



Regional Law, Safety and Justice Committee Presentation
9/24/2015

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Today's Network

- ▶ Substantially completed in 1997
- ▶ 4 partners/owners:
 - *Eastside Public Safety Communications Agency (EPSCA)*
 - *Valley Communications (ValleyCom)*
 - *City of Seattle*
 - *King County*
- ▶ 26 sites, governed by a **Joint Board**
- ▶ +100 user agencies with ~18,000 radios on system
 - Approximately 78% used by first responders



Why Do We Need A New Network?

- ▶ Current network is aging; increasing repairs
- ▶ Will not be supported after **December 31, 2018**
- ▶ Current network doesn't cover everywhere people live, work or play or everywhere responders must respond
- ▶ Capacity is strained during major events such as natural disasters



Future Network

- ▶ Complete in 2021
- ▶ One owner, operator, maintainer:
 - Centralized non-profit agency governed by a **Board of Directors**
- ▶ 46 radio sites
- ▶ +100 user agencies, +19,000 radios



What are the New Network Features?



- ▶ Improved: Coverage, Capacity, Capability and Connectivity
- ▶ All new electronic equipment (radio sites, end user equipment, dispatch consoles)
- ▶ More channels, GPS location capabilities, encryption capable, programming of radios over the air or at remote centers



Will the Project Provide New Radios?



- ▶ **Yes:** We will provide all new radios, mobile and portable
- ▶ **Rates:** Our best estimate at this time: decreased costs for most radio users (exception – Valley Communications customers) and a new rate for dispatch centers
- ▶ Project will buy “standard” radios; agencies must pay for “extra” features



Where are We Now?

- ▶ System Vendor Notice to Proceed (NTP) issued 7/1/2015
- ▶ Final system Detailed Design Review from NTP + 24 months
- ▶ Conducting site visits and surveys with Architecture and Engineering consultant, followed by leases, permits & construction soon
- ▶ Defining the “standard” radio configuration with a PSERN Task Force
- ▶ Project implementation agreements completed



What's Next?



- ▶ By Jul 2017: Finish Network Design, Leases, Permits, Site Construction, Testing and Training Plans Development, Operation and Maintenance Plans
- ▶ Jul 2017- Jun 2019: Manufacture, assemble, install and test electronic infrastructure
- ▶ Jun 2019 – Apr 2020 – Deploy end user radios and migrate operations
- ▶ Apr 2020 – Sep 2020 – Final network testing and acceptance



Key Milestone Dates



- ▶ Site construction –Jul 2017
- ▶ Factory acceptance testing – Sep 2017
- ▶ Microwave Radio installation/migration – Nov 2017
- ▶ Radio coverage testing – Feb 2019
- ▶ Operational/Functional Testing – Mar 2019
- ▶ Pilot Test – May 2019
- ▶ Migrate radio users – Apr 2020
- ▶ Full System Acceptance – Aug 2020
- ▶ 2 Yr. Warranty Period Ends – Aug 2022



For More information

- ▶ www.psern.org
- ▶ Follow us on Twitter @radiomatters
- ▶ YouTube – “PSERN”
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