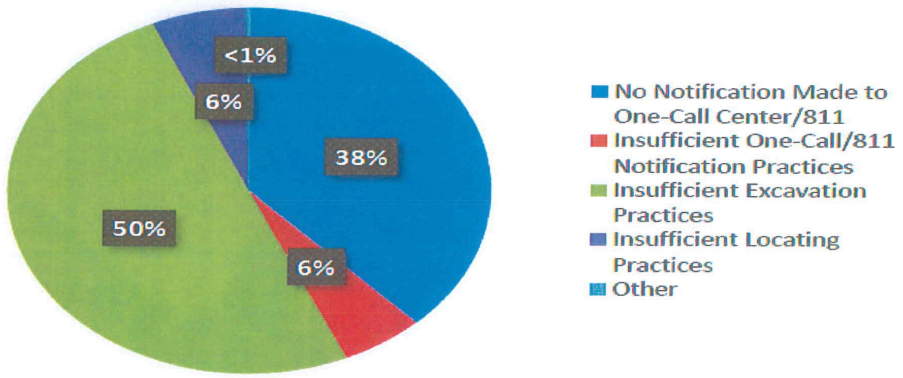
Zone	Council	Counties
3	9-Douglas	Douglas
3	10-S Coast	Coos
3	10-S Coast	Curry
3	11-Rogue Basin	Jackson
3	11-Rogue Basin	Josephine
3	12-Klamath	Klamath
3	12-Klamath	Lake
4	13-Hood River	Hood River
4	14-Wasco Co.	Sherman
4	14-Wasco Co.	Wasco
4	15-Central OR	Crook
4	15-Central OR	Deschutes
4	15-Central OR	Jefferson

Zone	Council	Counties
5	16-Umatilla, Morrow Gilliam Co	Gilliam
5	16-Umatilla, Morrow Gilliam Co	Morrow
5	16-Umatilla, Morrow Gilliam Co	Umatilla
5	16-Umatilla, Morrow Gilliam Co	Wheeler
5	17-La Grande / Union	Union
5	17-La Grande / Union	Wallowa
5	18-Baker	Baker
5	18-Baker	Grant
5	19-Malheur	Harney
5	19-Malheur	Malheur

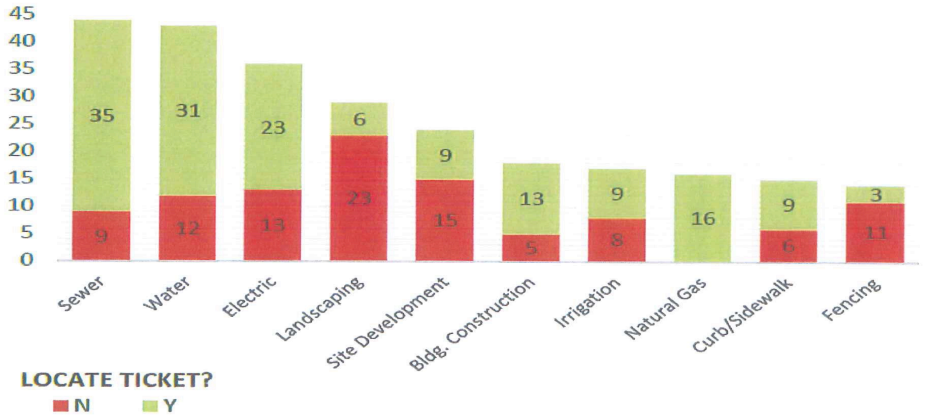
Cascade Natural Gas – Damage Prevention Data

OUNC – DIRT Committee

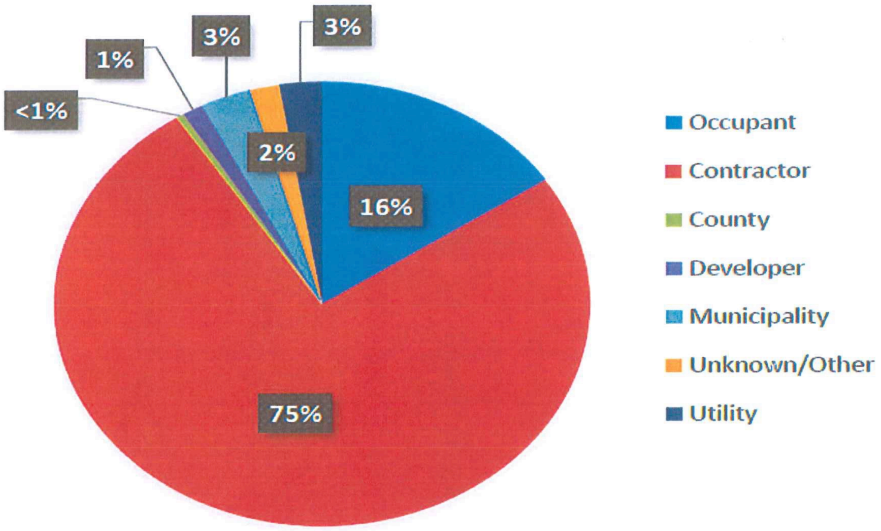
2018 Q4 – Root Cause



2018 Q4 – Damage by Work Performed



Cascade Natural Gas – Damage Prevention Data

OUNC – DIRT Committee

2018 Q4 – Excavator Type