

*2019 Nuclear Utility Obsolescence Group
Winter Working Group Meeting*

*Component-Based Solutions Guide Project
Report Out*

Steve Ostrowski

Purpose

The Component-Based Solution Guide provides a consolidated strategic methodology to mitigating component-based obsolescence using the best technical and business solution rather than relying upon a transactional resolution.

Goal

Produce guidance for obsolescence technical and business solution strategies based upon component type, catalogue category and technology.

Benefits

- Supplement existing site obsolescence programs with guidance to interfacing with other site stakeholders
- Provide the program owner with a road map to the industry standards
- Identify potential technical and procurement efficiencies within the obsolescence process
- Provide methodologies which align with IAEA standards for obsolescence and overall parts readiness

- Othman Mjahed, APS
- Thomas Engbring, APS
- Steve Ostrowski, Bruce Power
- Dave Palmer, Curtiss-Wright
- Freddy Ungar, Curtiss-Wright
- Steve Werlick, Curtiss-Wright
- JK Leitch, Duke
- Scott O'Connor, Energy Northwest
- Michael Lonsberry, Energy Steel
- Roger Wszolek, Entergy
- Darryl Hartley, ESI
- Dean Janke, ESI
- William LaBarre, Fluid Components
- Joe Beene, Framatome
- Jeff Belotti, Hayward Tyler Inc
- Faisal Salman, Hydro Inc
- Bristol Hartlage, Kinectrics
- Greg Mason, NTS
- Stan Stack, Nutherm
- Saadia Malik, OPG
- Alex Iuga, Paragon
- John Cestra, Paragon
- Keith Porter, Paragon
- Tom Crumlish, Paragon
- Paul Hogan, Rolls-Royce
- Donnie Jackson, Ruhrpumpen
- Keith Murphy, Ruhrpumpen
- Mark Friedman, Southern
- Jessica Harper, Ultra Electronics
- Jason Jones, Westinghouse

- Issued Component-Based Solution Guide Rev. 0 in Q3 2018
- 7 of 10 Matrices were Completed
 - Circuit Breaker
 - Transmitter
 - Relay
 - Switch
 - Fuse
 - MCC Assembly
 - Printed Circuit Board/Card

- **Open Items**

- Collect Feedback from Stakeholders on the Component Solutions Guide
- Determine Pilot Stations
- Complete Matrices for
 - Gate Valves (Curtiss-Wright, Steve Werlick) – draft received for review
 - Detector
 - Power Supply
- Determine if any New Matrices are Needed
- Complete a Catalog Standard Scope for All Top 10 Components
- Bruce Power Valve Catalogue Standardization
 - Identify and Prioritize Scope
 - Standardization
 - Execution
 - Repeat
- Update Valve Catalog Standardization

- **Open Items (Cont.)**
 - Documentation of Operational Experience is Each of the Areas:
 - For Example, Bruce Power is Completing Significant Catalog Management Work and Recent OE on Valve Standardization
 - Determine the Return On Investment (ROI) in Each Area:
 - Estimation Framework
 - Typical Inputs and Assumptions
 - Structure / Terms of Body
 - Should There be Appendixes or Amendments or Separate Document?
 - Determine Modification / Parking Lot Items

