



Memorandum

**TO: HONORABLE MAYOR AND
CITY COUNCIL**

FROM: Peter Jensen
Director of General Services

SUBJECT: SEE BELOW

DATE: May 28, 2010

Approved

Date

6/8/10

COUNCIL DISTRICT: City-Wide

**SUBJECT: AGREEMENT BETWEEN THE CITY OF SAN JOSE AND THE
COUNTY OF SANTA CLARA FOR THE PHASE II EMERGENCY
COMMUNICATIONS MICROWAVE (ECOMM) PROJECT**

RECOMMENDATION

Recommendation: Adopt a resolution authorizing the City Manager to negotiate and execute an agreement with the County of Santa Clara to:

- a) Provide matching grant funding in an amount not to exceed \$707,000 from the Communications Capital Program to offset a portion of the matching funds required for the \$6.2M Public Safety Interoperable Communications (PSIC) grant for the Phase II ECOMM project; and
- b) Provide ECOMM communication equipment and in-kind services to the County of Santa Clara as additional contributions toward the \$6.2M PSIC grant for the Phase II ECOMM project.

OUTCOME

Approval of the recommended action will enable the City of San Jose and the County of Santa Clara to implement the direction of the Silicon Valley Regional Interoperability Project (SVRIP) to provide City of San Jose contributions to off-set a portion of the matching funds required for the \$6.2M PSIC grant for the Phase II ECOMM project. The Phase II ECOMM project will add 15 new radio communications sites, enhance 23 existing Phase I ECOMM sites, and provide communication capabilities necessary to complete the Silicon Valley Regional Communications System implementation as well as other interoperability projects.

BACKGROUND

The Santa Clara County/Cities Managers formed the Silicon Valley Regional Interoperability Project (SVRIP) in 1998 to enhance inter-agency coordination and communication between public safety agencies and to exchange critical information and resources in real time during an emergency. The SVRIP currently operates under the general direction of the Santa Clara County/Cities Managers' Association and under the Second Amended Joint Funding Agreement. An executive level Steering Committee acts as the governance body providing oversight and management. The current Committee is comprised of the members listed below:

Committee Members:

Scott Seaman, Steering Committee Chair, Santa Clara County Police Chiefs
Bert Hildebrand, Vice-Chair, SVRIP Senior Project Manager
Dave Anderson, Santa Clara County/Cities Manager's Association
David Knapp, Santa Clara County/Cities Managers' Association
Dale Foster, Santa Clara County Fire Chief's Association
Emily Harrison, Santa Clara County Executive's Office
Deanna Santana, San Jose City Manager's Office
George Washburn, Radio Project Director
Don Jarvis, Policy Committee Chair
Laurie Smith, Santa Clara County Sheriff
Elizabeth Vargas, PSCMA Representative
Diane Urban, ECOMM Project

Under the direction of the City Manager, the City was a founding member of the SVRIP, which was established to develop a regional public safety communications network throughout Santa Clara County (County).

In 2001, the cities of Campbell, Cupertino, Gilroy, Los Altos, Milpitas, Monte Sereno, Morgan Hill, Mountain View, Palo Alto, San Jose, Santa Clara, Saratoga, and Sunnyvale; the towns of Los Gatos and Los Altos Hills; the South Santa Clara County Fire District; the County of Santa Clara; San Jose State University; and the Santa Clara Valley Water District (collectively the "network participants"), established a Joint Funding Agreement (JFA) so as to:

1. Jointly hire consultants for the conceptual design and implementation strategy for an interoperable communications network;
2. Jointly purchase a radio and data communications system or network to provide interoperability for the Network Participants;
3. Integrate this system or network with other nearby regional public safety communications systems;
4. Participate in regional interoperability projects;
5. Jointly fund activities and projects related to interoperability; and
6. Jointly apply for grants and funding to facilitate the accomplishment of these goals.

SVRIP has undertaken many projects in the past several years, with the most notable in San Jose being the implementation of the Emergency Communications (ECOMM) network. The City, as part of SVRIP, was the fiscal agent for Phase I of the \$10.1 million regional microwave

communications network which was completed in May 2009 to improve communications between emergency first responders in the County. Of the total project costs, \$8.9 million was funded through the Urban Area Security Initiative (UASI). This funding was awarded to SVRIP due to the cross-jurisdictional collaboration that provided benefits to all network participants.

On June 9, 2008, the County of Santa Clara was awarded a Public Safety Interoperable Communications (PSIC) grant to continue the build-out of the ECOMM network improving interoperability in the City of San Jose and the County of Santa Clara. The Phase II ECOMM project began in September 2009 with the County of Santa Clara as the fiscal agent. The project is a \$6.2 million effort that provides for additional communication sites and the enhancement of the Phase I ECOMM microwave radio, voice and data backhaul system needed to support the completion of the Bay Area Regional Interoperable Communications System (BayRICs) and Silicon Valley Regional Communications System (SVRCS). The PSIC grant for this project requires a 20% grant match totaling \$1.2 million.

At the May 11, 2009 Steering Committee Meeting of the SVRIP it was agreed that the City of San Jose would contribute to the County of Santa Clara a total amount not to exceed \$900,000 in funding, equipment and in-kind services to offset the matching fund requirement for the Phase II ECOMM Project.

ANALYSIS

The Emergency Communications Microwave (ECOMM) network provides the required secure and resilient bandwidth for digital communications processing ability to modernize current legacy systems and facilitate the next generation of voice and data communications. An engineering study conducted at the direction of the SVRIP identified over 50 current and potential radio communications sites required to provide the coverage and capacity required for a Silicon Valley Regional Communications System (SVRCS). The goal of the ECOMM project is to provide the connectivity for the SVRCS and data sharing between dispatch centers.

Phase I of the ECOMM project provided the arterial backbone to connect all Public Safety Answering Points (PSAP) and principal radio communications sites throughout Santa Clara County together on a common platform. This provided the means to promote interoperability data sharing to enhance public safety dispatch operations. Phase I also provided the City of San Jose the ability to modernize and enhance public safety radio communications systems utilizing "Simulcast" technology.

Phase II of the project adds 15 new sites; develops connectivity to new and existing radio sites; and enhances 23 Phase I ECOMM sites to facilitate the modernization and enhancement of all agencies' communications systems by providing them the ability to employ simulcast technology and expand coverage. Six of the new sites are within the City of San Jose and will provide immediate benefit to the City's public safety communications systems, allowing the continued modernization and expansion of area coverage and penetration to meet operation requirements. The operational impacts of the six sites include:

- Fire Station 25 – Provides the necessary digital connectivity simulcast operation of Police and Fire radio communications in the north operating districts of the City.
- Fire Station 28 - The development of this station as a radio site will enhance radio communications for Police and Fire operations in and around the Almaden Valley.
- San Jose Airport Terminal “B” – Allows for the development of simulcast radio operations and future expansion to Terminal “A” to provide an enhanced and flexible radio communications system that would support Airport operations while also providing coverage for public safety within the airport complex and surrounding geographic area.
- San Jose City Hall – Supports additional development of communication capability atop the most prominent building in Silicon Valley, enhancing Police and Fire radio communications operations in the downtown business area using simulcast technology.
- City of San Jose West Yard – Provides simulcast radio capability to the west side of the City, greatly enhancing Police and Fire radio communications coverage.
- Police South Substation – Development of this site provides not only the ability to improve radio communications in the southern district of the city for Police and Fire, but also provides an alternative data communications path to support Police operations.

The 2009-2010 Communications Construction and Conveyance Tax Fund provides the one-time funding of \$707,000 for the purpose of meeting this grant match requirement. The balance of the \$900,000 contribution will be comprised of \$193,000 in microwave communications equipment to be used at City of San Jose sites and in-kind support to prepare City of San Jose facilities for the Phase II ECOMM improvements.

PUBLIC OUTREACH/INTEREST

- Criterion 1:** Requires Council action on the use of public funds equal to \$1 million or greater. **(Required: Website Posting)**
- Criterion 2:** Adoption of a new or revised policy that may have implications for public health, safety, quality of life, or financial/economic vitality of the City. **(Required: E-mail and Website Posting)**
- Criterion 3:** Consideration of proposed changes to service delivery, programs, staffing that may have impacts to community services and have been identified by staff, Council or a Community group that requires special outreach. **(Required: E-mail, Website Posting, Community Meetings, Notice in appropriate newspapers)**

This memorandum does not meet the above criteria; however it is posted on the City’s website for the June 22, 2010 Council agenda.

HONORABLE MAYOR AND CITY COUNCIL

Subject: Agreement between City of San Jose and County of Santa Clara for the Phase II ECOMM Project

May 28, 2010

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COORDINATION

This memo has been coordinated with the Silicon Valley Regional Interoperability Project, City Manager's Office and Budget Office, and the City Attorney's Office.

FISCAL/POLICY ALIGNMENT

This action is consistent with the following General Budget Principles: "We must focus on protecting our vital core city services for both the short- and long-term; we must continue to streamline, innovate and simplify our operations so that we can deliver services at a higher quality level, with better flexibility, at a lower cost; and the Strategic Initiative, "Make San Jose a Tech-Savvy City; lead the way in using technology to improve daily life."

COST SUMMARY/IMPLICATIONS

Funding for the transfer of funds, equipment and in-kind services is provided in the Communications Construction and Conveyance Tax Fund for FY 2009-2010. Implementation of the Phase II ECOMM project will enhance Public Safety communications within areas of the City where building density has caused periodic emergency radio communications failures. The overall ECOMM system will become the network that will support the region's interoperability efforts.

BUDGET REFERENCE

Fund #	Appn #	Appn. Name	Total Appn	Adopted Capital Budget Page	Last Budget Action (Date, Ord. No.)
397	7115	City-wide Trunking Radio System	\$1,100,000	V-1052	N/A

CEQA

Not a Project, File No. PP10-066 (e) Services that involve no physical changes to the environment.

/s/

PETER JENSEN
Director of General Services

For questions please contact Randal Turner, Deputy Director at (408) 975-7280.