



Energy Efficiency & Renewable Energy



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Relevance and Value of QRA-informed Toolkit For Hydrogen Infrastructure and Applications

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Big Picture (highlighting value of Toolkit)

- ☐ Hydrogen connects and integrates renewables into the economy☐ Hydrogen enables renewable-based energy and mobility options
- Renewable Power H2 fuel Captive RE Session 1 Session 2 Session 3 Admixture Session 4 Natural Gas Grid Dispatchable Power Electrolyser Power Grid H2 storage H2 feedstock Low-carbon Heating Industry, Fuels

H2 industry is looking to QRA-informed tools to help establish a balance between safety and cost to achieve public acceptance

Summary

- ☐ Diverse group of H₂FC industry QRA-informed tools' users exists:
 - ✓ Codes & standards developers, engineers, insurers, AHJs
- □ Toolkit will enable better safety analysis by H₂FC industry and more robust RCS
- ☐ Toolkit being developed by collaborative effort of international partners will facilitate use of QRA-informed tools to enable renewable-based energy security and mobility options

THANK YOU FOR YOUR ATTENTION!



Questions / comments welcome!