



**Date:** December 17, 2015

**To:** THE TRUSTEES

**From:** THE PRESIDENT and CHIEF EXECUTIVE OFFICER

**Subject:** **Information Technology Initiatives –  
Capital Expenditure Authorization Request**

**SUMMARY**

The Trustees are requested to authorize capital expenditures in the amount of \$33,902,900 for the implementation of Information Technology's ("IT") Initiatives as per the Authority's Expenditure Authorization Procedures ("EAPs"). These expenditures have been included in the 2016 submitted Capital budget.

**BACKGROUND**

In accordance with the Authority's EAPs, the award of non-personal services or equipment purchase contracts in excess of \$3 million, as well as personal services contracts in excess of \$1 million if low bidder, or \$500,000 if sole-source or non-low bidder, requires Trustees' approval.

Each year, in concert with the Business Units, IT has developed a list of initiatives designed to meet business needs, taking advantage of the evolving technology. These efforts have been funded from a capital program called IT Initiatives. This Capital Expenditure Authorization Request ("CEAR") represents the funding required to implement the IT initiatives throughout NYPA.

**DISCUSSION**

The Authority's Information Technology group has several teams which cover the functional areas of Application Development, Application Services, Cyber Security, Governance & Policy, Infrastructure, and IT Project Management. Each of these teams has put forth their work plans based on the Business Unit's and Strategic Initiatives Plans.

To ensure that the Authority's Initiatives continues to meet performance and business requirements, Information Technology has developed expenditure requirements for 2016. These expenditures will provide increased reliability by implementing and replacing aging systems, as well as increase business capability through new system implementations.

This initiative consists of development and implementation of new, replacement and major upgrades to systems and equipment to support the Authority's Information Technology systems.

Specific implementation efforts for 2016 include:

- Application Services
- Core Network Communications Upgrade
- Customer Services
- Cyber Implementations:
  - Cloud Access, Single Sign On, Active Directory Federation, SAML Access
  - SOC Replacement
  - Identity Services Engine / Network Access Control
  - Firewall Segmentation
  - Remote Access
  - Privileged Account Management
  - Encryption (Network Level)
  - Threat Management
  - Network behavioral anomaly tool
  - Security Devices
- Digital Library
- Digital Record Process
- Enterprise Architecture
- External Departments
- Immersive Studio
- Infrastructure
- Major Meridian & AutoCad Release
- Major Portfolio Upgrades & Expansion:
  - DatasplICE replacement for IntelTrac
  - PTR Plus
  - PTR Plus to TOA
  - EtaPro
  - Portia
  - Voyager
  - GIS Database Yearly
  - GIS to Realm
  - CRM
  - Echosign E-Signature Expansion
  - Scrolling Monitor Expansion
  - SAP Portal
  - Content Server to SAP

- Maximo Projects:
  - CIP 5
  - Mobile Access
  - Fleet Module
  - Maximo & LMS
  - SF6
  - Operations Network Integration
- Middleware Implementations
- Mobile Implementations
- IT Project Management Office Initiatives:
  - Hydro Forecast
  - Sustainability Management Software Tool
  - PTRPlus
  - HandHeld Barcode
  - Legal Hold
- Portfolio Management
- Programming Services
- Renew CyberSecurity Strategy
- Storage Area Network (SAN)-FiberCore
- SAP Implementations
- 8th Floor Network Buildout
- Settlements System
- Facility Phone Turret
- Wide Area Network (WAN) Optimizer

The following lists the 2016 System Implementation costs:

• IT Initiative Procurement	\$ 30,288,476
• Internal NYPA Labor	\$ 2,000,000
HQ Overhead	<u>\$ 1,614,424</u>
Total	<u>\$ 33,902,900</u>

### FISCAL INFORMATION

Payments associated with this project will be made from the Capital Fund.

### RECOMMENDATION

The Chief Information Officer – Information Technology recommends that the Trustees approve the Capital Expenditure Authorization Request in the amount of \$33,902,900 for the Information Technology Initiatives.

For the reasons stated, I recommend the approval of the above-requested action by adoption of the resolution below.

Gil C. Quiniones  
President and Chief Executive Officer

## RESOLUTION

RESOLVED, That in accordance with the Authority's Expenditure Authorization Procedures, Capital Expenditures are hereby approved as recommended in the foregoing memorandum of the President and Chief Executive Officer, in the amount and for the purpose listed below:

<u>Capital</u>	<u>Expenditure Authorization</u>
Information Technology Initiatives	<u>\$ 33,902,900</u>

AND BE IT FURTHER RESOLVED, That the Chairman, the President and Chief Executive Officer, the Chief Operating Officer and all other officers of the Authority are, and each of them hereby is, authorized on behalf of the Authority to do any and all things and take any and all actions and execute and deliver any and all agreements, certificates and other documents to effectuate the foregoing resolution, subject to the approval of the form thereof by the Executive Vice President and General Counsel.