9-1-1 Program Updates
Organizational Change

• Addition of a Project Portfolio Manager

• Increase visibility on work taking place within the 9-1-1 Program

• Align operational program work and projects within a single portfolio to ensure efficient use of existing staff resources

• Improve the prioritization of program and project work

• Identify additional resources needed to support effective Transitional NG9-1-1 portfolio of projects
Portfolio Management (9-1-1 Program)

Vision

Mission

Organizational Strategy and Objectives

Portfolio Management
Strategic Planning and Management of Projects, Programs and Operations

Management of On-Going Operations
(recurring activities)
Producing Value

Management of Authorized Programs and Projects
(projectized activities)
Increasing Value Production Capability

Organizational Resources

Increase Project Success

# OEM 9-1-1 Program

## Projects & Operational Assignments

**May-17**

### STAFFING

<table>
<thead>
<tr>
<th>NAME</th>
<th>STAFF CAPACITY</th>
<th>TOTAL ALLOCATION</th>
<th>CURRENT PROJECT DEMAND</th>
<th>ALLOCATION TO OPERATIONAL WORK</th>
<th>ALLOCATION TO PROJECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DUVALL, GILLEN</td>
<td>x</td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>20%</td>
<td>40%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LUSTIC, PAT</td>
<td>x</td>
<td>124%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>20%</td>
<td>71%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-28%</td>
<td>-28%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GURLEY, MICHAEL</td>
<td>x</td>
<td>132%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>20%</td>
<td>92%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-32%</td>
<td>-20%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Work Effort

- CPE Replacement Project (Planning Calls & Contracting)
- CPE Contract Billing
- CPE Standards Development
- PSAP Support (Helpdesk Function)
- OEM Support Activities (EDG, ECC, Training or Other)
- NO 9-1-1 Strategy Development
- MPLS Program Management
- Legacy 9-1-1 Billing Cleanup
- Legacy 9-1-1 SRE Program Support
- Frame Relay Operational Maintenance Task Coord.
- Frontier ES Trunk Migrations
- Nonstandard ESRC Implementation
- OEM Support Activities (EDG, ECC, Training or Other)
- Conference Attendance

### Totals

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>900% Total Allocation</td>
<td></td>
</tr>
<tr>
<td>9.6 FTE Need for Unassigned Projects</td>
<td></td>
</tr>
<tr>
<td>10.0 FTE Available</td>
<td></td>
</tr>
<tr>
<td>0.0 FTE Need for Active Projects</td>
<td></td>
</tr>
<tr>
<td>0.2 FTE Need for All Projects</td>
<td></td>
</tr>
</tbody>
</table>
Oregon Transitional NG9-1-1
Strategy Overview

Frank Kuchta, 9-1-1 Project Portfolio Manager
Pat Lustig, NG9-1-1 Project Manager
Michael Gurley, NG9-1-1 Deputy Project Manager

State 9-1-1 Advisory Committee Meeting – APCO/NENA Conference
May 23, 2017
Agenda

- Purpose
- Standards & Reference Material
- Assumptions
- Governance
- Legacy Environment
- NENA Transition Scenarios
- Transition Approach
- Transition Architecture
- Communication Approach
- Next Steps
Purpose

• Intent of this presentation is to provide a high-level overview outlining Oregon’s path to implementing statewide Transitional NG9-1-1

• This presentation is intended for the State of Oregon 9-1-1 Advisory Committee review and input prior to seeking approval from the NG9-1-1 Executive Steering Committee to move forward with future investments in Oregon’s NG9-1-1 infrastructure and services
Standards and Reference Materials

• **Standards:**
  - NENA-STA-010.2-2016 - Detailed Functional and Interface Standards for the NENA i3 Solution

• **Reference Materials:**
  - NENA-INF-008.2-2013 – NENA NG9-1-1 Transition Plan Considerations Information Document
  - OEM Project Governance Plan for Next Generation 9-1-1 - September 2014
  - NENA NG9-1-1 “end-state” 11 Assumptions
Assumptions

• Phased implementation approach minimizing risk to 9-1-1 service and future NG9-1-1 investments

• 9-1-1 Program will maintain adequate resources to support active projects underway and will acquire additional resources necessary to move future Transitional NG9-1-1 efforts forward

• Planning activities will be funded within OEM’s current operational budget

• Next Generation 9-1-1 projects undertaken will require Executive Steering Committee and State CIO approval as defined within the existing NG9-1-1 Governance structure

• Align with the existing State of Oregon 9-1-1 Advisory Committee to actively champion and support transition plans within their respective PSAP regions
Oregon NG9-1-1
Governance Structure/Membership

Executive Steering Committee
- MG Michael E. Stencel – The Adjutant General, OMD
- Dave Stuckey – Deputy Director, OMD
- Andrew Phelps – Director, OEM, Chairman
- Kelly Dutra – Director, WCCCA
- Jennifer Bjerke – DAS, OSCIO

Advisory Committee
- Mark Tennyson – OEM Technology & Response Section Manager
- Alex Pettit – Oregon State Chief Information Officer
- Pat Lustig – NG9-1-1 Project Manager
- Frank Kuchta – 9-1-1 Program Portfolio Manager

Core Project Team
- Michael Gurley – Deputy NG9-1-1 Project Manager
- Toni Sexton – 9-1-1 Program Analyst

(Other) - SME
- Doug Kettner – Region 1
- Kelly Dutra – Region 2
- Lisa St. Helen – Region 3
- Mark Buchholz – Region 4
- Steve Reinke – Region 5
- Vacant – Region 6
- Scott Haberkorn – Region 7
- Tessa Cup – Region 8
- Keith Endacott – Region 9 (Chair)
Legacy E9-1-1 Environment

Call Originating Networks

- Wireline
- Wireless
- VoIP

9-1-1 Service Provider Network

- End Office
- MSC
- TDM

PSAPs

- CAMA Trunks (PSAP CAMA)
- ALI Links (i.e., async)

Legacy PSAP

Data Management
TN Records, MSAG, Error Mgmt, ALI, SRDB

Subscribers

Data Management
Subscriber
NENA Transitioning Scenarios

Scenario 1:
(Tandem to Tandem), emergency calls ingress to the SR and are directed over Tandem to Tandem trunks to the LSRG in the NG9-1-1 system. And there may be a need to transfer/bridge calls between the two networks using the Tandem to Tandem capabilities.

Scenario 2: (Preferred)
(Migration of SR Trunks to LNG Trunks) calls are migrated from the SR trunks to the LNG trunks.

Scenario 3:
(Dual Mode PSAP) the Dual Mode PSAP has connections to both the ESRP and the SR. Calls that ingress through the SR are delivered to the PSAP via the legacy TDM trunks. The PSAP must query the ALI for location information. Calls that enter through the ESInet are routed using location and the calls are delivered to the PSAP via the IP connectivity, including location.

Adapted from NENA, Standards Document – INF-008.2.1-2013_NG9-1-1.pdf, p/25
Scenario 2: (Preferred)
Migration of SR Trunks to LNG Trunks

PSAP Premises

NG9-1-1 PSAP

Legacy PSAP

Selective Router

Legacy Network Gateway

BCF

LDB

ECRF

Legacy Originating Networks

SRDB

ALI
Transitional NG9-1-1

Strategy Workflow

1. Identify & Prioritize Existing Agency Operational & Project Work
2. Evaluate & Assign Agency NG9-1-1 Resources
3. Acquire Additional Project Resources if Needed

9-1-1 Program & Project Portfolio Activities

- Identify Alternatives, Develop Preliminary Design, Deployment Projects/Phases, Timelines & Costs
- Strategy Development
  - Current & Desired Environment
  - Strategic Goals, Objectives, Measures
  - Resource Allocation

Stakeholder Communication & Awareness

- State 9-1-1 Advisory Committee Review & Recommendation

Governance & Oversight

- NG9-1-1 Executive Steering Committee Strategy Acceptance & Approval
- Develop Business Case for NG9-1-1 Projects
- Submit NG9-1-1 Projects to State CIO for Stage Gate Approval

- 9-1-1 Program
- Supporting State Agencies (DAS, DOJ, PUC, ESO)
- Department of Homeland Security, Office of Emergency Communications Technical Assistance
- 9-1-1 PSAP Community
- Vendor Community

Acquire
Additional
Project
Resources if Needed

NG9-1-1 Resources
NG9-1-1 Architecture
• Access Network Providers (e.g.: DSL providers, fiber network providers, WiMax providers, Long Term Evolution (LTE) wireless carriers, etc.) have installed, provisioned and operated some kind of location function for their networks. Location functions are critical for 9-1-1 calls originating on an IP network because it provides a 9-1-1 valid location to IP clients that bundle their location in the SIP signaling to the ESInet.

• All calls entering the ESInet are SIP based. Gateways, if needed, are outside of, or on the edge of, the ESInet. IP services that are not native SIP based, have protocol interworking to SIP prior to being presented to the ESInet.

• All calls entering the ESInet will normally have location (which might be coarse, e.g., cell site/sector) in the signaling with the call.

• Periodic revalidation of civic location against the LVF is also needed to assure that location remains valid as changes in the GIS system that affect existing civic locations are made.

• Transition to i3 is complete when the existing Selective Router and ALI are no longer used. Even after that time, some PSAPs may not have upgraded to i3. The i3 architecture describes a Legacy PSAP Gateway (LPG) to interface between the ESInet and a legacy PSAP. The LPG supports the origination of an emergency call through the ESInet to a legacy PSAP as well as the transfer of an emergency call from/to an i3 PSAP to/from a legacy PSAP.

• 9-1-1 authorities have transitioned from the tabular MSAG and ESNs to GIS based Location Validation Function (LVF) and Emergency Call Routing Function (ECRF).

• 9-1-1 authorities have accurate and complete GIS systems, which are used to provision the LVF and ECRF. A change to the 9-1-1Authority’s GIS system automatically propagates to the ECRF and LVF and immediately affects routing.

• Civic location will be validated by the access network against the LVF prior to an emergency call being placed. This is analogous to MSAG validation.

• Federal, State and local laws, regulations and rules may need to be modified to support NG9-1-1 system deployment.

• While NG9-1-1 is based on protocols that are international, and are designed to allow visitors and equipment not of North American origin to work with NG9-1-1, the specific protocol mechanisms, especially interworking of legacy telecom and ESInet protocols is North American-specific and may not be applicable in other areas.
Communication Approach

- OEM Transitional NG9-1-1 Webinar – May 30\textsuperscript{th} from 1:00 – 3:00 Pacific

- Communication as needed (e-mail/phone) with Advisory Chair and Committee Members
Next Steps

- OEM will provide electronic copy of presentation materials to Regional PSAP Advisory Committee Members

- Advisory Committee shares approach with PSAP community seeking feedback from each respective regions:
  - Collect recommendations
  - Identify any major gaps in the proposed strategy
  - Feedback on sequencing of activities

- Advisory Committee provide OEM feedback to determine the value of recommendations and evaluate potential impacts against original proposed strategy

- Determine time needed to collect regional feedback and future meeting schedules
Text to 9-1-1
OREGON
Text to 9-1-1
May 2017
Protected: For PSAP Users

This content is password protected. To view it please enter your password below:

Password: [Input Field] Enter

PSAP911text (it is case sensitive on the PSAP).
Protected: For PSAP Users

Welcome to Text-to-911 Resources for Public Safety Answering Points

The following resources are intended to help you navigate the process of securing your own interim text-to-911 solution within the State of Oregon and Southwest Washington.

Product Selection Research
- TCS Solution Versus Intrado Solution
- FCC Text-to-911 webpage (look for Current Listing of PSAP deployments about mid-page)

Action Forms for Text Solutions
- Sample Carrier Letter

Policy Development
- Regional Model Policy (June 16, 2016)
- Sample Localized Policy (Clackamas 911)

Admin, Testing, Transcript & Evaluation Info
- Quick Messages
- ECATS Session Transcript Sample
- Sample Test Message Script

Training Information
- TCS E-Media PSAP User Guide
- TCS E-Media Simulator
- Dispatcher Training: What To Expect (Clackamas 911)
- Dispatcher Training: Scenario "At Your Desk" Practice Guide (Clackamas 911)

Public Education Tools
- NENA Text-to-911 Website
- Presentation: Leslie Taylor / APCO Meeting in May 2016
- Presentation: Centroid Explanation
- Public Education Committee (PEC): Community Brochure
- PEC: First Responder Brochure
- PEC: Talking Points
- PEC: News Release Template for YES
- PEC: News Release Template for NO
ECATS – or.ecats911.com
Please go to website for support to add users or reset a password!
### Sessions Per Hour

**Clackamas County Communications**

2200 Kaen Rd.

Oregon City, 97045  
County: Clackamas

Year: 2017  
Agency Affiliation: Police

| Date     | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 | Total |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| May 2017 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 1     | 1     | 0     | 1     | 2     | 0     | 0     | 1     | 1     | 0     | 1     | 0     | 10    |
| Total    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 1     | 1     | 0     | 1     | 2     | 0     | 0     | 1     | 1     | 0     | 1     | 0     | 10    |

**Report Date:** 05/18/2017 09:22:28  
**Report Date From:** 05/01/2017  
**Report Date To:** 05/18/2017  
**Period Group:** Month  
**Time Group:** 60 Minute  
**Time Block:** 00:00 - 23:59

Text Sessions by Hour for May
### Messages Per Hour By Carrier

**Clackamas County Communications**  
2200 Kaen Rd.  
Oregon City, 97045  
County: Clackamas

**Agency Affiliation:** Police

Sessions shown contain the entire SMS session from the caller’s perspective, including all SMS transfers that occurred. Sessions where no messages were sent are excluded.

#### Overall Totals

<table>
<thead>
<tr>
<th>Carrier</th>
<th>Number of Sessions</th>
<th>Number of Inbound Messages</th>
<th>Number of Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intrado1</td>
<td>3</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>Intrado2</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Intrado3</td>
<td>1</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Intrado4</td>
<td>2</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>TIMOBILE</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Verizon</td>
<td>2</td>
<td>13</td>
<td>11</td>
</tr>
<tr>
<td><strong>Grand Totals</strong></td>
<td><strong>10</strong></td>
<td><strong>24</strong></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>

![Bar chart showing message counts by carrier](chart.png)
## Clackamas County Communications

**Total Calls:** 305

<table>
<thead>
<tr>
<th>Open CDR Report</th>
<th>Psap Name</th>
<th>Seizure DateTime</th>
<th>Call Type</th>
<th>ALI ANI</th>
<th>Class Of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Clackamas County Communications</td>
<td>5/17/2017 00:16:40</td>
<td>911 Calls</td>
<td>503-884-7981</td>
<td>WPH2</td>
</tr>
<tr>
<td></td>
<td>Clackamas County Communications</td>
<td>5/17/2017 00:30:17</td>
<td>911 Calls</td>
<td>503-726-6864</td>
<td>WPH2</td>
</tr>
<tr>
<td></td>
<td>Clackamas County Communications</td>
<td>5/17/2017 00:35:16</td>
<td>911 Calls</td>
<td>503-595-7028</td>
<td>WPH2</td>
</tr>
<tr>
<td></td>
<td>Clackamas County Communications</td>
<td>5/17/2017 00:42:45</td>
<td>911 Calls</td>
<td>503-595-7028</td>
<td>WPH1</td>
</tr>
<tr>
<td></td>
<td>Clackamas County Communications</td>
<td>5/17/2017 00:43:03</td>
<td>911 Calls</td>
<td>503-595-7028</td>
<td>WPH2</td>
</tr>
<tr>
<td></td>
<td>Clackamas County Communications</td>
<td>5/17/2017 01:06:38</td>
<td>911 Calls</td>
<td>971-276-2748</td>
<td>WPH2</td>
</tr>
<tr>
<td></td>
<td>Clackamas County Communications</td>
<td>5/17/2017 01:12:09</td>
<td>911 Calls</td>
<td>503-462-4533</td>
<td>WPH2</td>
</tr>
<tr>
<td></td>
<td>Clackamas County Communications</td>
<td>5/17/2017 01:13:54</td>
<td>911 Calls</td>
<td>503-847-5927</td>
<td>WPH2</td>
</tr>
<tr>
<td></td>
<td>Clackamas County Communications</td>
<td>5/17/2017 01:17:46</td>
<td>911 Calls</td>
<td>503-723-7321</td>
<td>RESD</td>
</tr>
<tr>
<td></td>
<td>Clackamas County Communications</td>
<td>5/17/2017 01:27:29</td>
<td>911 Calls</td>
<td>503-669-3449</td>
<td>VOIP</td>
</tr>
<tr>
<td></td>
<td>Clackamas County Communications</td>
<td>5/17/2017 01:43:06</td>
<td>911 Calls</td>
<td>911-169-8650</td>
<td>WPH1</td>
</tr>
</tbody>
</table>
Call Detail Record
With Pocket Dial Filtering
9-1-1 TAX DISTRIBUTION & 1%

Gordon Tiemeyer, 9-1-1 PSAP Relations Analyst
Hood River Conference
May 23, 2017
ORS 403.240 Distribution of account proceeds; uses; reimbursement request review; reports.

(8) After all amounts under subsections (1) and (2) of this section and ORS 403.235 (2) have been paid, the office shall allocate the balance of the Emergency Communications Account to cities on a per capita basis and to counties on a per capita basis of each county’s unincorporated area for distribution directly to 9-1-1 jurisdictions as directed by the city or county. However, each county must be credited a minimum of one percent of the balance of the account after the amounts under subsections (1) and (2) of this section and ORS 403.235 (2) have been paid.
9-1-1 TAX DISTRIBUTION

• Distribution amount is the tax collection amount, after subtracting for:
  • Dept. of Revenue, up to 1% amount
  • OEM Admin, up to 4% amount
  • 35% to 9-1-1 Subaccount
  • Remainder is then distributed.
9-1-1 TAX DISTRIBUTION

• Distribution calculation handled by DAS

• Maintains city/county populations and processes for several types of distributions throughout the state.

• Population figures updated and provided by Portland State University Population Research Center
Population

• 4,013,843 Total
• 2,777,113 Incorporated – *Inside* the cities
• 1,236,730 Unincorporated – *Outside* the cities

• 241 Cities
• 36 Counties

• Which county has the fewest incorporated cities?
  ➢ Crook – 1

• Which county has the most?
  ➢ Marion – 19
“...to counties on a per capita basis of each county’s unincorporated area for distribution directly to 9-1-1 jurisdictions as directed by the city or county. However, each county must be credited a minimum of one percent of the balance of the account...”

Interpreted to mean that each county is credited with either the 1% amount or what amount the per capita of the unincorporated would be, whichever is larger.
9-1-1 TAX DISTRIBUTION - 1%

• Determine 1% amount

$6,232,481.55 \times 1\% = $62,324.82

Now determine which counties might have a larger amount than this 1% amount, based on the population of their unincorporated area.
9-1-1 TAX DISTRIBUTION - 1%

• Baker County unincorporated population divided by total population to reach percentage.

\[ \frac{4,928}{4,013,843} = 0.1228\% \]

\[ 0.1228\% \times \$6,232,481.55 = \$7,651.93 \]

Less then $62,324.82, so Baker County is allotted the larger 1% amount.
9-1-1 TAX DISTRIBUTION - 1%

Counties that receive more than 1% based on their unincorporated populations are:

- Deschutes 58,430
- Douglas 59,065
- Jackson 66,148
- Marion 90,919
- Lane 97,485
- Clackamas 179,177
- Washington 237,963
9-1-1 TAX DISTRIBUTION - 1%

• For remainder of distribution.

• Unincorporated population and amount of 1% counties is removed.

• Standard determination is completed to find per capita amount for remainder
9-1-1 TAX DISTRIBUTION - 1%

• Note that this credit is for each county, not 9-1-1 jurisdiction.

• Amount is paid to the 9-1-1 jurisdiction that serves the unincorporated area of the county.

• For multiple PSAP counties, it is divided up based on percentages.

• These percentages are built in to the DAS calculation.
9-1-1 TAX DISTRIBUTION - 1%

• Clatsop County

• Served by City of Astoria PSAP and City of Seaside PSAP.

• County 1% amount is split between the two based on a percentage of unincorporated area of the county served.
9-1-1 TAX DISTRIBUTION - 1%

• Polk County (No 9-1-1 jurisdiction)

• Served by City of Salem PSAP (WVCC) and YCOM PSAP.

• Again, split based on a percentage.
9-1-1 TAX DISTRIBUTION - 1%

• Umatilla County

• City of Milton - Freewater PSAP serves just their respective city, so only get their city’s share.

• County 1% goes to Umatilla County PSAP, which serves all of the county unincorporated area.
9-1-1 TAX DISTRIBUTION - 1%

Questions?
Future Update

Toni Sexton, President, Oregon APCO/NENA
GIS/MSAG
FUNDING POLICY
GIS/MSAG FUNDING POLICY GOALS

- Support both current operational and transitional NG needs
- Focus less on time expended and more on results
- Variable, based on population (in-line with PSAP distribution process)
- Flexibility for recognized differences in needs/focus
- Diminish administrative burden without weakening accountability
- Improve identified weaknesses in current policy
  - Special Projects
  - Multiple entities and jurisdictional issues
  - Data sharing
- Full stakeholder participation
## WORKGROUP SCHEDULE

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8 – 5/12</td>
<td>MEETING #1</td>
</tr>
<tr>
<td>5/15 – 5/19</td>
<td>MEETING #2</td>
</tr>
<tr>
<td>5/22 – 5/26 (Quarterly)</td>
<td>Individual input</td>
</tr>
<tr>
<td>5/29 – 6/2 (holiday and vacation)</td>
<td>Individual input</td>
</tr>
<tr>
<td>6/5 – 6/9 (NENA 2017)</td>
<td>Individual input</td>
</tr>
<tr>
<td>6/12 – 6/16</td>
<td>MEETING #3</td>
</tr>
<tr>
<td>6/19 – 6/23</td>
<td>MEETING #4</td>
</tr>
<tr>
<td>6/26 – 6/30</td>
<td>Final DRAFT</td>
</tr>
<tr>
<td>NAME</td>
<td>REPRESENTING</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Michael Gurley</td>
<td>State 911 Program</td>
</tr>
<tr>
<td>Jeff Rusiecki</td>
<td>Region 1 (Clatsop, Columbia, Tillamook, Lincoln)</td>
</tr>
<tr>
<td>Ian Crawford</td>
<td>Region 2 (Clackamas, Washington, Yamhill)</td>
</tr>
<tr>
<td>Laura Wolfe</td>
<td>Region 3 (Multnomah)</td>
</tr>
<tr>
<td>Gina Audritsh</td>
<td>Region 4 (Marion, Polk)</td>
</tr>
<tr>
<td>Steve Reinke</td>
<td>Region 5 (Hood River, Wasco, Jefferson, Deschutes, Crook, Wheeler, Gilliam, Sherman, Morrow)</td>
</tr>
<tr>
<td>Deb Rozeboom</td>
<td>Region 6 (Umatilla, Grant, Harney, Wallowa, Union, Baker, Malheur)</td>
</tr>
<tr>
<td>Keith Massie</td>
<td>Region 7 (Benton, Linn, Lane)</td>
</tr>
<tr>
<td>Cynde Black</td>
<td>Region 8 (Coos, Douglas, Curry)</td>
</tr>
<tr>
<td>Chad Pliler</td>
<td>Region 9 (Josephine, Jackson, Klamath, Lake)</td>
</tr>
</tbody>
</table>
QUESTIONS?

Michael Gurley
NG9-1-1 Deputy Project Manager

michael.gurley@state.or.us

503-378-3229