# **Transforming Government**

Through Business and Information Technology (IT)/Information Resource Management (IRM)

> Sanjeev "Sonny" Bhagowalia Chief Information Officer May 31, 2012







- Where we are
- Where we want to be
- How we are going to get there
- What you can do to help

A Journey of a thousand Miles begins with a single step – Lao Tzu, Chinese Philosopher (640 BC-531 BC).

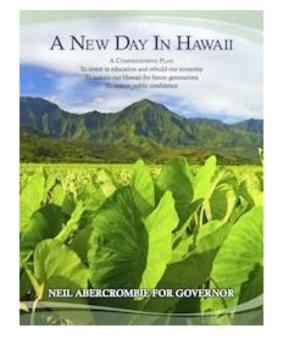


## A New Day in Hawaii





- \$ 11 B State Budget
- 1.4 M Citizens/Residents
  41,000 State Employees
- 18 Departments 36
  Lines of Business

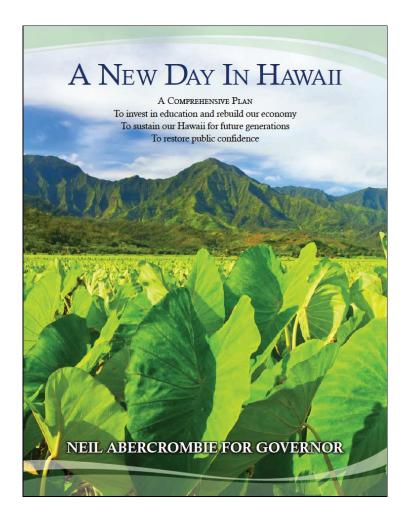


- Grow a Sustainable
  Economy
- Invest in People
- Transform Government



### **The New Day Vision**





#### GROWING A SUSTAINABLE ECONOMY

- New Day Work Projects
- Renewable Energy
- Food Security
- Innovation Economy
- Improvements on Public Lands
- o Environmental Stewardship
- Culture, Arts, Creative Industries

#### INVESTING IN PEOPLE

- o Early Childhood
- Education and Workforce Development
- Healthcare Transformation
- Safety Net, Homelessness, Public Safety
- o Housing

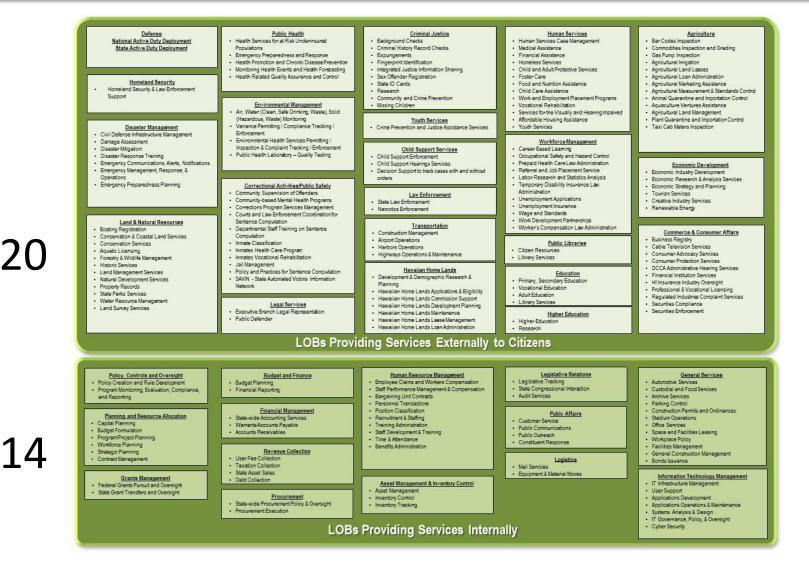
#### TRANSFORMING GOVERNMENT

- Information Technology
- Fiscal Management
- o Operations Management
- o Customer Service
- o Civil Defense and Security



#### State of Hawaii's Lines of Business



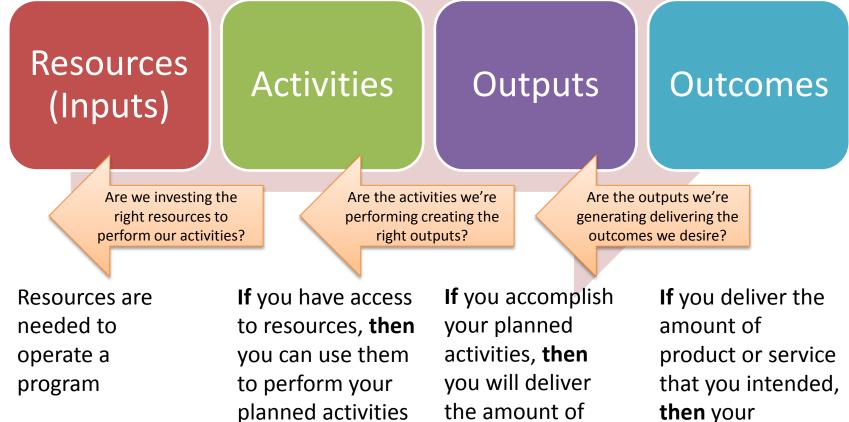


#### 34+2=36 LOBs and 204 Business Functions/Services



#### **The Value Chain**





product or service

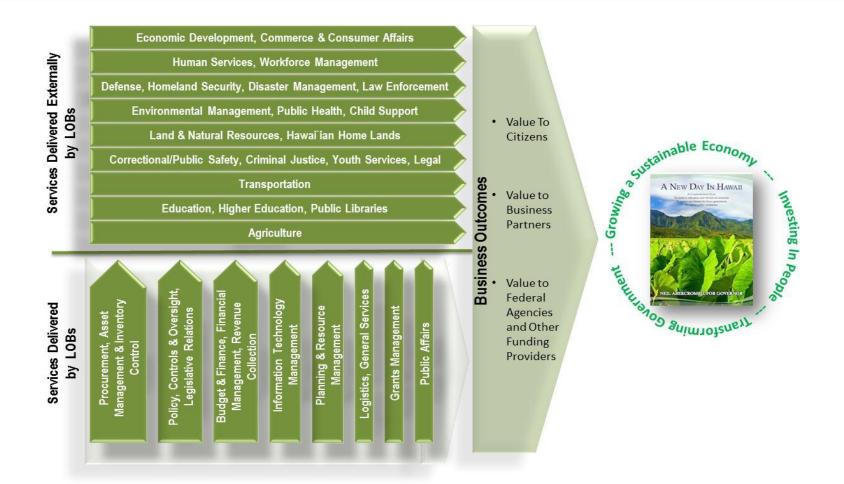
that you intended

then your stakeholders will benefit



#### Value Chain for State of Hawaii





We will be thinking not in terms of organization (Departments) but in *Lines of Business,* areas where we deliver value to the people of Hawaii



### **Notional Map of LoBs to Departments**

							_						_		Lir	ne of	Busi	nes <u>s</u>	with	in th	e Stai	te of	Line of Business within the State of Hawai`i																									
			LOB Services Provided Externally															LOB Services Provided Internally																														
		Defense	Public Health	Criminal Justice	Human Services	Agriculture	Homeland Security	Disaster Management	Correctional Activities/Public Safety	Education	Higher Education	Public Libraries	Youth Services	Child Support Services	Workforce Management	Environmental Management	Law Enforcement	Economic Development	Hawai`ian Homelands	Land & Natural Resources	Transportation	Commerce and Consumer Affairs	Legal Services	Policy, Controls, and Oversight	Planning and Resource Allocation	Grants Management	Revenue Collection	Budget and Finance	Financial Management	Procurement	Asset Management	Human Resources Management	Legislative Relations	Public Affairs	Information Technology	General Services	Logistics											
	AG																																															
Departments within the Executive Branch	B&F																																															
	DAGS																																															
	DBEDT																																															
	DCCA																																															
	DHHL																																															
	DHRD																																															
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	DOT																																															
	DOTAX																																															
	HDOA																																															
	OIMT/ICSD																																															
	PSD																																															
	UH																																															
	Gov/LtGov																																															
	Lead Secondary Mission														Stake	ehold	er																															

This is still under construction – but the notional approach is provided for discussion

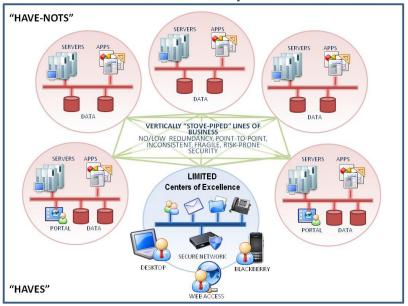






- 18 Departments
- \$157.5 million IT/IRM budget
- 746 IT/IRM staff
- Over 700 applications
- More than 200 lines of business
- High duplication of effort
- Wide funding disparities
- Some focused areas of excellence

# Many disconnected silos of effort



**Current View of Operations** 





- Inefficient manual interfaces
- Minimal enterprise integration and sharing
- Narrowly-focused federally funded solutions
- Limited use of IT/IRM to enable mission service delivery
- Aging legacy systems conditions (20+ years old)
- Proliferation of any and every type of IT/IRM product and service
- Little business process coordination or information sharing across departments (and programs)

## A clear need for transformation!





- 1) No coordinating authority for managing information resources and technology across the State
- 2) Lack of cross-cutting business process reengineering (BPR)
- Deep cuts in resources and budget reductions in the State over the past decade

### Major issues exist – but all are solvable!



# **20 Key Recommendations**

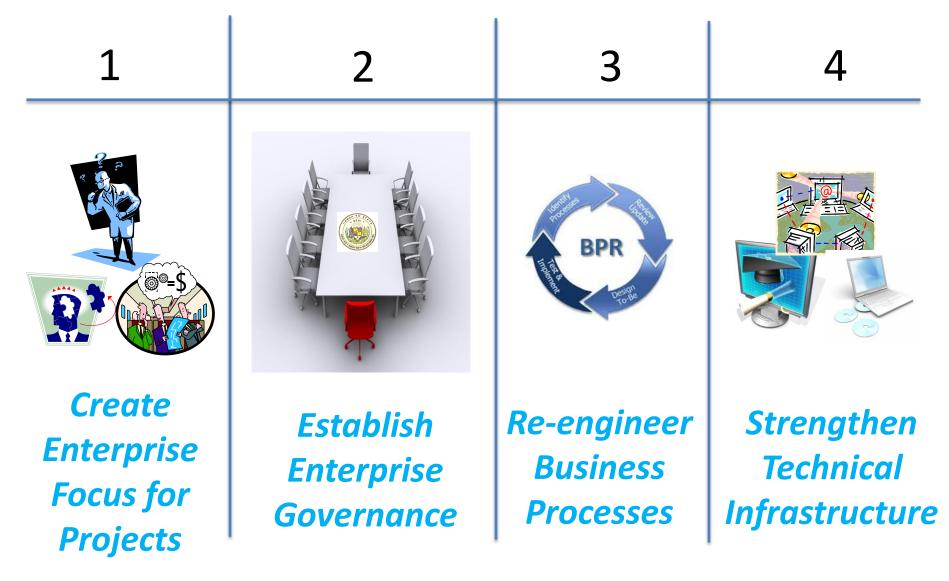


Business Reference Model Manual Interfaces Risk Assessments Performance Measures Funding for IT Agency Model Data Sharing and Collaboration Bargaining Unit Leadership Service Management Model Application Integration Platforms and Technologies Organizational Change ICSD Applications Portfolio Data Architecture IT Costs IT Skills

2() All recommendations are important but must be sequenced according to resources and readiness **Enterprise Focus Governance Strategies Business Process Re-Engineering Technical Foundation** We must start implementing 4 foundational recommendations now!











- Identify the constraint(s)
- Decide how to Squeeze the most out of the constraint(s)
- 3. Subordinate everything else to the above decisions
- 4. Elevate the constraint
- 5. Go back to Step 1

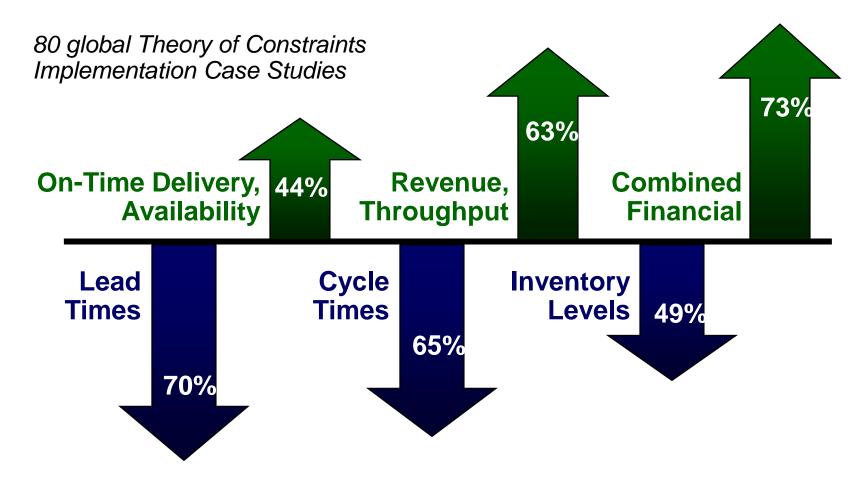
http://www.myviablevision.com







# http://www.myviablevision.com



Source: The World of Theory of Constraints, Vicky Mabin & Steven Balderstone, St. Lucie Press



# The Way Forward









#### **Mission**

To assist agencies in the effective, efficient and convenient delivery of programs and services to the public through business transformation and information technology modernization.

### Vision

A State where:

- the public engages with an open and transparent government;
- State employees, citizens and businesses have convenient and secure access to reliable information;
- government processes are streamlined, integrated and implemented to meet the public's service expectations;
- information technology and information capabilities align and support business needs, strategies, and outcomes;
- innovation and continuous improvement are fostered.





The transformation will benefit:

- State citizens through improved delivery of services and programs (e.g. going "online" instead of "waiting in line"); a more transparent and responsive government; and increased access to information and data.
- State employees with streamlined workflow processes allowing more focus on serving customers and access to a wider range of new technologies to support departmental mission, programs and services.
- **State government** through efficiently aligned services; reduced costs and unnecessary redundancies; increased reliability and security; and improved outcomes and accountability.



**Transformation Framework** 

1

2

#### **State Strategic Plan**





#### State of Hawai`i Business and IT/IRM Transformation Strategic Plan

Management and Oversight (Governance)



#### **Enterprise Architecture**

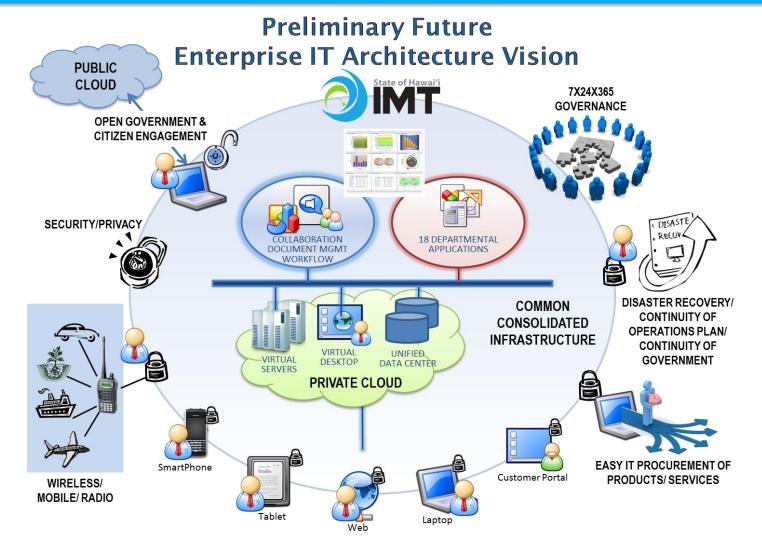


#### You will see incremental improvements and delivery







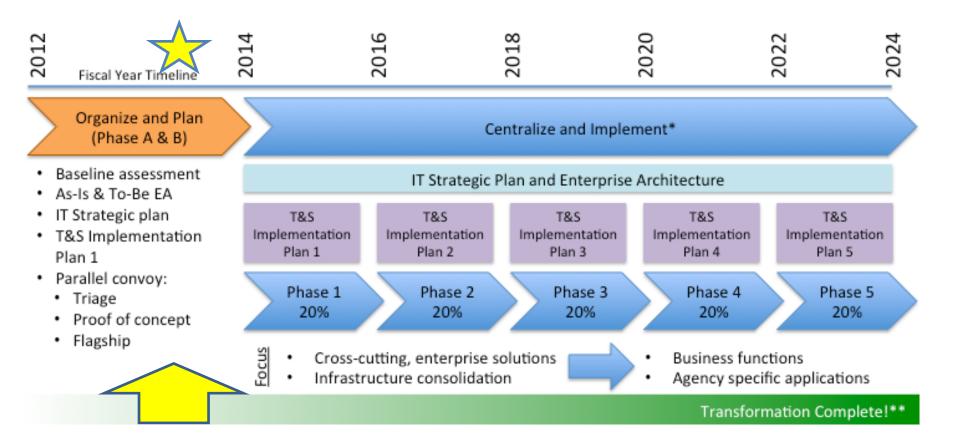


Access to the right information – anywhere, any time, any mission, securely and reliably



## The Transformation Plan





\*Successful implementation of Centralize and Implement Phases dependent on funding

\*\*State will pursue continuous improvement and innovation during and after the transformation

#### Multi-year, multi-phased plan with delivery along the way



# The Crossroads...



Agency Strategy Architect Invest Implement Strategic Results

Stove-Piped, Sub-optimized, IRM and IT Environment (Today)



Geo-enabled, Integrated, Mobile, Transparent, Web-Accessible, Open, Standards-based, Agile, Reliable, Available, Secure Enterprise Information and IT Environment (Goal)

We are at a Crossroad in History – Let's Choose the Pathway to Success!



INNOVATION SUCCESS EVALUATION DEVELOPMENT GROWTH SOLUTION PROGRESS MARKETING

# Mahalo!

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