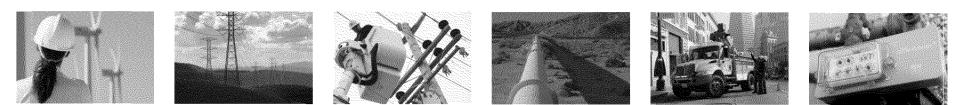
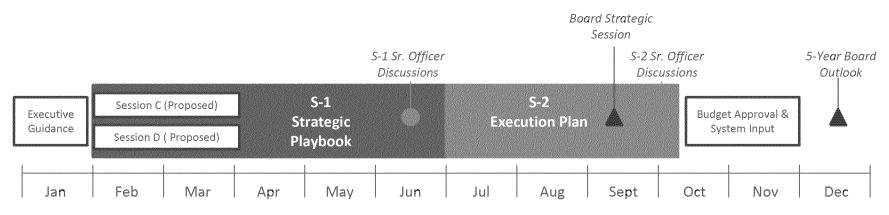




Pacific Gas & Electric Company Strategic Playbook



The Integrated Planning Process



A rolling year-over-year approach . . .starting the next year based on the previous year's results

Process overview

- **CEO-led effort** multi-year planning process modeled on GE best practices
- Strategic planning drives execution bottoms up strategic decision making prior to execution and budget planning
- **PG&E's operating rhythm** integrates all major governance and regulatory processes, including human resources, risk, compliance, and governance

Key components

- **S-1 Strategic Playbook** overview of LOB goals & strategies, emphasizing a 5-year horizon
- S-2 Execution Plan translation of the S-1 into an execution plan and budget request
- Session C HR talent review and succession planning for key roles
- Session D review of key LOB compliance requirements and enterprise-wide risk mitigation plans

Process to position PG&E for long term success

Key Focus Areas

Public Safety

Improve operations that will have the biggest impact in terms of improving system safety and reducing potential risk to the public

Employee Safety

Reduce serious injuries and preventable motor vehicle incidents

Reliable Operations

Move operational performance aggressively towards first quartile by identifying and closing gaps using benchmarking and continuous improvement

Customer Trust

Deliver on commitments made to customers

Affordable

Reduce unit costs while completing all planned work safely with quality

Operating Model to be the Leading Utility

PLAN

- Create realistic plans that deliver measurable results
- Design work to see problems as they occur
 Take a process view that
- includes upstream and downstream stakeholders in planning

Leaders engage

employees

through coaching

& teaching

IMPROVE

 Know what good looks like and strive for it
 Address problems

- quickly, at the root
- Share your learning across the company

EXECUTE

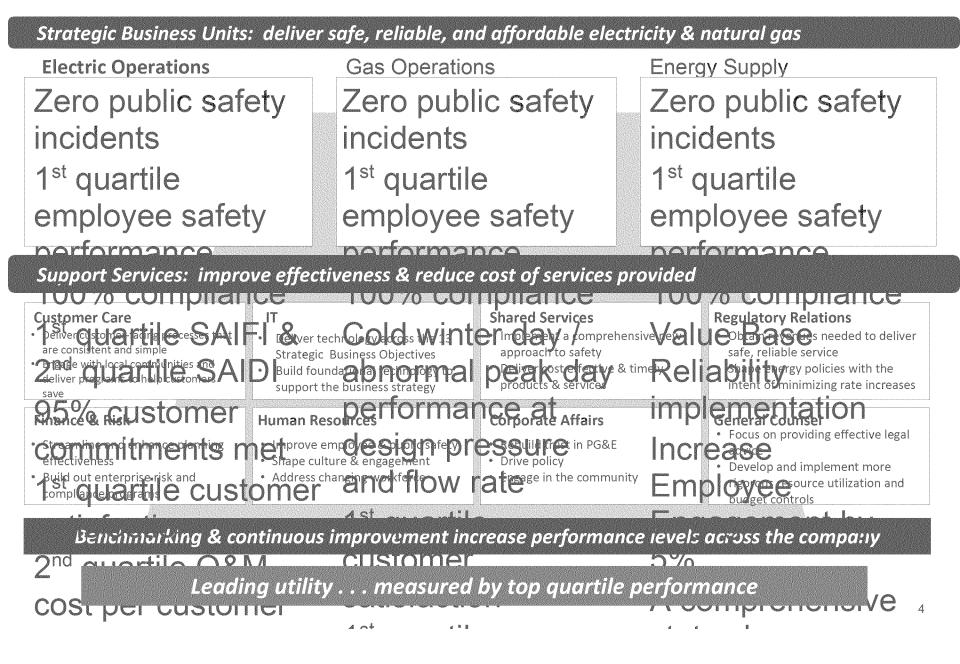
Deliver on commitments in a efficient manner Raise your hand when you see unanticipated challenges Focus on solutions, not just problems

MEASURE Track progress with metrics

- Use benchmarks to validate performance
- Provide regular feedback
- and coaching

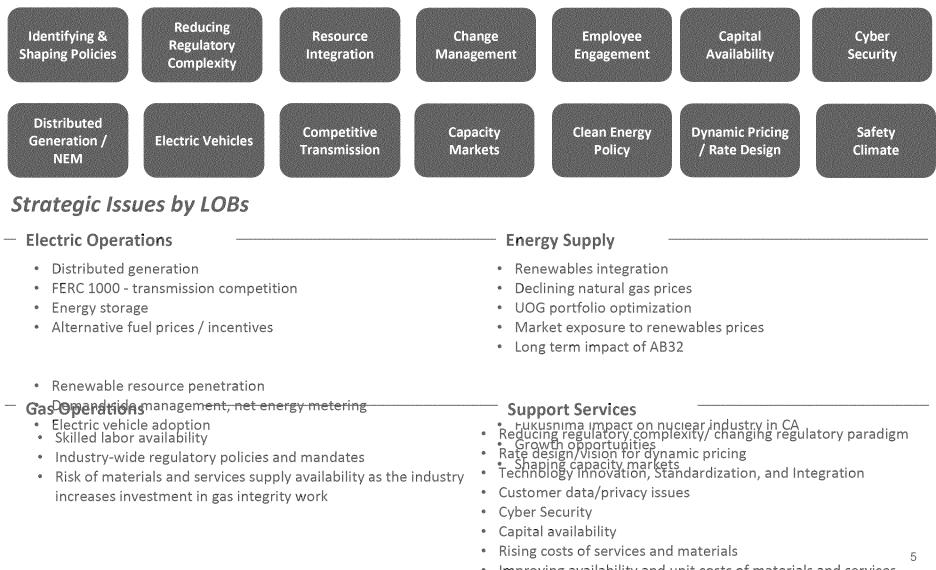
Operating Model drives achievement of 1st quartile performance

PG&E's S-1 Strategic Playbook



Strategic issues raised in the S-1 process

Top Strategic Issues Requiring Company Examination

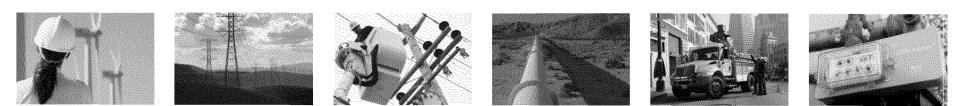


• Improving availability and unit costs of materials and services





Electric Operations Strategic Playbook



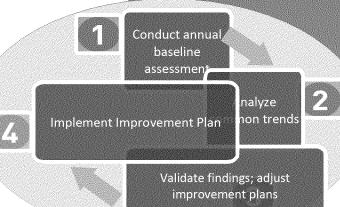
Improvement Plan

Detivering on Our Promise: System Sartest

Employée Safety

Full Compliance

Delivering on Our Promi Employee Safety



Employee Safety Public/System Safety Reliable Electric Service Full Compliance Satisfied Customers Efficient Execution Delivering on Our Promise: Statisticat

Dethering on Der Promise Efficient Execution

Key Enablers

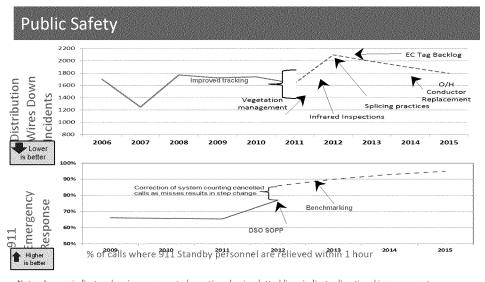
Continuous Improvement Workforce Strategy Technology Roadmap

Anticipated Results

First quartile employee safety performance No public safety incidents No missed compliance obligations > 95% customer commitments met First quartile customer satisfaction First quartile SAIFI / Second quartile SAIDI Second quartile cost position Delivering on Our Promise: Reliable Electric Service



Improvement Plan Areas



Note: Arrows indicate when improvement plan actions begin; dotted lines indicate directional improvement

Employee Safety			
2011 Performance	2014 Target	2015 Target	
	2011	2011 2014 Target	

Overview / Long Term Goals

- Use a risk-based approach to develop investment strategy with emphasis on public safety to plan, design, maintain and operate our electric system safely and reliably
- Significantly improve our system-wide data management ¢ capabilities to utilize risk-based approach

Tactics

Implement risk-based framework

Develop/implement a methodology that better prioritizes system safety risk

Benchmark to know what success looks like

Continue "no regrets" actions

Mitigate known issues including wildfire mitigation

Improve data quality

Emergency Response

Engage customers and communities

Overview / Long Term Goals

Develop a safety climate where all employees demonstrate a commitment to safety and have the skillset to safely execute work

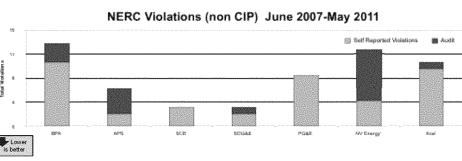
Tactics

Create Ownership of Safety & Accountability Reach Every Employee Shift the Safety Focus to Recognizing & Controlling Exposure & Risk Hazard identification & risk exposure reduction Enhance Human Performance and Training **Continuous Improvement via Assessment Learnings & Best Practices** Knowledge and skills assessment

Red = New Initiative beginning in 2012 or beyond

Improvement Plan Areas (cont.)

Compliance



Overview / Long Term Goals

- Meet compliance obligations in four major areas:
 - NERC/WECC
 - CPUC General Orders
 - Environmental regulations
 - Other regulatory requirements
- Infuse both the letter and spirit of compliance requirements into all work
- Identify all compliance obligations, analyze our processes, determine gaps, evaluate risk and implement initiatives with priority based on risk

<u>Tactics</u>

Confirm compliance obligations

Focus on risk management / public safety

Analyze and identify gaps

Define core processes, document and understand handoffs Assess effectiveness of controls

Evaluate risk and prioritize initiatives to close gaps

Analyze risks and compliance requirements associated with assets and all core processes

Execute improvement initiatives including preventive and

detective controls

Red = New Initiative beginning in 2012 or beyond

	Relia	bility	
Metric	2011 Quartile	2014 Target	2015 Targe

Overview / Long Term Goals

- Implement a data-driven approach to initiate system-wide and local actions to improve reliability
- Partner with Customer Care and Corporate Communications to communicate reliability information to our customers and the public

Tactics

Improve Asset Performance

Reduce Outage Frequency and Duration

Develop programs to reduce customer interruption, reduce the size and duration of customer interruptions

Improve System Safety and Integrity

Accelerate plans to reduce infrastructure related backlogs

Influence Customer Satisfaction

Reduce the number of customers who experience multiple interruptions (CEMI)

Improvement Plan Areas (cont.)

Customer Satisfaction			
Metric	2011 Performance	2014 Target	2015 Target

Overview / Long Term Goals

 Fundamentally revise our customer order fulfillment mindset by setting objectives, designing operating procedures and coordinating construction work to efficiently give customers exactly what they want, when they want it

Tactics

Become much easier to do business with Make our processes and documentation much simpler Commit to the customer's schedule Deliver as promised Leverage technology to streamline workflow Keep the customer informed Focus on truly satisfying the customer Energize the workforce to provide great customer service

Red = New Initiative beginning in 2012 or beyond

Work Effi	iciency		
Metric	2011 Quartile	2014 Quartile Goal	2015 Quartile Goal
FERC T&D O&M Per Customer	3 rd	3 rd	2 nd
FERC T&D Capital Spend Per Customer *	4 th	4 th	4 th
FERC T&D O&M Per Primary Conductor Mile	2 nd	2 nd	1 st
FERC T&D Capital Per Primary Conductor Mile	1 st	2 nd	2 nd

* Capital spend per customer to remain in $4^{\mbox{\tiny th}}$ quartile based on current capital investment plan

Overview / Long Term Goals

- Electric Operations is less cost competitive than high performing peers and its previous structure did not enable efficient work execution
- Implement a data-driven approach to reduce costs, develop more executable work plans and increase efficiency in field & support operations

<u>Tactics</u>

Reduce Cost Structure

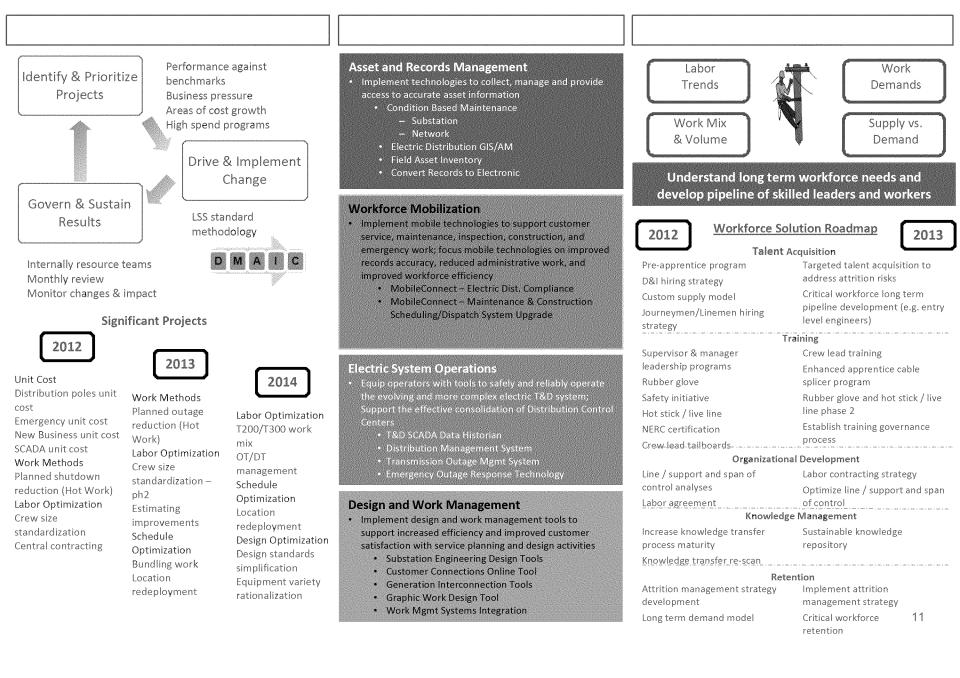
Review and adjust labor and contracting strategies Identify and capture opportunities for improved alignment and reduction of shared costs and direct costs / internal overheads

Improve Operational Efficiency

Prioritized focus on high cost programs

More efficient internal resource utilization via specific initiatives

Improvement Plan Enablers

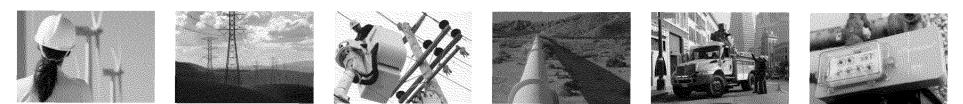




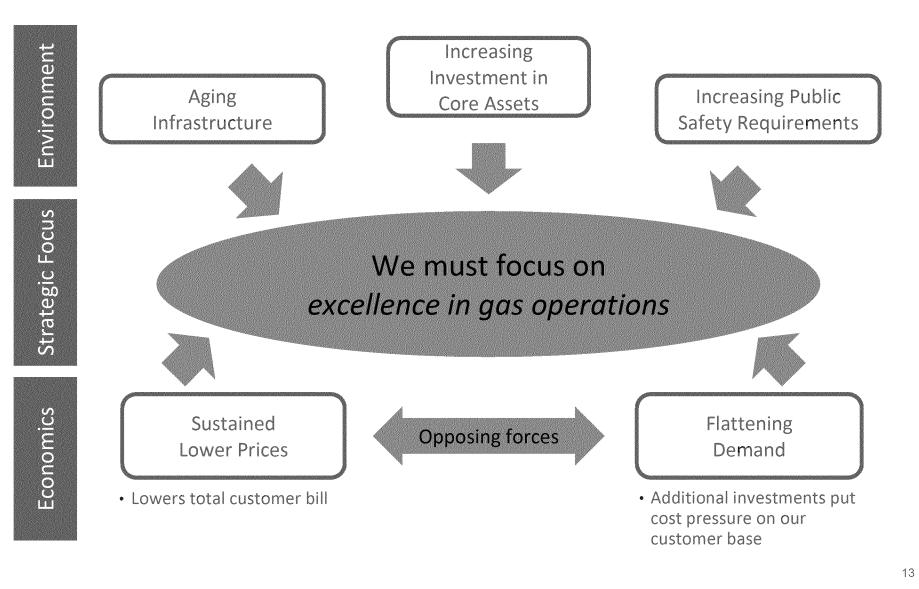


Pacific Gas and Electric Company[®]

Gas Operations Strategic Playbook

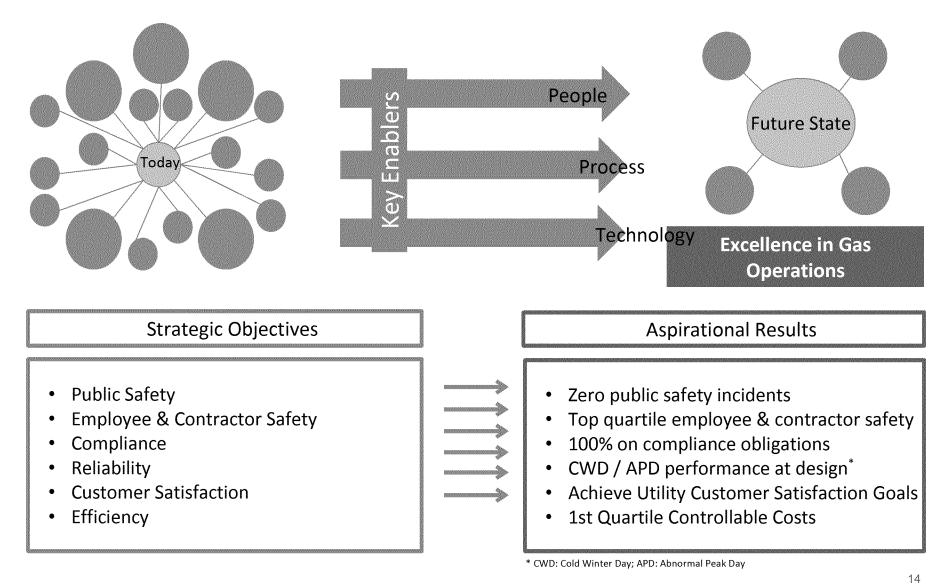


Current Operating Environment Leads to a Single Strategic Focus



SB GT&S 0859848

Our Vision: Be the Safest, Most Reliable Gas Company

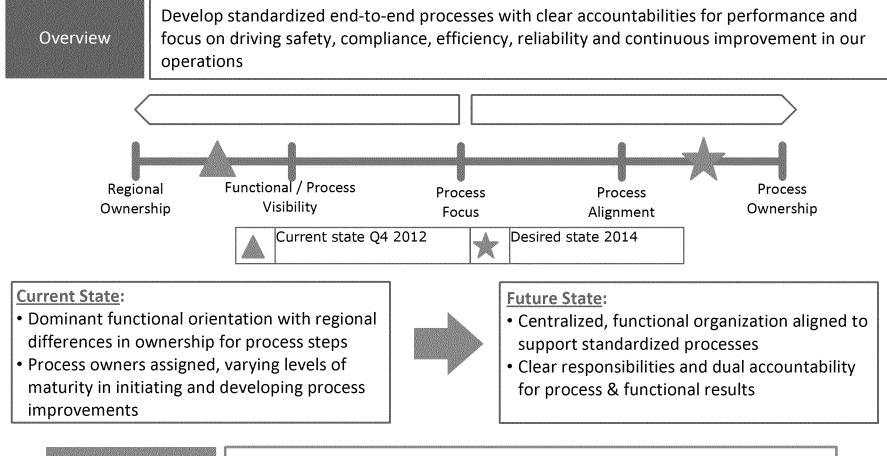


Gas Operations Evolution

Stabilize (Address Immediate	Q1,2011 We are Here 2 Remediate (Build the Foundation)	014 Improve (Achieve Excellence in
 Safety Risks) Implemented immediate pressure reductions Performed accelerated system safety assessments Built and executed contingency plans to avoid service interruptions Collected and reviewed strength test records for all HCA transmission lines 	 Continue to identify gaps and prioritize their remediation Execute Pipeline Safety Enhancement Plan Rewrite and implement Gas Operations standards and procedures Improve integrity management process Leverage technology to improve accessibility and reliability of asset information Develop Risk Register & risk-based investment prioritization Continue to improve Process Safety Management 	<list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item>
	Build excellence in <u>fundamental gas operations</u>	1

Key Enabler – Process

Developing Asset Management System consistent with the requirements of PAS 55

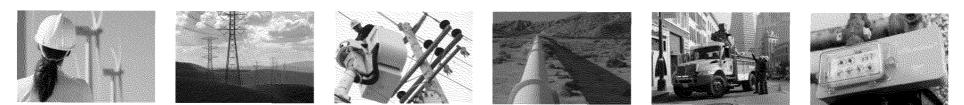


Challenges	 Significant disparity in regional process execution 	CENERGIE CONSTRUCTION
Chanenges	 Cultural resistance to central, standardized efforts 	annenenenenenen





Energy Supply Strategic Playbook



Energy Supply S-1 Playbook

Playbook Objectives

- Safe and Reliable Operations
- Implementation of Regulatory Requirements
- Affordability and Value
- Investment in Human Talent
- Renewable Integration

Operating Model

Policy Shaping and Influence

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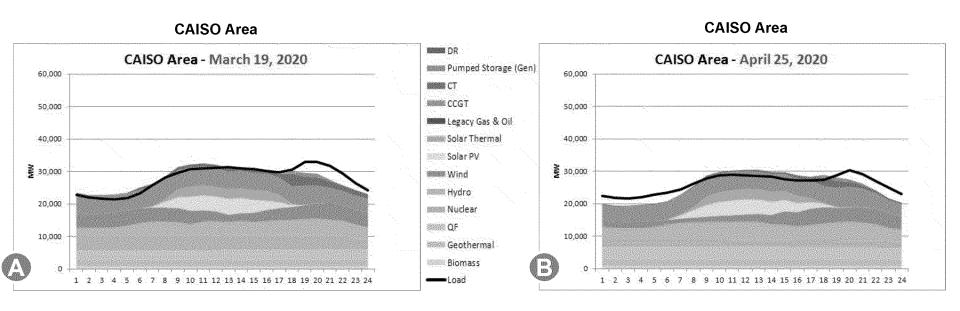
Anticipated Results

- No significant public safety incidents associated with our generation assets
- All compliance obligations met
- A safe, reliable, affordable, and clean energy supply mix
- Successful implementation of Value-Based Reliability
- Improved level of employee engagement
- A comprehensive state clean energy policy

Key Enablers

- Continuous Improvement
- Regulatory & Government Relations
- Technology Roadmap
- Human Capital

The Challenge of Resource Integration: Balancing Electricity Supply and Demand

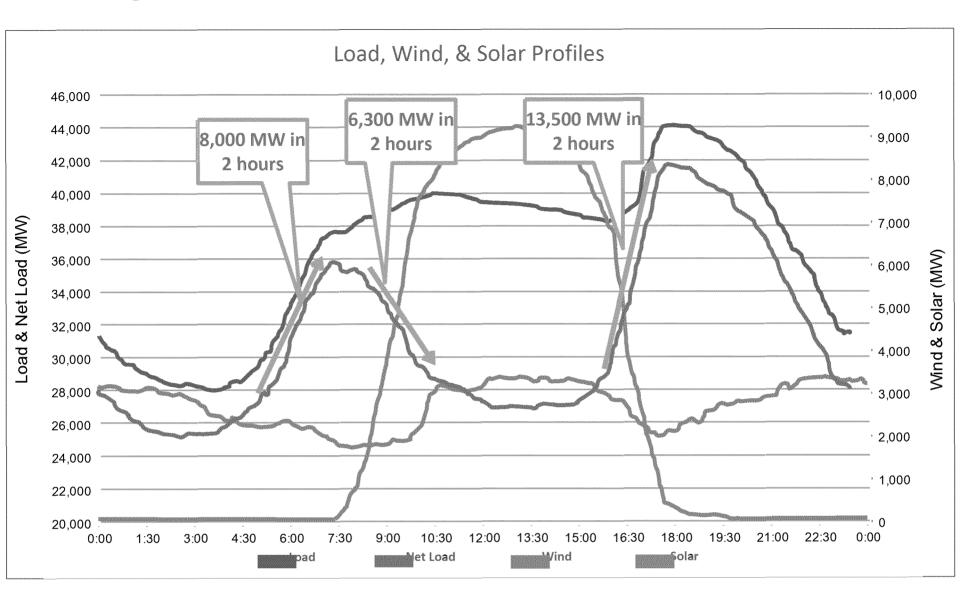


•CAISO analysis based on IOUs 2010 public RPS filing

•Solar PV supply potentially understated

•Over-generation is forecast on more than 50% of days in the year

Change in Net Load Shape



Energy Supply Strategy

Gas Fleet

Current Profile

- Colusa: 530 MW GS
- Gateway: 530 MW GS
- Humboldt Bay: 163 MW GS

Pending

• Oakley: 624 MW GS

Key Activities

- Reliability
- Flexibility



Current Profile

• PV Solar Stations: 102 MW

Pending

 50 MW under development in Program Year 3

Key Activities

• Complete Program Year 3 development

88

Nuclear

Current Profile

• Diablo Canyon: 2 Units, 2,240 MW

Pending

• DCPP License Renewal application

Key Activities

- Fukushima and Emergency Plan rulemaking
- DCPP 5-year comprehensive cost and efficiency plan
- Refueling outage planning and execution

Energy Procurement

Current Profile

• \$3.7 billion electric procurement portfolio managed by 275 employees

Pending

Market Redesign

Key Activities

- Greenhouse Gas / AB32 Strategy
- Value Based Reliability initiative
- IT Compliance Related projects
- Flexible procurement contracting strategy



Hydro Fleet

Current Profile

- Helms Pumped Storage: 1,212 MW
- Conventional Hydro: 67 powerhouses, 106 units, 2,684 MW

<u>Pending</u>

- FERC relicensing.
- Currently 3 major projects in progress: Upper North Fork Feather River, McCloud-Pit, and Drum-Spaulding

Key Activities

- Hydro Public Safety initiative
- Improve Reliability and Facility Material Condition initiative
- Hydro ERM and Asset Mgmt program