

CENG

a joint venture of



Constellation
Energy



EDF



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

Workshop on Nuclear Plant Life Extension Research
and Development

Mark Flaherty
Manager, CENG Fleet Nuclear Engineering

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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



Origin of Project (cont'd)

- 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

