



**SOLANO COUNTY
SHERIFF'S OFFICE**

**OFFICE OF EMERGENCY
SERVICES**

**INTEROPERABLE
COMMUNICATIONS
PROJECT**



BAY AREA UASI APPROVAL AUTHORITY BRIEFING

January 11, 2018

**Don Ryan
Emergency Manager**



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Solano Communication Investments 2017-2018

Sheriff's Office

\$2.1M Sheriff's Communications Center Expansion with 12 MCC7500 Consoles and a Motorola Core

City of Vacaville

\$2M+ Tower and MCC7500 Consoles

City of Benicia

\$1.1M MCC7500 Consoles and Radios, Temporary EBRCSA Membership

City of Vallejo

\$500K MCC7500 Consoles/Radios

Suisun City

\$300K MCC7500 Consoles

City of Fairfield

In Negotiations – Similar to Vacaville MCC7500 Consoles and Comm Upgrades

OVER \$6M Committed by local Agencies to Date



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The Project

- Install Five Trunked Repeaters on Pre-existing Towers
- Broadcast the Fairfield/Vacaville RF Signal to:
 - San Francisco and San Pablo Bays
 - Along the Entire Length of I-80 in Solano
 - Carquinez Strait and Northern Contra Costa County
 - Delta Region
- Improve Microwave Connection to Sites
- Inter-RF Subsystem Interface (ISSI) On Site for Connection to EBRCSA
- Total Cost \$1.7M



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The Benefits

- Uninterrupted P25 Radio Coverage from South Bay to Sacramento and Beyond
- Necessary to Connect to EBRCSA and Other Communications Systems in the Bay Area
- High Elevation Tower Sites Optimize Coverage
- Ability to Connect Cores Between Bay Area and Sacramento
- Solano Becomes a Full Partner in Catastrophic Earthquake Response
- Improvements in Mutual Aid Communications



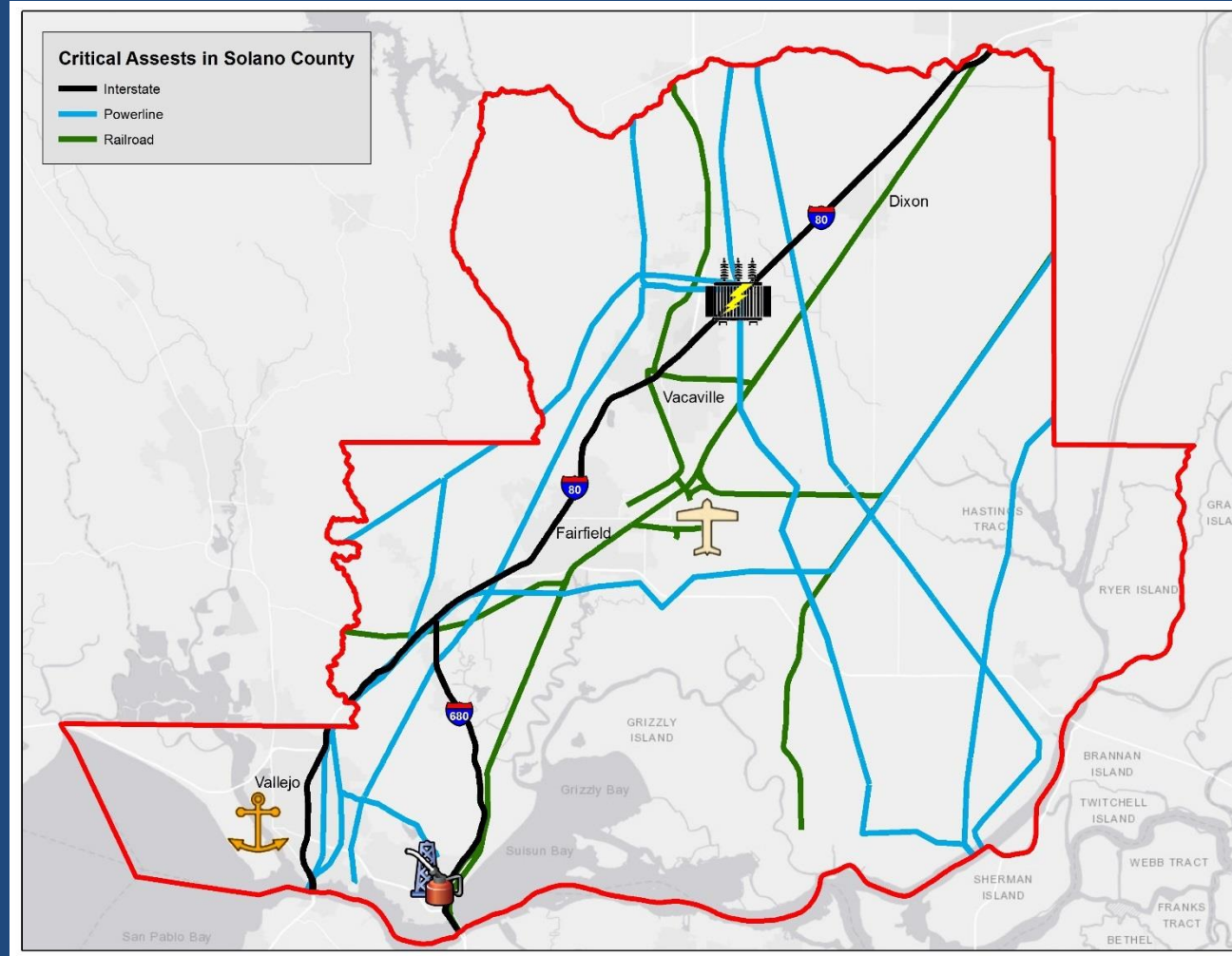
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Catastrophic Emergency Plan



SOLANO ASSETS

ELECTRICAL GRID

RAIL

HIGHWAYS

REFINED FUELS

NATURAL GAS

WETA PORT

TRAVIS AFB



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Catastrophic Emergency Plan

Today Solano Agencies Cannot Talk to Bay Area First Responders

- Water Emergency Transportation Agency (WETA)
 - Vallejo Ferry Terminal
- Recent North Bay Fires
 - Showed Evacuees Will Go East
 - Communications Will be Affected (Cell, Landline and Internet)
- First Responder Radios May be the Only Means to Share Information