

# Portland City Council

## Emergency Radio System Presentation

### October 9, 2013

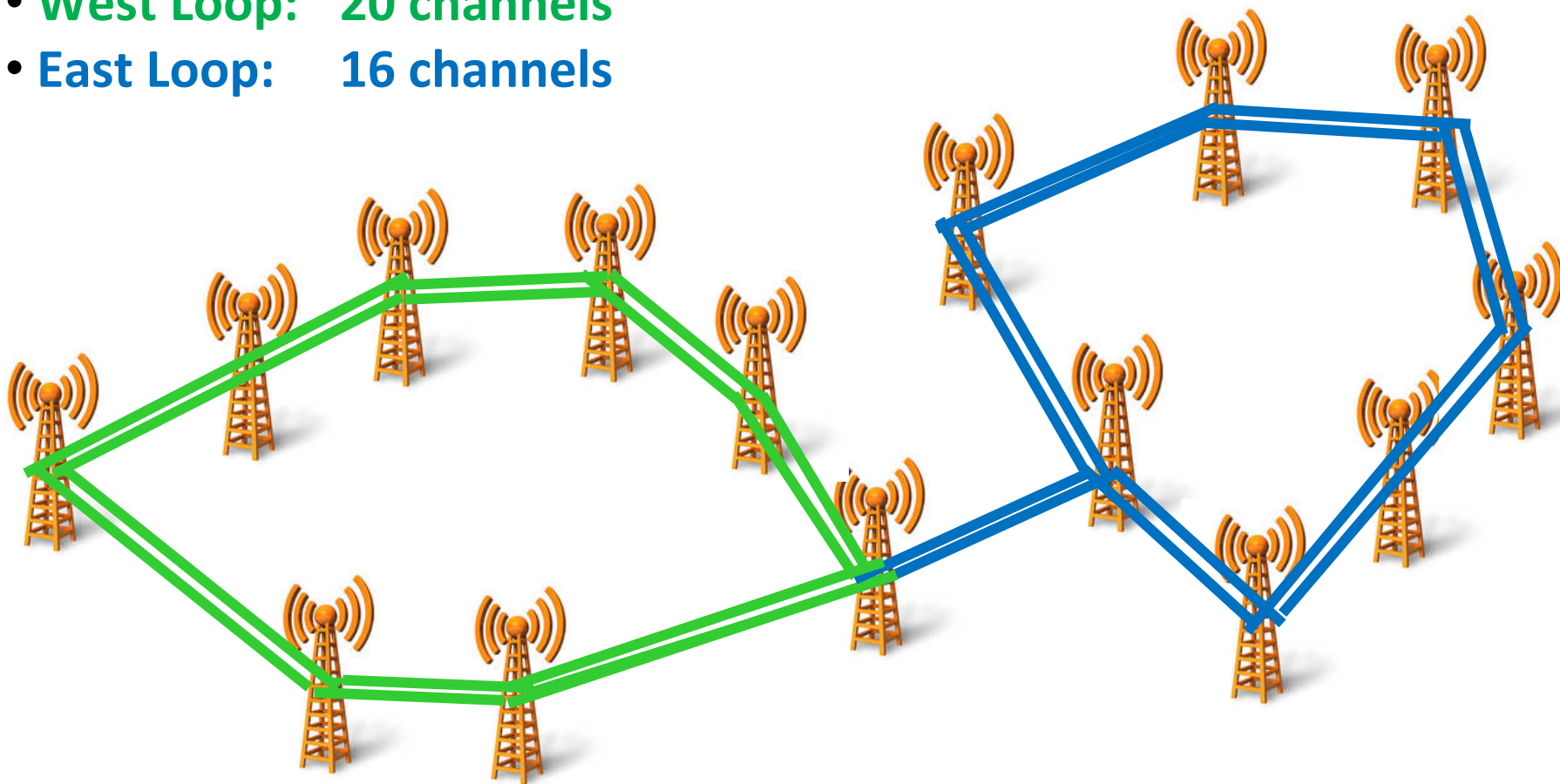
- ✓ **Mission critical voice communication for first responders & emergency service providers 24/7**
- ✓ **Supports over 6,000 users**
- ✓ **Interoperability with surrounding counties**
- ✓ **Past 12 months – nearly 24 million transmissions**
- ✓ **Obsolete analog technology from early 1990's**
- ✓ **New controller & system components - 2010**

*Mission Critical - Public Safety Grade - Emergency Radio System*  
*Coverage – Capacity - Continuity*

# Portland Emergency Radio System: Infrastructure Design

## 15 tower sites:

- Redundant microwave connections
- **West Loop: 20 channels**
- **East Loop: 16 channels**



# Portland Emergency Radio System

## Project Goals Achieved

- ✓ Ensure same levels of **regional interoperability**
- ✓ Retain or improve current system **functionality**
- ✓ Provide a **stable, reliable system infrastructure**
- ✓ Comply with **Project 25 national standards**
- ✓ Move to latest **digital technology**
- ✓ Ensure long-term **sustainability**
- ✓ Maintain or improve **radio system coverage**
- ✓ Improve **system capacity**
- ✓ **Contract Price – \$18.3M**

*Mission Critical - Public Safety Grade - Emergency Radio System*

*Coverage – Capacity - Continuity*

# Portland Emergency Radio System

## Sustainment Plan

### **Technical & Infrastructure standard support**

- ✓ 24/7/365 on-call from Motorola
- ✓ Local support from Day Wireless
- ✓ System hardware maintenance

### **System Upgrade Agreement**

- ✓ Automatic recurring upgrades provided at 2-year intervals
- ✓ 10-yr Sustainment Plan begins upon System Acceptance
- ✓ System will be maintained at the most current software release (and associated hardware) levels.
- ✓ Opt-out option with refund for un-used portion

# Portland Emergency Radio System

## Contract Risk Assessment Dashboard

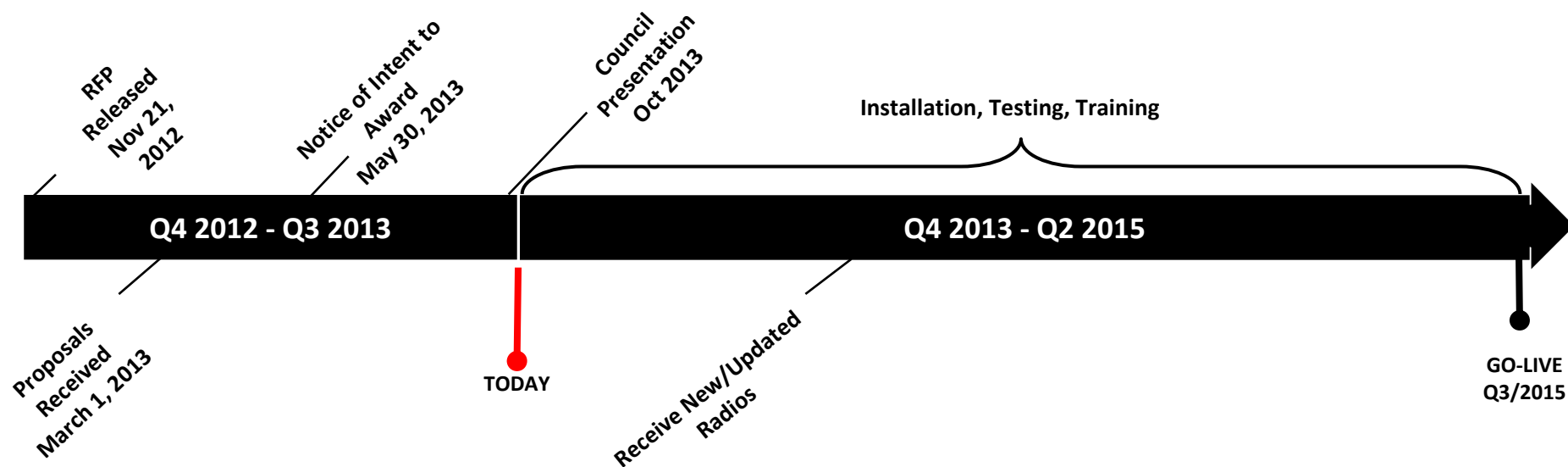
Risk Area	City protected?
System Warranty	YES
Insurance	YES
Order of Precedence	YES
Long-term Maintenance	YES
Contract Definitions	YES
Multi-level Acceptance Testing	YES
Fixed Price Deliverables	YES
Milestone Payments	YES
Payment hold back	YES
Performance Bond	YES

# Emergency Radio System Project Oversight

1. **GO Bond – Independent Citizen Committee**
2. **Radio Project Oversight Committee**
3. **Executive Steering Committee**
4. **Executive Sponsors (BOEC – PPB – PF&R)**
5. **Project Status Reports**
6. **Independent Quality Assurance Consultant:**

<b>Schedule</b>	<b>Stable</b>	The project is proceeding according to expectations. A final schedule will be available after a Detailed Design Review (DDR), expected in January or February 2014.
<b>Budget</b>	<b>Stable</b>	The project has a budget and contingency. Most expenditures will be planned during and shortly after contract negotiations.
<b>Scope</b>	<b>Stable</b>	The project scope is clearly defined in the RFP and the Project Charter.

# Portland Emergency Radio System: Time Line



# Portland Emergency Radio System

## Next Steps

### ***Recommendations:***

- ✓ **Authorize Chief Procurement Officer to execute contract with Motorola**

### ***Next Steps:***

- ✓ **Execute Contract**
- ✓ **Finalize Detailed Design Review – Early 2014**
- ✓ **Factory Acceptance Testing – Spring 2014**
- ✓ **Final Acceptance – Summer/Fall 2015**