

GAIN Community Engagement Resource Toolkit 2026

Nuclear 101:

- DOE How does a Reactor Work:
<https://www.energy.gov/ne/articles/nuclear-101-how-does-nuclear-reactor-work>
- ANS – Nuclear Energy – Fission and Fusion
<https://www.ans.org/nuclear/energy/>
- Nuclear Regulatory Commission (NRC) NUREG Nuclear Reactors:
<https://www.nrc.gov/docs/ML2505/ML25051A121.pdf>
- DOE – What is a Fast Reactor
<https://www.energy.gov/ne/articles/nuclear-101-what-fast-reactor>
- DOE – 7 things the Simpson’s got wrong
<https://www.energy.gov/ne/articles/7-things-simpsons-got-wrong-about-nuclear>
- DOE – Enhanced Safety Features:
<https://www.energy.gov/ne/enhanced-safety-advanced-reactors>
- DOE – What is Criticality
<https://www.energy.gov/ne/articles/what-criticality-and-7-other-misunderstood-nuclear-energy-terms>
- INL – Reactor Criticality Explainer
<https://inl.gov/nuclear-energy/reactor-criticality/>
- DOE Nuclear Fuel Cycle
<https://www.energy.gov/ne/nuclear-fuel-cycle>
- DOE – Uranium Enrichment
<https://www.energy.gov/ne/articles/uranium-enrichment-explained>
- What is a Nuclear Moratorium
<https://www.energy.gov/ne/articles/what-nuclear-moratorium>
- GAIN Advanced Nuclear Technology Overview
<https://gain.inl.gov/content/uploads/4/2026/06/GAIN-Advanced-Nuclear-Technology-Overview-Final.pdf>
- Pathways to Commercial Liftoff report aiming to establish a common fact base for advanced nuclear deployment:
<https://gain.inl.gov/content/uploads/4/2024/11/DOE-Advanced-Nuclear-Liftoff-Report.pdf>

Advantages and Challenges of Nuclear Energy

- DOE – Advantages and Challenges of Nuclear Energy
<https://www.energy.gov/ne/articles/advantages-and-challenges-nuclear-energy>
- DOE – 3 reasons why Nuclear is Clean and Sustainable
<https://www.energy.gov/ne/articles/3-reasons-why-nuclear-clean-and-sustainable>

Reactor Types:

- DOE Advanced Reactor Types:
https://www.energy.gov/sites/prod/files/2020/05/f74/Advanced-Reactor-Types_Fact-Sheet_Draft_Hi-Res_R1.pdf
- Nuclear Innovation Alliance (NIA) Advanced Nuclear Reactor Technology: A Primer:
<https://nuclearinnovationalliance.org/advanced-nuclear-reactor-technology-primer>
- NRC Information Digest - Nuclear Reactors:
<https://www.nrc.gov/docs/ML2505/ML25051A121.pdf>
- Third Way – Advanced Nuclear 101
<https://www.thirdway.org/report/advanced-nuclear-101>

NRC Role:

- NRC Overview:
<https://www.nrc.gov/docs/ML2023/ML20239A950.pdf>
- NRC Reactor Oversight Process:
<https://www.nrc.gov/docs/ML1621/ML16214A274.pdf>

Licensing Procedures:

- NRC Backgrounder: Nuclear Power Plant Licensing Process:
<https://www.nrc.gov/docs/ML0521/ML052170295.pdf>
- Early Site Permit Overview:
<https://gain.inl.gov/content/uploads/4/2024/12/Early-Site-Permit-Overview-Final.pdf>

Waste Management Systems:

- NRC Backgrounder on Dry Cask Storage of Spent Nuclear Fuel:
<https://www.nrc.gov/docs/ML0622/ML062200058.pdf>
- NRC Backgrounder on Storage of Spent Nuclear Fuel:
<https://www.nrc.gov/docs/ML0510/ML051080331.pdf>

- NRC Backgrounder on Radioactive Waste:
<https://www.nrc.gov/docs/ML0501/ML050110277.pdf>
- NRC Information Digest - Radioactive Waste:
<https://www.nrc.gov/docs/ML2505/ML25051A123.pdf>

Policy and State Activities:

- GAIN State Nuclear Policies document, a compilation of legislation and executive orders on nuclear:
<https://gain.inl.gov/content/uploads/4/2025/01/State-Nuclear-Policies.pdf>
- GAIN Analysis / Slides on State Feasibility Studies:
<https://gain.inl.gov/content/uploads/4/2025/09/State-Feasibility-Study-Analysis-and-Summaries.pdf>
- State Activities in Nuclear Overview:
<https://gain.inl.gov/content/uploads/4/2025/01/State-Activities-in-Nuclear-Overview-December-1-2025.pdf>

More broadly, this NRC page might be helpful to your task force members for **fact sheets and backgrounders on many topics:** <https://www.nrc.gov/reading-rm/doc-collections/fact-sheets/index>. Additionally, our Gateway for Accelerated Innovation in Nuclear (GAIN) website has a **searchable Resource Library:** <https://gain.inl.gov/our-work/community-engagement/community-engagement-resource-library/>.