



Where we've been and where we're going...

Mark Coren
Duke Energy

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NUPIC was created back in 1900's (1989 to be exact) based on a need for improved supplier audits and oversight.

NUPIC's purpose:

- Means for sharing audits/surveys
- Increased efficiencies
- Reduce costs
- Consistent audits and surveys
- Information sharing among members
- Reduce costs
- Reduce costs



Where we've been and where we're going...

NUPIC is now a corporation (*Nuclear Procurement Issues Corporation*)

- 22 U.S. Domestic Members
- 12 International Members
- 7 Decommissioned Members



Where we've been and where we're going...

Steering Committee:

- **Chair** – Mark Coren (Duke Energy)
- **Vice Chair** – David Soward (Xcel Energy)
- **Secretary** – Roger Mills (PSEG Nuclear)
- **Treasurer** – Mike Buel (Wolf Creek Nuclear)
- **Region 1** – Kevin Buckley (Exelon)
- **Region 2** – David Breneman (Dominion Energy)
- **Region 3** – Tom Cannon (Bruce Power)
- **Region 4** – John Simmons (Luminant Power)
- **International** – Dave Essensa (New Brunswick Power)



Where we've been and where we're going...

NUPIC Committee Consolidation (Right-Sizing)

- Vendor Interface (VIC)
- Process Management
- Nuclear Fuel
- Information Technology
- Vendor Performance Monitoring
- NUPIC Training
- International Laboratory Accreditation Cooperation (ILAC)



Where we've been and where we're going...

While the rest of the world is moving forward the U.S. appears to be closing shop...

- Fort Calhoun Closed 10/24/2016
- SCANA decided to suspend construction on (2) AP1000 units at VC Summer
- First Energy to close Davis-Besse, Perry, & Beaver Valley
- Oyster Creek to close 10/2018
- Pilgrim 6/2019 or sooner
- PG&E decided to close Diablo Canyon U1-2024/U2-2025



Where we've been and where we're going...

There are a few bright spots...

- Vogtle continues to move forward with construction... (AP1000 Units)
- The Canadian Plants are under-going huge upgrades...
- NextEra (FPL) just received their COLA for (2) units at Turkey Point
- TVA is still considering Small Modular Reactors...
- NuScale just received grant to start operations by 2026.
- Life Extensions are currently on-going for many current plants 40, 60, 80 years and beyond...



Where we've been and where we're going...

The “Delivering the Nuclear Promise”

- Share Improvement Opportunity Ideas...
- Be a partner, not a participant...
- Standardizing training and Qualification...
- Engage other suppliers...
- A continued commitment to Safety Improvement...
- Working together in an Uncertain Future...



“Innovation and Transformation”



Power Engineering article 5/22/2017

Michael McMahon is President of Day & Zimmermann's Engineering, Construction and Maintenance Group

Where we've been and where we're going...

Current Issues...

- International Audit Team Members are being denied or granted limited access...
 - ✓ Communication with the Audit Team Lead.
- Finding vs. Deficiency
 - ✓ Minor issues entered into the suppliers' Corrective Action Program.
 - ✓ Fewer Findings are being issued.
 - ✓ Developing additional guidance for consistent implementation.
- Knowledge Transfer & Training.



Where we've been and where we're going...

Knowledge Transfer and Training...

- NUPIC/EPRI JUTG Conference Jan 2018.
 - ✓ Brought together Lead Auditors, Suppliers, & Procurement Engineering



Where we've been and where we're going...

Beyond the “Nuclear Promise...”

Continue to look for ways to reduce costs and be even more efficient...

- Graded Approach to Supplier Audits (GSA) applying the 80/20 rule.
 - ✓ Incorporate “Risk Planning” to ensure the correct resources are applied to the areas with the most risk.
- NUPIC Self Assessment – used to develop goals and actions for continuous improvement.
- NEI 1409 (NUREG -0302) – Guidelines for implementation of 10 CFR Part 21 Reporting of Defects and Non-compliance.
- Develop Finding Trend data to identify industry weaknesses or areas for improvement
- Implementation of additional controls for Reverse Engineering based on IN 2016-09
- Revision to ILAC and ISO 17025, how does this affect NEI 14-05A?
- Checklist revision based on NQA-1 updates in software development and controls



Together we will keep moving forward...



Future NUPIC Team...

