DOE/EPRI/CENG NPLeD Project Activities at Ginna and Nine Mile Point 1

Workshop on Nuclear Plant Life Extension Research and Development

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Agenda

- Origin of Project
- Summary of Project Activities to Date
- Project Results
Origin of Project

- After the 1st Life Beyond 60 Workshop in 2008, new NEI Life Beyond 60 Working Group (LB60WG) was formed

- LB60WG developed a list of potential technical challenges for operation past 60 years

- Presented to DOE, EPRI, and the NRC – became the Issue Tracking Table (ITT)

- In August 2009, EPRI Long Term Operability (LTO) Project Advisors recommended the selection of a pilot plant for ITT issue evaluation
EPRI collaborated with DOE’s Light Water Reactor Sustainability (LWRS) Program to form the Nuclear Plant Life Extension Demonstration (NPLED) Project

Early in 2010, the CENG CEO and CNO met with EPRI and offered Ginna and NMP1 as pilot plants for the project

– Wanted to provide a means to evaluate technical challenges that could adversely affect the business decision for application to operate beyond 60 years

In the signed CENG, DOE, and EPRI agreement, the project scope focused on 2 areas identified in the ITT

– Reactor Vessel Internals (RVI)
– Containment

Initial duration of the project was set at 3 years with the option of duration expansion
Summary of Project Activities to Date

- Planning meetings between DOE, EPRI, and CENG
  - Currently conducting weekly calls
- EPRI/Lucius Pitkin data collection
- Observations of Ginna inspections/tests
- Significant EPRI/Lucius Pitkin interfacing with Ginna Subject Matter Experts
- Conduct of methodology demonstrations at Lucius Pitkin offices/lab (10/10) and Lehigh University (12/10)
Project Results

- This is a research project
  - CENG is not planning to use the results from this project for any aspect of plant operation
  - CENG is not planning to use any project data as input for any future License Renewal Applications that may be generated for CENG plants

- Focus is on risk identification and mitigation