



Department of Administrative Services

Day 4: All IT, All the Time

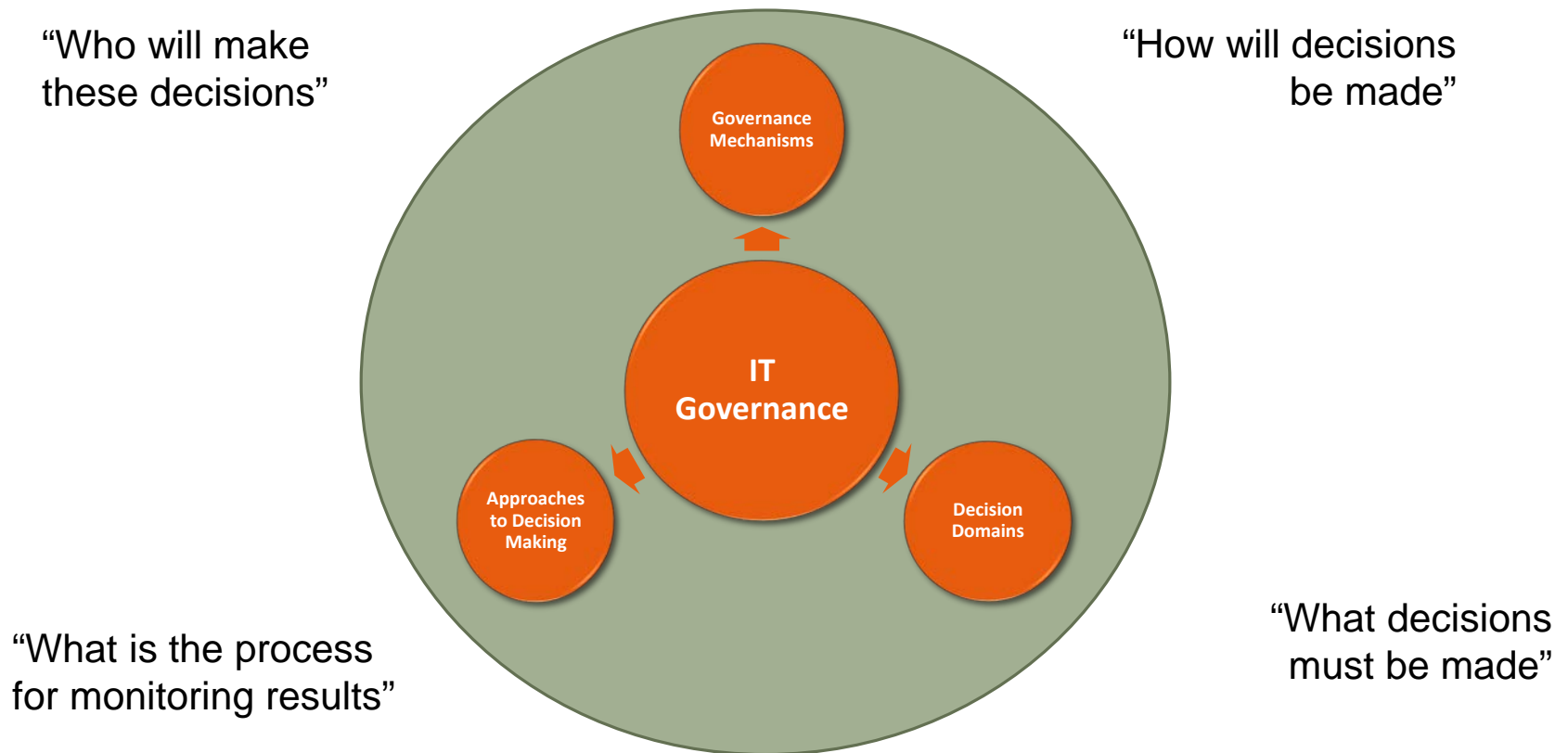


All Roads Lead through IT Governance



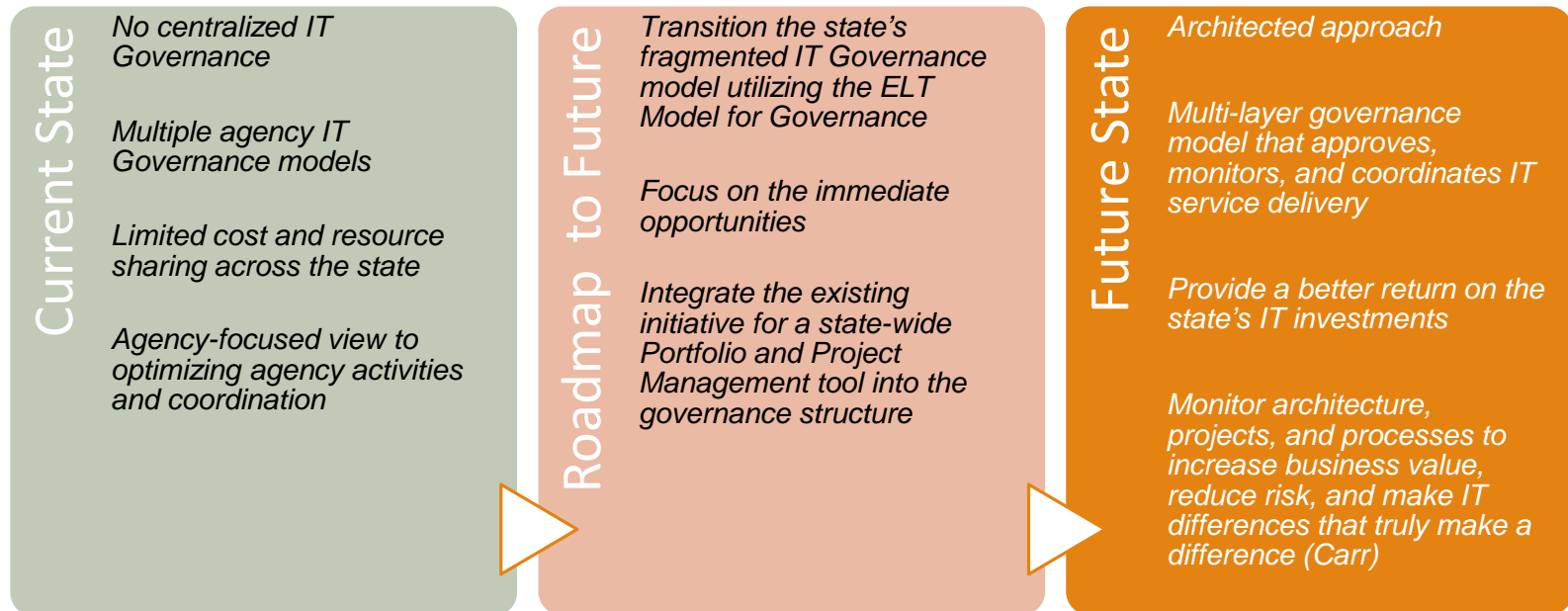
Aspects of IT Governance

IT Governance can be viewed as a combination of three high-level aspects¹



¹“A Matrixed Approach to Designing IT Governance”, MIT Sloan Management Review, by Peter Weill and Jeanne Ross

Future Governance Model



Governor

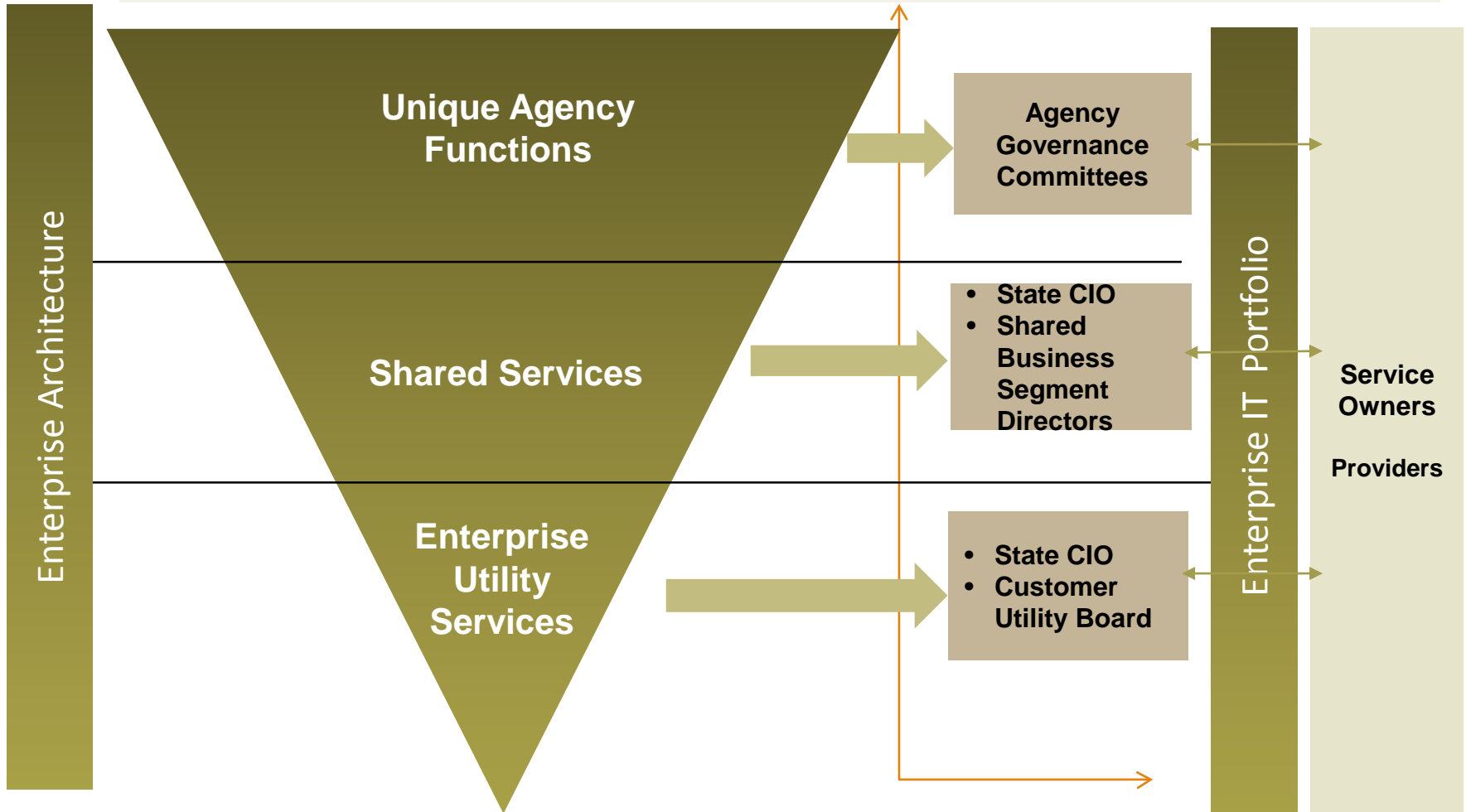
Enterprise Leadership Team

State COO

State CIO

Enterprise IT Governance Steering Team

Strategic Technology Office

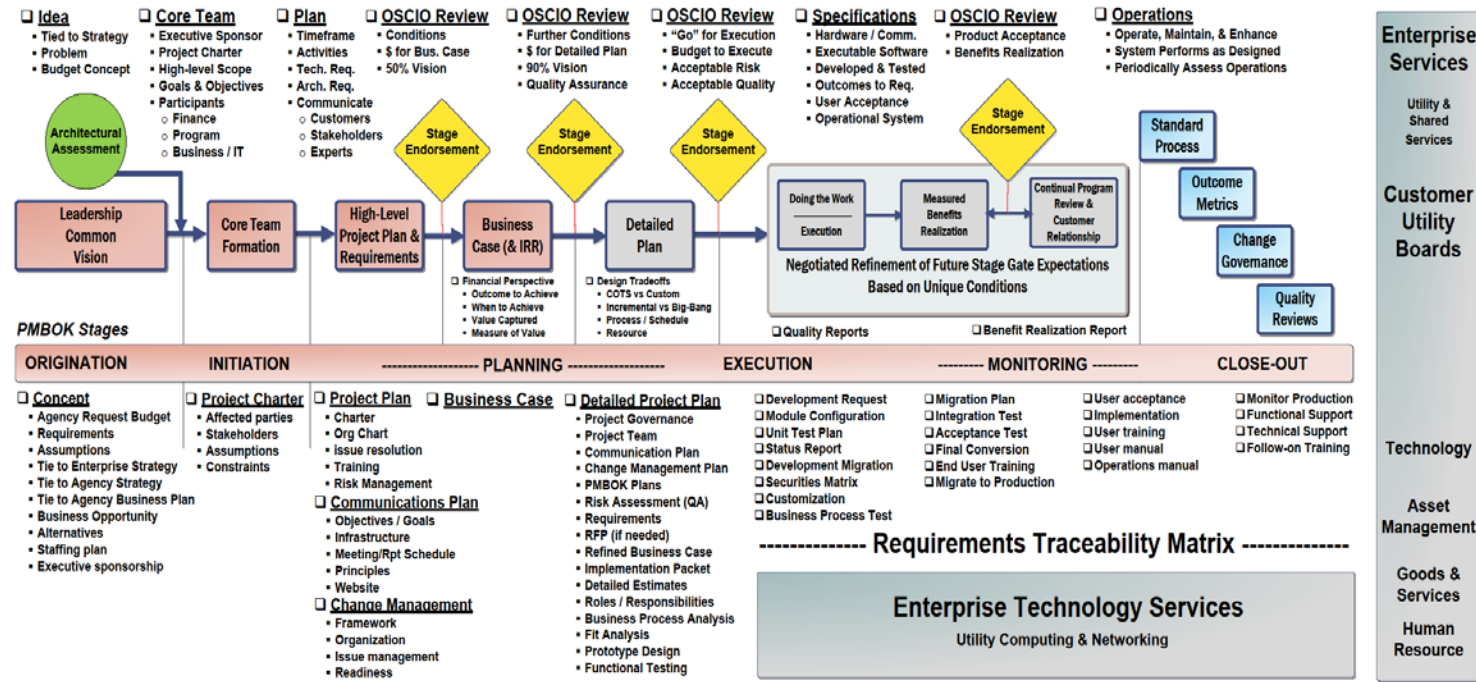
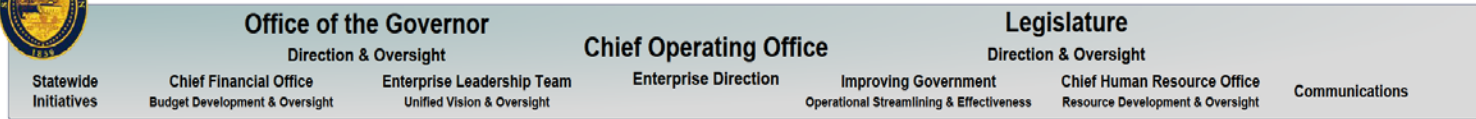


Enterprise IT Governance Meta Models

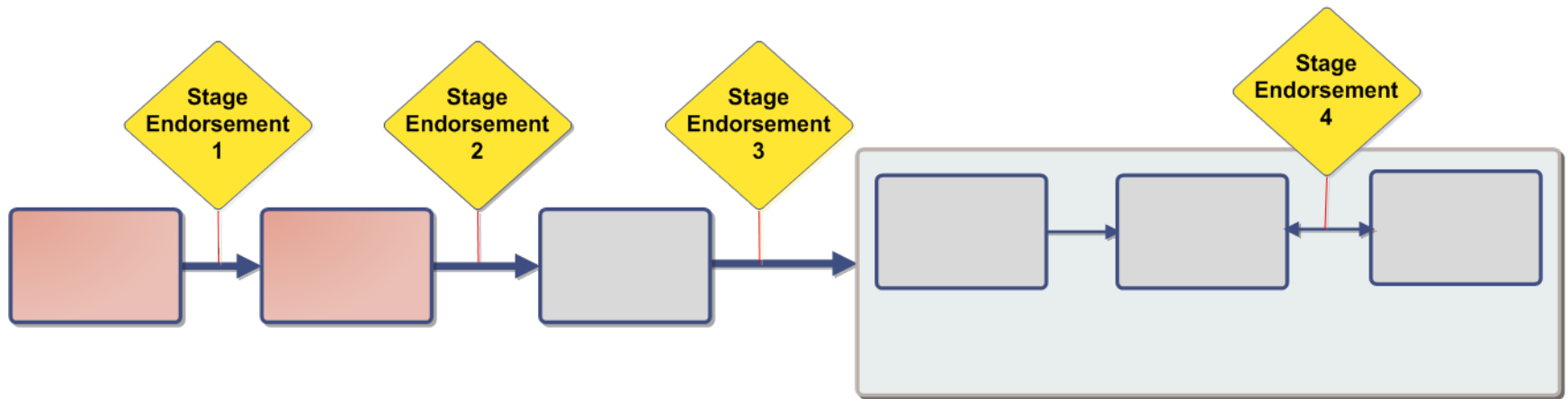
What (Inventories/Data)	How (Process)	Where (Distribution Channels)	Who (Responsibility)	When (Timing)	Why (Motivation)
<ul style="list-style-type: none"> •Inventory of current systems/applications •Data inventory •Enterprise Project Portfolio Management 	<ul style="list-style-type: none"> •Supports work flow processes for standard methodologies 	<ul style="list-style-type: none"> •Stipulate the environment where specific services can or should exist 	<ul style="list-style-type: none"> •Develop Lifecycles with internal partners •QA/QC/IV&V and other vendors •LFO and OSCIO oversight 	<ul style="list-style-type: none"> •Stage gating •Standard System Development Life Cycle •Standard Project Management Life Cycle 	<ul style="list-style-type: none"> •Set executive direction •Articulate professional objectives in the office of the State CIO •Policy and Rule review and update



Stage Gate Oversight – Functional Reference Model



Simple Model (Stage Gate Focus)



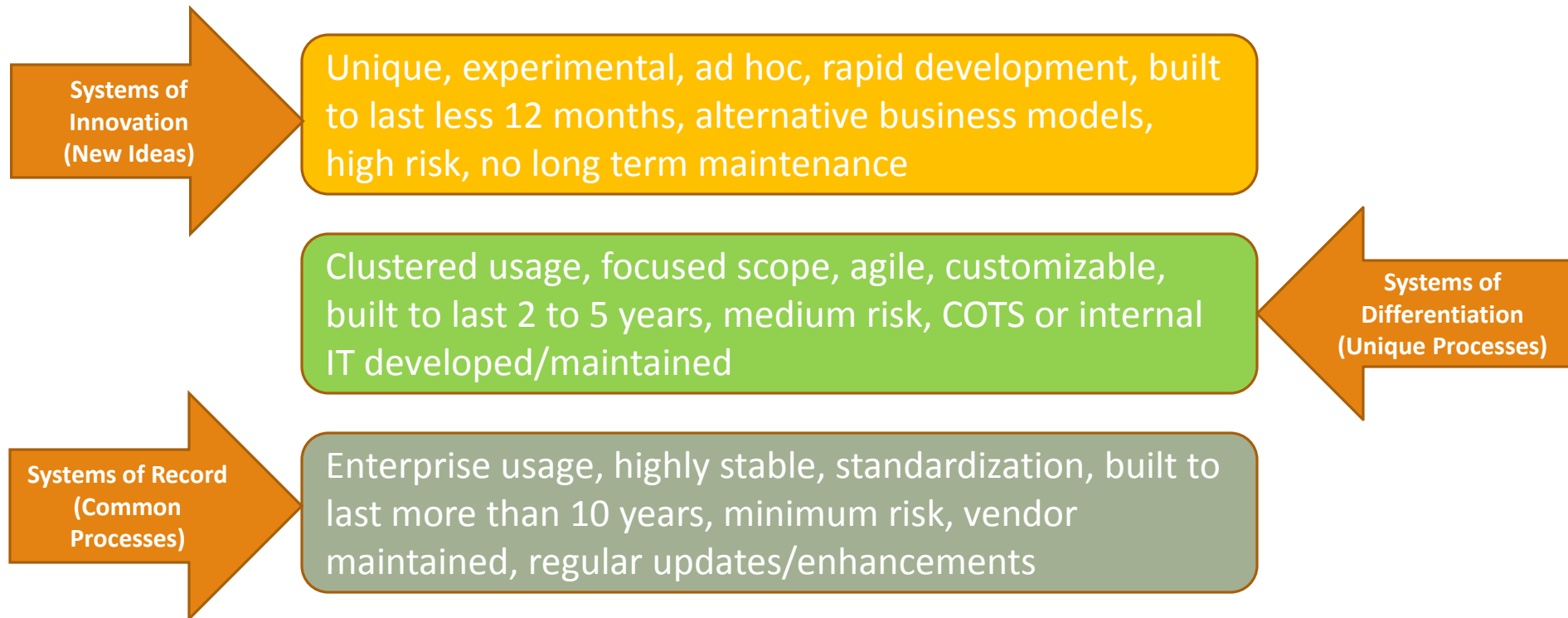
Stage 1: High Level Planning

Stage 2: Detailed Business Case & Foundational Planning

Stage 3: Detailed Planning

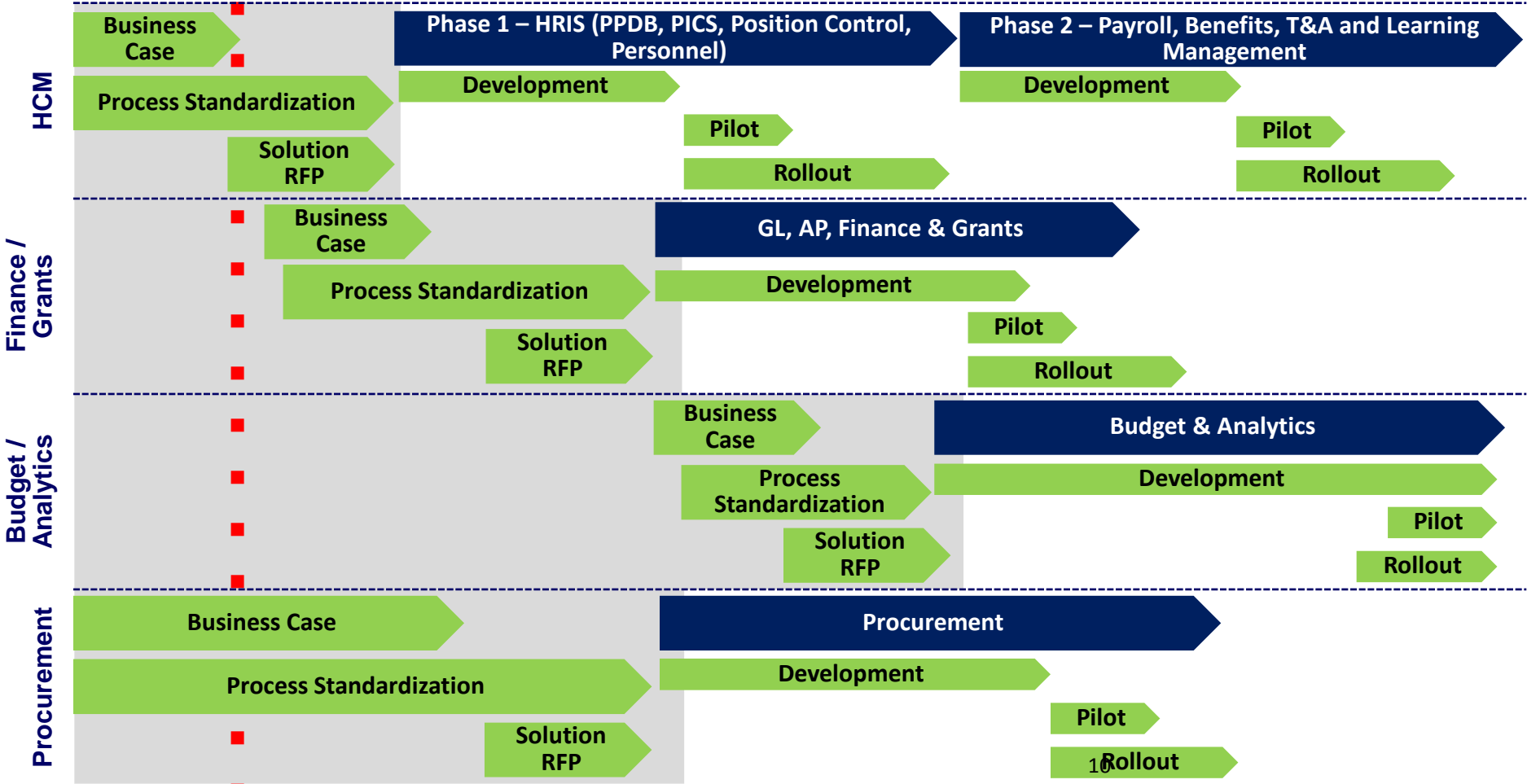
Stage 4: Execution

Pace Layer Attributes



Planning	Legacy System Modernization Execution			
Year 1	Year 2	Year 3	Year 4	Year X

Core Team – Governance, PMO, Change Management, Architecture and Support



HRIS Business Case – Benefits of a Modern HRIS

- Support the evolving business needs of agencies
- Reduce the need for shadow systems
- Compliance with FMLA/OFLA requirements
- Reduce paper and manual processes
- All human resource data in one place
- Ease of data retrieval and reporting
- Overall replacement strategy show HRIS is the most urgent need with the most readiness expressed

HRIS Business Case – Project Accomplishments

Project Planning

- Hired Certified Project Manager
- Project charter approved by Enterprise Leadership Team
- Steering committee formed & meeting monthly
- Project team of state agency & LFO participants formed
- Consultants hired for business case development and other deliverables

HRIS Business Case – Project Accomplishments

Executing

- Twelve vendor system demonstrations completed
- Survey of Enterprise human resource shadow systems
- 46 human resource and position control business processes mapped
- 810 requirements defined & categorized
- Review of Lessons Learned from past projects
- Consulted with Gartner and Deloitte on Best Practices and other State's experience
- Surveyed agencies on greatest area of need and readiness

HRIS Business Case – Project Accomplishments

Oversight

- Quality Assurance contractor hired
- Monthly briefings with LFO Agency & IT Analysts
- Business Case widely reviewed including project team, QA, LFO and CIO's office
- Business Case submitted to CIO's office for Stage Gate review and endorsement

HRIS Business Case – Critical Success Factors and Strategies

- Establish & follow a strong governance model
 - Create steering committee, technical advisory board, and change control board
- Provide adequate project resources
 - Recruit agency experts, backfill for participants, create a realistic schedule, staff adequately
- Make change management a critical part of the implementation solution
 - Employ organizational change management services

HRIS Business Case – Alternatives Summary

Alternative	Estimated Project Cost	Estimated 10 Year Operational Costs	Estimated Total 14 Year Lifecycle Costs	Project Length	Estimated Go-Live Month
A: Do nothing and continue to use the existing core HR systems	\$0	\$79,151,047	\$79,151,047	0	N/A
B: Build a custom HR application to replace PPDB and PICS	\$48,951,454	\$78,413,913	\$127,365,367	42 months	Jan 2018
C1: Acquire a COTS HRIS solution, housed on premise (DAS SDC)	\$22,991,817	\$58,236,548	\$81,228,365	36 months	Sep 2017
C2: Acquire a COTS HRIS solution, housed off premise (vendor site)	\$21,997,240	\$66,784,997	\$88,782,237	36 months	Sep 2017
C3: Acquire a COTS HRIS SaaS solution, housed in the cloud	\$13,134,879	\$55,461,181	\$68,596,060	24 months	Sep 2016

HRIS Business Case – Selected Alternative

COTS: Either hosted and operated by a vendor or Software-as-a-Service

RFP will ask vendor to propose what implementation model would be best for Oregon

Business Process Change Required

No Customization, Only Configuration

Private or Hybrid **Cloud Environment**

HRIS Business Case – Next Steps

Release RFI in January 2015 to inform RFP

Finalize RFP and Release in March 2015

Return to Legislature with Budget and Schedule

Request Funding and Approval to Sign Contract

Ramp Up of Project Team

Hire **Cultural Change Management** Contractor

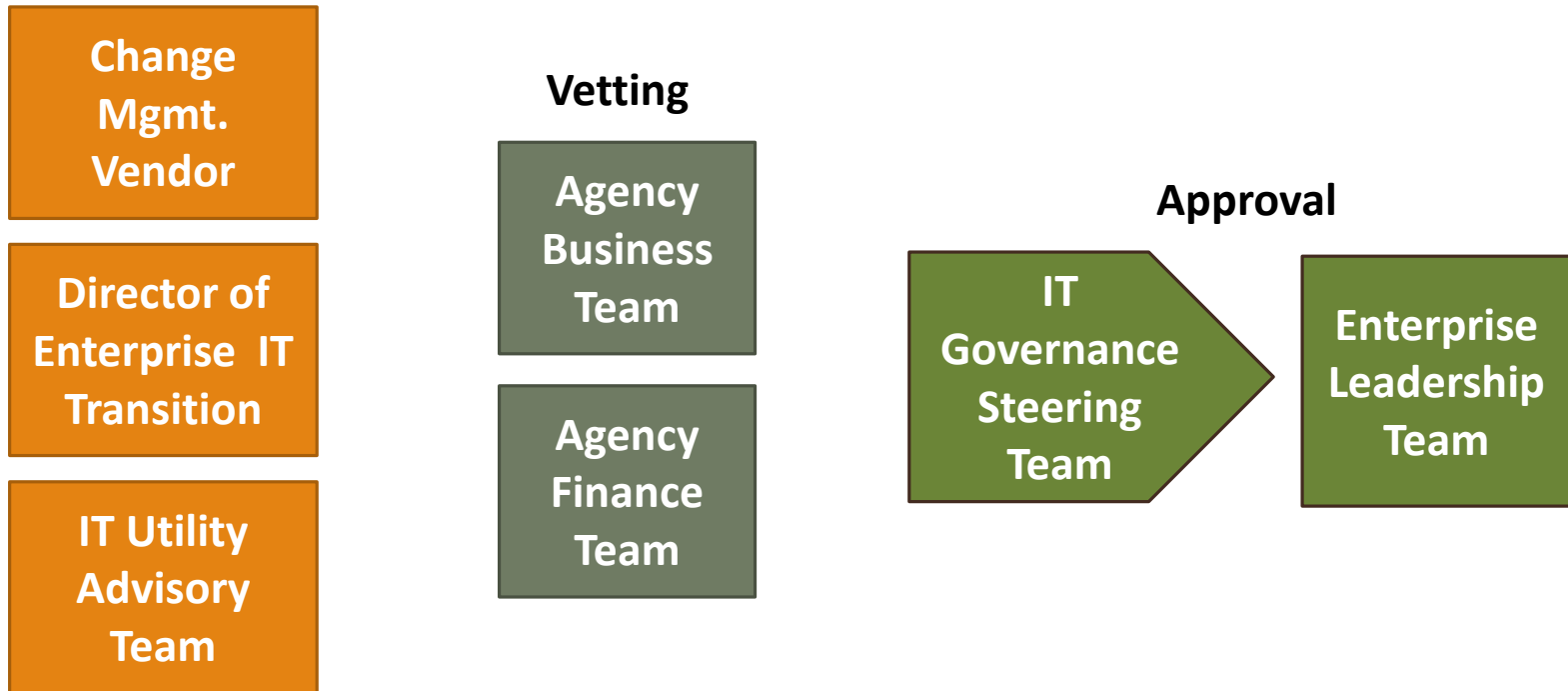
Hire **Independent QA**

Regular Review by State CIO's Office via Stage Gate Approval Requests

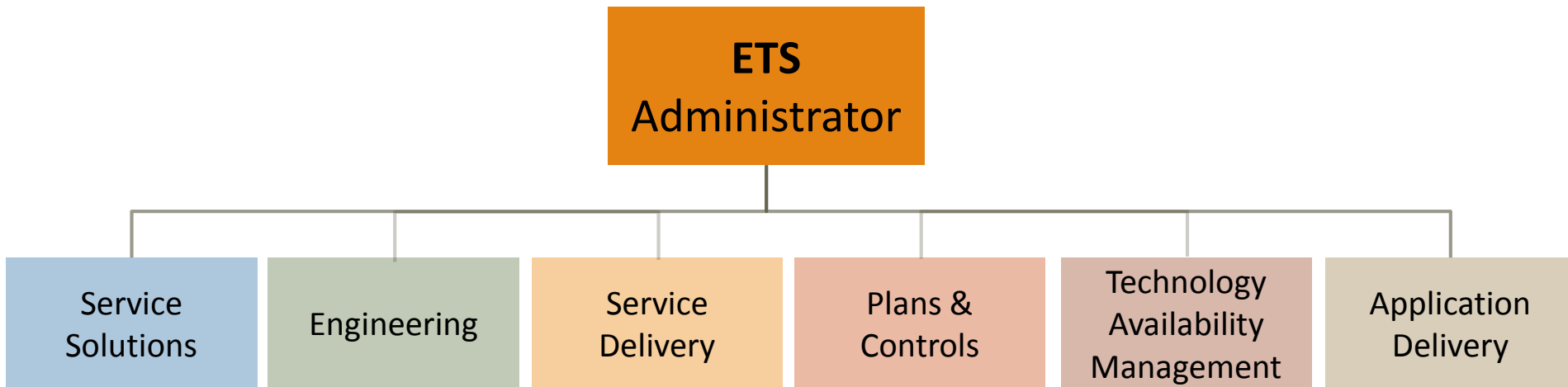
Regular Updates to LFO and Legislature

Common IT Service Delivery Project

Recommendations



Enterprise Technology Services



Mission: Provide reliable, agile and flexible IT service choices while optimizing the state's IT investments.

ETS Services



ETS Supports State Business

HealthCare

- Oregon Health Alert Network
- Oregon State Hospital
- Food Benefits System
- Medicaid Eligibility

Public Safety

- Drivers License system
- Criminal Records Checks
- Corrections Criminal Information System
- Juvenile Justice System
- Law Enforcement Data System
- Traffic Check

Revenue Generating

- State Income Tax System
- Corporate Tax System
- Child Support Enforcement System
- Online & mobile payments

- Child Support – DOJ
- Criminal Records Checks for Identification, Background, Licenses, Stolen Vehicles, Gun Sales & Permits – OSP
- Determining Assistance Eligibility – DHS
- Human Resources Administration Tracking & Records – DAS and Other Agencies

- Legislative Bill Writing and Tracking – All Agencies
- Medicaid, Senior Care, Childcare, Housing Assistance – DHS & OHA
- Processing Driver Records – ODOT
- Public & Commercial Drivers and Vehicle Licensing – ODOT

- SNAP – DHS
- State Financial System – DAS and Other Agencies
- Trucking Point of Entry & Oversize Vehicle Permits – ODOT
- State Payroll Processing – DAS & OSP
- Unemployment Insurance Claims – OED

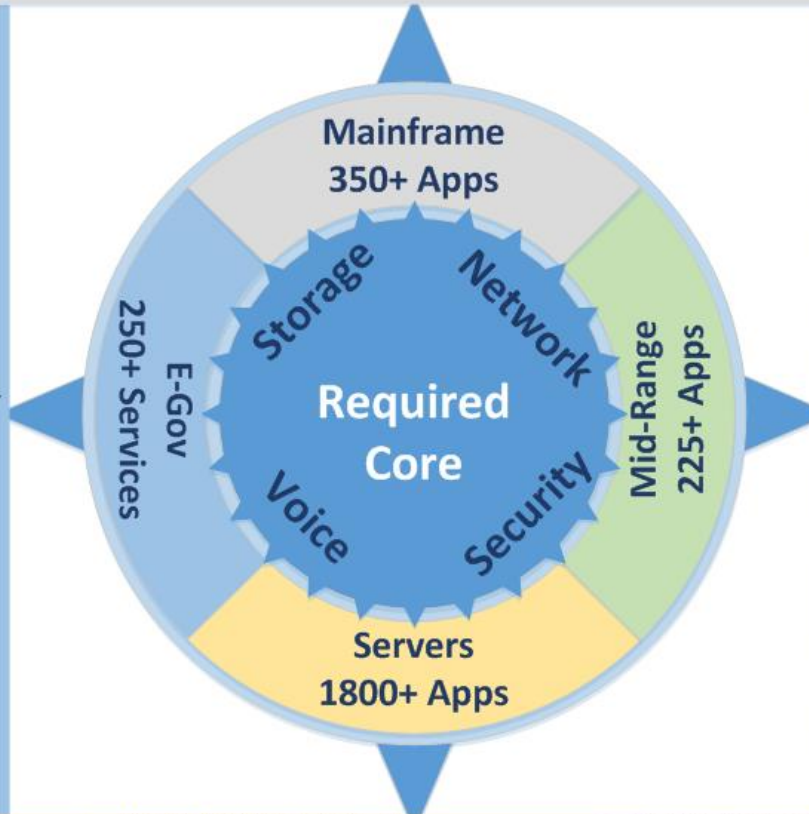
- Appellate Courts e-Filing Applications – OJD
- Aquatic Invasive Species Permit Payments – OSMB
- Board of Nursing Online Renewal Payments – OSBN
- Boat Registration Renewal – OSMB
- County Courts Websites – OJD
- Courts Websites – OJD
- DMV Call Center Office Location Interface – ODOT
- DOJ Website – DOJ
- Electronic Tax Payment System – DOR
- Health Related Licensing Boards Online Payments
- Law Library Digital Collection – DOJ
- Legislative Counsel e-Store
- Oregon.gov – ALL
- Public Meeting Manager – ALL
- SOS website – SOS
- SOS Business xPress – SOS
- SOS Online Payments – SOS
- State Surplus Online Payments
- Water Resources Online Payments

- DMV Dealers – ODOT
- Email Infrastructure – Most Agencies
- Emergency Dispatch Services for Forest Fires - ODF
- Energy Loan Program
- Green Light for Weigh Stations – ODOT
- Health Alert Network – OHA
- Lightening Tracking – ODF


- Medical Marijuana Program – OHA
- Online Boating Registration – OSMB
- Online Claim Filing – DOR
- Online DMV Services – ODOT
- Registration of Oregon Vital Events – OHA
- Residential Energy Tax Credits
- Seniors, Families and Children's Case Work – DHS
- Situational Awareness – DAS

- Teachers Licensing Certification
- TripCheck for Weather Conditions – ODOT
- Trucking online DMV Services – ODOT
- Unclaimed Property Processing
- Vendor Procurement – DAS
- Where's My Refund - Tax Mapping and Tax Status – DOR
- ePaystub – DAS
- eTime - DAS

- Agencies Financial Systems – ALL
- Applying for Oregon Health Plan Insurance – OHA
- Bill Information Tracking for Agencies – ALL
- Case Management for Children, Families and Seniors – DHS
- Corporate, Business, Property and Personal Income Tax Filing – DOR
- Corrections Inmate Tracking – DOC
- Energy/Weatherization Credits – DAS
- Financial Analysis and Reporting Data Warehouse – ALL
- Health Benefits for Oregon Educators and Public Employees – OPRS & PERS
- Housing Resources – OED
- Medicaid Billing for Payments to Senior Providers – DHS
- Online Recruitment System – ALL
- Revenue Collection – DOR
- State Hospital System – OHA
- State Income Tax Processing, Refunds, Auditing, Accounting – DOR
- Tracking Youth Offenders – DOC
- Unemployment Insurance Registration – OED
- Veterans Loans & Claims – ODVA

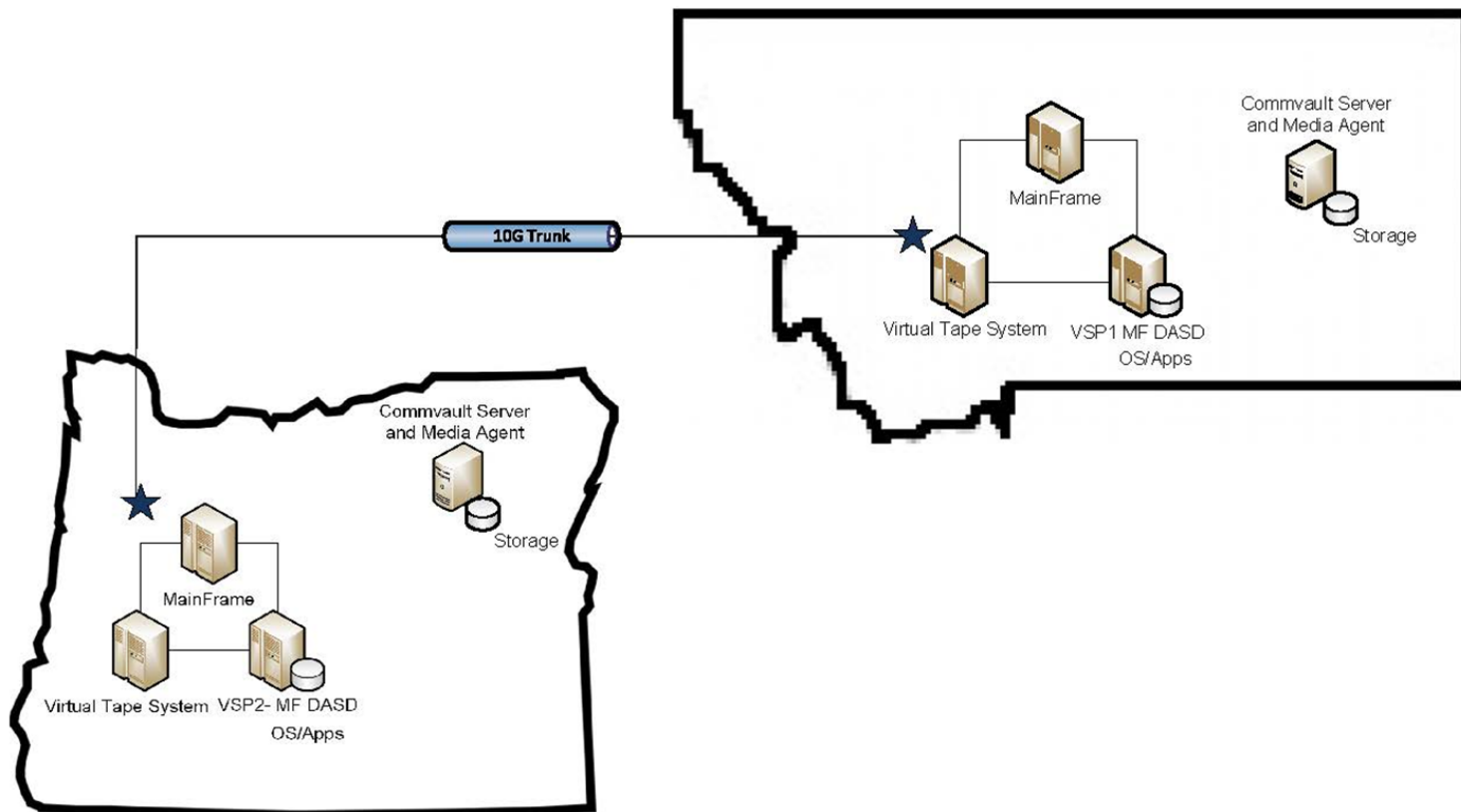


ETS Benefits to Customers

- Agency IT resources can focus on agency business applications rather than infrastructure
- Increased security 
- Behind the scenes 24 x 7 monitoring and 24 x 7 x 365 on-site staffing at the data center
- Disaster Recovery
- Online & Mobile payment processing



ETS Disaster Recovery

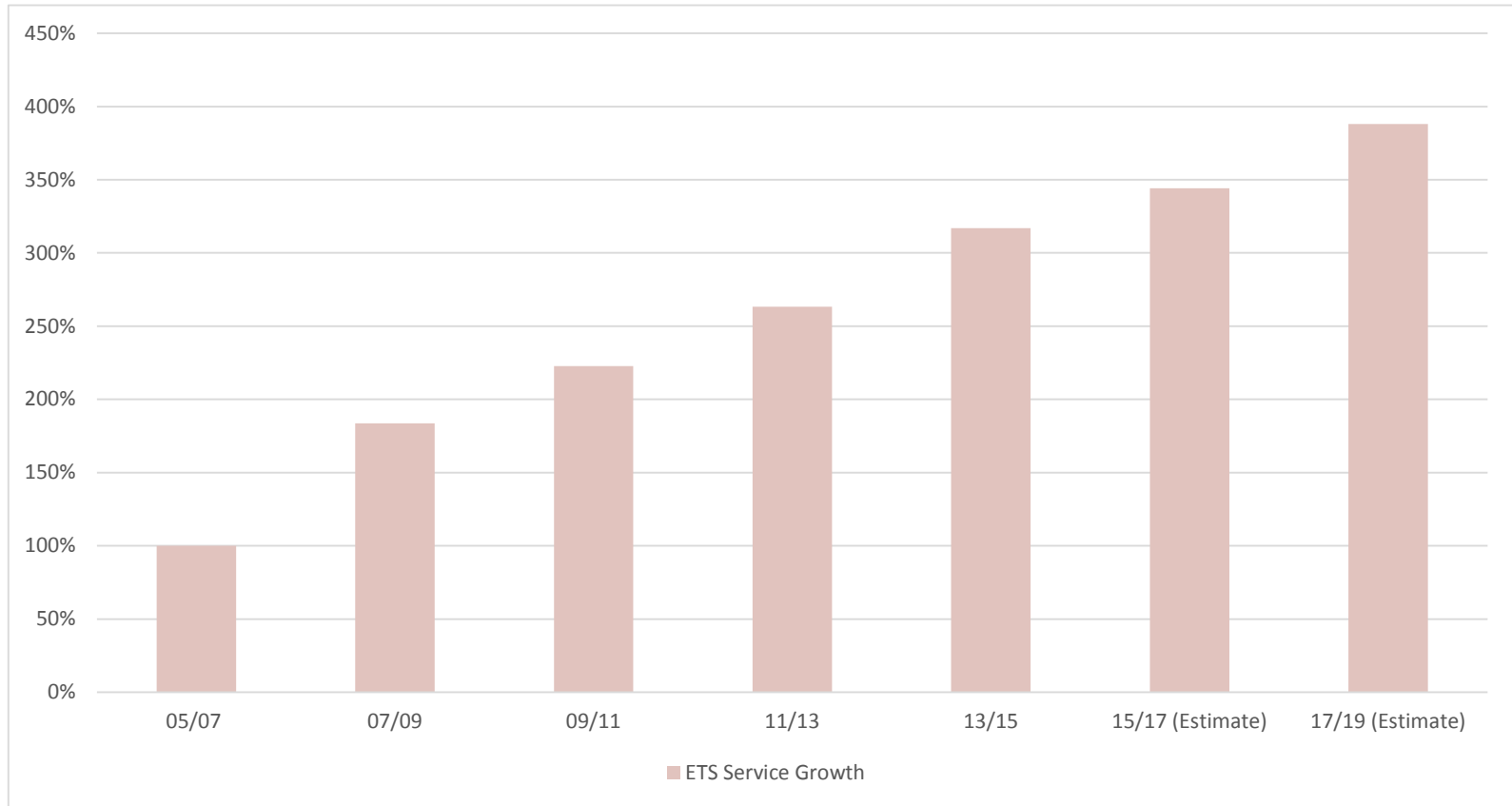


Online Citizen Services

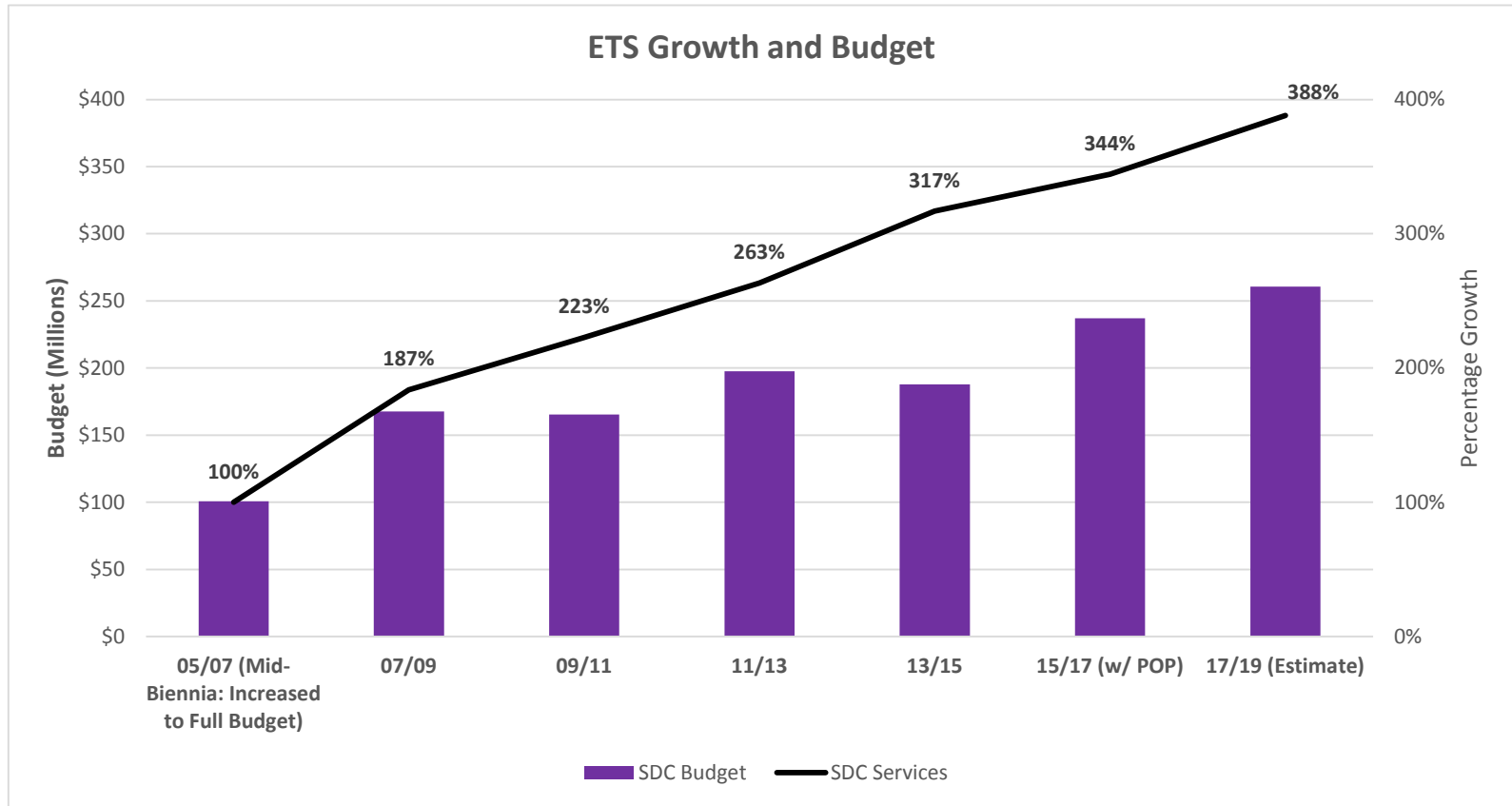


- E-Government Program enables public internet services
- Websites, E-Commerce, Licensing, Mobile, Open Data, Collaboration
- \$4.4 Billion revenue in online revenue collected last biennium
- 165 different websites, 52 online payment apps, 25 custom apps
- 16 are online licensing payments
- Provides agencies with low risk funding options
- Legislative oversight by Electronic Portal Advisory Board




ETS Service Growth



ETS Growth and Budget

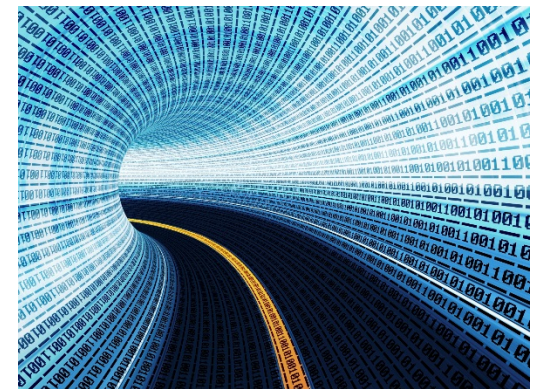


ETS Budget Drivers

-  Setting technology service rates based on what each service costs and customer utilization
-  Shared responsibility for state technology spend
-  Economizing to create shared services and negotiation of pricing based on economies of scale

ETS Environmental Factors

- Increasing demands on services require faster, more secure solutions and the expertise to support them
- Technology usage is driven by how much businesses and citizens use agency services
- Keeping pace with citizen expectations of state government's use of technology
- Increasing desire for the mobility of technology
- Fast pace of technology advancements
- Aging technology infrastructure required increased investment for replacement



Fast Pace of Technology Advancements: Data Center Evolution 2006 and Beyond

Multiple Vendor Servers



Hitachi Storage



Cisco Network



2006-2009 Data Center's Raised Floor (computer room)

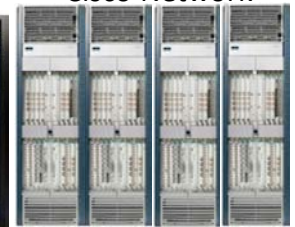
HP VM Servers



Hitachi Storage



Cisco Network



2009-2014 Data Center's Raised Floor (computer room)

Unified Computing Platform (UCP)



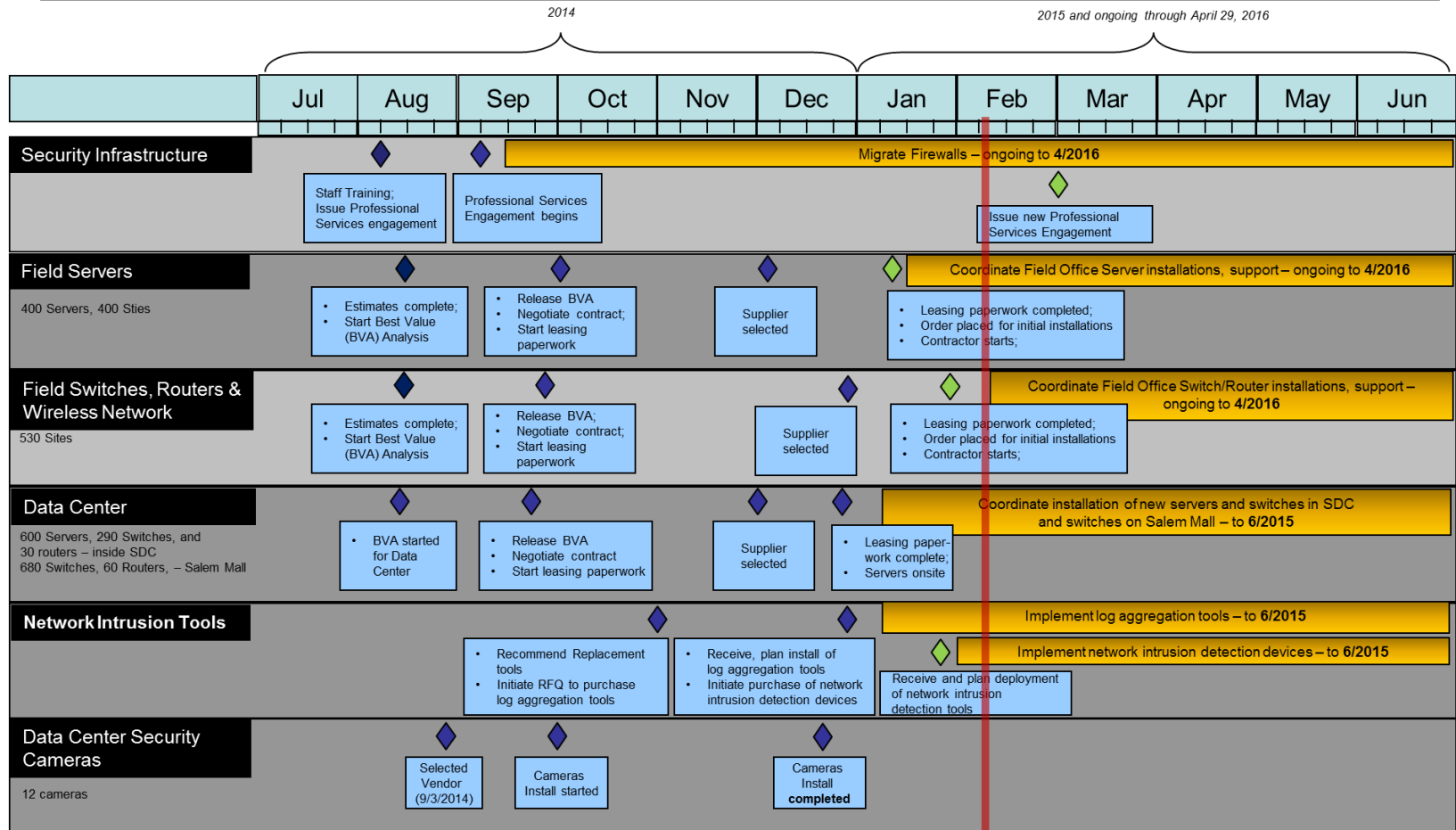
2015-2020 Data Center's Raised Floor (computer room)

ETS Lifecycle Replacement

- Approved to proceed in 2014 with an estimated five-year cost of \$47.6M
- Project initialization and procurement vehicles are finalized.

Biennium	Projected Costs
2013-2015	\$8.6M
2015-2017	\$18.7M
2017-2019	\$18.3M

ETS Lifecycle Target Dates



ETS Future Opportunities

- Re-evaluating utility services
- Outsourcing telephony to third-party vendor
- Improving IT security
 - Package 112 – Security and IT Operations and Audit Support
- Real-time budgeting of new agency demand
 - Package 113 – Support Growth in Customer Usage of IT
 - Package 114 – Support Usage Growth for DAS
- Packages that did not move forward
 - Package 115 – Support Agency Large IT Projects
 - Package 116 – Support Agency Direct IT Purchases

Topics for Tomorrow

Current and Future Initiatives

- Enterprise Asset Management
- Partnership with Cherriots
- Office of Administrative Hearings Move