

FY 2015 THIRD QUARTER CAPITAL PROJECTS STATUS REPORT

PRESENTATION TO CITY COUNCIL

MAY 12, 2015



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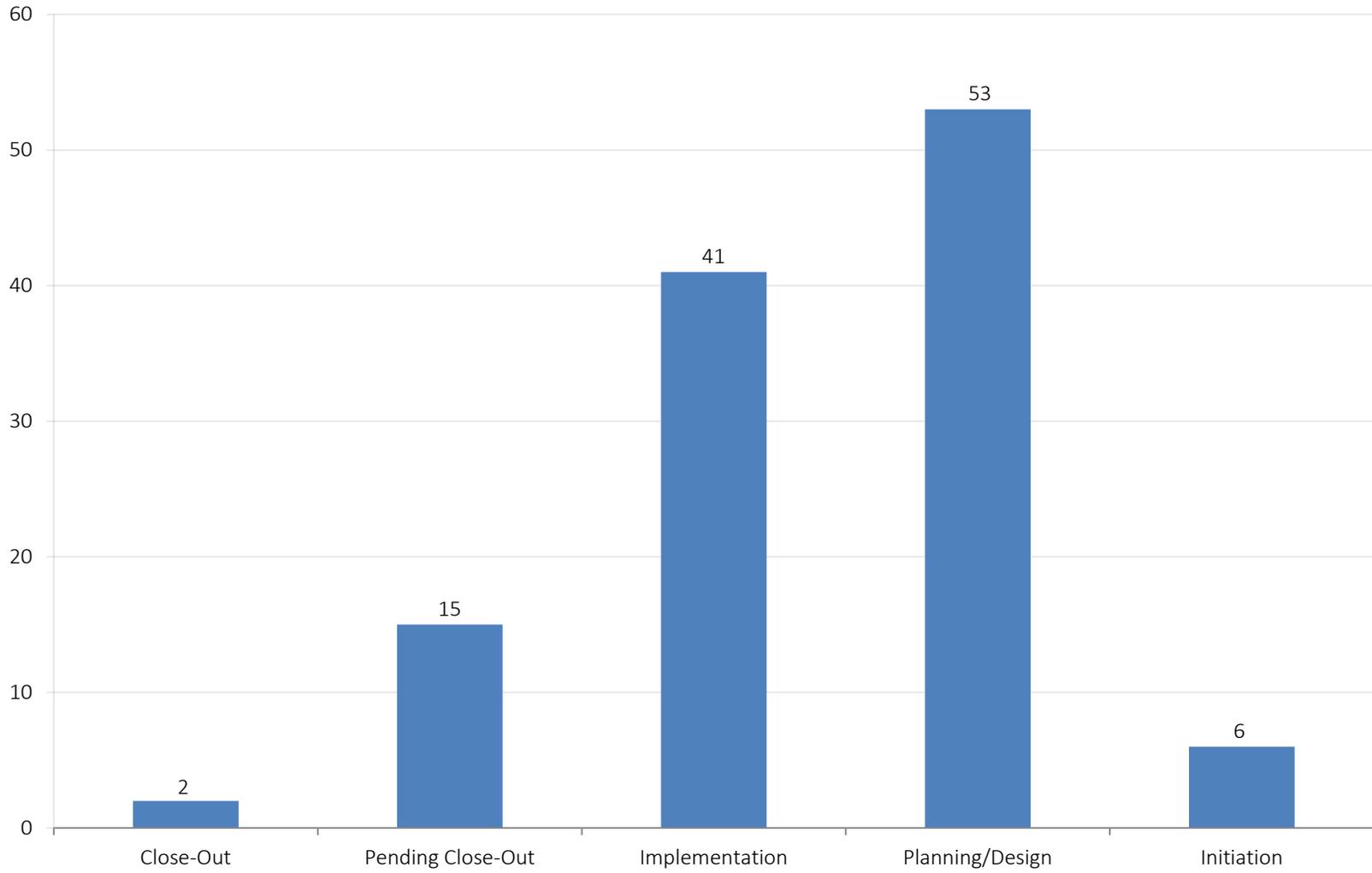
- ✓ Project budget and financial information through March 31, 2015
- ✓ Provides detailed updates on 117 active Category 2 and Category 3 projects
- ✓ Provides summary budget and financial information for active Category 1 projects
- ✓ Department of Emergency Communications (DEC) will provide an update on the new Computer Aided Dispatch (CAD) system that went live in January 2015

Project Categories
Category 1 Ongoing maintenance for an existing asset, or Capital Facilities Maintenance Program (CFMP)
Category 2 Large periodic or cyclical renovations
Category 3 New or expanded facilities or level of service



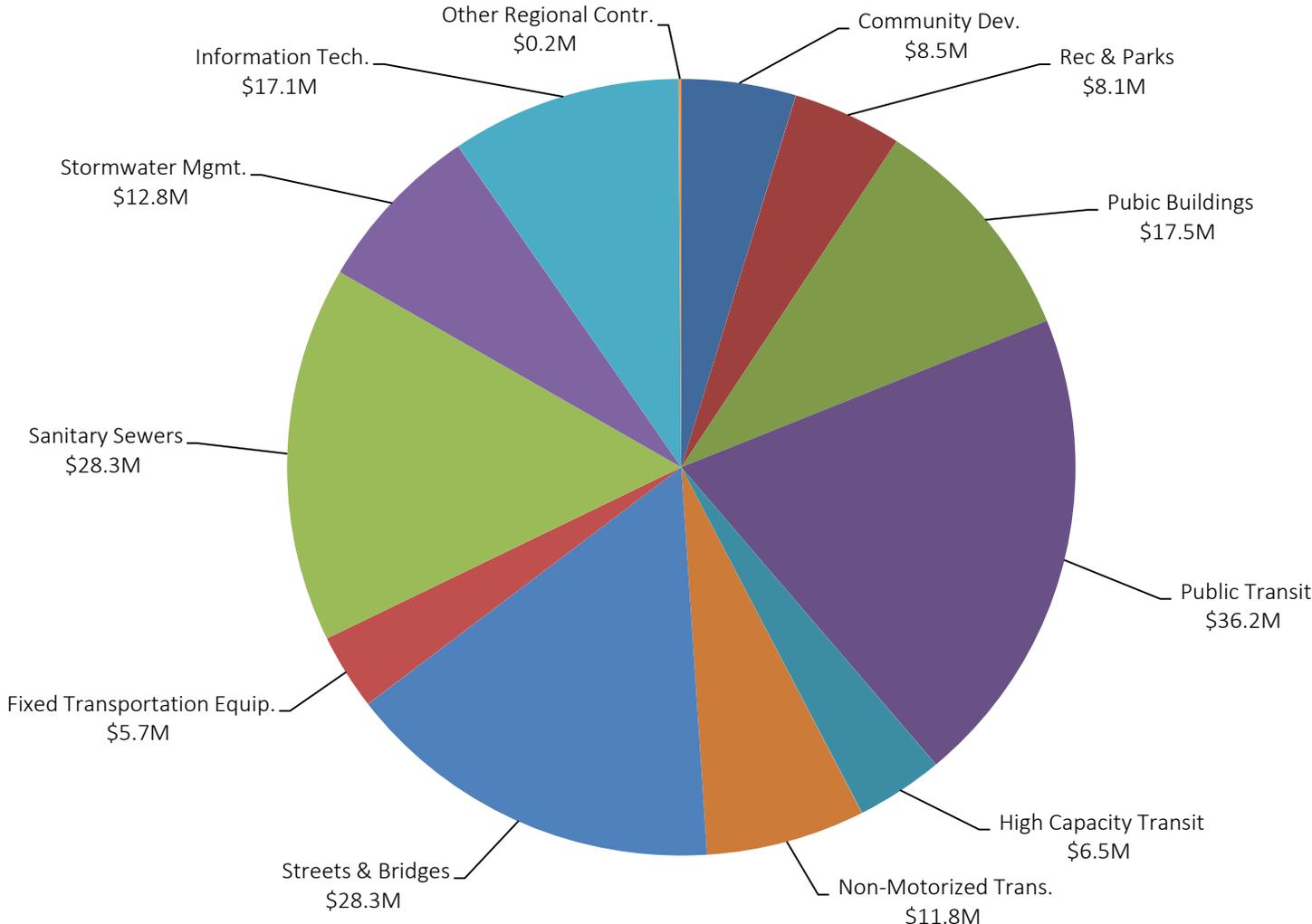
FY 2015 THIRD QUARTER – PROJECT STATUS

ACTIVE CATEGORY 2 AND CATEGORY 3 PROJECTS





FY 2015 THIRD QUARTER AVAILABLE BALANCES BY CIP SECTION (\$180.9M)





CAD/RMS Replacement Project

Alexandria City Council Status Briefing
May 12, 2015



PROJECT STATUS SUMMARY

- Computer Aided Dispatching (CAD)/Mobile System
 - TriTech system went live on January 21, 2015 with remaining non-critical functionality scheduled for completion by July 1.
- Fire Station Alerting System
 - New Westnet alerting system went live concurrently with TriTech CAD system in all 10 City fire stations.
- Fire Records Management System (RMS)
 - Planned upgrade of existing High Plains RMS was initiated in September 2013 with implementation continuing through 2015.
- Police RMS
 - Implementation of the new Intergraph Police RMS was intentionally planned to occur after CAD Go-Live/Acceptance and is currently scheduled to be operational in Fall 2015.

NEW SYSTEM IMPROVEMENTS & BENEFITS



- ❖ The new TriTech CAD system was successfully deployed on **January 21, 2015**. Numerous improvements were immediately realized compared to the prior Sungard system with additional benefits anticipated over the next year as additional functionality is implemented. The following summary highlights the benefits of the new system for each of the primary user departments – DEC, Police, Fire and GIS.

DEPT. OF EMERGENCY COMMUNICATIONS (DEC)



- Integrated mapping that provides additional functionality and real-time routing capabilities.
- Enhanced user experience that enables more efficient incident handling for Call Takers and Dispatchers.
- TriTech CAD optimized for both keyboard-centric and mouse-centric users.
- Integrated records check functionality that queries many data sources at once.
- Ability to better customize responses to all types of incidents.
- Automation of PowerPhone call taking protocol system streamlines information gathering and pre-arrival instructions.

ALEXANDRIA POLICE DEPARTMENT (APD)



- Use of GPS coordinates to dispatch the closest patrol units to calls.
- Combines information from multiple systems – radio, alarm billing, RMS, DMV, and more.
- Upgraded police mobile system that provides more information to street officers than previously available.
- Better use of map resources on the streets with driving directions, unit position and call location information displayed.

ALEXANDRIA FIRE DEPARTMENT (AFD)



➤ **Faster, More Efficient CAD Response**

- Improved algorithms automate dispatch and response.
- Dynamic Automatic Vehicle Location (AVL) assigns the closest units.
- Enhancements for CAD-to-CAD interoperability will allow AVL between jurisdictions.

➤ **Integrated New Fire Station Alerting**

- Immediate station alerting tied to dispatch event with audible & video messaging.
- Simultaneous Automated Voice Dispatch eliminates a step and improves dispatcher efficiency.
- More reliable, redundant system is ISO-approved meaning better fire insurance ratings for residents and businesses.

➤ **Fire/EMS Records Management Improvements (in progress)**

- Better CAD data and enhanced reporting tools will improve management analysis.
- Pre-Plan Module allows image and data collection of building and hazard information.
- Mobile Viewer will automatically deliver pre-plan hazard information to responding units.

GEOGRAPHIC INFORMATION SYSTEMS (GIS)



- Utilization of the Northern Virginia Regional Routable Centerline Project (\$767,000 grant funded project completed in FY12) to develop the routable CAD street network used for unit recommendations while also providing routing capabilities to various Citywide projects.
- Development of a single source of all premise (address related) information utilized by CAD, Fire RMS, Police RMS and various other City enterprise systems that are actively maintained by GIS.
- Development and maintenance of a residential interior unit database which can be utilized across many enterprise business applications such as permitting and business licensing.
- Increased situational awareness by developing an application to collect fire pre-plan data from the field and integrating this data within the CAD and Fire RMS environments.
- Increased communication, integrated workflows, and shared system design strategies between ITS, DEC, APD and AFD.
- Utilization of premise and street centerline data for analytical studies that will ultimately inform policy makers and assist in decision making.

QUESTIONS/COMMENTS

