

DEMOCRACY, DIVERSITY AND THE DIGITAL COUNTY



eChicago 2011

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COOK COUNTY

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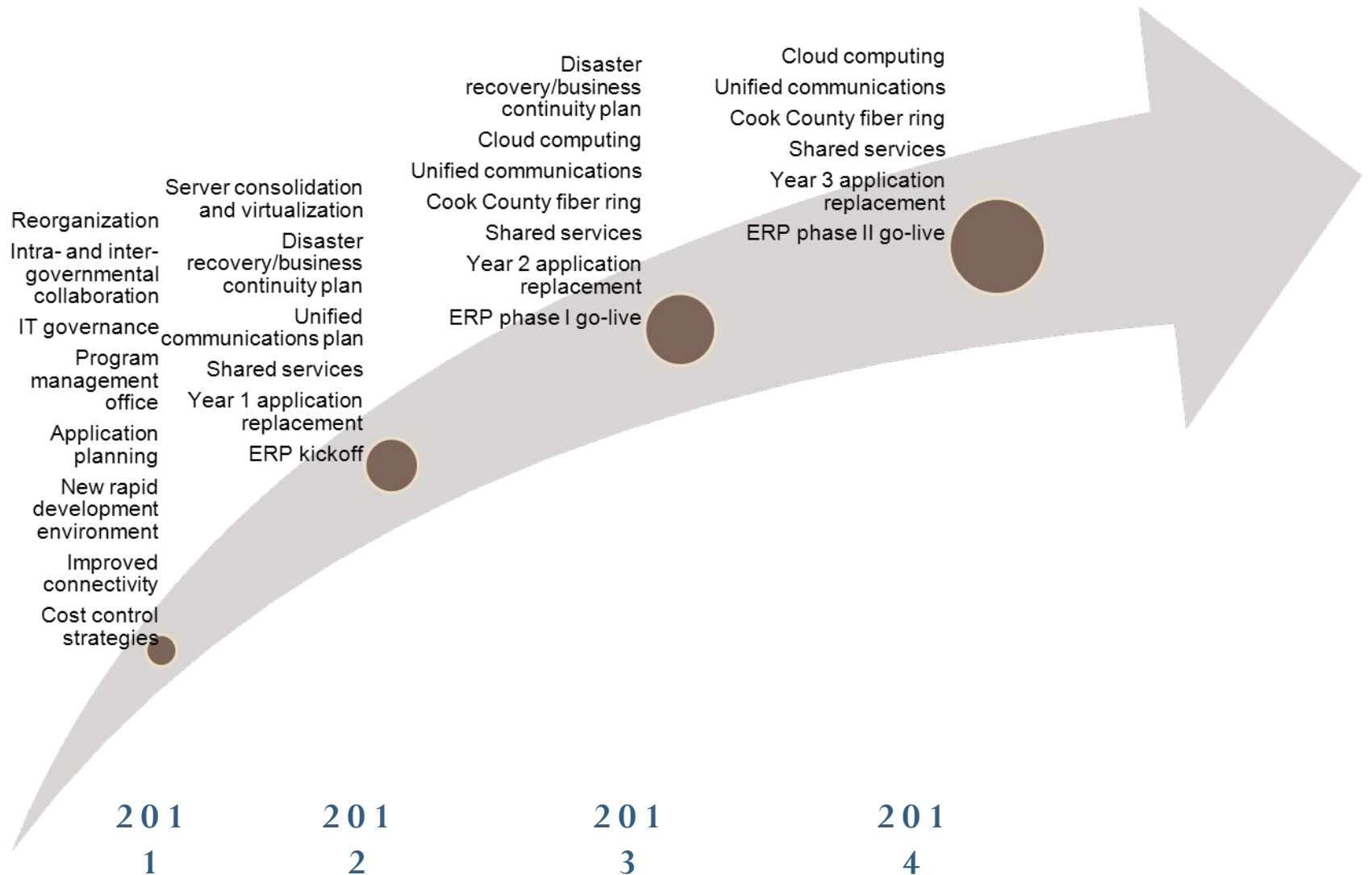
- ▣ 5.2 million population
- ▣ 946 square miles
- ▣ 127 overlapping municipalities
- ▣ 25,000 employees
- ▣ County courts is the world's largest unified trial court
- ▣ Health system is the second largest health system in the nation
- ▣ County's annual operating budget is \$3 billion
- ▣ Was reduced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

CC BUREAU OF TECHNOLOGY

- ▣ 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



3 priority projects

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	①	②	③
Project	Open data project	South suburban broadband project	IT collaborative board
Goal(s)	Transparency and accountability	Improved services	Innovative leadership, fiscal responsibility
Characteristic	<i>Information freedom</i>	<i>Universal access</i>	<i>Collective intelligence</i>
Type	Software	Hardware	Wetware

① Open data project

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- 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

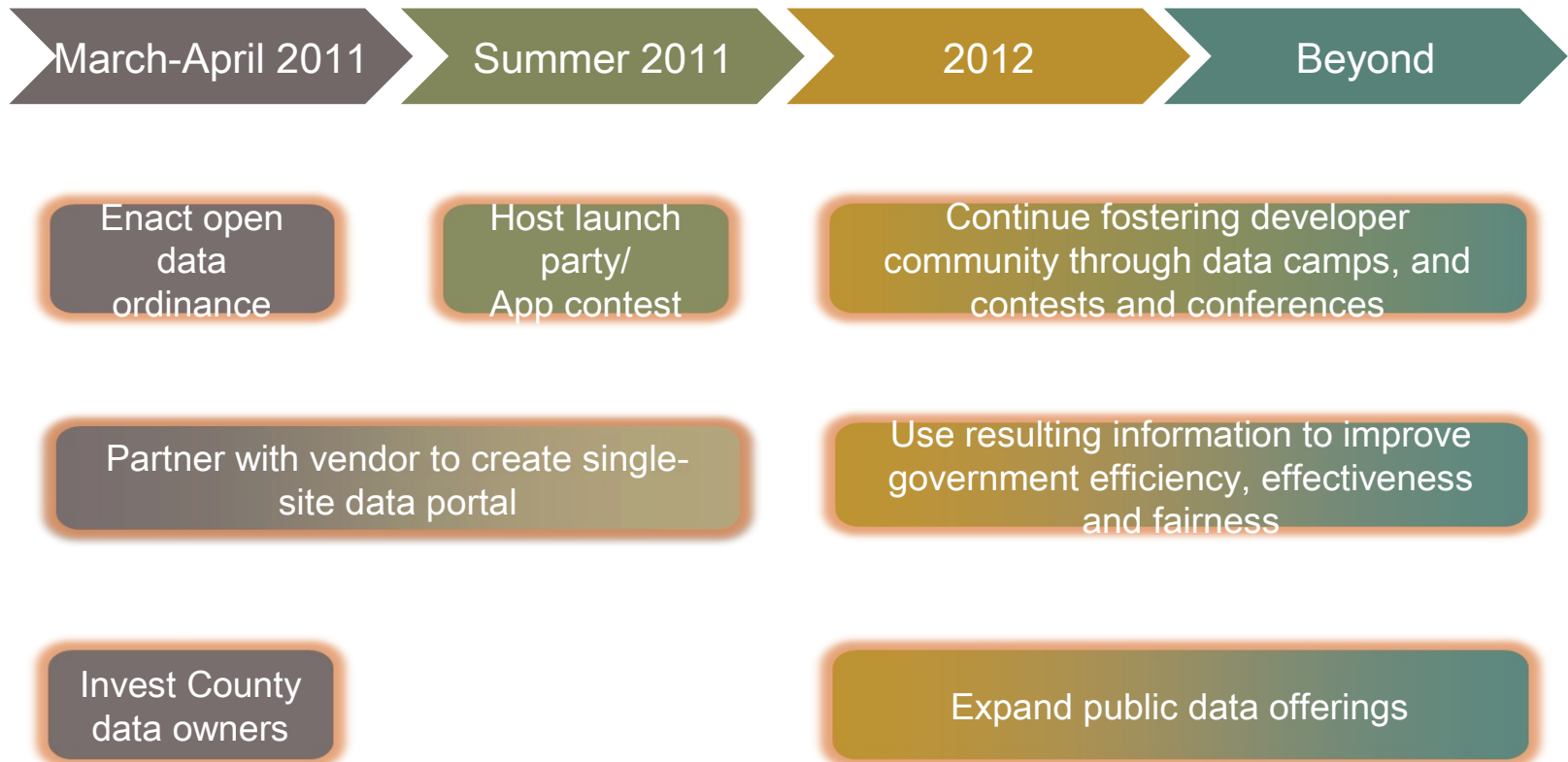
① Open data project

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1. **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.
3. **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

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② South suburban broadband project

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- NE IL Broadband Opportunity Partnership
- Economic development focus (high unemployment / high job potential area)
- ICN I-57 corridor (1st phase of ARRA build-out)
- 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

② South suburban broadband project

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- 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



② South suburban broadband project

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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

② South suburban broadband project

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Budget (\$ millions)

- | | |
|---|-----|
| □ County laterals and network electronics* | 8.8 |
| □ SSMMA I-57 backbone and access points | 2.4 |
| □ SSMMA muni laterals and network electronics | 3.7 |
| □ Engineering and project management | 1.2 |

Total	16.1
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*Proposed County share (includes western Cook segments)	10
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Proposed State share	6.1
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③ IT collaborative board

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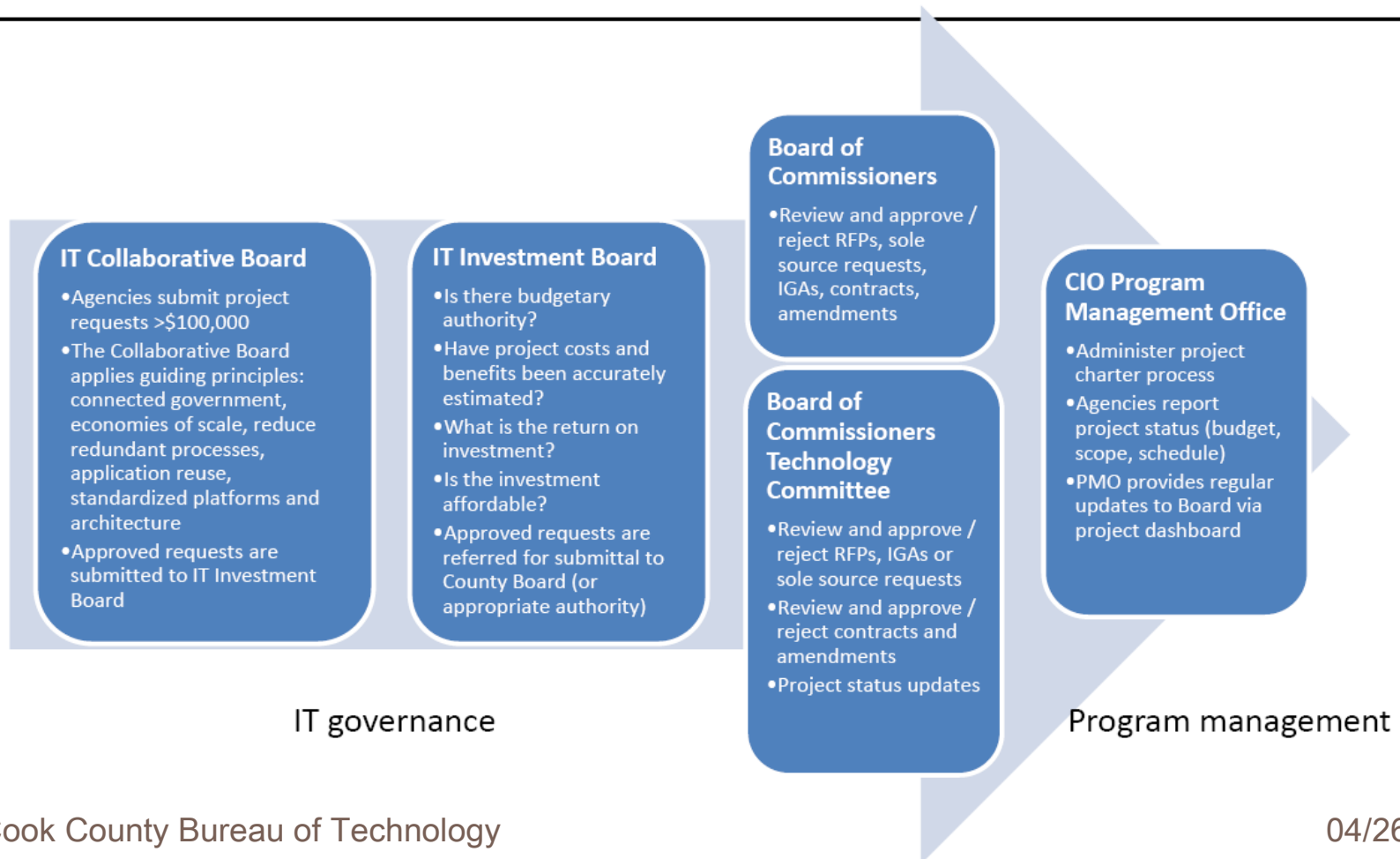
- Cook County spends >\$100 million annually on IT; \$20-25 million is in Bureau of Technology, rest is under separately elected officials, hospitals.
- Multiple platforms, standards, architectures
- Siloed technologies and business processes; little cross-boundary access or data sharing; little use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

*National Information Exchange Model

③ IT collaborative board

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



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

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