

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

632



FROM: Economic Development Agency

SUBMITTAL DATE:
February 27, 2014

SUBJECT: 9-1-1 Generator/Electrical Engineering Analysis and Upgrade Project – Approval of \$1,564,500 Maximum Project Budget and Electrical Engineering Analysis, District 1, [\$1,564,500], Capital Improvement Program Funds

RECOMMENDED MOTION: That the Board of Supervisors:

1. Approve using Capital Improvement Program (CIP) Funds, the maximum project budget of \$1,564,500 for the 9-1-1 Generator/Electrical Engineering Analysis and Upgrade Project for the design and construction of the emergency generator and electrical upgrades to the 9-1-1 Communications Center;
2. Approve \$61,500 for project development and electrical engineering analysis; and

(Continued)

Robert Field
Assistant County Executive Officer/EDA

FINANCIAL DATA	Current Fiscal Year	Next Fiscal Year	Total Cost	Ongoing Cost	POLICY/CONSENT (per Exec. Office)
COST	\$ 61,500	\$ 1,503,000	\$ 1,564,500	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0	

SOURCE OF FUNDS: Capital Improvement Program Funds (not to exceed \$1,564,500) Fund 30700

Budget Adjustment: No
For Fiscal Year: 2013/14

C.E.O. RECOMMENDATION:

APPROVE

Reviewed by
CIP TEAM

BY:
Rohini Dasika

County Executive Office Signature 3/11/2014

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Benoit, seconded by Supervisor Jeffries and duly carried, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Stone, Benoit and Ashley
Nays: None
Absent: Tavaglione
Date: March 18, 2014
xc: EDA

Kecia Harper-Ihem
Clerk of the Board
By:
Deputy

Prev. Agn. Ref.: N/A

District: 1/1

Agenda Number:

3-6

FISCAL PROCEDURES APPROVED
PAUL ANGLIO, CPA, AUDITOR-CONTROLLER
3/6/14
Esteban Hernandez

By:
Stanley L. Sniff Jr.
Sheriff – Coroner – PA

- A-30
- Positions Added
- 4/5 Vote
- Change Order

SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

Economic Development Agency

FORM 11: : 9-1-1 Generator/Electrical Engineering Analysis and Upgrade Project – Approval of \$1,564,500 Maximum Project Budget and Electrical Engineering Analysis, District 1, [\$1,564,500], Capital Improvement Program Funds

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RECOMMENDED MOTION: (Continued)

3. Delegate project management authority for the project to the Assistant County Executive Officer/EDA in accordance with applicable Board policies.

BACKGROUND:

Summary

The 9-1-1 Communications Center, located at 7195 Alessandro Boulevard in the City of Riverside was originally constructed in the late 1950's, then expanded in the 1970's with a final addition completed in 1990. Though upgrades to portions of the electrical, mechanical and emergency backup power systems have occurred over the years, there are still large portions of these systems that are old and unreliable in supporting current demands on this critical public safety facility.

The current generator supplies emergency backup power to all the mission critical systems of the 9-1-1 call center and communications hub, however, if the generator were to fail during even a short power outage, it would cause the facility to shut down while a mobile temporary generator is connected. It has become standard for facilities that provide public safety communications to have a secondary emergency power supply on site. A secondary generator would increase the reliability of 9-1-1 services from this key site, especially in the event of an extended power outage which may result from a natural disaster or other catastrophic event, during which public safety communications would be an extremely high priority.

This engineering analysis will investigate the feasibility of adding a secondary emergency generator to the site. It will also clarify the county's options for upgrading the internal electrical distribution system, further increasing the facility's reliability in meeting public safety demands. The analysis will produce a report that will minimally include findings, recommendations and rough order of magnitude cost estimates for design and construction options. That information will provide decision making tools for funding and initiating subsequent projects to design and construct selected options.

The proposed engineering analysis is estimated to be complete within six weeks of the Board's approval of these motions. The Economic Development Agency (EDA) will then, in cooperation with the Sheriff's Department, use the final report from the engineering analysis to develop an estimated scope and budget for design and construction of the project to upgrade the electrical system and add a secondary emergency generator.

(Continued)

BACKGROUND:
Summary (Continued)

The project timeline will be determined after the analysis is completed. The estimated duration for design is three months, followed by another three months for bidding and contract award. Finally, construction will take approximately four to six months. The total project is estimated to take ten to twelve months to complete. The estimated range of costs for construction will depend on specified equipment and associated lead times. The final schedule and budget for subsequent work will be established after the scope is more clearly defined by the analysis proposed herein. EDA will return to the Board under another action with the total project budget breakdown which will include design and construction costs; following the completion of the engineering analysis.

Impact on Residents and Businesses

Possible impacts include:

- If upgrades to the electrical system and emergency generator system are recommended as a result of the analysis and subsequently constructed, county residents and businesses will benefit from increased reliability of emergency, public safety communications.
- The possibility of moving the almost new emergency generator that has been serving the Indio County Administrative Center (CAC) is being investigated. If this option proves viable, the county can realize a substantial cost saving on subsequent construction and practice a wise re-use of existing assets.
- The analysis will evaluate possible noise impacts on residents near the facility and the highest level of sound attenuation systems will be recommended for installation of a secondary emergency generator.

Additional Fiscal Information

If the requested motions are approved, the rough order of magnitude (ROM) costs for the resulting project would range from \$1,229,000 to \$1,564,500. The low range cost assumes the county's existing generator from the Indio CAC can be relocated to the Alessandro facility and the high range cost assumes a new generator will be needed to meet facility demands. Both estimates include the engineering analysis, design, electrical systems upgrades and upgrades to computer flooring and fire suppression systems in the Sheriff's data equipment room. Estimates for project management, inspection and contingency are also included in these ROM cost estimates.

Contract History and Price Reasonableness

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Contract History and Price Reasonableness

An engineering firm will be selected for this work from EDA's list of pre-approved engineers. The engineering service fees will be negotiated based on the scope of services necessary and the requirement for contracting with firms on the list.

BUDGET FOR ENGINEERING ANALYSIS:

The approximate allocation of the electrical engineering analysis budget is as follows:

BUDGET LINE ITEMS	BUDGET
Engineering Analysis	51,500
Project Management	4,850
Project Contingency	5,150
Budget Total	\$ 61,500

Expenditures for FY 2013/14 are estimated at \$61,500; expenditures for FY 2014/15 are estimated at \$1,503,000. All costs associated with this project will be funded by Capital Improvement Program Funds, not-to-exceed \$1,564,500; thus no net county costs will be incurred and no departmental budget adjustment is required.