



Public Meeting with NRC Region III

May 18, 2010

NextEra Energy Point Beach Meeting with NRC Region III

Agenda

Introduction/ General Comments

Larry Meyer

Operational Excellence

Update

Boyd Beltz

Generation Reliability

Update

Charlie Trezise

Organizational Effectiveness

Update

Larry Meyer
Brad Castiglia

Closing Remarks

Larry Meyer

Questions/Discussion

Introduction and General Comments

Larry Meyer
Site Vice President

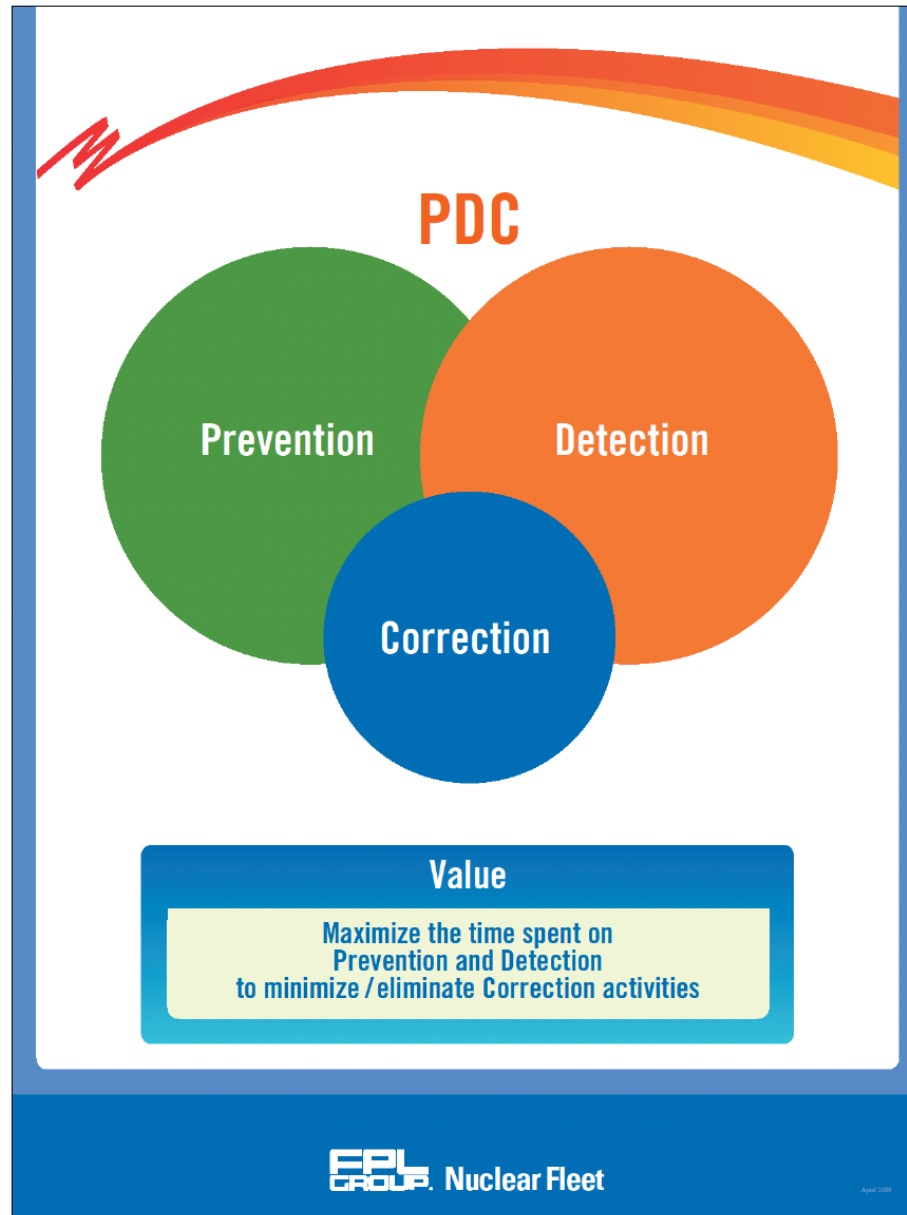


Nuclear Excellence Model



FPL GROUP. Nuclear Fleet

April 2010







Building A Strong Foundation

FPL Nuclear Excellence Plan

Point Beach Excellence



Operational Excellence



OPS Functional Area Improvements

Operational Focus

Work Management

Maintenance Functional Area Improvements

Chemistry Functional Area Improvements

Rad Protection Functional Area Improvements

Organizational Effectiveness



Emergency Preparedness

Safety

Human Performance

Training for Performance Improvement

Lateral Integration

Supv Effectiveness

Work Force Involvement

Performance Improvement

Succession Planning and Development

Work Life Balance

Generation Reliability



Equipment Reliability

EPU

Engineering Functional Area Improvements

Outage Planning and Execution

Configuration Management

License Renewal Implementation

Effective Business & Financial Performance



Project Management and Planning

Mgr. Budget Accountability

Introduction and General Comments

*Breaking Through in 2010 with Employee Involvement,
Teamwork, Accountability, and a Passion for Excellence.*

Path forward on our journey to excellence:

- Work Management / Lateral Integration
- Outage Preparations / EPU Integration
- Use of Training to Improve Performance
- Organizational Effectiveness
- Equipment Reliability
- License Renewal Commitments

We will never be satisfied!

2010StationPriorities



Point Beach Nuclear Plant

Safety—It's Fundamental in Our Work

Industrial—Radiological—Nuclear

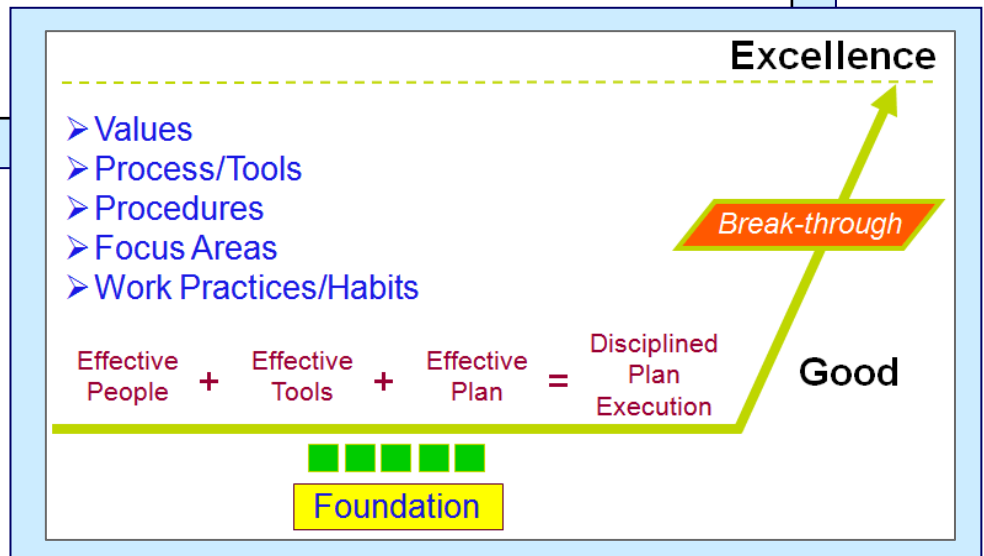
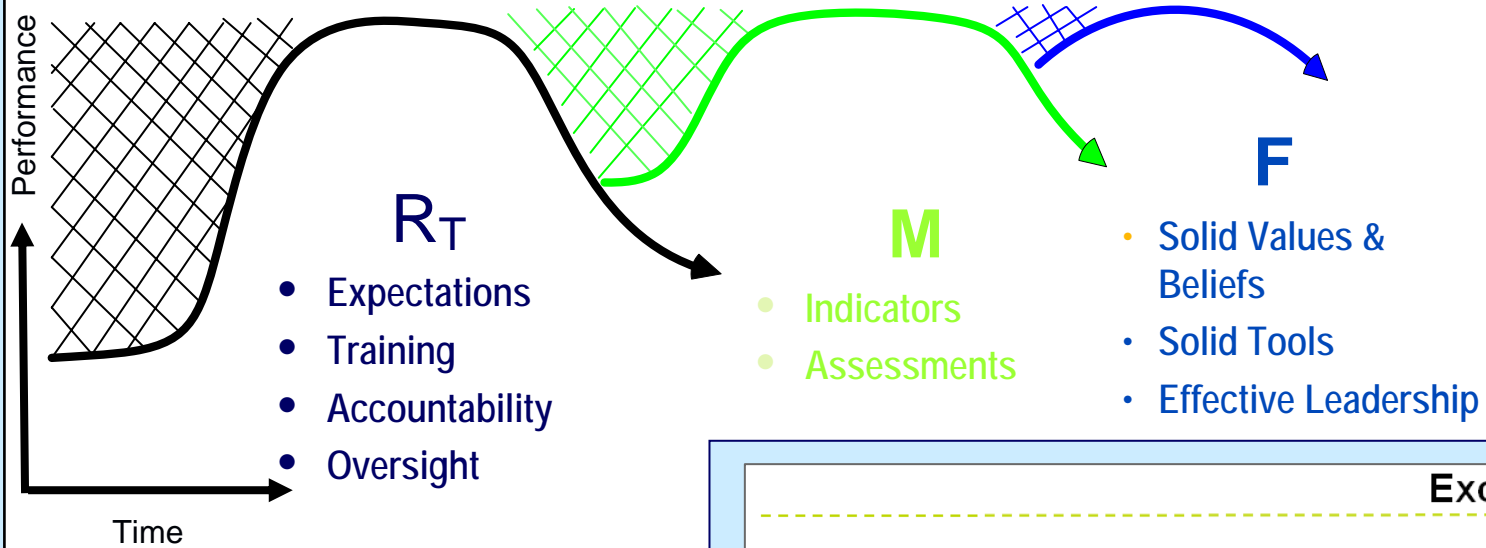
Every member of the Point Beach team is responsible to prevent accidents, look out for each other and correct unsafe behaviors.

- **Dramatically Improve Work Management through Lateral Integration***
(Workforce Productivity, Schedule Adherence, Schedule Stability, Backlogs, FIN Team)
- **Implement Safe, Event Free Unit 1 Outage & Strengthen Focus on EPU**
(Unit 2 Lessons Learned, Executive Critique Top 10 Items, Effective Management of Uprate Modifications)
- **Keep Training Programs at the Forefront**
(Operations Accreditation Renewal, Training Committees, Line Ownership of Training, Training Ownership of Plant Performance, Conduct of Training, Continuous Improvement)
- **Continue to Strengthen Organizational Effectiveness & Fundamentals**
(Employee Involvement, Lateral Integration, Accountability, Ownership, Industry Involvement*, LVWR*, Passion for Excellence)
- **Address Status Control & Clearance Order Shortcomings**
(Station Standards and Behaviors, Reinforcement by Operations)
- **Relentlessly Focus on Material Condition & Equipment Reliability**
(Operations-led, Top 10 Equipment List, Plant Health Committee, System Health, Projects Performance, Long-Range Plan)
- **Execute License Renewal Commitments**
(Project Management, Predictability, Meeting Commitments)

*Breakthrough element



Sustainability



Breaking Through to Excellence

Measure of Success	THEN (2008)	NOW
Organizational Effectiveness		
Corrective Action Program	Causal quality - 74	92
	Overdue - 46	0
	Health Index - 52	78 <i>(more challenging criteria)</i>
Documented Job Observations <i>(per month)</i>	140	6000 outage 800 non-outage
Industry Index	89	97
Leadership Vacancies	15	0
Site HU Event Rate	0.036	0.007
Operational Focus		
Operator Aggregate Distractions	240	57
Open Operability Issues <i>(both Units)</i>	90	29
Work Management (%)	Scope Stability - 69	94
	Schedule Adherence - 65	95
Non-outage Elective Maintenance <i>(Station)</i>	881	383
Generation Reliability		
Forced Outage Rate <i>(Station)</i>	22.8	0
Equipment Reliability Index	Unit 1 - 57	Unit 1 - 85
	Unit 2 - 68	Unit 2 - 94
Corrective Maintenance <i>(Station)</i>	36	0

Operational Excellence

Update

Boyd Beltz

Assistant Operations Manager

Operational Excellence - Accomplishments

- **Conservative Decision Making**

- Continued consistent conservative decision making
- Implemented additional controls on protected equipment
- Invested additional time in spring outage shutdown and startup to reduce dose and improve chemistry
 - Dose improvements for GS-191
 - No chemistry holds or CEI point reduction

- **Solid Operational Performance**

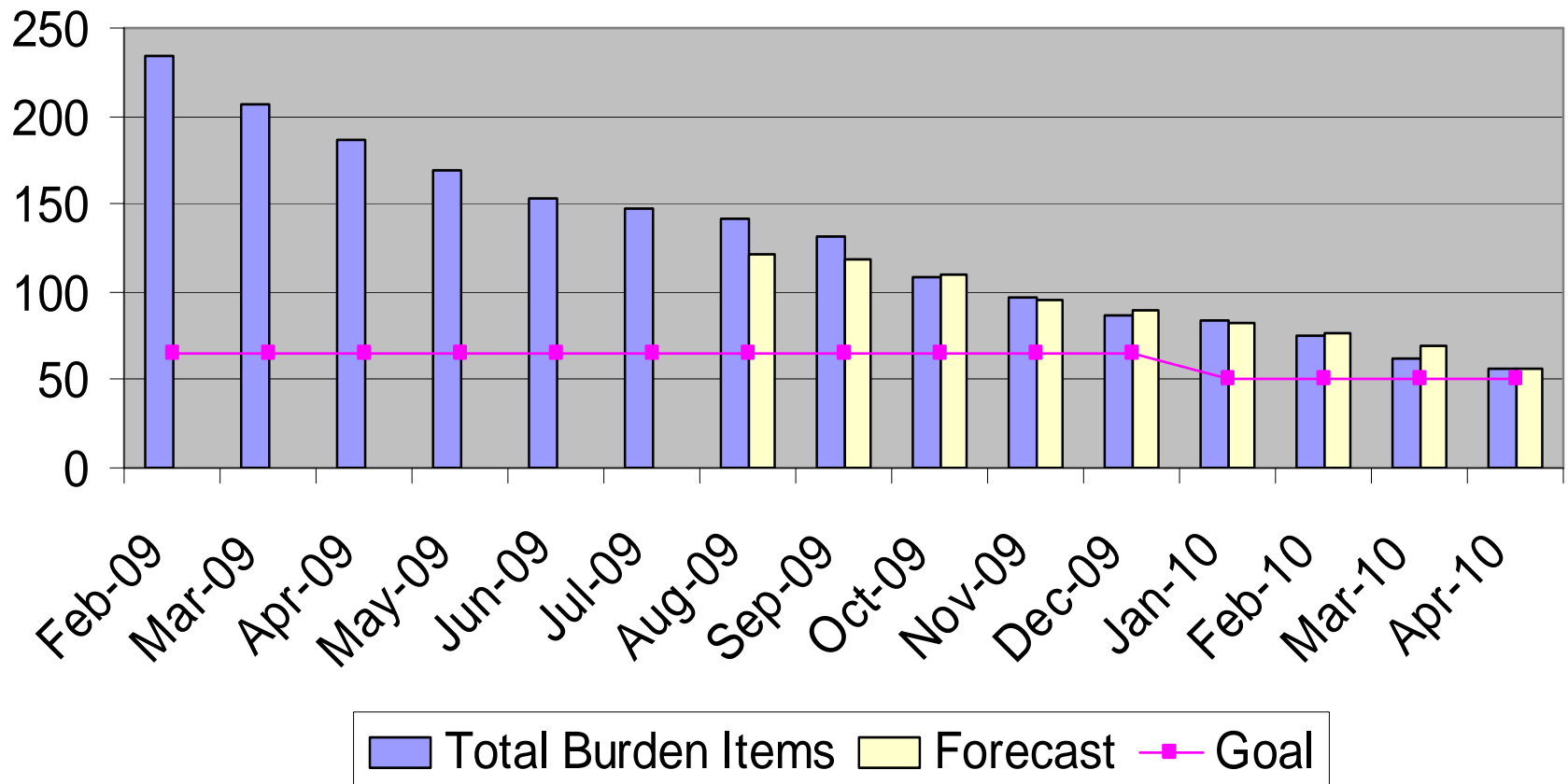
- Completed two refuel outages with solid Operations performance in maneuvering the plant

- **Work Management and Operational Focus**

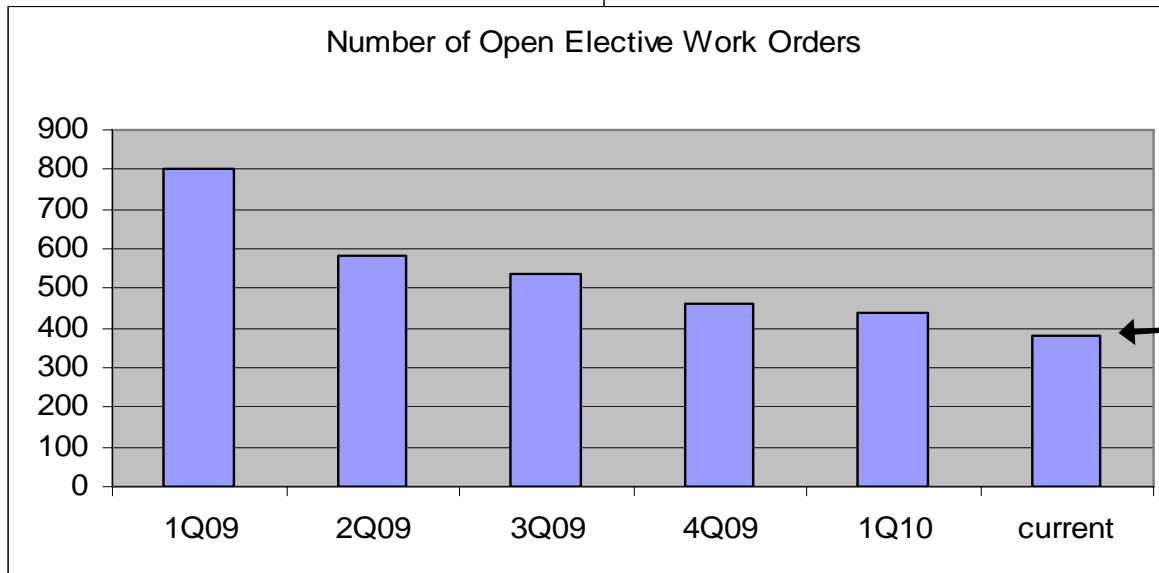
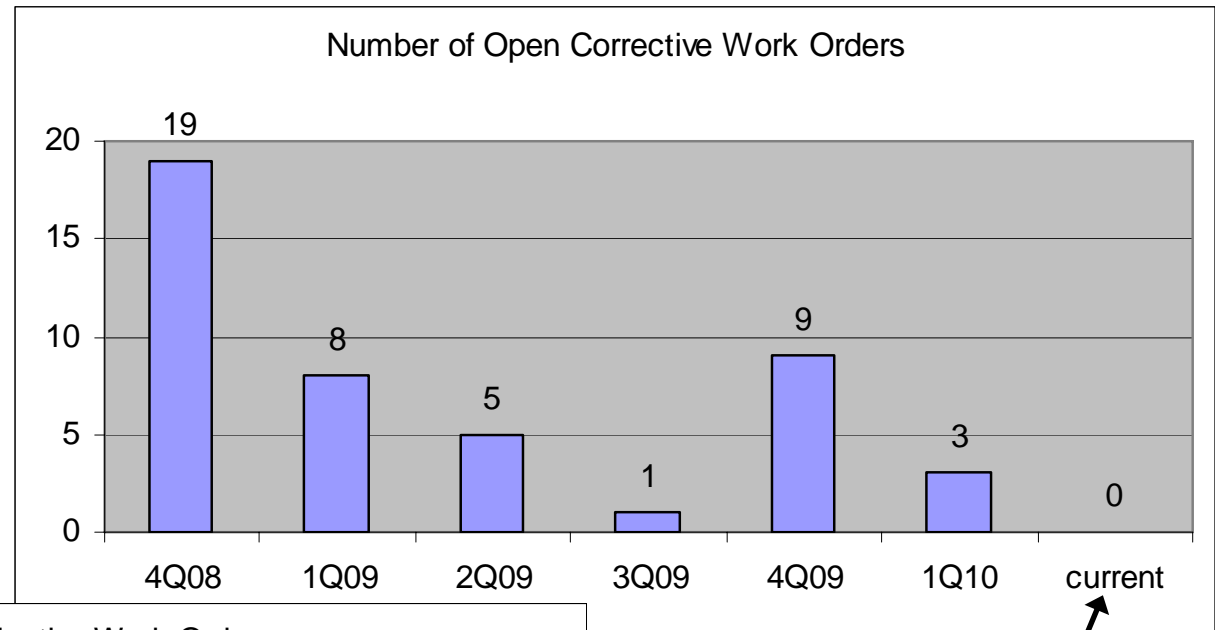
- Improved Work Management schedule adherence with a focus on completing priority work
 - Corrective Maintenance backlog reduced from 30 to 0
 - Elective Maintenance backlog reduced from 800 to 383
 - Operator distractions reduced from 234 to 57

Operational Excellence – Sound Operating Fundamentals With a Focus on Reactor Safety.

Operations Focus Indicator

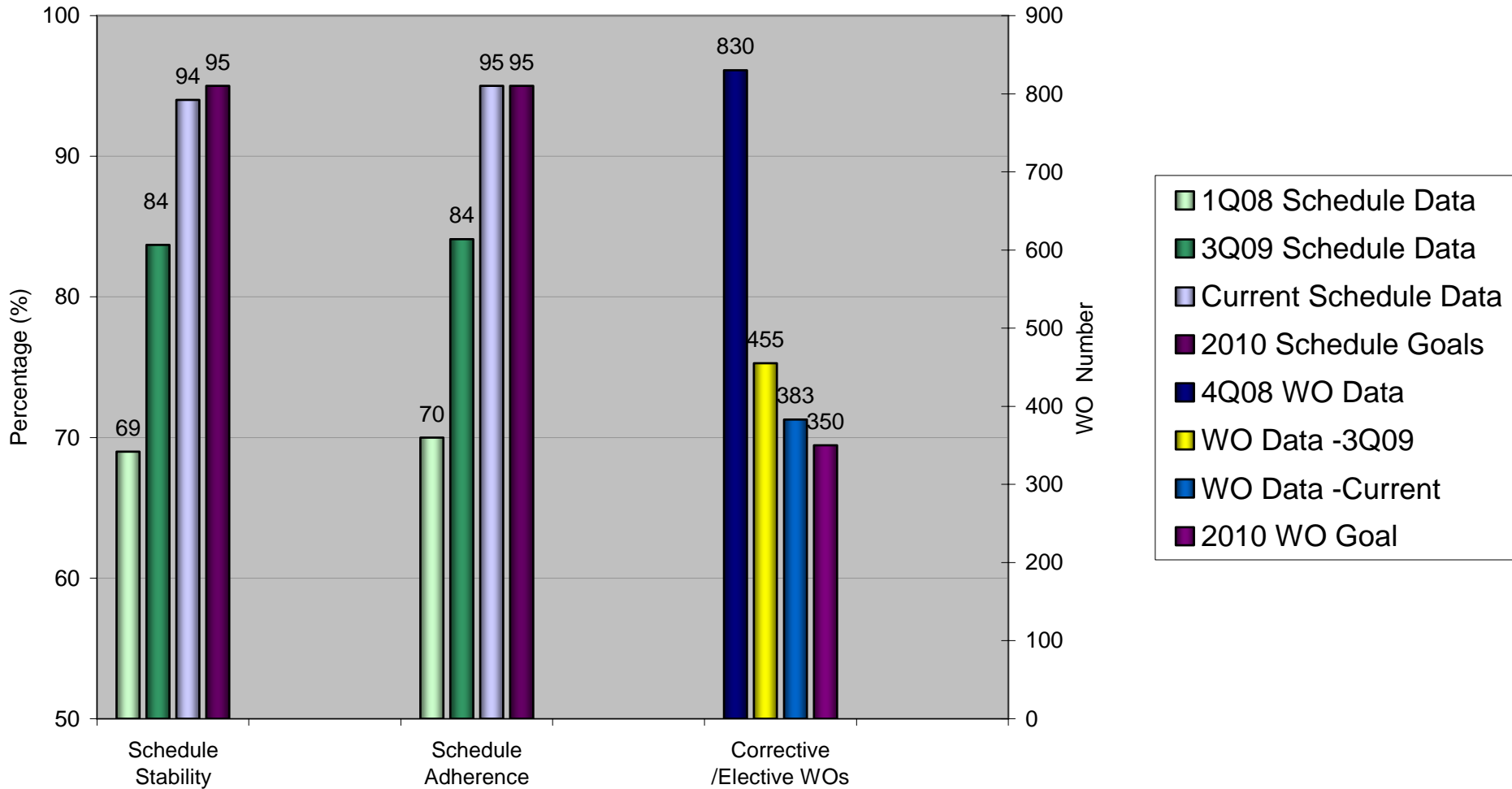


Corrective and Elective Work Order Reduction



**Industry
Top
Decile**

2009/10 Online Work Management Improvements



Operational Excellence – Gaps to Excellence

- Ops Field Performance
 - Field Operator formality
 - Equipment clearances and plant status control
 - Plant Component Labeling
- Operations-Led Station
 - Insistence on higher standards
 - Demand for improved T-12 to T-0 scope stability
 - Intolerance of equipment issues



Generation Reliability

Update

Charlie Trezise

Site Engineering Director

Generation Reliability – Making Sure our Plants Are in Top Working Order and Refueling Outages Are Well Executed.

Generation Reliability - Accomplishments

Equipment Improvements

U2 Feedwater Heaters	Façade Freeze
U2 Gen Output Breaker	Turbine Hall Sump Alarms
Service Water Pumps	Component Cooling Water Pumps
D-305 Battery Replacement	PPCS Monitors
Condenser Air Removal Loop Seal	Battery Room Ventilation
U2 Main Transformer	Main Steam Reheater Control Valve
Water Treatment Microfiltration	

Performance Results

- Red/yellow systems reduced from 36 to 16
- Forced outage rate = 0% for both units
- Equipment Reliability Index improved from 74 to 89%

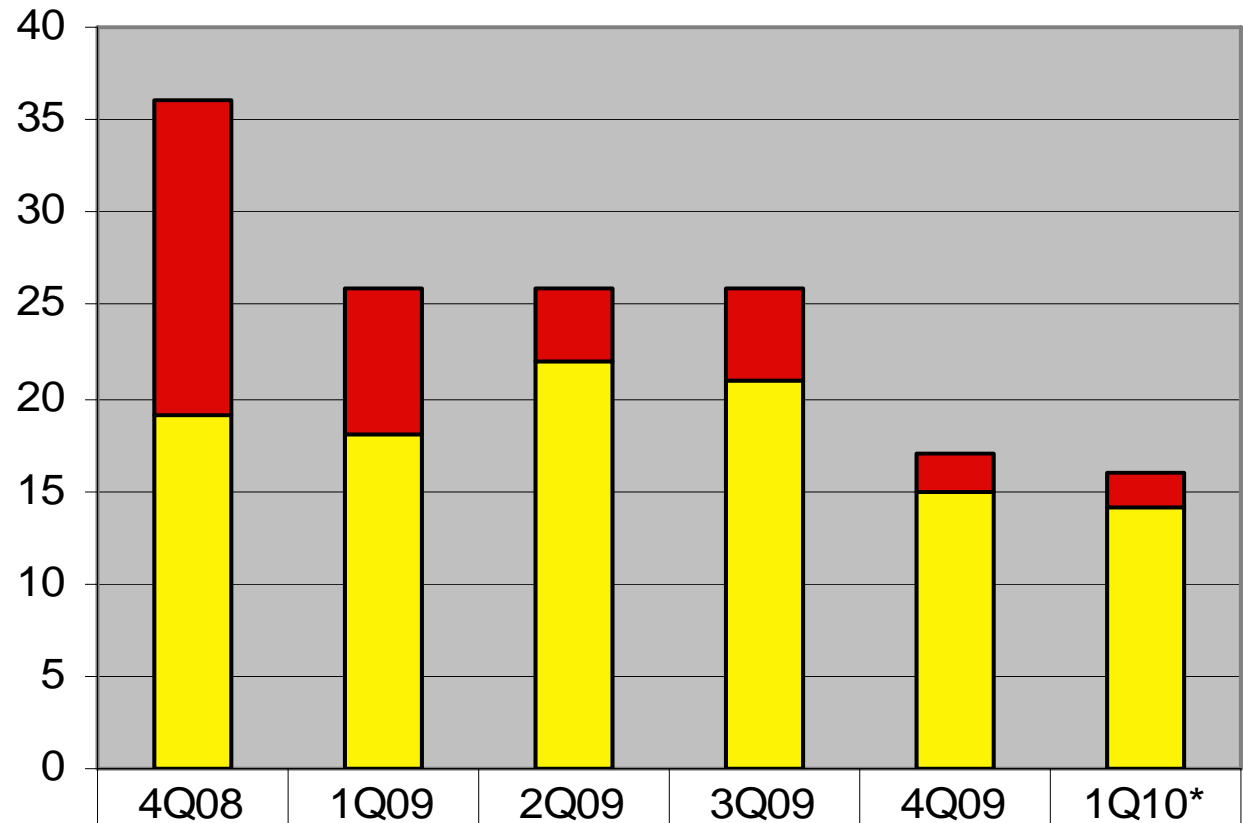
**Successive breaker-to-breaker runs for both units.
Unit 1 run of 472 days; Unit 2 run of 521 days
Unit 2 run is a new station record.**

Generation Reliability – Making Sure our Plants Are in Top Working Order and Refueling Outages Are Well Executed.

Materiel Condition/Equipment Vulnerabilities

	Jan 2009 Actual	End of 2009 Actual	Current	End of 2010 Goal
Operator Distractions	234	86	57	50
Red /Yellow Systems	36	17	16	13
WO Backlog (EM)	811	444	383	350
ERI – Station	74.5	86	89	89

Number of Red and Yellow Systems

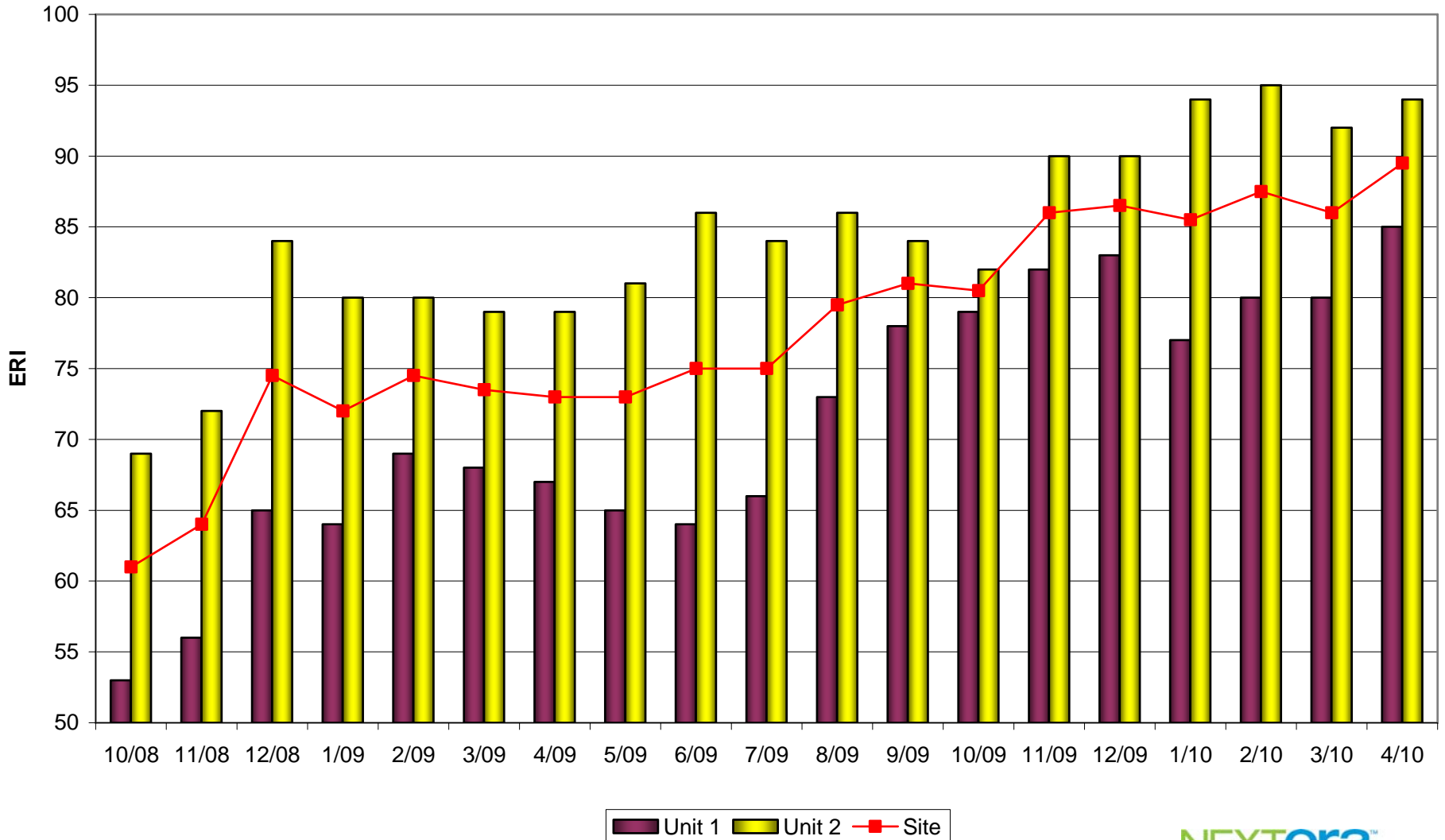


■ Number of Red Systems

■ Number of Yellow Systems

PBNP Equipment Reliability Index

(an industry standard indicator)



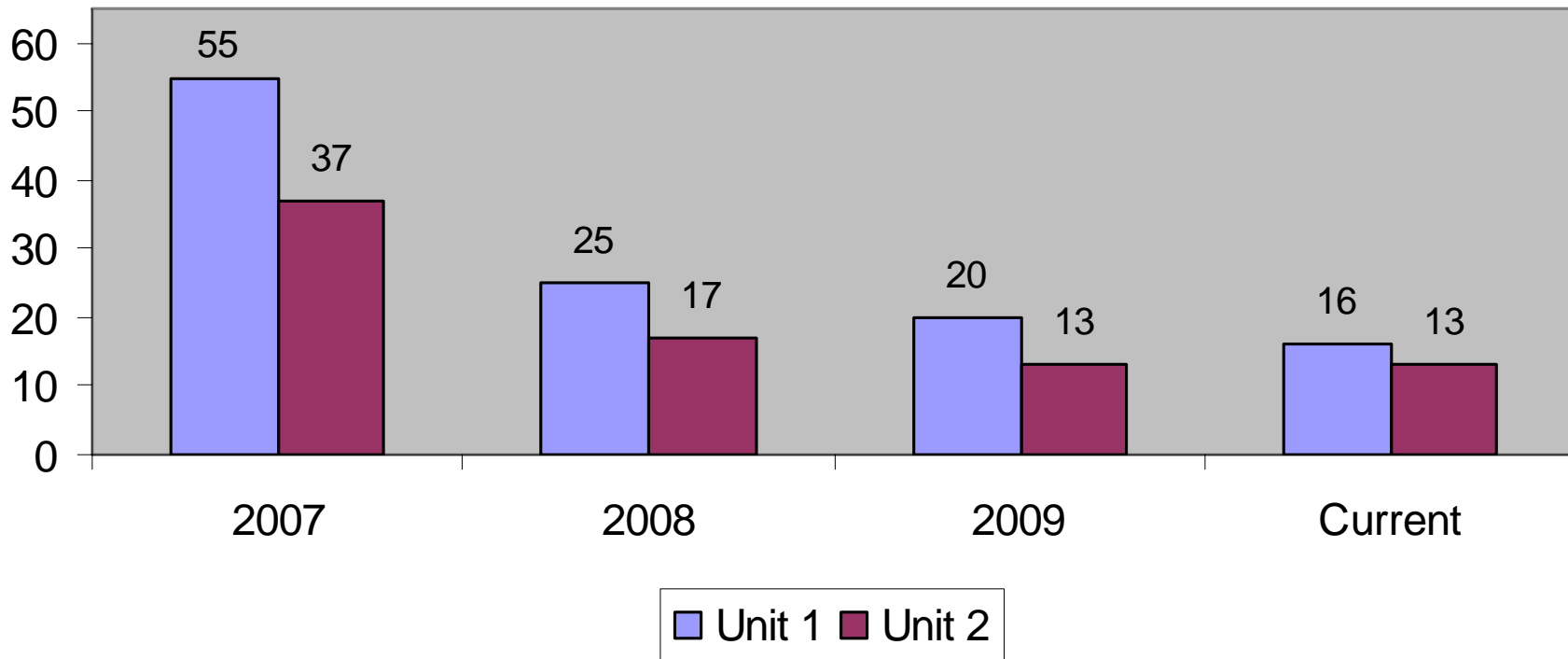
Generation Reliability – Gaps to Excellence

Continued focus on equipment improvements:

- Auxiliary Feedwater and Alternate Source Term upgrades
- Electrical System health
- Underground cables
- Operable but non-conforming or degraded components

We will never be satisfied!
An excellent station requires excellent materiel condition.

Open Operable But Degraded or Non-Conforming Conditions



Point Beach

TOP EQUIPMENT LIST

	Issue	Owner	Completion Date
1	Chlorination System Upgrades	Jamie Pierce	September 2010
2	Resolve P-116 Boric Acid Leaks	Boyd Beltz	June 2010
3	Battery Room Ventilation	Clay Hill	May 2010
4	Service Water Pump Reliability	Tom Vehec	June 2010
5	Charging Pump Reliability	Jerry Scheinoha	June 2010
6	Improve SW Flow Measurement	Dan Weber	July 2010
7	Water Treatment Upgrade	Jamie Pierce	July 2010
8	Recorder Upgrades	John Schmoldt	September 2010
9	Resolve Capacitor Bank	Barry Gustafson	December 2010
10	Underground Cables	Aaric Mitchell	December 2010

Organizational Effectiveness

Update

Larry Meyer

Site Vice President

Brad Castiglia

Performance Improvement Manager

Organizational Effectiveness – Engaged Leaders and Supervisors, Engaged Employees and Strong Teamwork.

Organizational Effectiveness - Accomplishments

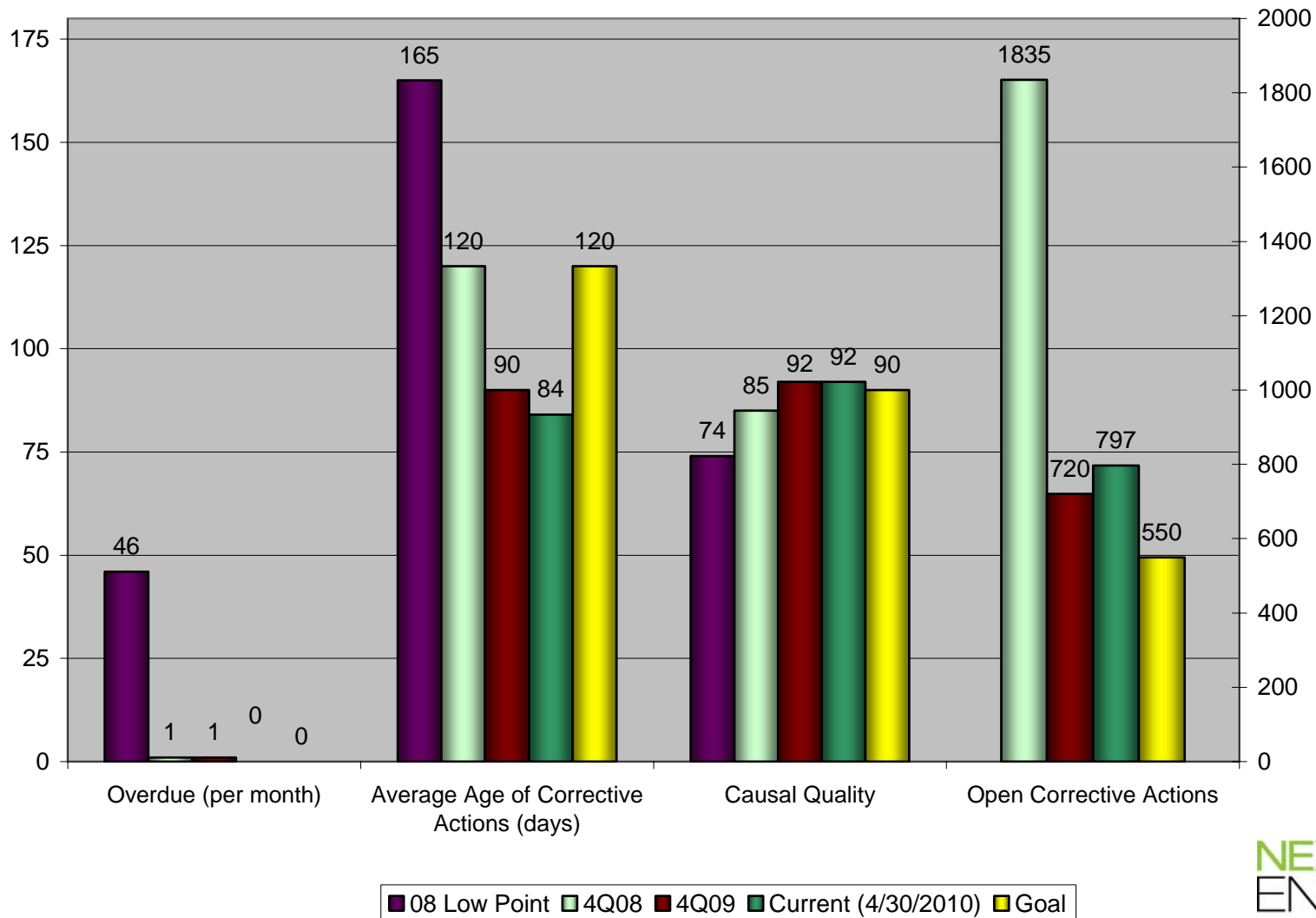
- Stable engaged leadership team; vacancies filled by succession plan candidates
 - Strong field and training presence
 - HU error rates cut in half; site clock resets discretionary to avoid complacency
- Revitalized Safety Culture team; strong detection systems expanded beyond priority departments
- Work Life Balance initiatives; implemented Plant Day Off
- Sustaining Improvement in CAP

Sustaining Improvement in CAP

- Continuing focus on causal analysis and action closure quality
- Continuing CAP inventory reduction
- Continuing to strengthen feedback to initiators
- Benchmarking industry excellence
- Developing cause evaluation requalification training
- Improving trending capabilities

Organizational Excellence

CAP Improvements



Bachelor Performance as defined in specific DS					
DS Goals	G	W	T	R	
Quality of Cause Analysis	>65%	>60%	>55%	<50%	
Revelations > 30 Days	0	<2	<2	<3	
Total Open Assignments (stations)	<600	<700	<1000	>1000	
Average Age of Open Actions	<120	<135	<165	>180	
Department Trends					
DS Goals	G	W	T	R	
Quality of Cause Analysis	>65%	>60%	>55%	<50%	
Revelations > 30 Days	0	N/A	1.0	>1	
Average Age of Open Actions	<120	<135	<165	>180	

**Many
improvements
needed**

12/16/09
Performance
dramatically
improved

12/17/2009 PBNP Performance Improvement Measures of Success (12/16/09)

	RCE Avg Time to Complete 30 Days	RCE Quality Score	Time to Close (Last 30 Days)	ACE Quality Score (Last 30 Days)	CE Avg Time (Last 30 Days)	On Schedule (Last 7 Days)	Overdue (Last 30 Days)	Total Open Cases	Total Closed Cases	CA Avg Quality Score	CA Avg Score Improvement	CA Average Age (Days)	CA Average Age (Days)	CA Average Age (Days)	CA Average Age (Days)	CA - 985 Days Improvement	# Action Item Risk Closed	Long Term Cost Savings	Average Rating
	\$9	89	23.10	83	21.17	4	3	6	833	83	0	121.03	127.69	107.06	106.06	22	72	293	4.0
PMSP Performance																			
Responsible Org																			
Inc and Strategic Planning	N/A	N/A	N/A	N/A	N/A	0	0	2	38	0	0	0	0	0	0	1	0	0	3.0
Learning	N/A	N/A	N/A	N/A	N/A	0	0	1	15	0	0	0	0	0	0	0	0	0	3.0
Outreach	N/A	N/A	N/A	N/A	N/A	0	0	1	4	0	0	0	0	0	0	0	0	0	3.0
Human Resources	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0
Communications	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0
Plant Manager																			
Emergency	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	280.26	118.76	118.76	118.76	1	0	0	4.0
Risk Protection	N/A	N/A	N/A	N/A	N/A	0	0	0	18	0	0	0	0	0	0	0	0	0	4.0
Training	23.11	89	23.10	83	21.17	4	3	6	10	300	0	89.00	82.00	82.00	82.00	10	0	22	3.0
Compliance	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0
Safety & Health	N/A	N/A	N/A	N/A	N/A	0	0	1	8	83	0	0	0	0	0	0	0	0	3.0
Production	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0
Site Engineering																			
Engineering	N/A	N/A	N/A	N/A	N/A	0	0	0	1	0	0	0	0	0	0	0	0	0	3.0
Engineering Design	N/A	N/A	N/A	N/A	N/A	0	0	0	13	13	0	0	0	0	0	0	0	0	3.0
Engineering Programs	11.11	88	11.11	83	11.17	4	4	6	78	78	0	88.00	113.33	88.00	88.00	0	10	28	7.0
Engineering Systems	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0
Special Projects																			
Time Projects	N/A	N/A	N/A	N/A	N/A	0	0	2	17	88	0	0	0	0	0	0	2	4	8.0
Power System	N/A	N/A	N/A	N/A	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	3.0
Projects Engineering	N/A	N/A	N/A	N/A	N/A	0	0	2	14	88	0	0	0	0	0	0	0	0	3.0
Greater Plant Support																			
Emergency Maintenance	N/A	N/A	N/A	N/A	N/A	0	0	2	11	88	0	0	0	0	0	0	0	0	3.0

CAP Open Actions		CAP Open Evaluations	
# CAS	543	# ACES	28
# CAPRS	4	# CCEs	0
# COOMs	0	# CEs	46
# LARs	0	# NRES	15
# LARs	1	# RCEs	2
# LUSOs	0	Total	94
# LUSOs	0		
# RCEs	3	Long Term Open CAP Actions	
# OESs	3	# LTCS	200
# OTHAs	41	# LTCSs	3
# PARs	1	Total	203
# FORAs	120		
# PHCAs	0		
# PHCs	1		
# SAs	7		
# TRALs	10		
Total	833		

Tracking items - Not included

PNBP Performance Improvement Measures of Success (4/28/2010)

	CCE/CE Avg Time to Complete or/CE CANS Approved (%)	RCE Quality (out of 5)	ACE Avg Time to Complete (30 days)	ACE Quality (30 days)	% On Time Completion (7 days)	% Due Date Change (7 days)	Overdue Count (30 days)	Total Open Orders	Open Orders Excluded Count	Total Open Orders	CA Avg Time	CA Avg Appl/Item Score	CA Average Appl/Item Cost	CA Average Appl/Item Overhead	CA Average Appl/Item Low	# of CAs & LTCA's (100+ days)	# Actions Not Rtn'd Rejected (incomplete LTCA's)	% CANS Repeat Rate (0-40%)	
Overall Performance	50	92	29 (7)	96	100 (100)	5 (4%)	0	69	590	707	34	38 (3)	97 (87)	97 (78)	97 (78)	211	0	0 (40%)	
Responsible Org																			
Site OP																			
Site Management								4		124			153 (14)				0 (0%)		
Business Ops								2	1	1		39 (1)							
Accounting								7	3	44			48 (5)			0	1 (3%)		
Marketing								1	2	10			10 (1)						
Human Resources								2	1	71			31 (3)						
Communications								0		0			0 (0)						
Plant Manager																			
Construction								3	30	25	44	17 (2)	10 (1)	44 (4)			1 (2%)		
Asset Protection								15	10	1			102 (25)			2			
Specialties	50 (1)	91	24 (1)	91 (1)	111 (1)		7	40	40	40		40 (2)	109 (9)				3 (5%)		
Maintenance								4	40	16			40 (4)						
Safety & Health								2	3	4	139				139 (10)		20 (2%)		
Production								1	9	27	3		30 (2)	40 (3)	29 (2)		20 (2%)		
Site Engineering																			
Equipment Control								108	146	117		107 (2)	107 (10)	115 (27)	81		5 (4%)		
Equipment Programs								11	33	3	70 (1)	139 (10)	103 (10)	95 (89)	19		10 (8%)		
Engineering Systems								23	109	108	85	84 (8)	146 (8)	100 (10)	102 (10)	34		9 (10%)	
Electrical																			
Site Controls								4	10	17	35		3	41 (7)			0 (0%)		
Power Upgrade								10	35	103	10		10 (1)	99 (9)	99 (9)	32		0 (0%)	
Process Engineering								10	14	74	10 (1)		99 (9)	99 (9)	52		0 (0%)		
Construction Support																			
Construction Resources																			
Supply Chain								1	7	13	142		40 (1)	31 (3)	40 (4)		30 (3%)		
Logistics								1	7	1			2 (2)						
Performance Improvement	50 (2)	95	14 (1)	95 (1)	210 (1)		1	7	1	1			1 (1)						
Security								1	7	2	66		0	49 (2)					
Finance								0	9	9									

Basis for Performance				
Site Goals	G	W	Y	R
Critical Analogue Quality	100%	100%	100%	<10%
ACQ Transmitters	240	440	240	<10%
ACQ Receivers	240	440	240	<10%
CS Transmitters	213	217	217	<17
Total Open Access (PS)	2450	2750	2000	>100
Avg. Age - Strongest Analogs	<70	60	60	>120
Avg. Age - Weakest Analogs	60	470	470	>100
CARS Impact Rate (5 refns)	0	2.5%	1.0%	>10%
Department Goals				
	G <td>W <td>Y <td>R </td></td></td>	W <td>Y <td>R </td></td>	Y <td>R </td>	R
Critical Analogue Quality	100%	100%	100%	<10%
ACQ Transmitters	240	440	240	<10%
ACQ Receivers	240	440	240	<10%
CS Transmitters	213	217	217	<17
Total Open Access (PS)	<Goal	<115%	<Goal	<115%
Avg. Age - Strongest Analogs	60	60	60	>120
Avg. Age - Weakest Analogs	60	<10	<10	>100
CARS Impact Rate	0	2.5%	1.0%	>10%
QoS Data Changes	0	2.5%	2.5%	>10%

# CAs	667
# CAPAs	5
# COMAs	0
# LAs	0
# LARAs	0
# LSAs	0
# LSARs	0
# OSAs	1
# OTAs	42
# PAs	5

# ACEs	16
# OCEs	0
# CEs	41
# MREs	11
# RCEs	0
Total	68

# LTCAs	325
# LTCPs	3
Total	328

# ACGs	21
# EFRs	29
# LRVs	1
# MOCE	0
# RCGs	0

Due Date Changes	0	≤ 3%	≤ 5%	> 5%
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*Scale for scores with counts of 10 or less differs in that all ones are red, one above one is yellow, greater than one is red.

Organizational Effectiveness – Gaps to Excellence

- Potential for Complacency
- Lateral Integration at the Supervisor Level to achieve breakthrough
- Low Value Work Reduction
 - Energy
 - Traction

Organizational Effectiveness – Gaps to Excellence

Low Value Work Reduction

Unit	# of AR's Originated	AR's Closed	Avg Age of Closed AR's
PBN	134	111	128
Fleet Best	206	136	45

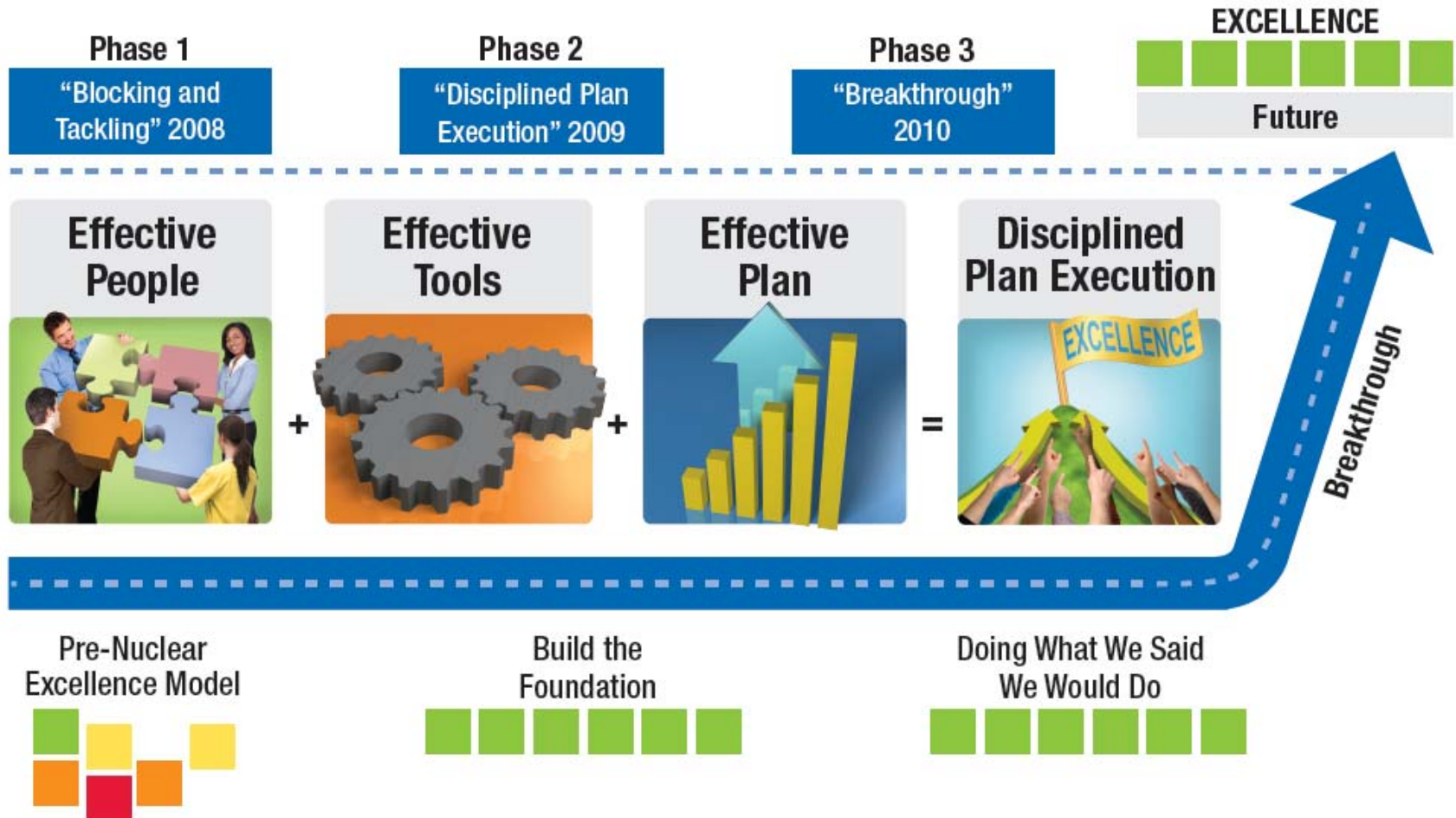
Leveraging the work force will increase the number of LVWR ideas and decrease the amount of time we take to act upon the ideas.

CLOSING REMARKS

Larry Meyer
Site Vice President

Our Fleet is on the path to excellence

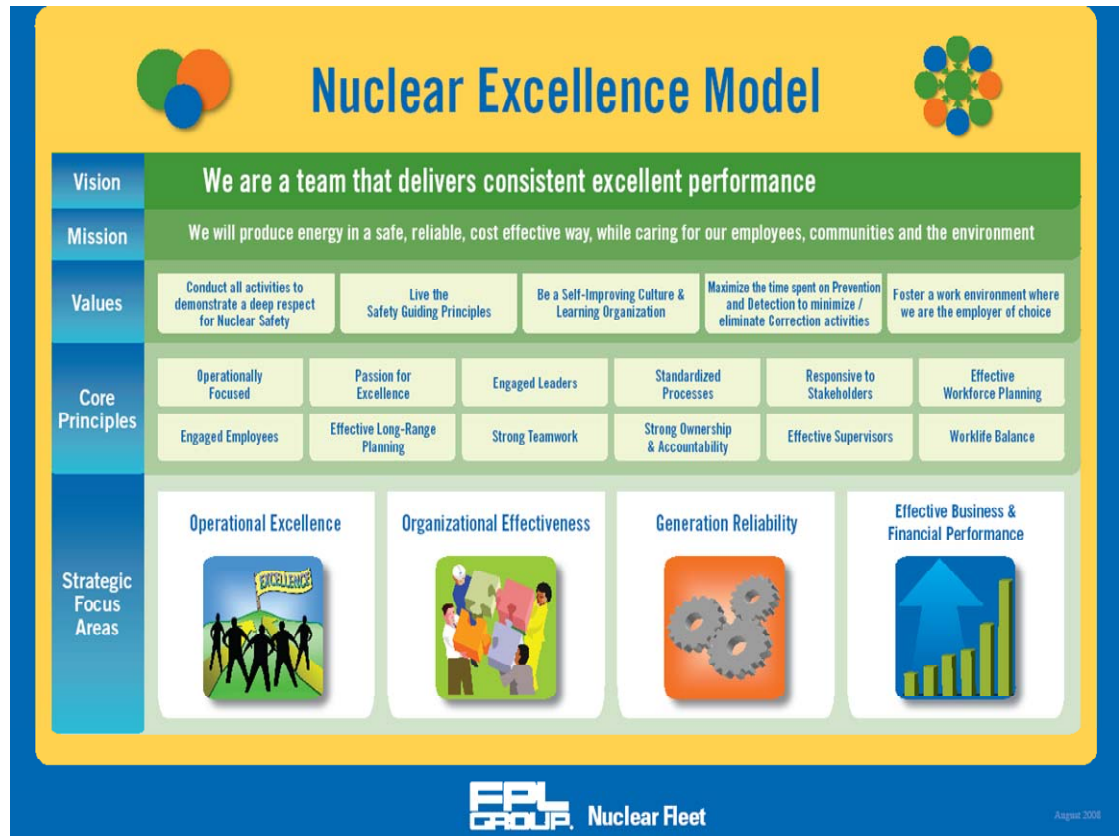
Our Fleet Journey to Excellence



Closing Remarks

- We continue to do what we said we were going to do
- We have confidence that our actions are effective and sustainable:
 - Drivers are understood
 - Core values and principles in place
 - Breakthrough goals will drive us to excellence

THIS IS OUR MODEL FOR ACHIEVING EXCELLENCE



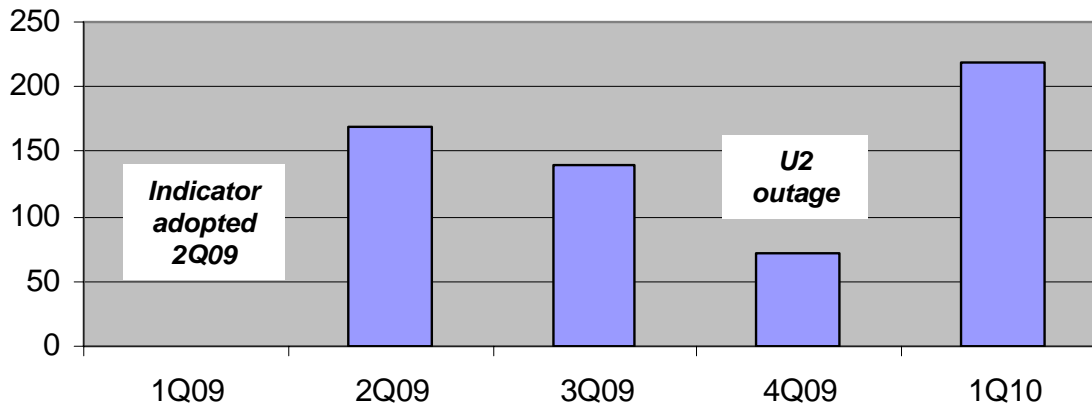
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Breakthrough Goals

2010 PBNP Breakthrough Goals		Metrics that Quantify Breakthrough Status
1	Achieve breakthrough in lateral integration by improving Work Management	Scope Stability (13 week average)
		Schedule Adherence (13 week average)
2	Ensure right picture of excellence exists in key areas	Average Industry Interaction Index
3	Engage the workforce to achieve breakthrough in Low Value Work Reduction	Employee Participation in LVWR
		> 10,000 hours saved

Right Picture of Excellence

Industry Interaction Index



1st Quarter 2010

- **More than 40 benchmarking events**
- **Almost 2/3 of the activities were by supervisors and individual contributors**

Measures number of PBNP interactions with the nuclear industry: formal and informal benchmarking, INPO interactions, significant regulatory interface, users group meetings, etc.

Executive Perspective on Gaps

QUESTIONS