SCAPPOOSE Oregon

# WELCOME

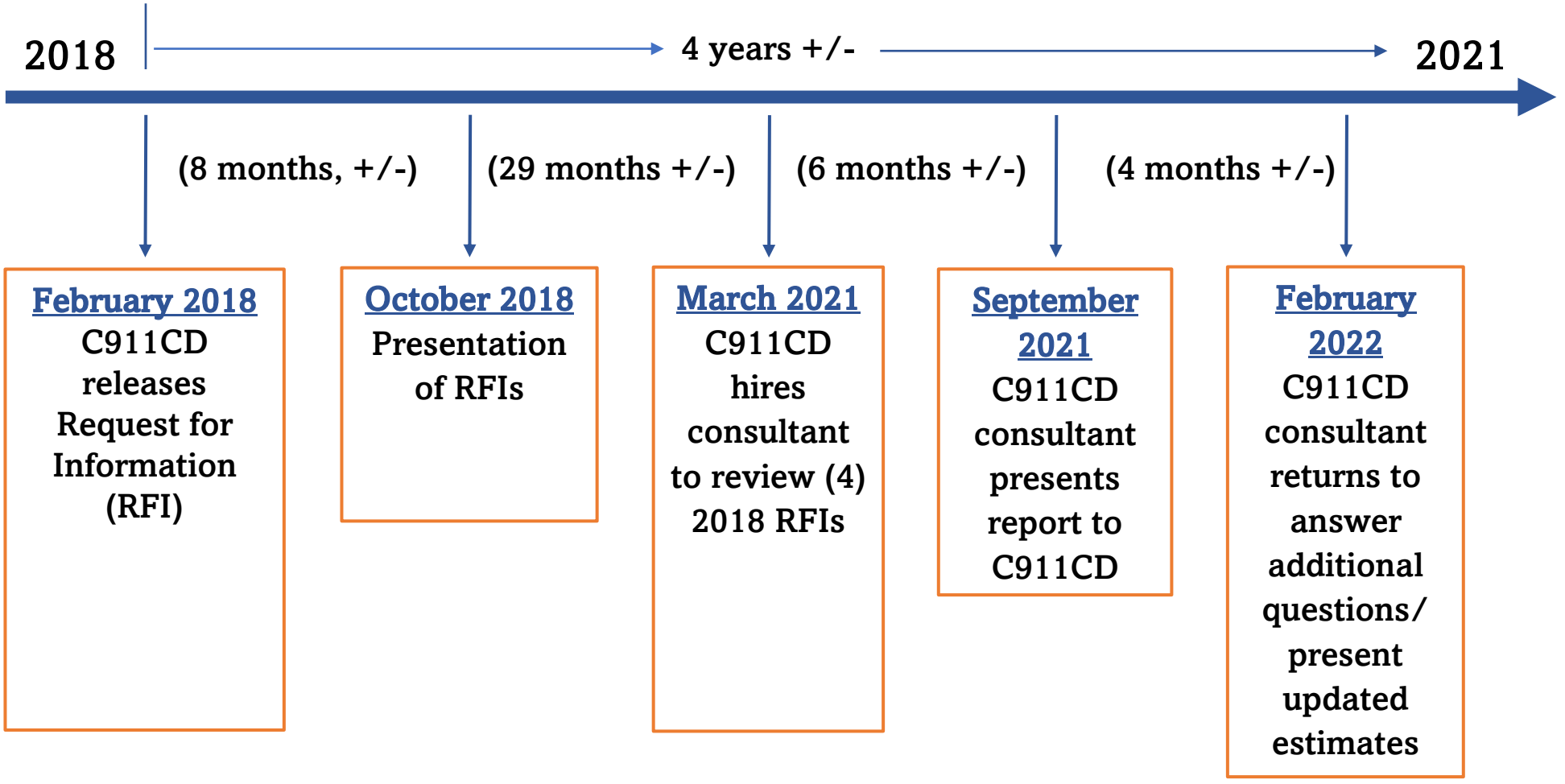
## To the Tait Communications Presentation

**November 29, 2022**



# PROJECT HISTORY

## 2018 – 2021



# C911CD CONSULTANT'S PRESENTATION

## FEBRURAY 1, 2022

## Recap of Alternatives Differences

| System Alternatives Comparison | | | | |
|---|---|---|---|---|
| ***Item*** | ***Alternative 1 VHF System*** | ***Alternative 2 700 MHz*** | ***Alternative 3 CRESA*** | ***Alternative 4 WCCCA*** |
| **Ownership and control** | • District-owned<br>• Full control | • District-owned<br>• Full control | • CRESA-owned<br>• Shared control | • WCCCA-owned<br>• Shared control |
| **Technology** | • Analog<br>• Conventional | • P25 Phase 1<br>• Conventional | • P25 Phase 1<br>• Trunking | • P25 Phase 2<br>• Trunking |
| **Spectrum** | VHF | 700 MHz | 800 MHz | 800 MHz |
| **Mobile radio coverage** | 95% | 99% | 97% | 98% |
| **In-building coverage of industrial, commercial, and residential areas** | 15% | 75% | 60% | 65% |

1

2

# C911CD CONSULTANT'S PRESENTATION

## FEBRURAY 1, 2022

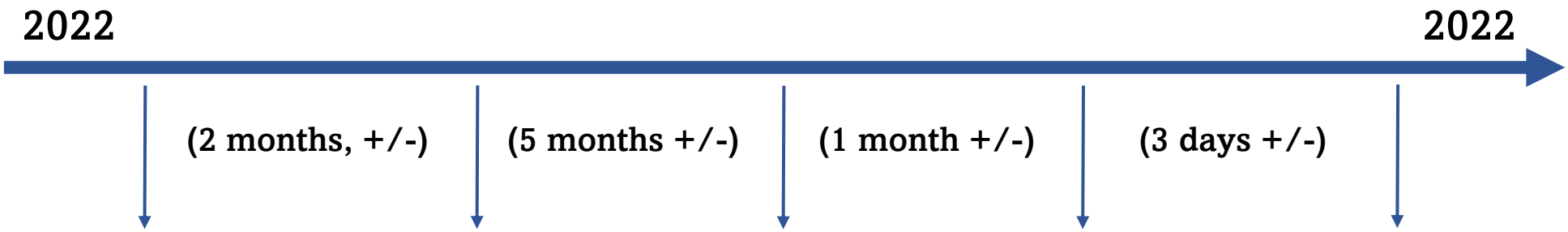
## Recap of Alternatives Differences

| System Alternatives Comparison | | | | |
|---|---|---|---|---|
| *Item* | *Alternative 1 VHF System* | *Alternative 2 700 MHz* | *Alternative 3 CRESA* | *Alternative 4 WCCCA* |
| **Features** | • No added features | • P25 std. features<br>• AES encryption | • P25 std. features<br>• AES encryption<br>• OTAR<br>• GPS<br>• Smartphone Integration | • P25 std. features<br>• AES encryption<br>• OTAR<br>• OTAP<br>• GPS<br>• Smartphone Integration |
| **Subscriber units** | • Re-use existing VHF radios | • New dual-band VHF/700MHz radios | • New dual-band VHF/800MHz radios | • New dual-band VHF/800MHz radios |
| **Estimated 20-year cost to acquire and maintain** | **$11,590,000** | **$29,560,000** | **$27,750,000** | **$35,770,000** |

3

# CURRENT EVENTS

## 2022




**March 2022**

City of Scappoose Introduced to Tait Communications representatives at IWCE event

**May 2022**

Opportunity presented for Tait to complete engineering and a proposal

**October 2022**

City of Scappoose presents date poll to schedule Tait's engineering and proposal

**November 2022**

Tait comes to Columbia County to present engineering and proposal

**December 2022**

Tait will present again on 12/1/2022 at the Columbia Center @10 AM.

Motorola will present at 2 PM.

# CITY'S OBJECTIVES

## BRING MORE INFORMATION / OPTIONS FORWARD

1. Capture up to date Need Requirements of the end users (first responders).
2. Based on the Need Requirements, design a radio system that meets the requirements.
3. Determine which vendor/manufacture can meet the Need Requirements at the lowest overall cost to the taxpayers.

# SURVEY

## Who was interviewed and why

- The sheriff and each police chief (or acting police chief)
- 3 of the 5 fire district chiefs/battalion chiefs within Columbia County, plus Wauna Westport Fire & Rescue
- Each school district superintendent
- Each city manager
- County department heads (e.g., public works, land development, general services, etc.)
- Public works directors for the cities
- Clatskanie PUD, Columbia River PUD and West Oregon Electric general managers and operations managers

# LAW ENFORCEMENT AGENCY SURVEY RESULTS

Rating scale used by agency representatives responding to the below questions: 10: Extremely Important 5: Desired 0: Not Needed

| # | CHARACTERISTIC | CCSO | RPD | CCPD | SHPD | VPD | SPD | TOTAL |
|---|---|---|---|---|---|---|---|---|
| 1 | Reliable portable radio coverage outdoors (roads, parking lots, driveways, etc.) | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 2 | Reliable portable radio coverage indoors/inside buildings | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 3 | Reliable portable radio coverage “from the hip” (belt or vest mounted) | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 4 | Reliable portable radio coverage at least 10-miles into neighboring counties | 10 | 8 | 10 | 8 | 10 | 10 | 56 / 60 |
| 5 | Location services/AVL from mobiles & portable radios; connected to CAD maps | 10 | 8 | 10 | 10 | 10 | 10 | 58 / 60 |
| 6 | PTT Identification on all radios for all transmissions | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 7 | Emergency buttons supported and enabled on all public safety radios | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 8 | Encryption on at least all non-dispatch talk groups | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 9 | Scanner feed audio delay of at least 30-minutes on non-encrypted talk groups | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 10 | Designed for resiliency to withstand severe adverse conditions, such as Cascadia earthquake event and severe winter weather events and wind | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 11 | Emergency ops / incident command talk groups for each city and the county | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 12 | Ability to communicate via system with public works, schools, electric providers | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 13 | Ability to seamlessly communicate with OSP, Clatsop, Cowlitz, Longview, Multnomah, and Washington County first responders. | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 14 | Talk group needs (review initial concept list, provide any feedback and rating) | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 15 | Smartphone application to access radio system from anywhere there is LTE/5G | 10 | 8 | 8 | 8 | 7 | 10 | 51 / 60 |
| 16 | Cache of portable radios for checkout during training, events, incidents, SAR | 10 | 10 | 10 | 10 | 10 | 10 | 60 / 60 |
| 17 | Data radio channel for mobile computer data when LTE/5G is out of range | 10 | 10 | 10 | 10 | 10 | 8 | 58 / 60 |

# FIRE DISTRICT SURVEY RESULTS

Rating scale used by agency representatives responding to the below questions: 10: Extremely Important 5: Desired 0: Not Needed

| # | CHARACTERISTIC | WWFR | MBRFPD | VRFPD | SRFPD | TOTAL |
|---|---|---|---|---|---|---|
| 1 | Reliable portable radio coverage outdoors (roads, parking lots, driveways, etc.) | 10 | 10 | 10 | 10 | 40 / 40 |
| 2 | Reliable portable radio coverage indoors/inside buildings | 10 | 10 | 10 | 8 | 38 / 40 |
| 3 | Reliable portable radio coverage “from the hip” (belt, strap, or vest/chest mounted) | 10 | 10 | 8 | 8 | 36 / 40 |
| 4 | Reliable mobile radio coverage on transport routes / into neighboring counties | * | 10 | 10 | 10 | 30 / 30 |
| 5 | Location services/AVL from mobiles & portable radios; connected to CAD maps | 10 | 5 | 7 | 10 | 32 / 40 |
| 6 | PTT Identification on all radios for all transmissions | 10 | 10 | 10 | 10 | 40 / 40 |
| 7 | Emergency buttons supported and enabled on all public safety radios | 10 | 10 | 10 | 10 | 40 / 40 |
| 8 | Designed for resiliency to withstand severe adverse conditions, such as Cascadia earthquake event and severe winter weather events and wind | 10 | 10 | 10 | 10 | 40 / 40 |
| 9 | Emergency ops / incident command talk groups for each city and the county | * | 6 | 10 | 10 | 26 / 30 |
| 10 | Ability to communicate via system with public works, schools, electric providers | * | 5 | 5 | 8 | 18 / 30 |
| 11 | Ability to seamlessly communicate with OSP, Clatsop, Cowlitz, Longview, Multnomah, and Washington County first responders. | 10 | 8 | 8 | 8 | 34 / 40 |
| 12 | Talk group needs (review initial concept list, provide any feedback and rating) | 10 | 10 | 10 | 10 | 40 / 40 |
| 13 | Smartphone application to access radio system from anywhere there is LTE/5G | 10 | 10 | 10 | 10 | 40 / 40 |
| 14 | Cache of portable radios for checkout during training, events, incidents, SAR | 10 | 10 | 10 | 8 | 38 / 40 |
| 15 | Data radio channel for mobile computer data when LTE/5G is out of range | 10 | 10 | 5 | 10 | 35 / 40 |
| 16 | Reliable voice pager coverage throughout the 9-1-1 district service area | 0 | 10 | 10 | 10 | 30 / 30 |

- Clatskanie Rural Fire Protection District and Columbia River Fire and Rescue did not respond/participate.
- * Agency advised during interview the question does not really apply to Westport Wauna Fire & Rescue because their primary interface is with Clatsop County.

## CITY AND COUNTY PUBLIC WORKS DEPARTMENTS

Rating scale used by agency representatives responding to the below questions: 10: Extremely Important 5: Desired 0: Not Needed

| # | CHARACTERISTIC | COUNTY PW | CLATS PW | RAINIER PW | C CITY PW |
|---|---|---|---|---|---|
| 1 | Reliable portable radio coverage outdoors (roads, parking lots, driveways, etc.) | 10 | 10 | 10 | 10 |
| 2 | Reliable portable radio coverage indoors/inside buildings | 6 | 8 | 10 | 10 |
| 3 | Reliable portable radio coverage “from the hip” (belt or vest mounted) | 10 | 5 | 10 | 7 |
| 4 | Reliable portable radio coverage at least 10-miles into neighboring counties | 4 | 0 | 8 | 0 |
| 5 | Location services/AVL from mobiles & portable radios; connected to CAD maps | 6 | 10 | 8 | 10 |
| 6 | PTT Identification on all radios for all transmissions | 8 | 10 | 10 | 10 |
| 7 | Emergency buttons supported and enabled on all public safety radios | 8 | 10 | 10 | 10 |
| 8 | Encryption on at least all non-dispatch talk groups | Not applicable to public works | | | |
| 9 | Scanner feed audio delay of at least 30-minutes on non-encrypted talk groups | Not applicable to public works | | | |
| 10 | Designed for resiliency to withstand severe adverse conditions, such as Cascadia earthquake event and severe winter weather events and wind | 10 | 10 | 10 | 10 |
| 11 | Emergency ops / incident command talk groups for each city and the county | 7 | 8 | 10 | 10 |
| 12 | Ability to communicate via system with public works, schools, electric providers | 10 | 8 | 10 | 10 |
| 13 | Ability to seamlessly communicate with OSP, Clatsop, Cowlitz, Longview, Multnomah, and Washington County first responders. | 7 | 0 | 0 | 0 |
| 14 | Talk group needs (review initial concept list, provide any feedback and rating) | 10 | 10 | 10 | 10 |
| 15 | Smartphone application to access radio system from anywhere there is LTE/5G | 6 | 8 | 8 | 0 |
| 16 | Cache of portable radios for checkout during training, events, incidents, SAR | Not applicable to public works | | | |
| 17 | Data radio channel for mobile computer data when LTE/5G is out of range | Not applicable to public works | | | |

## CITY AND COUNTY PUBLIC WORKS DEPARTMENTS (CONTINUED)

Rating scale used by agency representatives responding to the below questions: 10: Extremely Important 5: Desired 0: Not Needed

| # | CHARACTERISTIC | ST. H PW | VERN PW | SCAPP PW | TOTAL |
|---|---|---|---|---|---|
| 1 | Reliable portable radio coverage outdoors (roads, parking lots, driveways, etc.) | 10 | 10 | 10 | 70 / 70 |
| 2 | Reliable portable radio coverage indoors/inside buildings | 10 | 10 | 10 | 64 / 70 |
| 3 | Reliable portable radio coverage “from the hip” (belt or vest mounted) | 7 | 10 | 8 | 57 / 70 |
| 4 | Reliable portable radio coverage at least 10-miles into neighboring counties | 0 | 8 | 0 | 20 / 70 |
| 5 | Location services/AVL from mobiles & portable radios; connected to CAD maps | 10 | 10 | 8 | 62 / 70 |
| 6 | PTT Identification on all radios for all transmissions | 10 | 10 | 8 | 66 / 70 |
| 7 | Emergency buttons supported and enabled on all public safety radios | 10 | 10 | 8 | 66 / 70 |
| 8 | Encryption on at least all non-dispatch talk groups | Not applicable to public works | | | |
| 9 | Scanner feed audio delay of at least 30-minutes on non-encrypted talk groups | Not applicable to public works | | | |
| 10 | Designed for resiliency to withstand severe adverse conditions, such as Cascadia earthquake event and severe winter weather events and wind | 10 | 10 | 10 | 70 / 55 |
| 11 | Emergency ops / incident command talk groups for each city and the county | 10 | 10 | 10 | 65 / 70 |
| 12 | Ability to communicate via system with public works, schools, electric providers | 10 | 10 | 10 | 68 / 70 |
| 13 | Ability to seamlessly communicate with OSP, Clatsop, Cowlitz, Longview, Multnomah, and Washington County first responders. | 5 | 0 | 0 | 12 / 70 |
| 14 | Talk group needs (review initial concept list, provide any feedback and rating) | 10 | 10 | 10 | 70 / 70 |
| 15 | Smartphone application to access radio system from anywhere there is LTE/5G | 10 | 10 | 10 | 60 / 60 |
| 16 | Cache of portable radios for checkout during training, events, incidents, SAR | Not applicable to public works | | | |
| 17 | Data radio channel for mobile computer data when LTE/5G is out of range | Not applicable to public works | | | |

# OTHER COUNTY GOVERNMENT DEPARTMENTS

Rating scale used by agency representatives responding to the below questions: 10: Extremely Important 5: Desired 0: Not Needed

| # | CHARACTERISTIC | GENERAL SERVS | LAND DEVELOP | TOTAL |
|---|---|---|---|---|
| 1 | Reliable portable radio coverage outdoors (roads, parking lots, driveways, etc.) | 10 | 10 | 20 / 20 |
| 2 | Reliable portable radio coverage indoors/inside buildings | 10 | 10 | 20 / 20 |
| 3 | Reliable portable radio coverage “from the hip” (belt or vest mounted) | 0 | 5 | 5 / 20 |
| 4 | Reliable portable radio coverage at least 10-miles into neighboring counties | 0 | 0 | 0 / 20 |
| 5 | Location services/AVL from mobiles & portable radios; connected to CAD maps | 10 | 10 | 20 / 20 |
| 6 | PTT Identification on all radios for all transmissions | 10 | 10 | 20 / 20 |
| 7 | Emergency buttons supported and enabled on all public safety radios | 10 | 10 | 20 / 20 |
| 8 | Encryption on at least all non-dispatch talk groups | Not applicable to other government departments | | |
| 9 | Scanner feed audio delay of at least 30-minutes on non-encrypted talk groups | Not applicable to other government departments | | |
| 10 | Designed for resiliency to withstand severe adverse conditions, such as Cascadia earthquake event and severe winter weather events and wind | 10 | 10 | 20 / 20 |
| 11 | Emergency ops / incident command talk groups for each city and the county | 10 | 10 | 20 / 20 |
| 12 | Ability to communicate via system with public works, schools, electric providers | 8 | 10 | 18 / 18 |
| 13 | Ability to seamlessly communicate with OSP, Clatsop, Cowlitz, Longview, Multnomah, and Washington County first responders. | Not applicable to other government departments | | |
| 14 | Talk group needs (review initial concept list, provide any feedback and rating) | 10 | 10 | 20 / 20 |
| 15 | Smartphone application to access radio system from anywhere there is LTE/5G | 10 | 8 | 18 / 20 |
| 16 | Cache of portable radios for checkout during training, events, incidents, SAR | Not applicable to other government departments | | |
| 17 | Data radio channel for mobile computer data when LTE/5G is out of range | Not applicable to other government departments | | |

- Columbia County Accessor’s Office, Emergency Management, Public Health, and Transit did not participate.

# SCHOOL DISTRICTS

Rating scale used by agency representatives responding to the below questions: 10: Extremely Important 5: Desired 0: Not Needed

| # | CHARACTERISTIC | CSD | RSD | SHSD | VSD | SSD | TOTAL |
|---|---|---|---|---|---|---|---|
| 1 | Reliable portable radio coverage outdoors (roads, parking lots, driveways, etc.) | 10 | 10 | 10 | 10 | 10 | 50 / 50 |
| 2 | Reliable portable radio coverage indoors/inside buildings | 10 | 10 | 10 | 10 | 10 | 50 / 50 |
| 3 | Reliable portable radio coverage “from the hip” (belt or vest mounted) | 5 | 0 | 7 | 0 | 0 | 12 / 50 |
| 4 | Reliable portable radio coverage at least 10-miles into neighboring counties | Not applicable to school districts | | | | | |
| 5 | Location services/AVL from mobiles & portable radios; connected to CAD maps | 10 | 2 | 10 | 10 | 0 | 32 / 50 |
| 6 | PTT Identification on all radios for all transmissions | 10 | 10 | 10 | 10 | 10 | 50 / 50 |
| 7 | Emergency buttons supported and enabled on all public safety radios | 10 | 10 | 10 | 10 | 10 | 50 / 50 |
| 8 | Encryption on at least all non-dispatch talk groups | Not applicable to school districts | | | | | |
| 9 | Scanner feed audio delay of at least 30-minutes on non-encrypted talk groups | Not applicable to school districts | | | | | |
| 10 | Designed for resiliency to withstand severe adverse conditions, such as Cascadia earthquake event and severe winter weather events and wind | 10 | 10 | 10 | 10 | 10 | 50 / 50 |
| 11 | Emergency ops / incident command talk groups for each city and the county | 10 | 8 | 8 | 10 | 10 | 46 / 50 |
| 12 | Ability to communicate via system with public works, schools, electric providers | 10 | 7 | 10 | 10 | 10 | 47 / 50 |
| 13 | Ability to seamlessly communicate with OSP, Clatsop, Cowlitz, Longview, Multnomah, and Washington County first responders. | Not applicable to school districts | | | | | |
| 14 | Talk group needs (review initial concept list, provide any feedback and rating) | 10 | 10 | 10 | 10 | 10 | 50 / 50 |
| 15 | Smartphone application to access radio system from anywhere there is LTE/5G | 10 | 8 | 10 | 10 | 5 | 43 / 50 |
| 16 | Cache of portable radios for checkout during training, events, incidents, SAR | Not applicable to school districts | | | | | |
| 17 | Data radio channel for mobile computer data when LTE/5G is out of range | Not applicable to school districts | | | | | |

# ELECTRIC UTILITY PROVIDERS

Rating scale used by agency representatives responding to the below questions: 10: Extremely Important 5: Desired 0: Not Needed

| # | CHARACTERISTIC | CPUD | CRPUD | WEST OR | TOTAL |
|---|---|---|---|---|---|
| 1 | Reliable portable radio coverage outdoors (roads, parking lots, driveways, etc.) | 10 | 10 | 10 | 30 / 30 |
| 2 | Reliable portable radio coverage indoors/inside buildings | 7 | 5 | 10 | 22 / 30 |
| 3 | Reliable portable radio coverage “from the hip” (belt or vest mounted) | 7 | 5 | 5 | 17 / 30 |
| 4 | Reliable portable radio coverage at least 10-miles into neighboring counties | 5 | 0 | 10 | 15 / 30 |
| 5 | Location services/AVL from mobiles & portable radios; connected to CAD maps | 5 | 5 | 7 | 17 / 30 |
| 6 | PTT Identification on all radios for all transmissions | 8 | 5 | 7 | 20 / 30 |
| 7 | Emergency buttons supported and enabled on all public safety radios | 8 | 5 | 7 | 20 / 30 |
| 8 | Encryption on at least all non-dispatch talk groups | Not applicable to electric utility providers | | | |
| 9 | Scanner feed audio delay of at least 30-minutes on non-encrypted talk groups | Not applicable to electric utility providers | | | |
| 10 | Designed for resiliency to withstand severe adverse conditions, such as Cascadia earthquake event and severe winter weather events and wind | 10 | 10 | 10 | 30 / 30 |
| 11 | Emergency ops / incident command talk groups for each city and the county | 8 | 10 | 7 | 25 / 30 |
| 12 | Ability to communicate via system with public works, schools, electric providers | 8 | 10 | 7 | 25 / 30 |
| 13 | Ability to seamlessly communicate with OSP, Clatsop, Cowlitz, Longview, Multnomah, and Washington County first responders. | Not applicable to electric utility providers | | | |
| 14 | Talk group needs (review initial concept list, provide any feedback and rating) | 10 | 10 | 10 | 30 / 30 |
| 15 | Smartphone application to access radio system from anywhere there is LTE/5G | 10 | 5 | 5 | 20 / 30 |
| 16 | Cache of portable radios for checkout during training, events, incidents, SAR | Not applicable to electric utility providers | | | |
| 17 | Data radio channel for mobile computer data when LTE/5G is out of range | Not applicable to electric utility providers | | | |

## DETAILED ACCOUNTING OF RADIO NEEDS AND RELATED COST FOR ALL (7) ENTITY TYPES

Includes totals for all law enforcement agencies, fire districts, 4 radios per school, plus 4 for each school district admin office, public works, city and county government services, the three electric utility providers within the county, C911CD admin and backup radios for dispatch consoles.

| # | Item | Quantity Needed |
|---|---|---|
| 1 | Portable (handheld) radio, single band | 474 |
| 2 | Portable (handheld) radio, dual band | 362 |
| 3 | Extra battery | 837 |
| 4 | Extra single unit charger | 180 |
| 5 | Vehicle charger | 202 |
| 6 | Speaker microphone, new public safety version | 531 |
| 7 | Speaker microphone, heavy duty | 87 |
| 8 | Six unit charger | 61 |
| 9 | Replacement portable antenna, single band 7/800 | 91 |
| 10 | Replacement portable antenna, multiband VHF, 7/800. | 52 |
| 11 | Service monitor test, FW update, programming (handheld) | 836 |
| 12 | Mobile radio, single band, dash mount, w/15 watt speaker | 250 |
| 13 | Mobile radio, single band, remote mount, w/15 watt speaker | 104 |
| 14 | Mobile radio, dual band, dash mount, w/15 watt speaker | 94 |
| 15 | Mobile radio, dual band, remote mount, w/ 15 watt speaker | 120 |
| 16 | Dual head kit for mobile radio | 55 |
| 17 | Power supply for mobile to base conversion | 62 |
| 18 | Desktop kit for mobile to base conversion | 55 |
| 19 | Desktop microphone for mobile to base conversation | 55 |
| 20 | Radio antenna VHF, Laird BB1360WS | 172 |
| 21 | Radio antenna 7/800, Laird TRAB7603 | 286 |
| 22 | Radio antenna 7/800, PCTEL BMUF7603 (elevated feed) | 66 |
| 23 | NMO mount with 17’ coax and mini UHF, Laird MAB8M | 567 |
| 24 | GPS/Wi-Fi antenna, Panorama GPSF-24-58 | 342 |
| 25 | Radio/GPS/Wi-Fi antenna, Panorama GPSBAX AFM835 | 172 |
| 26 | Parts and installation (mobile; in vehicle radios) | 499 |
| 27 | Parts and installation (mobile converted to base) | 61 |
| 28 | Service monitor test, FW update, programming (mobile) | 568 |

# FUNDING CONSIDERATIONS

**BOND**

Can be used for capital purchases. For example, the new system could be funded by a bond. Recurring, annual expenses for maintenance, support, etc. **cannot** be funded by a bond. **Bonds do not count towards compression!**

**LEVY**

A levy is likely to also be needed for recurring annual expenses. Annual expenses could be warranty and support plans or services that cannot or were not included in the bond amount. **Levies do count** towards compression.

Parts of Vernonia, Clatskanie and Rainier are already in compression. Scappoose is $0.466 from compression, St. Helens $1.7936 from compression. Compression should be a concern for any entity in the county that relies on a levy to fund their operating needs.

# FUNDING CONSIDERATIONS

**COMPRESION IS A CONCERN**

*"The Cities of Clatskanie, Rainier and Vernonia are over the $10.00 in the government section. The $10.00 is times by the per thousand of real market value, this is the 1st part of a 2 part test. The second part is what is the lower tax, 10.00 times the per thousand of real market value or the full rate (that is over the $10.00) times the per thousand of assessed value. The tax payor/tax account pays on the lower calculated amount.*

*When the tax account is being calculated on the $10.00 times the per thousand of real market value because this is the lesser in the calculation, the Local Option levies then compress first, then if further compression is needed the permanent rate districts are compressed." - Columbia County Accessors Office, September 29, 2022*

# FUNDING CONSIDERATIONS

## EXAMPLE OF HOW WE CAN AVOID FURTHER COMPRESSION

- Owning vs. joining Washington County (WCCCA) or other neighboring system.
  - About $431.86 per radio would be paid to WCCCA, **per year, per radio, *just for system access* like a cell phone bill (**Refer to page 21 of the consultant's August 19, 2021 report.)
  - At $431.86 per radio and 792 radios between only law enforcement and fire district users, the annual total is $342,033.12. That means any **levy** to pay for the annual recurring expenses for system maintenance would increase by $342,033.12, just for law enforcement and fire district needed radios to use the WCCCA core/"backbone".
  - This illustrates one of many other reasons for C911CD to "own and operate" their own system.

# ALTENATIVE FUNDING

- ALTERNATIVE FUNDING SOURCES COULD BE EVALUATED TO REDUCE THE BURDEN ON TAXPAYERS.
- Can C911CD hire a consultant to help locate and apply for grants?
- Position C911CD to qualify for a wide range of grants, for example:
  - School safety related grants
    - Qualify by including all schools on the radio system?
  - Resiliency & natural disaster (Cascadia, etc.) preparedness related grants
    - Qualify by including on the radio system all public works, schools, land development, etc.?
  - County broadband project funding
    - Qualify by supporting rural wireless broadband equipment on radio system tower sites ($ to help build tower sites, etc.)?

# WRAP UP

- School safety enhancement opportunity
  - www.youtube.com/watch?v=yVjW_koGnWk&t=1s
  - www.youtube.com/watch?v=Kq3qNYE8Y4w
  - Expectation from the public/taxpayers

- Speakers
  - Sheriff Brian Pixley (officer safety considerations)
  - Michael Sykes, General Manager, Columbia River PUD
  - Mouhamad Zaher, Director, St. Helens Public Works

SCAPPOOSE Oregon

Contact: Tyler Miller, City Councilor | tmiller@cityofscappoose.org

# THANK YOU