



# PTT Benchmarking Learning from Others

September 2012







## **Benchmarking Lessons**







VENTYX #\*



- We are effectively leveraging technology compared to peer companies.
- There are ways to better leverage technology to improve productivity.
- Change Management is key to a successful implementation





















## accenture Technology Briefing: February 16











- Reviewed technology implementations at five peer utilities
- **Key learning points:** 
  - Centralized, integrated work and asset management systems can save money while improving crew and design productivity
  - **Analytics improve access to** information and can support effective risk-informed maintenance decisions while reducing number of repeat trips, asset lifecycle costs, materials and goods/services costs.





## Technology Briefing: February 22









- Reviewed technology implementations at three peer utilities
- **Key learning points:** 
  - Utilizing GIS as the centralized and source for asset information drove improvements in productivity.
  - One, centralized work and asset management system can lead to productivity improvements and focused change management helps to support the improvements
  - Expanding the use of mobility specifically MDTs – can also improve productivity.





# BORDER STATES Technology Briefing: April 11

- Reviewed three technology solutions for utilities
- Key learning points:
  - Fleet Management tools improve compliance, reporting, driver safety and productivity while saving fuel and reducing environmental impact
    - Knowing where, when, and how vehicles are used enables field service teams to better serve their customers
  - More user-friendly interfaces can be added on top of enterprise applications (like SAP) to create a more simple, easy to understand application
  - Focus on improving Planning, Scheduling, Design and Standards can reduce downstream costs.





## © conEdison Site Visit: May 17

- **Key learning points:** 
  - Heavy focus on initial and on-going training; have dedicated change management organization
  - Initiative include funding for change management and expectation for productivity dip following implementation
  - Focused on organization and process before identifying solutions
  - Realized productivity gains primarily though scheduling process (+70 minutes per day per crew)
  - Eliminated need to physically staff every substation





#### Site Visit: June 6

#### Key learning points:

- In process with 15 year OpEx2020 program that includes six major initiatives: Maintenance & Inspection, Construction, GIS, Condition Based Maintenance & Asset Investment Support, Outage and Distribution Management Systems, and Customer Care
- Have learned that more O&M is needed following implementation to support learning & ensure productivity gains; also that front-line supervisors should be engaged as early as possible
- Condition based monitoring is in use; data is analyzed to determine if work is required, then work order is created
- Projects are implemented with cross-functional teams, not silos

  Productivity

  through Technology



# Site Visit: July 13

- Key learning points:
  - Building own networks to ensure connectivity, as needed
  - 4D scheduling tool is used to construct project virtually to identify & eliminate potential construction conflicts (3D plus a time variable)
  - Implemented GPS controls for equipment
  - Focused on well-defined process & standards in order to reduce data entry
  - Accountability encouraged by daily group status meetings to monitor progress
    Productivity
    through Technology

### PGE site visit: September 12 - 13

#### What we did:

- Change workshop facilitated by Accenture
- Portland General Electric site visit



- Implementing common systems and processes
- Transforming the culture to transform the business

#### What we learned:

- Executive sponsorship is KEY for success
- Change management activities are 20% of project costs
- Change must be managed daily and consistently
- Changing culture is difficult, requires tenacity and unwavering support





