

Current Practices in Utilization of Units for Radiation Measurements

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Measurements in the U.S.

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NUCLEAR ENERGY INSTITUTE

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Topics

- Role of NEI
- Current practices by the nuclear industry
- Who defines practices in the nuclear industry?

Nuclear Energy Institute

- The Nuclear Energy Institute is the industry's policy organization.
- Its broad mission is to foster the beneficial uses of nuclear technology in its many forms.

Role of NEI

- Develop policy on key legislative and regulatory issues affecting the industry;
- Provide a forum to resolve technical and business issues for the industry; and
- Provide accurate and timely information on the nuclear industry to members, policymakers, the news media and the public.

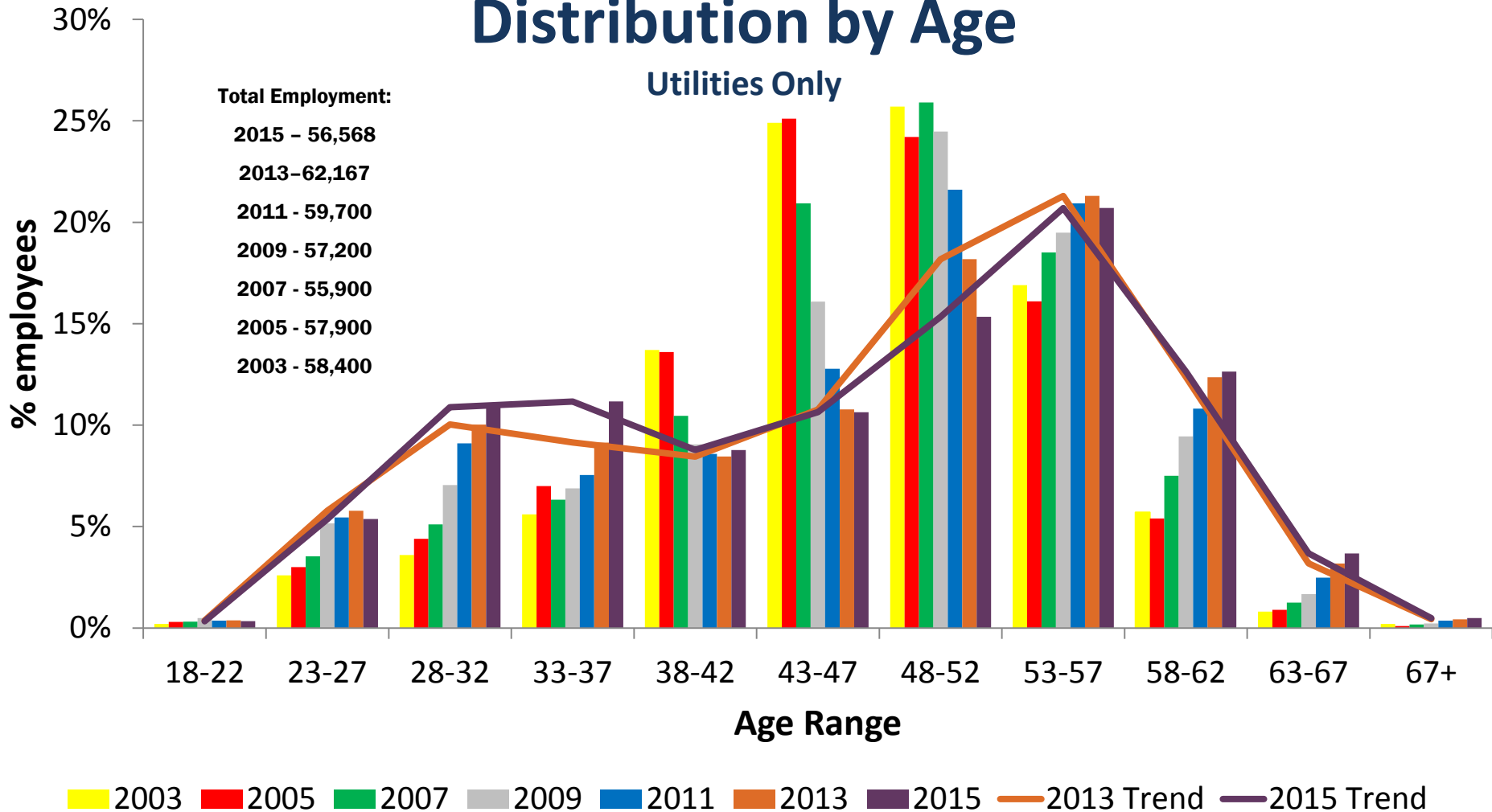
More than 350 Member Companies in Over 17 Countries



U.S. Nuclear Power Plant Workforce Demographics

- Approx. 100,000 nuclear workers overall
 - 56,000 utility workers
 - 65% or 36,000 persons have no formal education beyond high school
 - 44,000 supplemental workers (e.g. laborers, carpenters, millwrights, welders, radiation protection technicians, etc.)

U.S. Nuclear Industry Employment Distribution by Age



Units Used in the Nuclear Industry

- All power reactors and fuel cycle facilities use traditional units (e.g. rad, rem, etc.)
- Exception: Approximately 100 persons industry-wide use SI units for radioactive waste shipments
 - highly trained and specialized radiation protection personnel

Who Defines Practices in the Nuclear Industry?

- NRC establishes
 - **regulatory requirements** for licensees (e.g. 10 CFR Part 20, 50, etc.)
- INPO establishes
 - **practices in excellence** for nuclear power plant operations (NPPs only)
- NEI provides
 - **policies** on key legislative and regulatory issues affecting the industry
 - **representation** of members' positions on generic issues (e.g. meetings, letters, etc.)

Conclusions

- The Nuclear Energy Institute is the industry's policy organization, representing our membership on key legislative and regulatory issues;
- 100,000+ nuclear industry workers use traditional units except for transportation of radioactive waste; and
- NRC and INPO define industry practices.

Thank You For Your Attention

