

# NGEN Executive Board

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## NGEN Executive Board Action Item 23-002

**Date:** Sept. 14, 2023

**Presented by:** Alex Zheng and John Vaught

**On behalf of:** County of Monterey ITD and ECD

**Request:** Approve, and recommend the Monterey County Board of Supervisors to approve, the FY2023/24 NGEN Capital Fund Budget (Fund 405) in the amounts of:

Appropriations: ~~\$813,000~~\$713,000

Funding Source: Fund Balance, rollover from FY2022/23

### Summary/Discussion:

In FY 22-23, the Information Technology Department (ITD) has identified several projects necessary to enhance and maintain interoperability, system coverage, system capacity, and standardization. **Exhibit A** of this action shows details on these projects. The projects were approved and funded in FY22-23.

ITD subsequently completed the microwave upgrade project which was \$46,684 over budget due to vendor did not include accurate tax cost in the initial quote. ITD is still in the process of negotiating with Post Ranch site owner, and other occupants for a colocation arrangement. No money has been spent on the Post Ranch Phase II project. Post Ranch Phase II project will likely resume in FY 24-25.

The projects listed in Exhibit B and described in Exhibit C will continue into the FY 23-24. Among which, NGEN Phase 2 upgrade project is expected to be completed in Nov. 2023. ~~ISSI gateway project budget is increased by \$100,000 due to additional work needed. The ISSI gateway project scope will not include integration with a foreign system such as Motorola.~~ It is requested that these capital projects are being funded through the requested NGEN Capital Fund budget in FY23-24, for a total of ~~\$813,000~~\$713,000.

### Other Agency Involvement:

County staff recommends the Executive Board approve this action and County staff continue to provide operational status updates to the Operations Board.

**Fiscal Impact:** The fund balance of the NGEN Capital Fund (Fund 405) will be reduced by ~~\$813,000~~ \$713,000. The amount approved and budgeted for these projects in Fiscal Year 2022-23 was \$713,000. If approved and expended as planned, these projects will leave Fund 405 with a fund balance of ~~\$217,683~~ \$308,683 at the end of fiscal year 2023-24. This includes \$75,000 of UASI grant funding that was received in FY2022-23 to fund a portion of the Microwave Project. These funds are a mix of surplus funds which were collected for the initial buildout of the NGEN system and never spent and excess collections into the Operations & Maintenance fund which were approved to be used by this Board as part of the FY22-23 budget.

**Effect(s) of Failure to Approve Request and/or caveats:** NGEN system will not be operating effectively due to lack of capacity, sustainable site and interoperability.

**Executive Board Action**

Modification to requested action: Yes  No

MODIFICATION: This CIP budget rollover request is reduced to \$713K, which include \$438K for the NGEN Phase-II upgrade project and \$275K for the ISSI gateway project. The request for the extra \$100K for the ISSI gateway project is withdrawn.

Vote Date: 09/14/2023

Motion by  2<sup>nd</sup>  Approved: Yeas 4 Nays 0

DocuSigned by:  
*David Sargenti*  
/s/ Chair \_\_\_\_\_  
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**Amended Motion Passed**

**Exhibit A Approved Capital Projects in FY 22-23**

	<b>FY22-23 Budget</b>	<b>FY22-23 Actual Spend</b>	<b>Variance to Budget</b>
Microwave Upgrade	\$538,000	\$584,684	\$46,684 over budget
Post Ranch Phase II	\$285,000	0	\$285,000 under budget
ISSI Gateway	\$275,000	0	\$275,000 under budget
VHF Multi-Site Phase-2 Upgrade	\$438,000	0	\$438,000 under budget
<b>Totals</b>	<b>\$1,536,000</b>	<b>\$584,684</b>	<b>\$951,316 under budget</b>

**Exhibit B Proposed Capital Projects in FY 23-24**

<b>Capital Projects in FY 23-24</b>	<b>FY 23-24 Requirement</b>	<b>FY 22-23 Approved Funding</b>
ISSI Gateway	<del>\$375,000</del> \$275,000	\$275,000
NGEN Phase-2 Upgrade	\$438,000	\$438,000
<b>NGEN Capital Expense Budget - Fund 405</b>	<del>\$813,000</del> <b>\$713,000</b>	<b>\$713,000</b>

## **Exhibit C FY 23-24 Capital Projects Description**

### **1. ISSI Gateway**

**Strategic goal:** Interoperability with FirstNet for supported radios

**Objective**

- FirstNet integration for supported radios
- Interoperability between County's P25 digital system and neighboring systems

**Fiscal requirement:** ~~\$375K~~ \$275K (Recommend funding in FY23-24)

**Background:**

- Integration of FirstNet and other systems (Federal and neighboring counties) requires an ISSI gateway on the NGEN system
- Current Interoperability relies on Analog only

**Impact if not funded:**

- FirstNet cannot be leveraged for supported radios where local LMR coverage is lacking
- Interoperability and mutual aid will rely on Analog only

### **2. NGEN Phase-2 Upgrade**

**Strategic goal:** Increase NGEN system capacity

**Objective**

Doubling channel capacity at all NGEN digital sites

**Fiscal Requirement:** \$438K (Recommend funding in FY23-24)

**Background:**

There are capacity issues in the NGEN system which is demonstrated by queuing and busy counts

**Impact if not funded:**

- NGEN system will continue having capacity issues during "busy hours"