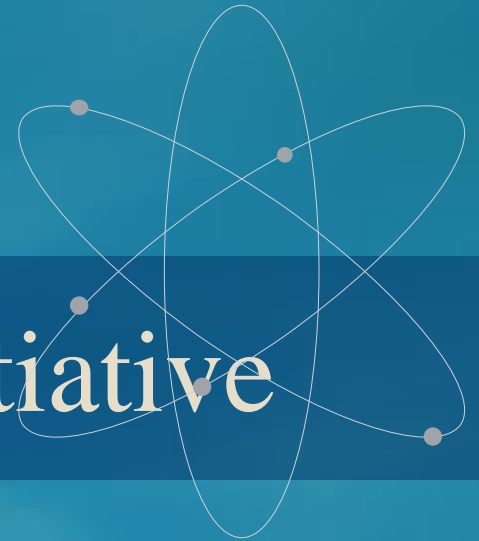


# INPO Health Report Initiative



**Nuclear Utility Group on Equipment Qualification**

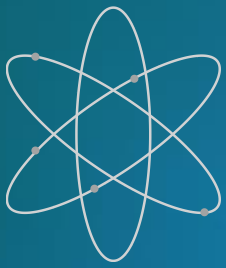
**Fall 2014 Joint EQ Technical Conference**

**November 4-6, 2014**

**Sand Key, Florida**

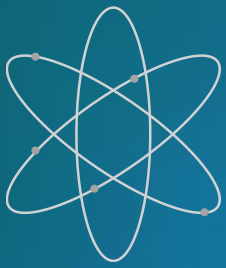
William Horin, Winston & Strawn, LLP ([whorin@winston.com](mailto:whorin@winston.com))

Ronald Wise, NEQ Consulting ([ronwise@aol.com](mailto:ronwise@aol.com))



# INPO Health Report Initiative

Today's topic is intended to provide some background and brief summary regarding ongoing activities by INPO related to Improved Health Reporting for Engineering Programs.

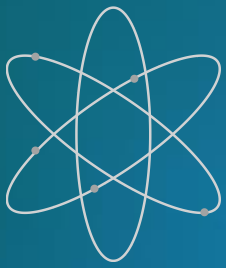


# INPO Health Report Initiative

## BACKGROUND:

- INPO teams have found some engineering programs are outliers to industry
- Program Health Reports indicate otherwise
- 2013 Engineering Program Managers meeting at INPO raised the question:

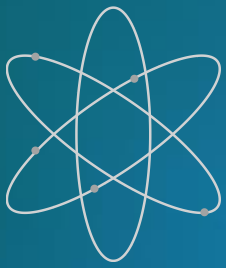
*How do I know if my programs are in good shape?*



# INPO Health Report Initiative

## ISSUES:

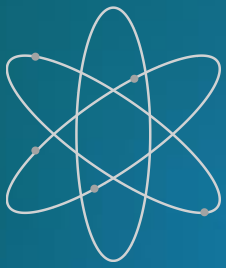
- Benchmarking and evaluation of engineering programs is a challenge
- Wide variation in program health reporting formats and metrics across the industry.



# INPO Health Report Initiative

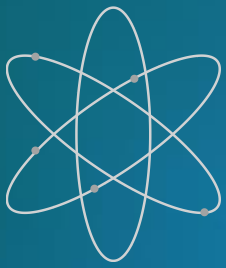
## ISSUES:

- Program Health reports can be:
  - Data Heavy
  - Work Intensive
- Often offers little insight into program health or conflicts with observed conditions or cognizance of cumulative impact.



# INPO Health Report Initiative

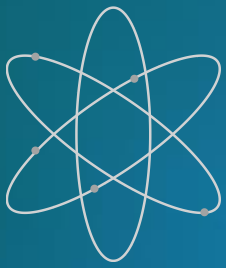
**DESIRED END STATE:** Program Health Reports consistent across the industry.



# INPO Health Report Initiative

## Progress to date:

- A Core Team has been assembled which consists of industry program managers, corporate functional area managers and INPO
- Participants in Core Team include:  
Exelon, NextEra, Duke, Southern Co., Bruce Power, TVA, Xcel, Talen, Entergy, FENOC, APS, and INPO

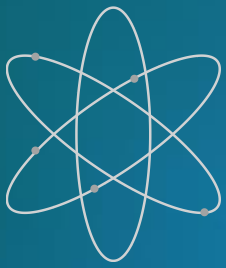


# INPO Health Report Initiative

## Progress to date:

- Agreed on guidelines for good program health reporting – cornerstone approach selected & ground rules adopted.
- Core Team developed generic indicators for Personnel and Infrastructure cornerstones
- Pilot Effort selected BACCP and FAC

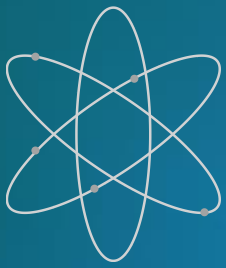




# INPO Health Report Initiative

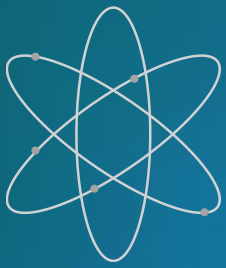
Progress to date:

- BACCP and FAC owners developed program-specific indicators for Equipment and Implementation cornerstones.



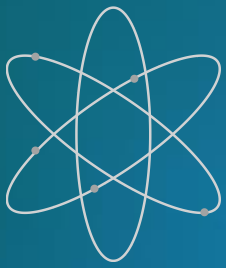
# INPO Health Report Initiative

- Selection of Phase 2 programs
  - AOVs – FENOC
  - ISI – Exelon
  - IST – TVA
  - GL 89-13 – APS
  - Buried Piping – FENOC
  - FP - Exelon



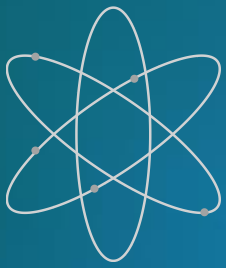
# INPO Health Report Initiative

- Selection of Phase 3 programs
  - Repair / Replacement – Exelon
  - BWR Vessel & Internals – Exelon
  - Containment Leak Rate (App J) – Southern Co.
  - Electrical Cables – FENOC
  - **Environmental Qualification (EQ) – Southern Co.**



# INPO Health Report Initiative

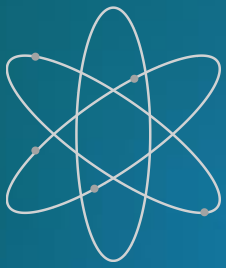
- Selection of Phase 3 programs (continued)
  - MOV – APS
  - Snubbers - Duke
  - Steam Generators – Entergy
  - Welding – Entergy
  - Maintenance Rule - Duke



# INPO Health Report Initiative

## Timeline:

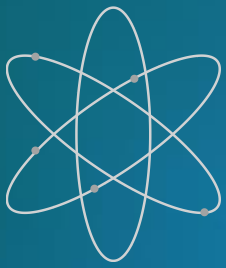
- 3<sup>rd</sup> Quarter 2015 – Incorporate lessons learned from beta testing
- 3<sup>rd</sup> Quarter 2015 – Finalize scoring system for pilot programs
- 3<sup>rd</sup>, 4<sup>th</sup> Quarters 2015- Six second-phase programs deliver beta test versions of PHRs



# INPO Health Report Initiative

## Timeline:

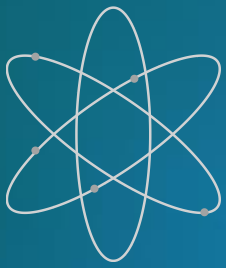
- 4<sup>th</sup> Quarter 2015 – Ten third phase programs create first draft of PHR
- 1<sup>st</sup> Quarter 2016 – All utilities start using BACCP and FAC health report format (goal)
- 1<sup>st</sup> Quarter 2016 – program metrics developed for six second-phase programs.



# INPO Health Report Initiative

## Timeline:

- Mid-2016 – Beta testing metrics for six second-phase programs
- Mid-2016 – Self Assessment
- August 2016 – Report to EPRI Nuclear Power Council
- Fall-2016 – All utilities start using metrics for the six second-phase programs.

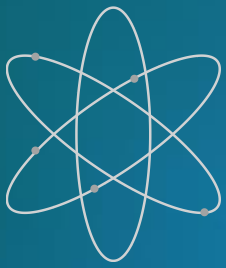


# INPO Health Report Initiative

## Improved Health Reporting for EQ

- Southern Co (Jeff Mulvehill) has the lead
- Working Group has been established
- WG to develop draft EQ PHR by end of 2015

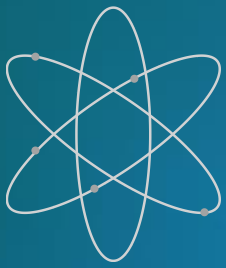




# INPO Health Report Initiative

## Membership in the WG for the EQ PHR includes:

- Southern Company
- Talen
- SCANA
- DUKE
- FENOC
- Xcel
- TVA
- Dominion
- Luminant
- Other Non-Utility



# INPO Health Report Initiatives

Questions or Comments?