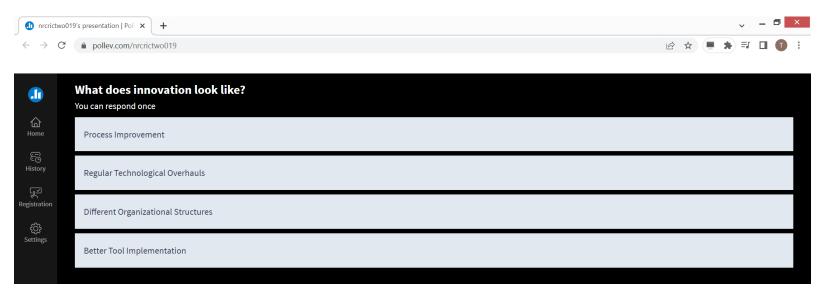
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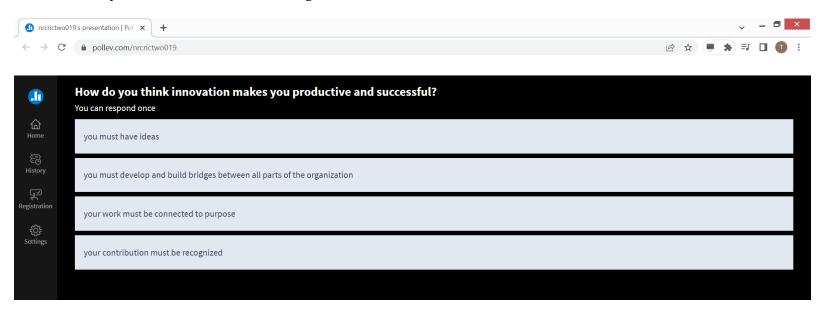
Please note, your responses are anonymous, and data will be presented in aggregate form. Again, thank you for your support of the RIC!

Session T6: Cultivating the Creativity of Innovation

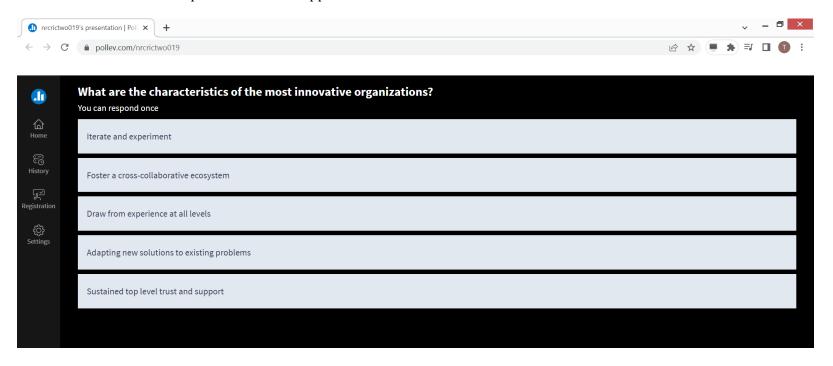
- 1. What does innovation look like?
 - a. Process Improvement
 - b. Regular Technological Overhauls
 - c. Different Organizational Structures
 - d. Better Tool Implementation



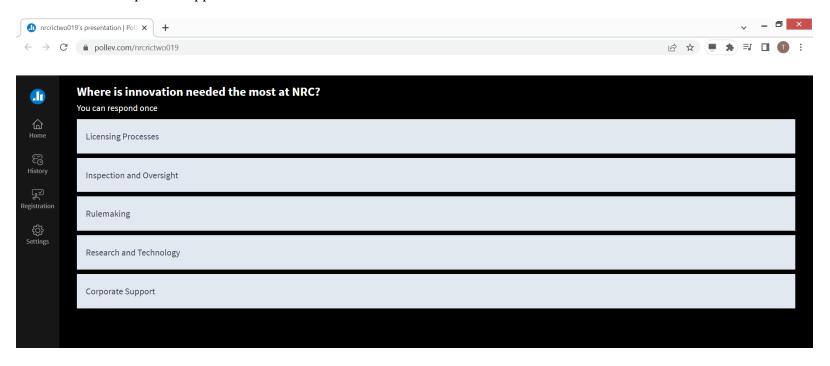
- 2. How do you think innovation makes you productive and successful?
 - a. you must have ideas
 - b. you must develop and build bridges between all parts of the organization
 - c. your work must be connected to purpose
 - d. your contribution must be recognized



- 3. What are the characteristics of the most innovative organizations?
 - a. Iterate and experiment
 - b. Foster a cross-collaborative ecosystem
 - c. Draw from experience at all levels
 - d. Adapting new solutions to existing problems
 - e. Sustained top level trust and support



- 4. Where is innovation needed the most at NRC?
 - a. Licensing Processes
 - b. Inspection and Oversight
 - c. Rulemaking
 - d. Research and Technology
 - e. Corporate Support



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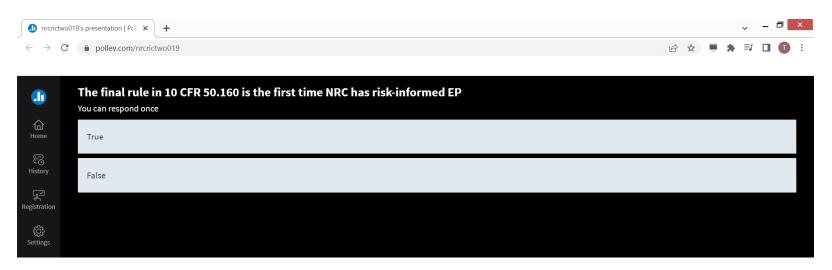
Please note, your responses are anonymous, and data will be presented in aggregate form. Again, thank you for your support of the RIC! Session W10: Enjoy the View – Let Emergency Preparedness Be Your Guide

Supporting Notes:

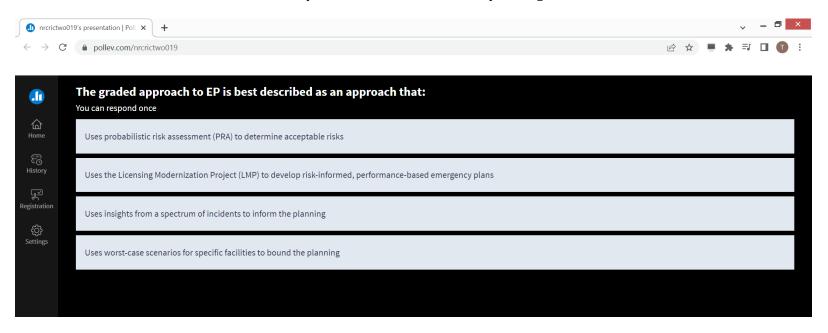
- 1. The questions are to inform the panel discussion so it is focused on topics which attendees may not fully understand.
- 2. The polling results will also be used to inform the agency's continuing communications on emergency planning requirements for small modular reactors and other nuclear technologies.
- 1. Compliance with NRC's emergency preparedness (EP) regulations provides reasonable assurance that:
 - a. safety goals and quantitative health objectives are met
 - b. protective measures can and will be taken in the event of a radiological emergency
 - c. public dose will not exceed 10 mSv (1 rem) TEDE over 96 hours
 - d. all of the above



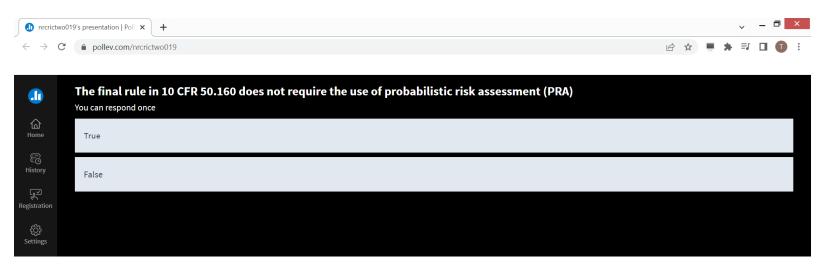
- 2. The final rule in 10 CFR 50.160 is the first time NRC has risk-informed EP
 - a. True
 - b. False



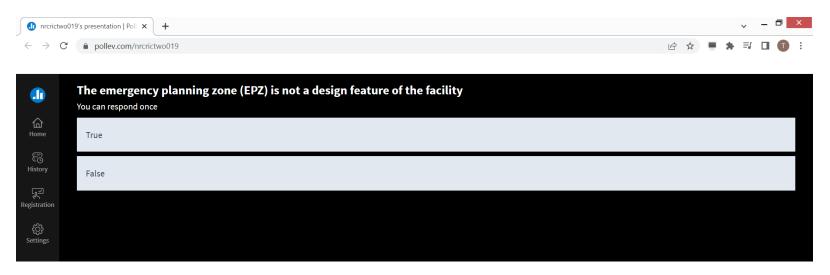
- 3. The graded approach to EP is best described as an approach that:
 - a. Uses probabilistic risk assessment (PRA) to determine acceptable risks
 - b. Uses the Licensing Modernization Project (LMP) to develop risk-informed, performance-based emergency plans
 - c. Uses insights from a spectrum of incidents to inform the planning
 - d. Uses worst-case scenarios for specific facilities to bound the planning



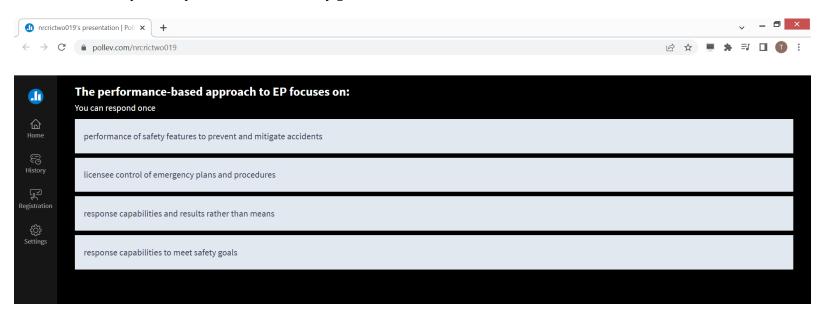
- 4. The final rule in 10 CFR 50.160 does not require the use of probabilistic risk assessment (PRA)
 - a. True
 - b. False



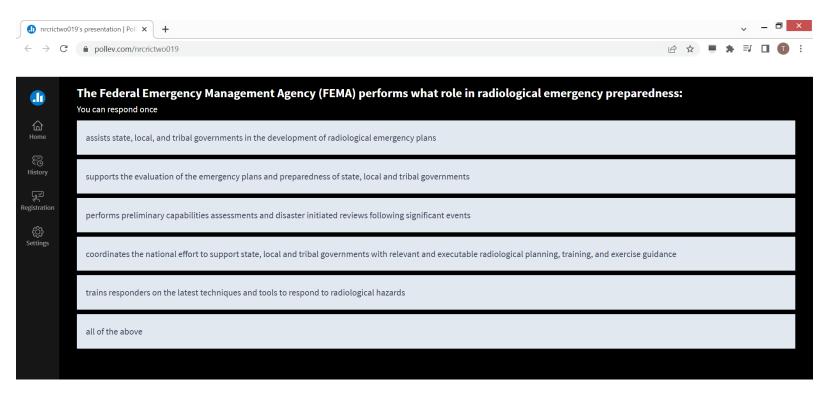
- 5. The emergency planning zone (EPZ) is not a design feature of the facility
 - a. True
 - b. False



- 6. The performance-based approach to EP focuses on:
 - a. performance of safety features to prevent and mitigate accidents
 - b. licensee control of emergency plans and procedures
 - c. response capabilities and results rather than means
 - d. response capabilities to meet safety goals



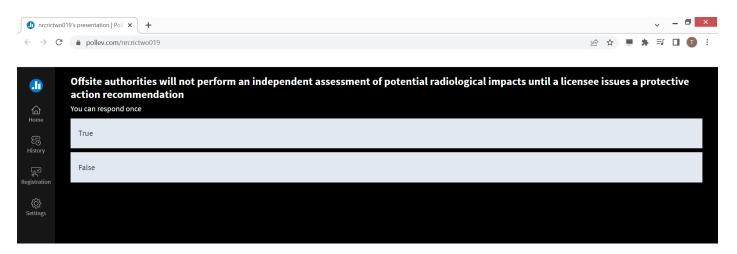
- 7. The Federal Emergency Management Agency (FEMA) performs what role in radiological emergency preparedness:
 - a. assists state, local, and tribal governments in the development of radiological emergency plans
 - b. supports the evaluation of the emergency plans and preparedness of state, local and tribal governments
 - c. performs preliminary capabilities assessments and disaster initiated reviews following significant events
 - d. coordinates the national effort to support state, local and tribal governments with relevant and executable radiological planning, training, and exercise guidance
 - e. trains responders on the latest techniques and tools to respond to radiological hazards
 - f. all of the above



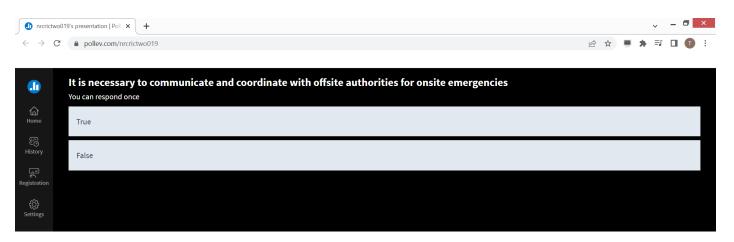
- 8. Protective actions could be needed outside an established EPZ
 - a. True
 - b. False



- 9. Offsite authorities will not perform an independent assessment of potential radiological impacts until a licensee issues a protective action recommendation
 - a. True
 - b. False



- 10. It is necessary to communicate and coordinate with offsite authorities for onsite emergencies
 - a. True
 - b. False



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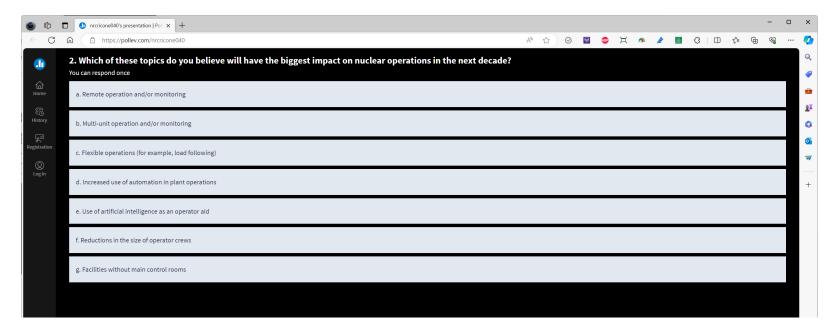
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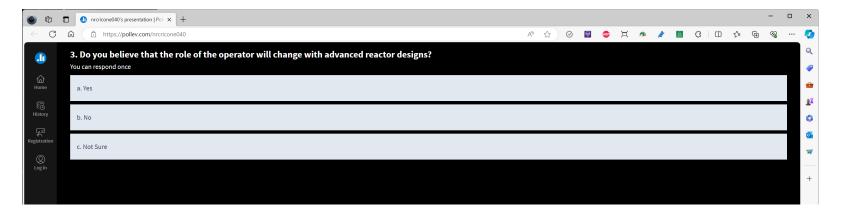
- 1. How familiar are you with the field of human factors?
 - a. I have no idea what that means.
 - b. Somewhat I have a general understanding.
 - c. Very I could have a conversation on the topic.
 - d. Extremely this is my field.



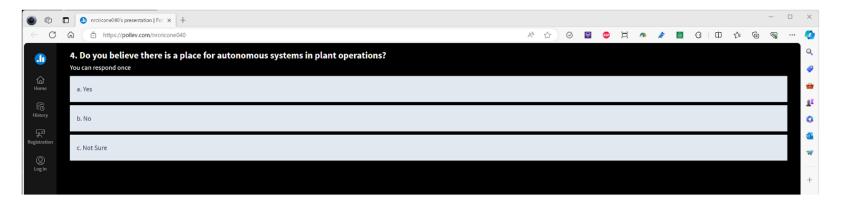
- 2. Which of these topics do you believe will have the biggest impact on nuclear operations in the next decade?
 - a. Remote operation and/or monitoring
 - b. Multi-unit operation and/or monitoring
 - c. Flexible operations (for example, load following)
 - d. Increased use of automation in plant operations
 - e. Use of artificial intelligence as an operator aid
 - f. Reductions in the size of operator crews
 - g. Facilities without main control rooms



- 3. Do you believe that the role of the operator will change with advanced reactor designs?
 - a. Yes
 - b. No
 - c. Not Sure



- 4. Do you believe there is a place for autonomous systems in plant operations?
 - a. Yes
 - b. No
 - c. Not Sure



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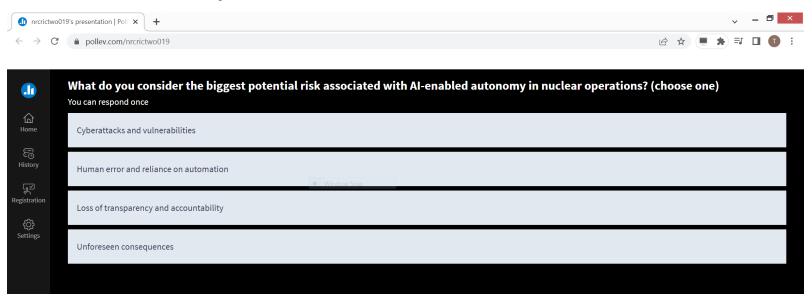
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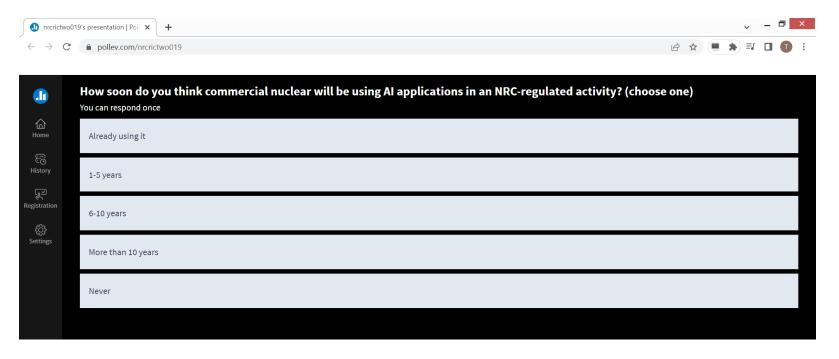
- 1. To what extent do you believe AI-enabled autonomy can positively impact safety and reliability in the nuclear industry? (choose one)
 - a. Extremely impactful
 - b. Moderately impactful
 - c. Slightly impactful
 - d. None



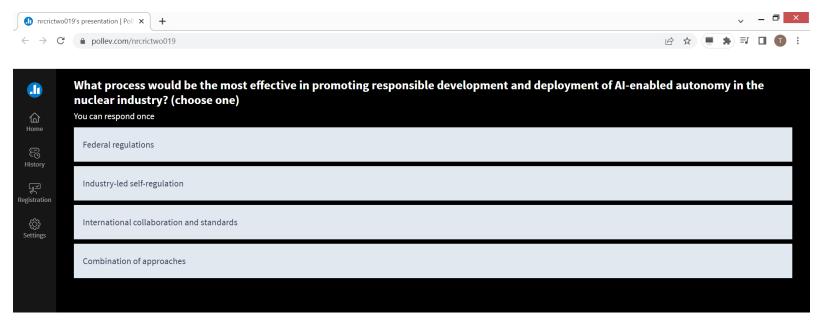
- 2. What do you consider the biggest potential risk associated with AI-enabled autonomy in nuclear operations? (choose one)
 - a. Cyberattacks and vulnerabilities
 - b. Human error and reliance on automation
 - c. Loss of transparency and accountability
 - d. Unforeseen consequences



- 3. How soon do you think commercial nuclear will be using AI applications in an NRC-regulated activity? (choose one)
 - a. Already using it
 - b. 1-5 years
 - c. 6-10 years
 - d. More than 10 years
 - e. Never



- 4. What process would be the most effective in promoting responsible development and deployment of AI-enabled autonomy in the nuclear industry? (choose one)
 - a. Federal regulations
 - b. Industry-led self-regulation
 - c. International collaboration and standards
 - d. Combination of approaches

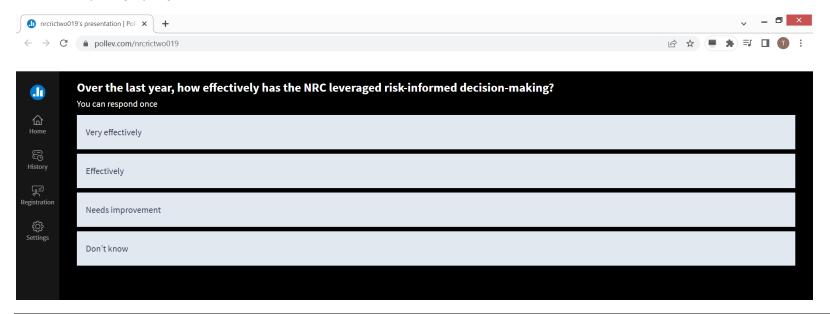


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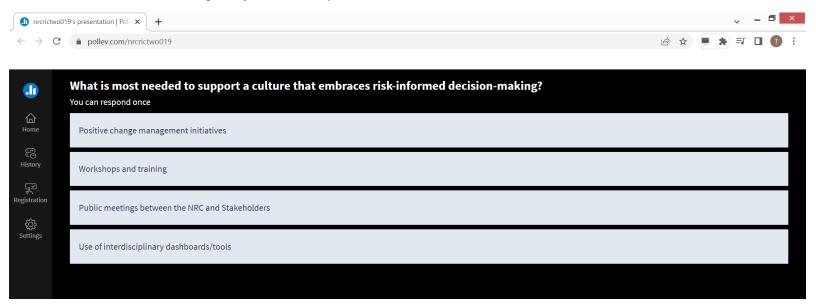
- 1. Over the last year, how effectively has the NRC leveraged risk-informed decision-making?
 - a. Very effectively
 - b. Effectively
 - c. Needs improvement
 - d. Don't know



- 2. Over the last year, how effectively have Industry and other External Organizations leveraged risk-informed decision-making?
 - a. Very effectively
 - b. Effectively
 - c. Needs improvement
 - d. Don't know



- 3. What is most needed to support a culture that embraces risk-informed decision-making?
 - a. Positive change management initiatives
 - b. Workshops and training
 - c. Public meetings between the NRC and Stakeholders
 - d. Use of interdisciplinary dashboards/tools

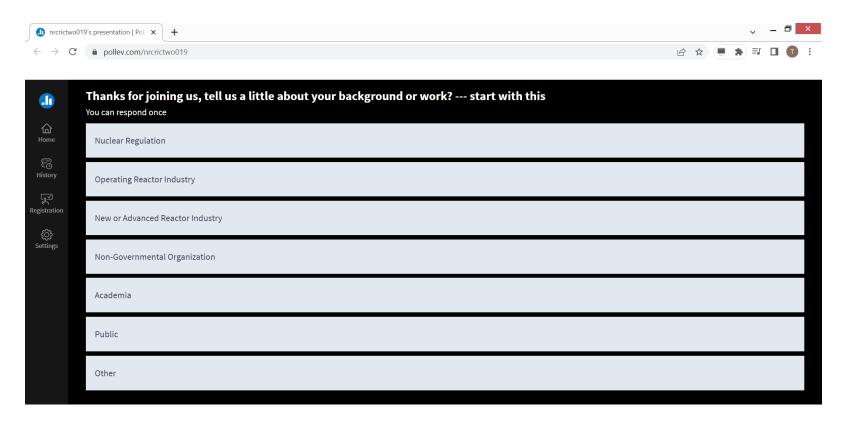


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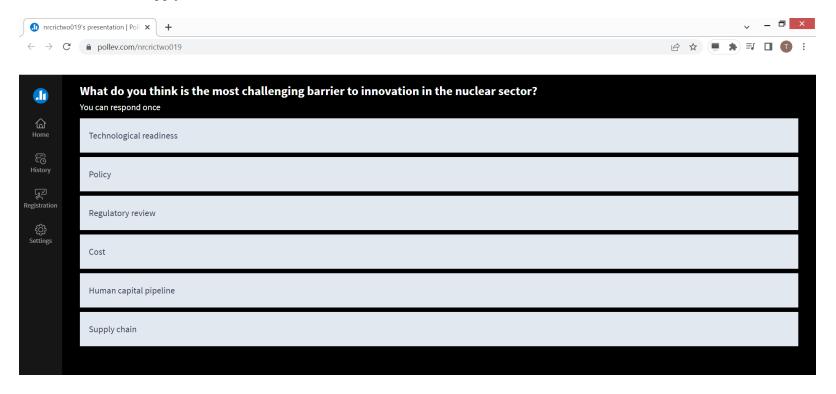
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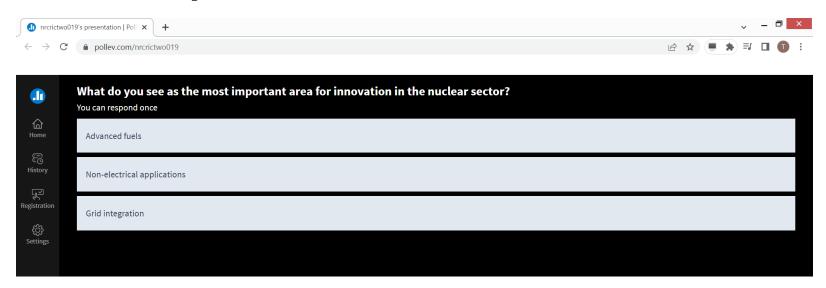
- 1. Thanks for joining us, tell us a little about your background or work? --- start with this
 - a. Nuclear Regulation
 - b. Operating Reactor Industry
 - c. New or Advanced Reactor Industry
 - d. Non-Governmental Organization
 - e. Academia
 - f. Public
 - g. Other



- 2. What do you think is the most challenging barrier to innovation in the nuclear sector?
 - a. Technological readiness
 - b. Policy
 - c. Regulatory review
 - d. Cost
 - e. Human capital pipeline
 - f. Supply chain



- 3. What do you see as the most important area for innovation in the nuclear sector?
 - a. Advanced fuels
 - b. Non-electrical applications
 - c. Grid integration



- 4. Do you think current national policy supports innovation in the nuclear sector?
 - a. Yes
 - b. No

