DEMOCRACY, DIVERSITY AND THE DIGITAL COUNTY





CC BUREAU OF TECHNOLOGY

- 5.2 million population
- 946 square miles
- 127 overlapping municipalities
- 25,000 employees
- County courts is the world's largest unified trial court
- Health system is the second largest health system in the nation
- County's annual operating budget is \$3 billion
- Was reduced by 16% in 2011

- Infrastructure and application and web development/support
- Large IBM mainframe
- Large iSeries servers
- 118 servers
- 10,000 desktop users supported
- Wide-area high speed network connecting major locations
- VOIP telephone system supported
- 140 employees
- \$20 million operating budget

4-YEAR STRATEGIC TECHNOLOGY PLAN

Cook County Bureau of Technology

Disaster recovery/business continuity plan Cloud computing Unified communications Server consolidation Cook County fiber ring and virtualization Reorganization Shared services Disaster Intra- and interrecovery/business Year 2 application governmental continuity plan replacement collaboration Unified ERP phase I go-live IT governance communications plan Program Shared services management office Year 1 application replacement Application ERP kickoff planning New rapid development environment Improved connectivity Cost control strategies

Cloud computing
Unified communications
Cook County fiber ring
Shared services
Year 3 application
replacement
ERP phase II go-live

3 priority projects

	①	2	3
Project	Open data project	South suburban broadband	IT collaborative
Goal(s)	Transparency and accountability	Improved services	Innovative leadership, fiscal responsibility
Characteristic	In formation freedom	Universalaccess	C o lle c tiv e in te llig e n c e
Type	Software	Hardware	Wetware

① Open data project

- Many residents don't know what County government is or what it does
- Many residents don't know how their tax dollars are collected or spent
- Historical lack of transparency means many local citizen activists are disengaged and cynical
- Lack of transparency breeds doubt, skepticism, inefficiency and corruption

① Open data project

- Ordinance: Cook County's open data ordinance begins making data public. Agency heads partner with Board President and Commissioners to make initial high-value data sets public.
- 2. Data portal: County launches a single-site portal centralizing data in developer-friendly formats. Data offerings continuously expand.
- App contests and data camps: County encourages developers and activists to drive new and improved government services through mobile apps and data visualizations.
- 4. Continuous improvement: County expands data offerings, provides ongoing incentives for developers and activists and opens a conversation about improving our government.

① Open data project

March-April 2011 Summer 2011 2012 Beyond Enact open Host launch Continue fostering developer data party/ community through data camps, and contests and conferences ordinance App contest Use resulting information to improve Partner with vendor to create singlegovernment efficiency, effectiveness site data portal and fairness **Invest County** Expand public data offerings data owners

- NE IL Broadband Opportunity Partnership
- Economic development focus (high unemployment / high job potential area)
- ICN I-57 corridor (1st phase of ARRA buildout)
- CTA fiber connectivity @ 95th Street
- Laterals to Cook County assets: Markham Courthouse, Oak Forest Hospital
- Regional partners: SSMMA, Cook County, ICN, CTA, IDOT, Will County, MPC, Chicago

- Laterals to municipalities along I-57
- County hospitals, courthouses as middle-mile anchors
- High speed via ICN, CTA to Chicago
 CBD
- Benefits CN railroad intermodal terminal
- Benefits intermodal econ dev area
- Benefits Illiana Expressway project area
- Benefits South Suburban Airport



Specifications

- Open-access 96-strand, single-mode fiber
- Dark fiber available to meet open access requirement
- Two strands fiber equipment providing gigabit service
- Primary ICN and internet access for anchor institutions
- Target speeds:
 - 1Gbps service to anchors
 - 100 Mbps service
 - 10 Mbps service
 - Dark fiber access IRU*

*Indefeasible rights to use agreement

Budget (\$ millions)			
County laterals and network electronics*			
SSMMA I-57 backbone and access points 2.4			
 SSMMA muni laterals and network electronics 			
Engineering and project management			
Total	 16.1		
*Proposed County share (includes western Cook segments) Proposed State share	6.1	10	
Cook County Bureau of Technology		04/26/11	
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③ IT collaborative board

- Cook County spends >\$100 million annually on IT; \$20-25 million is in Bureau of Technology, rest is under separately elected officials, hospitals.
- Multiple platforms, standards, architectures
- Siloed technologies and business processes; little cross-boundary access or data sharing; little use of xml, NIEM*, protocols for data in motion
- Support requirements far exceed capacity

^{*}National Information Exchange Model

③ IT collaborative board

IT governance and program management process (proposed ordinance 4/20/11)

IT Collaborative Board

- Agencies submit project requests >\$100,000
- The Collaborative Board applies guiding principles: connected government, economies of scale, reduce redundant processes, application reuse, standardized platforms and architecture
- Approved requests are submitted to IT Investment Board

IT Investment Board

- •Is there budgetary authority?
- Have project costs and benefits been accurately estimated?
- •What is the return on investment?
- Is the investment affordable?
- Approved requests are referred for submittal to County Board (or appropriate authority)

IT governance

Board of Commissioners

 Review and approve / reject RFPs, sole source requests, IGAs, contracts, amendments

Board of Commissioners Technology Committee

- Review and approve / reject RFPs, IGAs or sole source requests
- Review and approve / reject contracts and amendments
- Project status updates

CIO Program Management Office

- Administer project charter process
- Agencies report project status (budget, scope, schedule)
- PMO provides regular updates to Board via project dashboard

Program management

③ IT collaborative board

- Timetable
 - Meet with CIO roundtable 4/15/11
 - Introduce ordinance 4/20/11
 - Meet with elected officials by 5/13/11
 - Pass ordinance by end May 2011
 - Effective immediately

- Resources
 - Deputy CIO for Shared Services
 - PMI-trained PMO lead
 - Business analyst(s)
 - Agency designees to collaborative board

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Cook County Bureau of Technology