ENERGY NORTHWEST

Information Technology (IT)
Project Review

Keith Cooke,
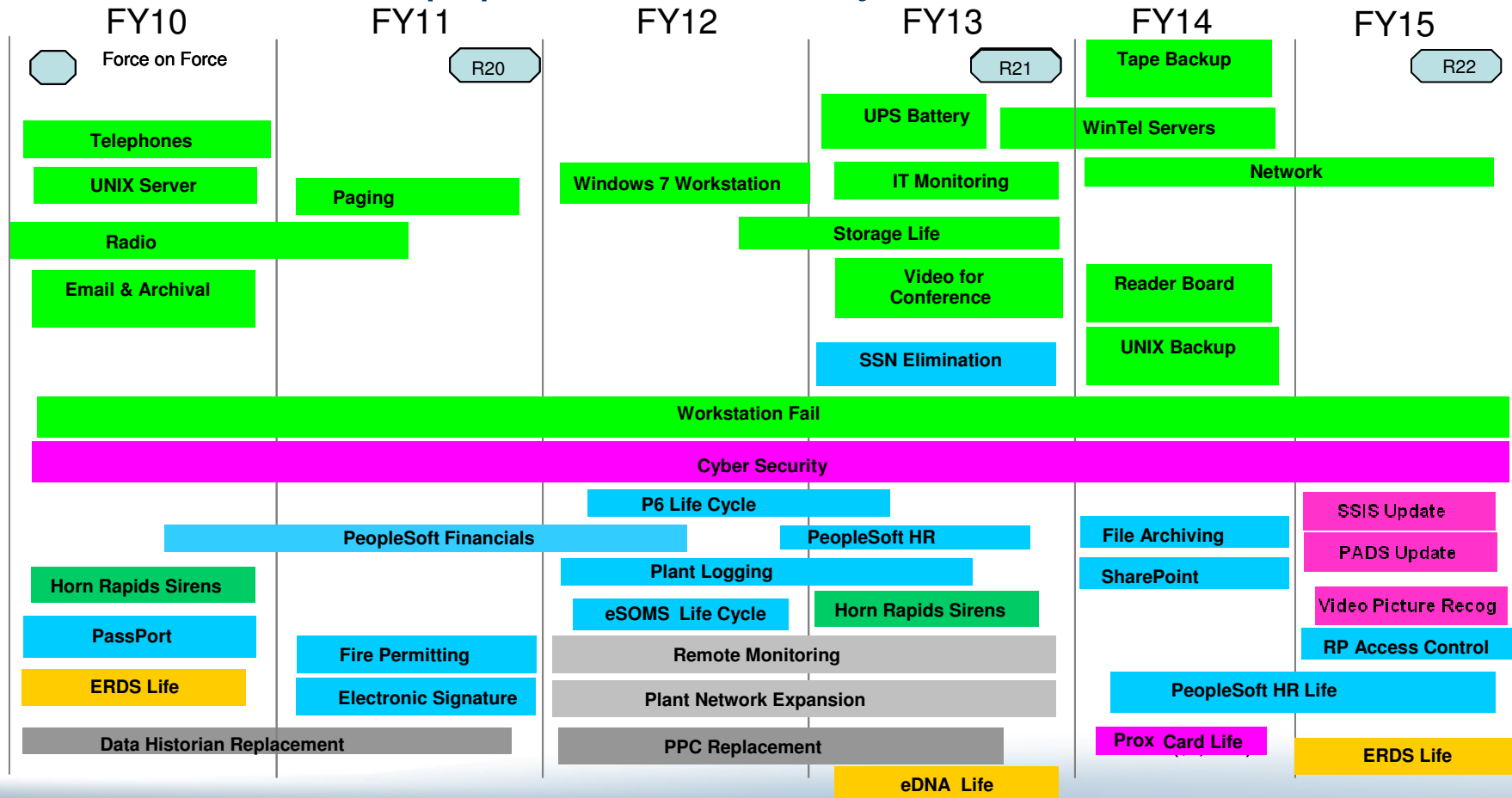## Manager IS/CIO
March 24, 2010

Agenda

- ✦ **Strategic Plan**
- ✦ **FY 2011 Project Budget (IT)**
  - ▫ **Application**
    - ▪ **PeopleSoft Finance**
    - ▪ **Fire Protection / PLS Replacement Project**
  - ▫ **Communication**
    - ▪ **Radio**
    - ▪ **Paging Obsolescence**
  - ▫ **Infrastructure**
    - ▪ **Workstation Life Cycle**
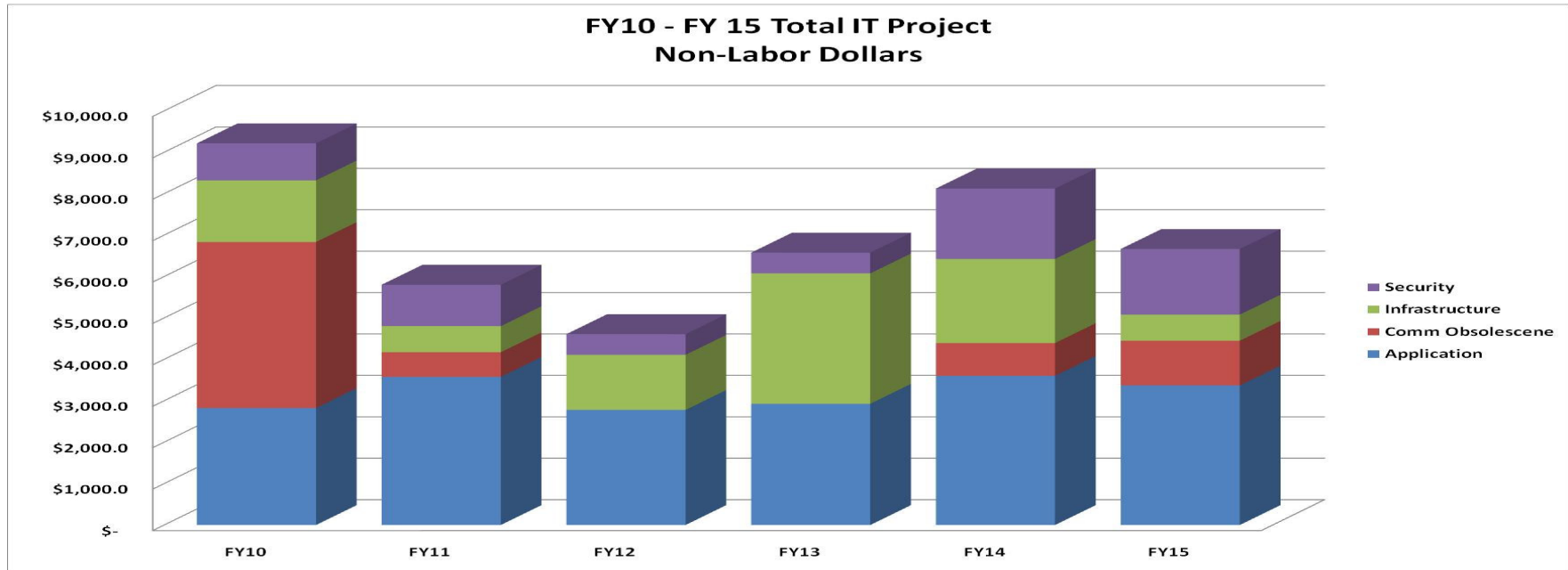 - ▫ **Security**
    - ▪ **Cyber Security**

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IT Project Review Committee Proposal Strategy

❖ Levelized Infrastructure & Major Software Initiatives

❖ Focus on Equipment Reliability

FY10	FY11	FY12	FY13	FY14	FY15

Force on Force

R20

R21

Tape Backup

R22

UPS Battery

WinTel Servers

Telephones

UNIX Server

Paging

Windows 7 Workstation

IT Monitoring

Network

Radio

Storage Life

Email & Archival

Video for Conference

Reader Board

UNIX Backup

SSN Elimination

Workstation Fail

Cyber Security

P6 Life Cycle

PeopleSoft Financials

PeopleSoft HR

File Archiving

SSIS Update

PADS Update

Plant Logging

SharePoint

Horn Rapids Sirens

eSOMS Life Cycle

Horn Rapids Sirens

Video Picture Recog

PassPort

Fire Permitting

Remote Monitoring

RP Access Control

ERDS Life

Electronic Signature

Plant Network Expansion

PeopleSoft HR Life

Data Historian Replacement

PPC Replacement

Prox Card Life

ERDS Life

eDNA Life

Plant System	Infrastructure
PHC Projects	Security
	Application

3

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IT Fiscal Year 2010- 2015 Forecast

FY10 - FY 15 Total IT Project
Non-Labor Dollars

	FY10	FY11	FY12	FY13	FY14	FY15
Application	$ 2,826.0	$ 3,576.9	$ 2,779.2	$ 2,928.1	$ 3,602.0	$ 3,370.3
Comm Obsolescene	$ 4,008.6	$ 594.9	$ -	$ -	$ 792.0	$ 1,080.0
Infrastructure	$ 1,487.4	$ 630.0	$ 1,330.0	$ 3,148.0	$ 2,030.0	$ 630.0
Security	$ 894.1	$ 1,000.0	$ 500.0	$ 500.0	$ 1,700.0	$ 1,584.0
Total	$ 9,216.0	$ 5,801.8	$ 4,609.2	$ 6,576.1	$ 8,124.0	$ 6,664.3

IT - PHC project budgets are not included in this forecast and are a part of the CGS Projects Budget

4

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IT Fiscal Year 2011 Project Budget

	FY10			FY11		
	Non Labor	EN Labor	Total Project	Non Labor	EN Labor	Total Project
CGS Total	$6,071.7	$1,272.0	$7,343.7	$2,663.1	$320.6	$2,983.6
Non-CGS Total	$3,144.3	$400.1	$3,544.4	$3,138.8	$487.3	$3,626.1
Grand Total	$9,216.0	$1,672.1	$10,888.1	$5,801.8	$807.9	$6,609.7

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IT Applications

| 3.03.08	FY10			FY11		
Title	Non Labor	EN Labor	Total Project	Non Labor	EN Labor	Total Project
CGS						
Enterprise Project Management Upgrade	$68.0		**$68.0**			
Fire Protection/PLS Replacement Project				$344.2	$24.8	**$368.9**
CGS Risk Reserve	$20.0	$50.0	**$70.0**	$674.0		$674.0
Paragon (ORAM Sentinel Replacement)	$108.2	$25.6	**$133.8**			
PassPort Upgrade	$2,569.8	$502.4	**$3,072.2**			
Performance Indicators Rewrite				$50.0	$28.8	**$78.8**
Replace ERDS	$60.0	$15.2	**$75.2**			
Non-CGS						
Corporate Risk Reserve				$506.6		$506.6
Electronic Signatures				$111.2	$53.6	**$164.8**
Enterprise Financials Suite		$41.3	**$41.3**	$1,891.0	$350.0	**$2,241.0**
Application	**$2,826.0**	**$634.5**	**$3,460.5**	**$3,576.9**	**$457.1**	**$4,034.1**

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PeopleSoft Finance

ORACLE'

- Oracle software utilized by about 50% of utilities in US
- Current version upgraded in 1999
- Product support end-of-life in early 2007
- Upgrade Finance 9.x
  - Integration with HR
    - **Upgrade completed in FY08**
  - Remove high level of customization
  - Integration with PassPort & P6 Project Management

- Scope
  - General Ledger
  - Asset Management
  - Project Costing/Budgets
  - Accounts Payable (partial)
  - Cash Management/Treasury
  - Accounts Receivable/Billing

- Deliverables:
  - Increased reliability of system
  - Elimination of obsolescence concern
  - Increased efficiency of both the Peoplesoft and Passport systems
  - Improved system controls for SOX compliance and risk mitigation
 - Simplified vendor support and upgrade paths

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CGS Management Reserve- Radio

✦ Radio project discovered post fire safe shutdown issues with the design dating back to 1982

✦ Project is delayed till issues resolved

✦ Management Reserve is for FY 2011 scope of installation

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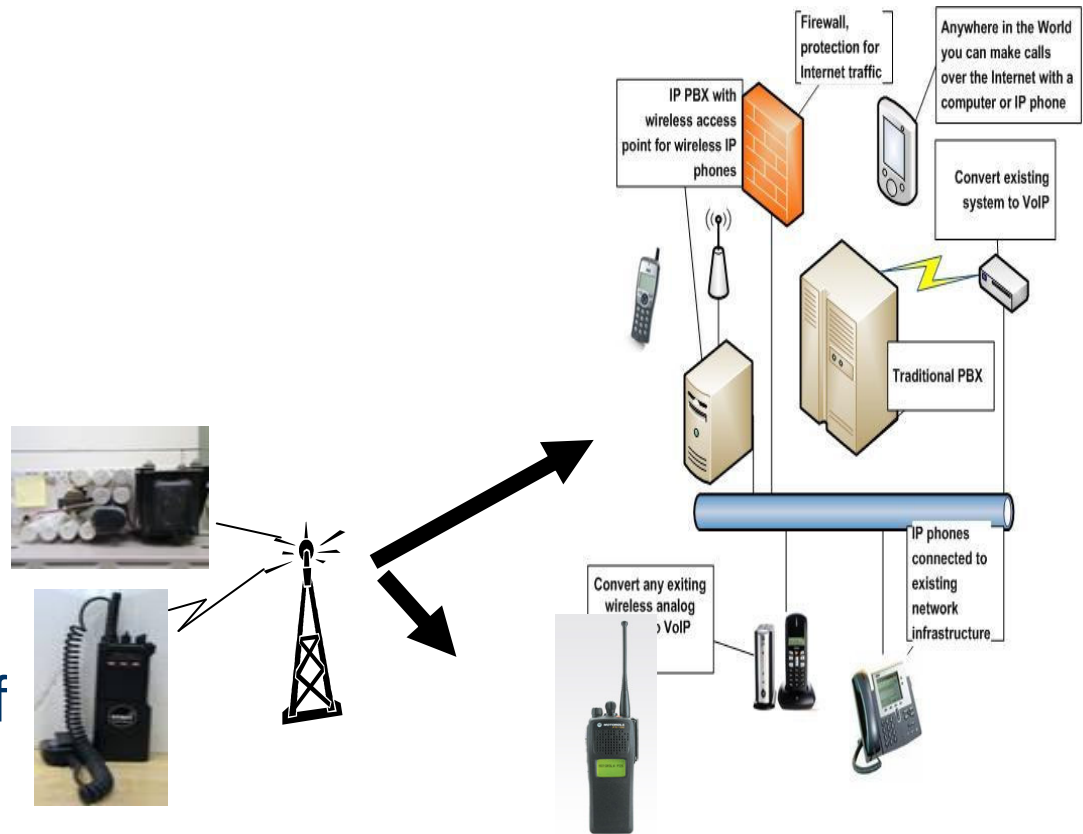
Corporate Management Reserve - Archival

* New WAC requirements went into effect in January, 2010

* Specifics regarding technology requirements still are being developed by State Archivist

* Anticipate addition technology needs to bring EN into full compliance later this calendar year
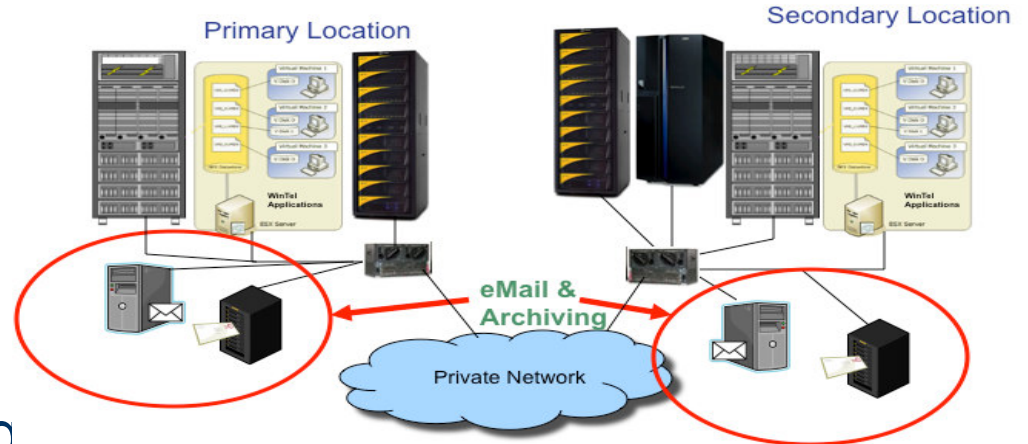
Communication Obsolescence

3.03.08		FY10			FY11		
Title		Non Labor	EN Labor	Total Project	Non Labor	EN Labor	Total Project
CGS							
Radio Obsolescence		$2,181.1	$240.0	**$2,421.1**			
Radio Paging Obsolescence					$594.9	$75.0	**$669.9**
Non-CGS							
Telephone Obsolescence		$1,827.5	$229.2	**$2,056.7**			
Comm Obsolescene		**$4,008.6**	**$469.2**	**$4,477.8**	**$594.9**	**$75.0**	**$669.9**

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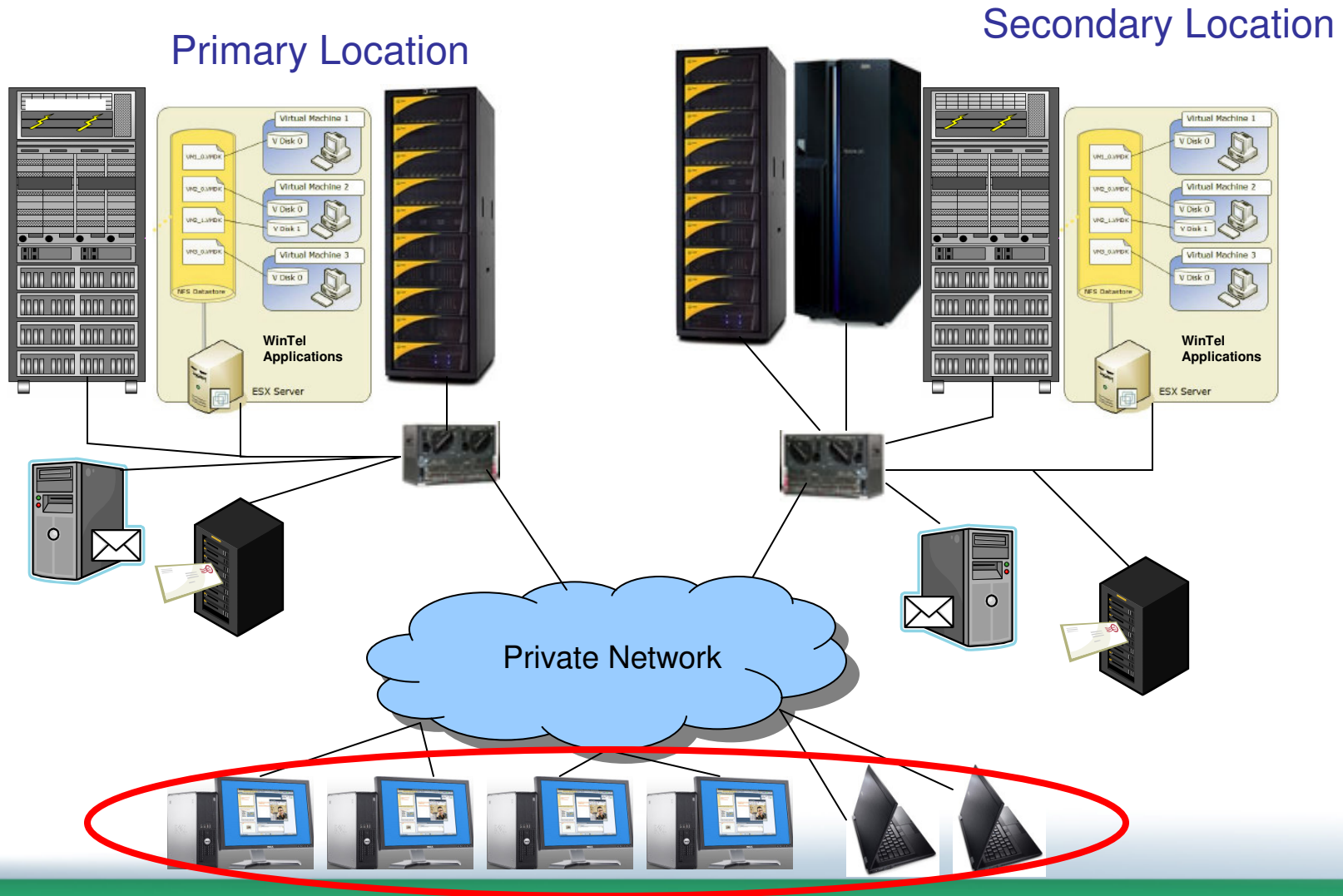
Radio Pager Replacement

Obsolete Paging System

✖ FCC requires licensees to convert to narrowband by December 31, 2012

- ◘ Radio replacement underway

✖ Recommendation abandon pagers and move to cell phones

- ◘ Commercial carriers for offsite
- ◘ Build CGS on-site mini-cell using VoIP CISCO infrastructure

✖ Project cost for expansion of CGS wireless infrastructure

Dialogic

CGS Wireless Phones

Employee Owned Cell Phones

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IT Infrastructure

3.03.08

Title	FY10			FY11		
	Non Labor	EN Labor	Total Project	Non Labor	EN Labor	Total Project
CGS						
Horn Rapids Sirens	$170.6	$12.8	**$183.4**			
Non-CGS						
Electronic Mail Life Cycle	$359.8	$20.0	**$379.8**			
Misc. PC Replacement Equip				$50.0	$9.0	**$59.0**
UNIX Server Life Cycle	$657.0	$74.7	**$731.7**			
Workstation Life Cycle	$300.0	$34.9	**$334.9**	$580.0	$74.7	**$654.7**
Infrastructure	**$1,487.4**	**$142.4**	**$1,629.8**	**$630.0**	**$83.7**	**$713.7**

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Equipment Reliability

Primary Location

Secondary Location

Private Network

Security

3.03.08

Title	FY10			FY11		
	Non Labor	EN Labor	Total Project	Non Labor	EN Labor	Total Project
CGS						
Cyber Security Programmatic/Infrastructure support, updates and upgrades	$696.0	$306.0	**$1,002.0**	$1,000.0	$192.0	**$1,192.0**
Fatigue Tracking Software	$198.1	$120.0	**$318.1**			
Security	**$894.1**	**$426.0**	**$1,320.1**	**$1,000.0**	**$192.0**	**$1,192.0**

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10 CFR 73.54 Status

✦ Filed Cyber Security Plan on 11/16/2009 with NRC

◘ Licensing document / required by regulations

- **Will be incorporated into plant operating license**

◘ Described how cyber security program is established and maintained

◘ Essential elements:

- **Described the process for identifying Critical Digital Assets**
- **Described the defensive model (protective strategy)**
- **Referenced a comprehensive set of security controls**
- **Described the process for addressing each control**
- **Committed to maintaining adequate documentation**

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10 CFR 73.54 Status (continued)

- ✦ NRC Published Guidance Document after Plan Filed
  - ◘ RG 5-71 published January 7, 2010
  - ◘ It lays out a more comprehensive set of controls
- ✦ RAI Development Underway
- ✦ Assessment of Gaps Scheduled for Start on April 5, 2010
- ✦ Additional NRC & NEI Guidance Scheduled for April 19 2010

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