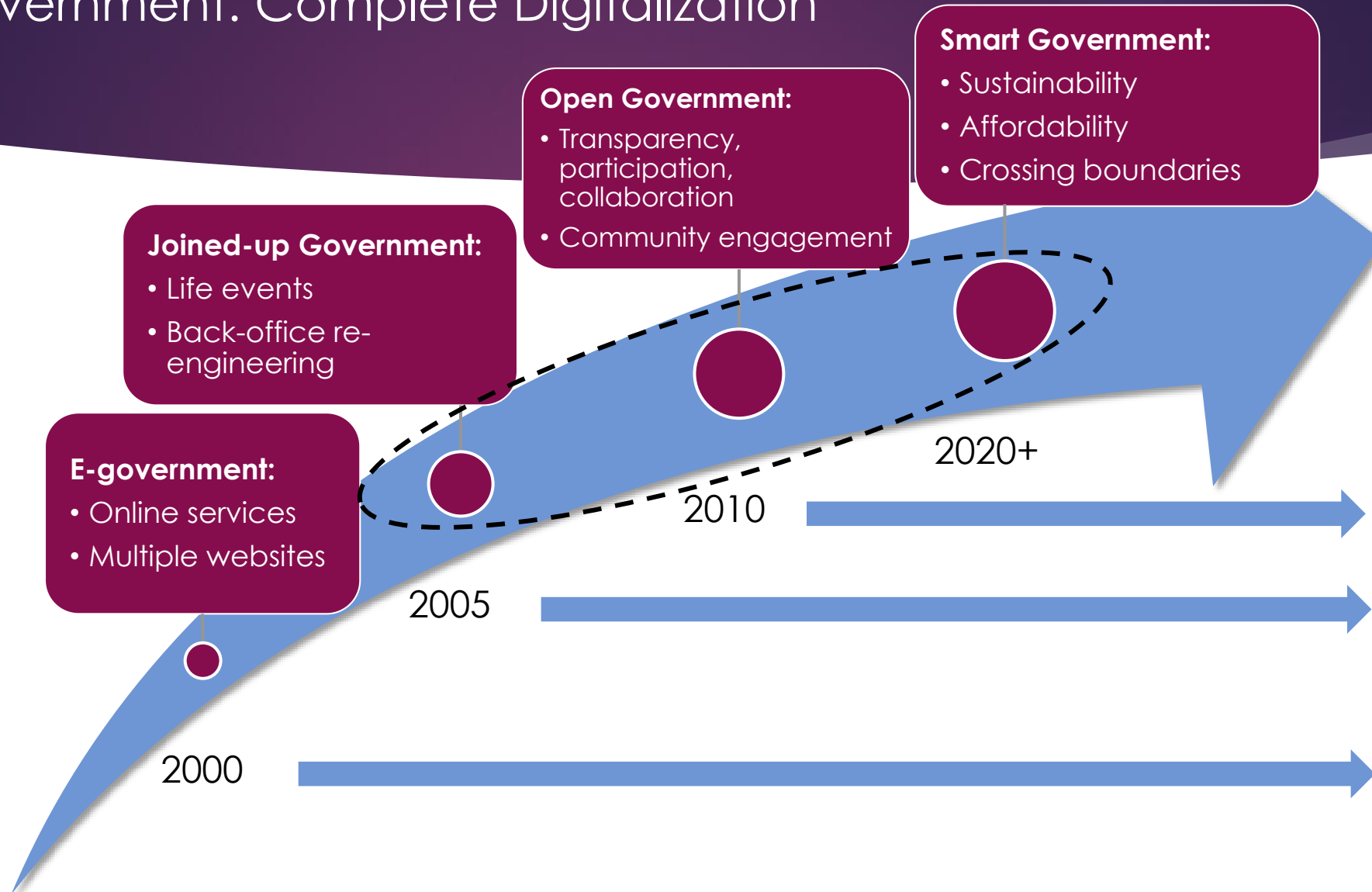


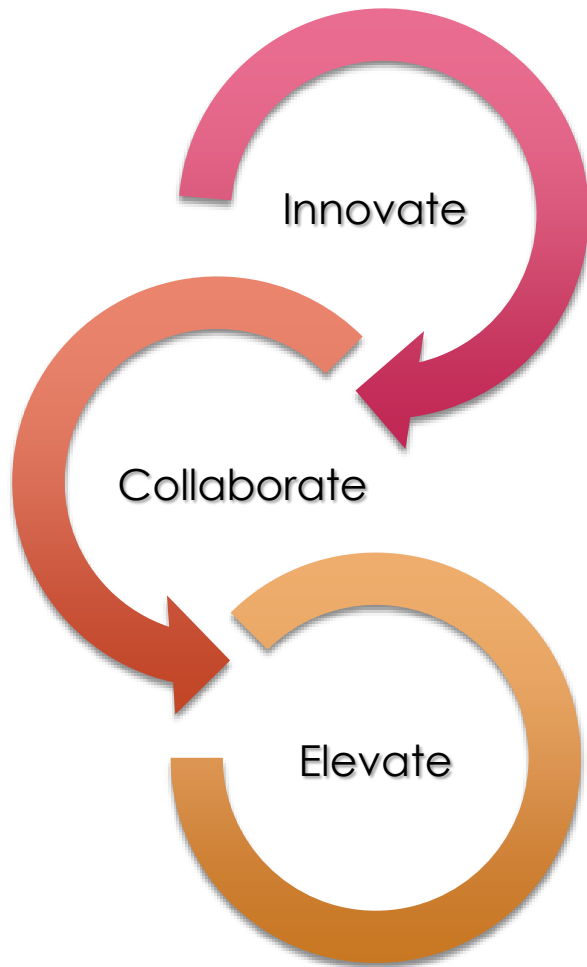
Bureau of Technology Status Report

- ▶ This report is to keep you informed regarding the activity of Cook County's technology departments.
- ▶ RFP/RFQs will not contain a vendor name until announced by the Chief Procurement Officer.
- ▶ This presentation does not contain any IT security projects unless board authorization is needed.

The Evolving Focus of Technology in Government: Complete Digitalization



Cook County Bureau of Technology – Strategy



Modernization

- Adopt New Technologies for Productive, Efficient and Effective Operations
- Security and Disaster Recovery for All Data
- Proliferate High-Speed Broadband and Wi-Fi
- Hybrid Cloud Productivity Ecosystem

Collaboration & Shared Services

- Prioritize Economies of Scale
- Unify disparate systems to find efficiencies and increase productivity
- Effective and Inclusive IT Governance

Expanding Innovation

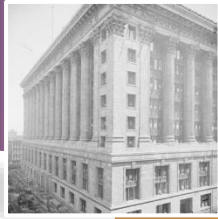
- Empower Citizens with Mobile Technology
- Open Data for an Informed Public
- Hire and Retain Experts and Innovators

IT Principles



Modernization

- **Cloud-First Policy:** Consider a "cloud-first" strategy for services or infrastructure where hosted services are a higher value.
- **Lifecycle Management Policy:** Retire legacy assets based on pre-identified technology lifecycle, shared services opportunities, and cost/benefit analysis.
- **Business Continuity and Disaster Recovery Policy:** Modernize datacenters and infrastructure, where doing so improves service or mitigates risk.
- **County-Wide Technology Standards & Information Governance**



Collaboration & Shared Services

- **Shared-First Policy:** no new technology procurements where an existing solution already exists within the County.
- **Multiyear County-wide IT Strategy:** integrate IT Strategic Planning across the county to focus and improve County services.
- **Portfolio Management:** implement robust IT project portfolio management process to ensure adequate return on investment.
- **CIO Roundtable:** Communicate clearly, openly and in a timely fashion with all stakeholders.



Innovation

- **Sustainability Policy:** Strive to Reuse before buy; buy before build. Assure sustainable maintenance according to lifecycle.
- **Operating Model:** Use performance measurements to track and improve operational management, as well as assuring that systems align to County performance measurement goals and objectives.
- **Open Data and Transparency:** Provide transparency through innovative applications.

Technology Forecast for Board Approvals 3rd Quarter FY2015

5

	Keeping The Lights On (KLO)	Modernize	Shared Services	Innovate	Future RFP in the Works	Amount
Spinnaker- \$152,684 increase and 6-month extension for JD Edwards financial system support	✓		✓		✓	\$152,684
Sentinel- \$1.7M increase and one year extension for Network Support managed services	✓		✓		✓	\$1.7M
Canon- \$340K increase and 3-month extension for County-wide multi-function copiers	✓		✓		✓	\$340K
Granicus- \$450k new contract for government transparency services (Legistar)		✓	✓	✓		\$450k
Integrated Revenue Tax Processing System		✓		✓		\$12.5M
Independent verification for Integrated Revenue Tax Processing System		✓		✓		Pending
Integrated Property Tax system		✓	✓	✓		\$30M
Enterprise Service Bus to exchange data among public safety agencies		✓	✓	✓		\$4M
System integration services for ERP		✓	✓	✓		Pending
Independent verification for ERP (Grant Thornton)		✓	✓	✓		\$2.9M

Projects by Government Sector

- Spinnaker
- ERP
- IV&V for ERP
- Integrated Revenue
- IV&V for Int. Rev.
- Risk Management Information System
- Integrated Home Rule Tax Processing System
- Countywide Citation Enforcement
- General Business License (GBL) Phase II Task Order
- JD Edwards Financial Technical Support RFP
- Credit and Debit Card Acceptance RFP

Finance &
Revenue

- Enterprise Service Bus
- Public Defender CMS

Public
Safety

Current Projects
Pending Procurements

Current Projects
Pending Procurements



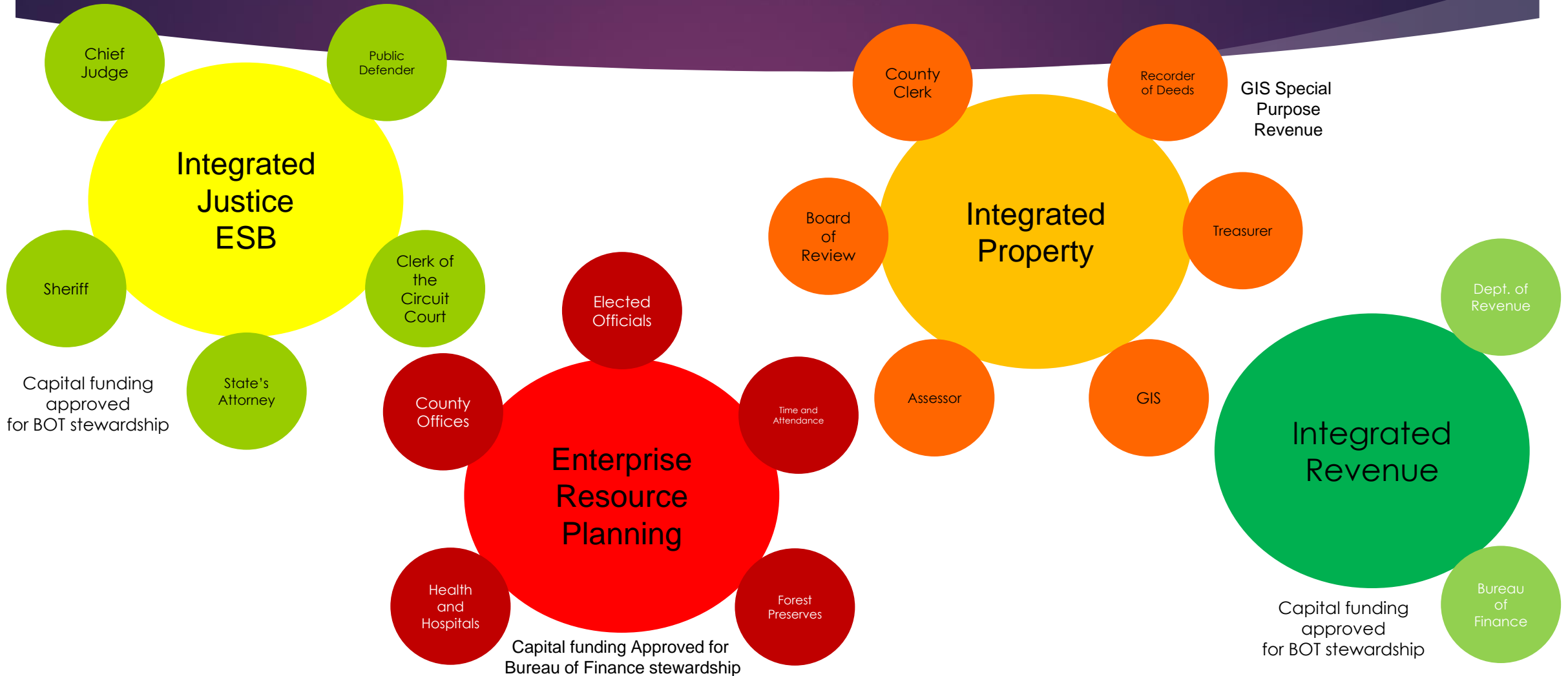
Administrative

- Sentinel
- Canon
- Avaya
- Granicus (Legistar)
- Enterprise Time & Attendance
- Inspector General Administrative CMS Enhancement
- Target Market IT Services
- County-Wide Kiosk
- Hardware Maintenance
- Unified Communications
- Administrative Case Management System Enhancement
- Data Network Services Proposal

Property

- Integrated Property Tax System
- Ground Property Imagery

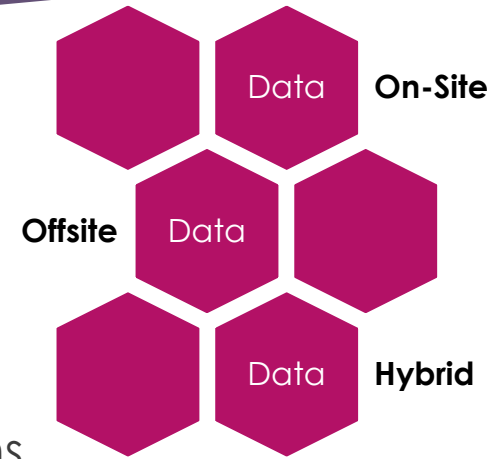
The Big Four: Integrating Major Areas of County Government Under Unified Systems



Hosting Strategy: Where the Data Lives

- Inventory of where County data resides to ensure it remains secure and recoverable
- Consider using the cloud first.
- Fewer County Data Centers with improved reliability and hosting services
- Shared Disaster Recovery center for internally hosted systems

- Server virtualization to increase efficiency and disaster recovery capability
- Broadband network speed to support video, document imaging, and cloud applications



Inventory

Regulations?

Security?

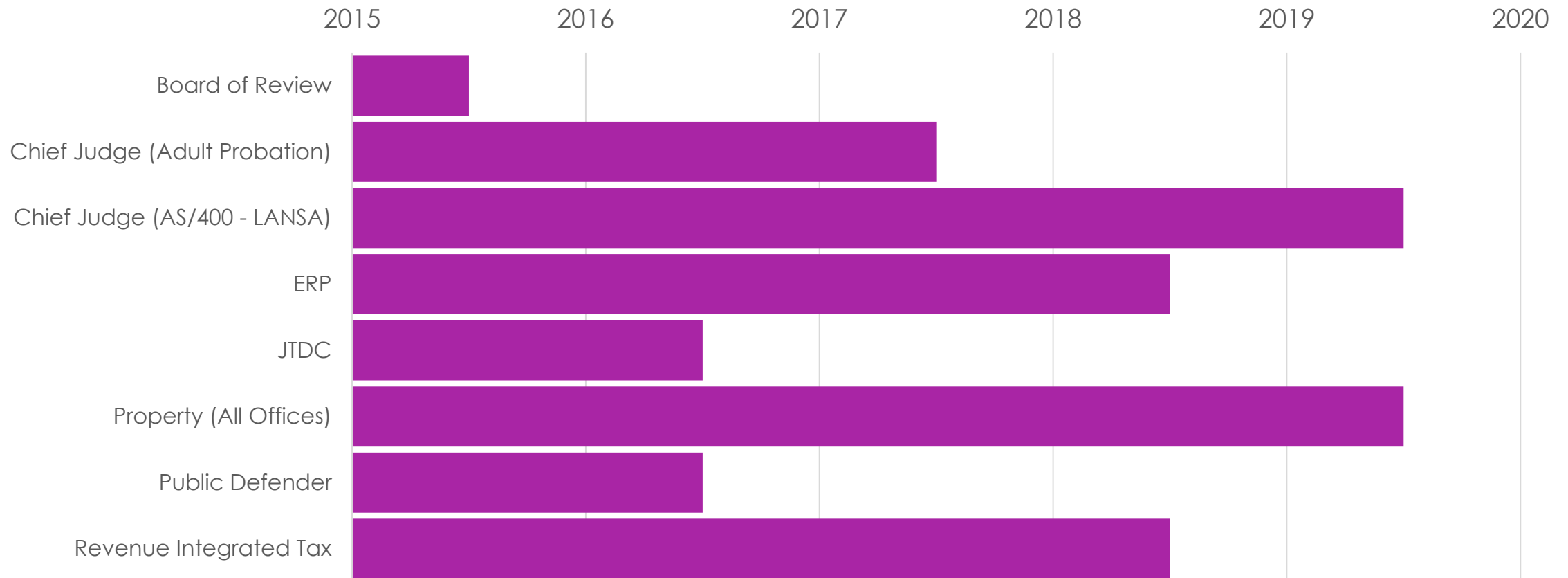
Cost?

Virtualize



Application Modernization Roadmap: Migrating from AS/400s & Mainframe

9



Appendix: Timeline

2014

- Broadband Expansion
- Security Ordinance
- Help Desk Ticketing System
- GIS Mobile Apps
- Project Management Office Consolidation

2015

- Broadband Expansion
- Data Center Consolidation & iSeries Modernization
- Cloud Email
- Integrated Justice
- County-wide Interactive Voice Response system
- Procurement Concurrence
- IT Assessment Study
- Project Portfolio Management
- Single Sign-on
- Hybrid Cloud
- Municipal Village

2016

- Broadband Expansion
- Document Management
- zSeries/iSeries Migration
- County-wide Kiosk
- Property Modernization
- Unified Communications
- Enterprise Resource Planning Software
- Integrated Revenue
- Integrated Property
- IT Governance Model
- Open Data
- Mobile Applications
- Enterprise Time & Attendance

2017

- Document Management
- zSeries/iSeries Migration
- Property Modernization
- Enterprise Resource Planning Software Roll Out
- County-wide Citation
- Unified Communications
- IT Governance Model
- Mobile Applications

Appendix: Human Resources /Payroll System Enhancements Overview

a.

- The County successfully transitioned to the latest version of JD Edwards (E1) via a private cloud with Denovo in August 2014 as the first ERP module to be upgraded since 1999
- The system has facilitated a number of process improvements, offering greatly improved reliability and disaster recovery features for an unstable and unsupported ERP system and environment
- The system is envisioned as a bridge solution until Countywide ERP modules go live over the next 4-5 years; E1 offers the County a stable environment for critical Payroll/HR functions during interim
- Further system enhancements are underway, including:
 - Bank Interface
 - CCHHS Field Requirements
 - RICE Enhancements
 - Single Sign-On Integration
 - EmpCenter Integration
 - Employee Self Service
 - Data Archiving
 - HR Training and UPK Development

Appendix: Human Resources /Payroll System Enhancements Timeline

a.

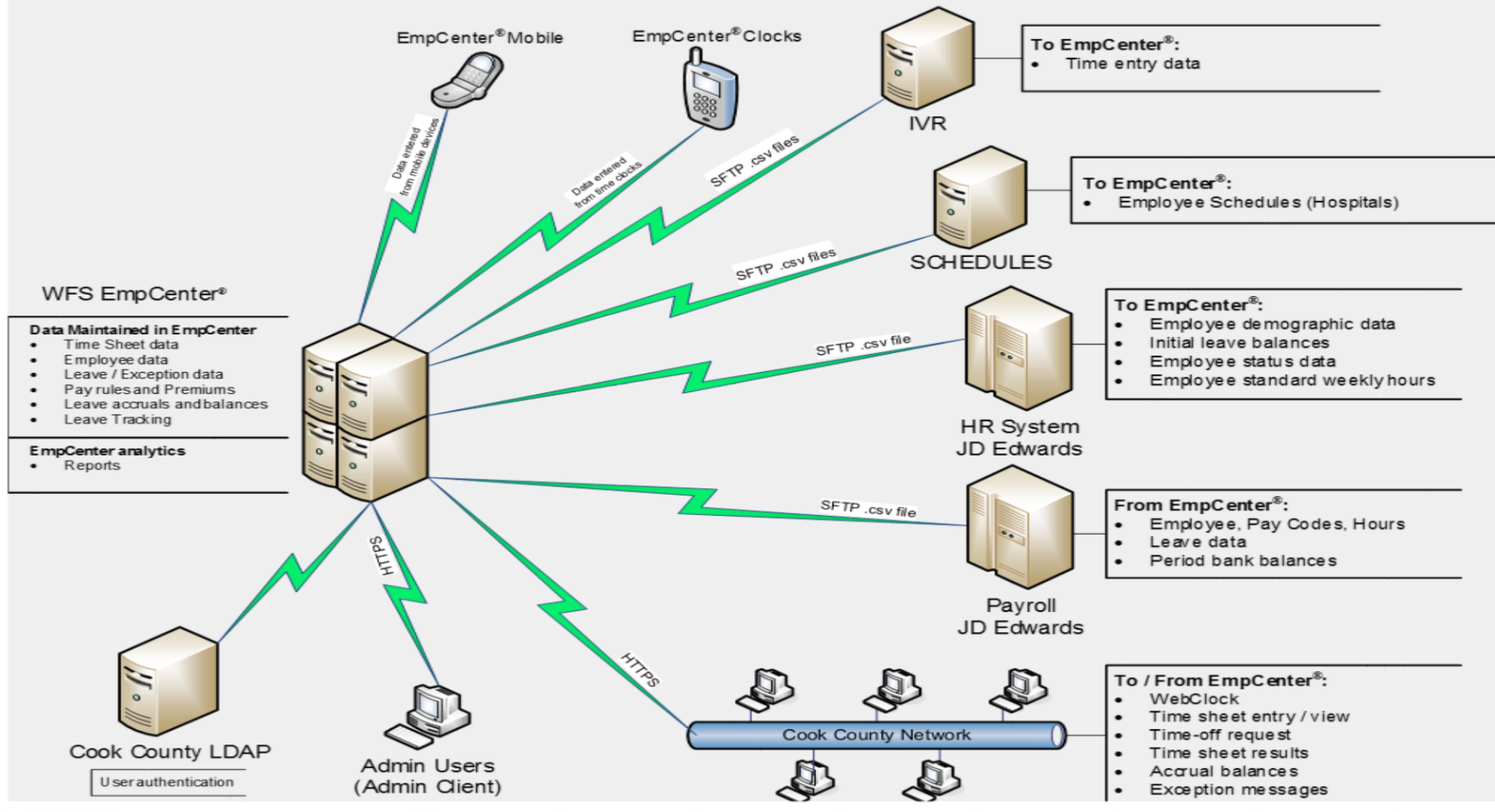
Nov 30, 14

Details	April	May	June	July
Bank Interface <i>Checks, Payroll ACH, Positive Pay and (SDU)</i>			DEVELOPMENT	TESTING
CCHHS Field Requirements			DEVELOPMENT	TESTING
RICE Enhancements <i>See Note Below</i>		DEVELOPMENT AND TESTING		
Single Sign-On Integration			DEVELOP AND TEST	
EmpCenter Integration	DEVELOP AND TEST 5 OUTBOUND		DEVELOP AND TEST 2 INBOUND	SYSTEM TESTING
	FUNCTIONAL & TECH CONFIGURATION		SYSTEM TESTING	AGENCY ROLL OUT
Employee Self Service				
HR Training and UPK Development	CUSTOM TRAINING CONTENT DEVELOPMENT			BHR TRAINING

RICE Enhancements – Open Enrollment file is key Work in Progress

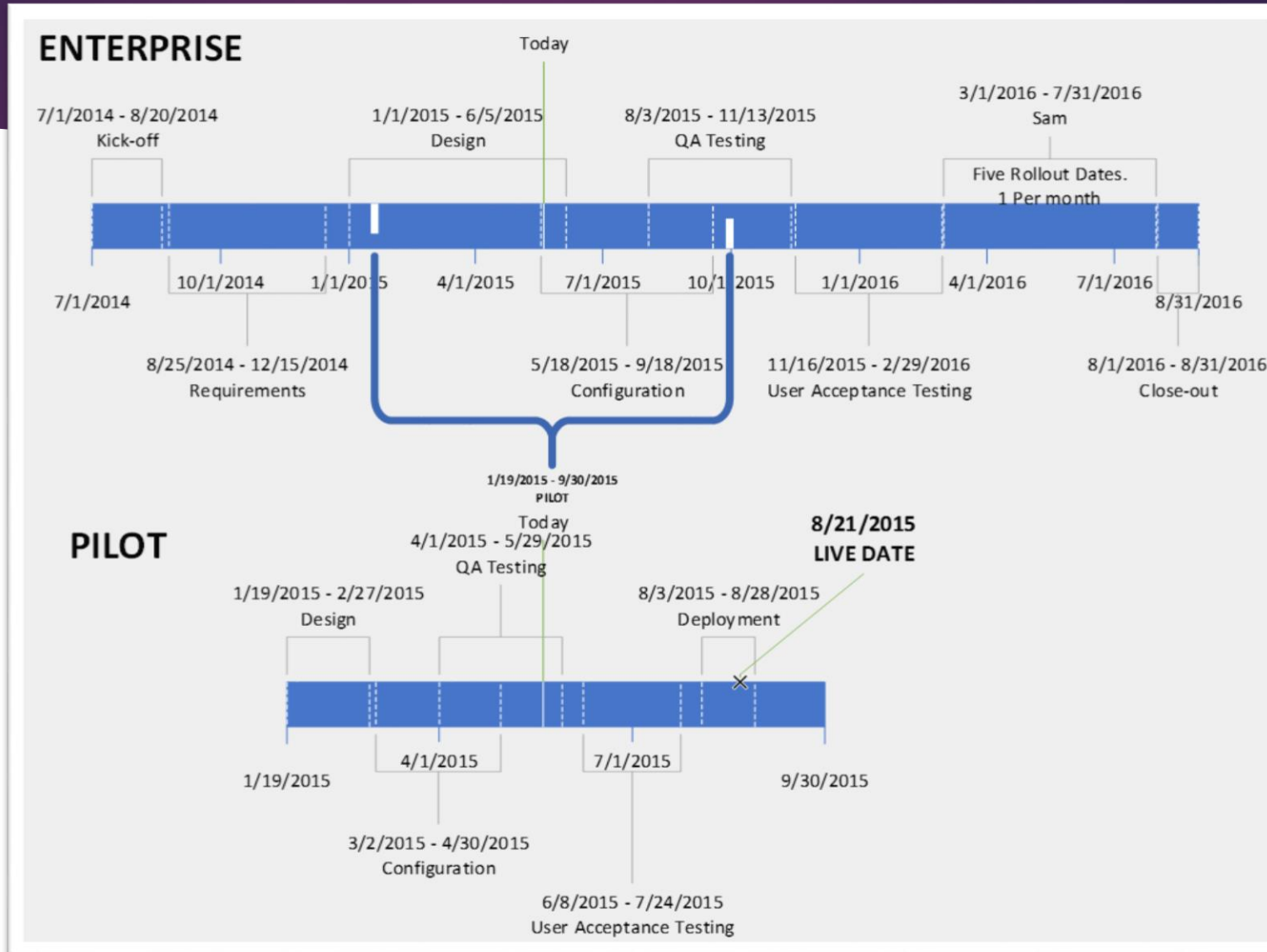
Appendix: Time & Attendance Implementation System Overview

System Overview – Cook County EmpCenter® Time and Attendance and Absence Compliance Tracker



Appendix: Time & Attendance Implementation System Configuration Timeline

a.



Appendix: ERP System *Implementation & Managed Services Scope*

Implementation & Managed Services Scope of Work

Software and System Integration Services and Managed Services for Oracle E-Business Suite ERP Software RFP #1418-14268

Implement Oracle's proposed ERP software solution based upon the E-Business Suite ("EBS") platform; best practices dictate bringing in a specialized technology firm with repeated experience in this particular field

- Financials
- Supply Chain Management
- Human Resources
- Payroll
- Organization-wide reporting and analytics

Provide managed services for the technical support of the EBS solution alternatively either via:

1. On-Premise at the County Data Center
2. Private or Public Cloud Hosting

Implementation Timeline beginning FY2015 with core functions targeted for Production Q1 FY2017 Project Process Improvements to be facilitated by an experienced technology vendor to lead business transformation enabled by modernized technology:

- Best Practices
- Streamlined, Automated Workflows
- Improved internal controls to address remaining audit findings
- Real-time Analytics
- Leverage native functions of an industry leading software platform
- Anticipated Full Compliance with 35% participation of County-certified M/WBE subcontractors

Appendix: ERP System *IV&V Services*

a.

Independent Validation & Verification (IV&V) Performance Assurance Audit Services Contract

In such large enterprise technology implementations, in both public and private sectors best practices dictate hiring a third party vendor to perform a specialized quality control audit

Propose Awarding the IV&V services contract to Grant Thornton, LLP

Comparable Government Procurement pursuant to Section 34-140 of the Cook County Procurement Code. Grant Thornton, LLP was previously awarded a contract by the Illinois Tollway through a competitive RFP process.

Contract Terms

- Term: 3 years
- Cost: \$2,930,000
- Full Compliance with 35% participation of County-certified M/WBE subcontractor

IV&V Statement of Work

- Responsible for validating the quality of Software integration deliverables
 - Active review of the project and vendor approach to creating the deliverables
 - Review of expectation documents and templates for each deliverable
 - Active participation in a selected set of project meetings, design sessions, and spot checking documentation
- Developing Procedures Manual for conducting the Quality Gate Reviews (QGR)
 - Training the County project stakeholders and the vendor's project team on QGR procedures
 - Assessment of staff readiness and awareness/involvement in the project