

KY Nuclear Energy Development Workgroup

KY ENERGY AND ENVIRONMENT CABINET

SEPTEMBER 6, 2023



Etiquette Reminders

This meeting is considered a public meeting and has been advertised as such.

The meeting will be recorded and will be posted online. Recording will be available for those who registered or were not able to attend. Meeting transcripts will be used for the final report due December 1, 2023. Meeting materials and notes will be posted on a workgroup webpage.

Please stay muted if you are online and raise your hand to speak or comment.

Please be mindful of the time we have together and speak to move the conversation forward.

Please be respectful of other perspectives and speak with kindness and patience.

We are assembled to complete the specific tasks outlined for the workgroup.

Agenda (8:30am-12:30pm ET)

8:30-8:35 AM: Welcome Remarks and Introductions

8:35-8:50 AM: Review of SJR 79 Workgroup Tasks

8:50-9:05 AM: Clarification of Strawman Proposal and Concepts

9:05-10:00 AM: Discussion of Group Comments on Major Themes

10:00-10:15 AM: BREAK

10:15-11:15 AM: Structure of a Permanent Commission Authority Discussion

11:15-11:45 AM: Lunch Discussion

11:45 AM-12:30 PM: Draft Report Outline Discussion

Review of Workgroup Tasks

Workgroup Tasks

- 1) Identify the current barriers to the deployment of nuclear power generation resources and other related technologies in the Commonwealth
- 2) Develop recommendations for how a permanent nuclear energy organization could address the barriers to the deployment of nuclear power generation resources and other related technologies in the Commonwealth.
- 3) The Nuclear Energy Development Working Group shall submit a report to the Governor and to the Legislative Research Commission on or before December 1, 2023,
 - detailing all working group activity since its establishment and
 - providing recommendations for the creation of a permanent nuclear energy commission in state government,

3rd Workgroup Task Expanded

(5) The Nuclear Energy Development Working Group shall submit a report to the Governor and to the Legislative Research Commission on or before December 1, 2023,

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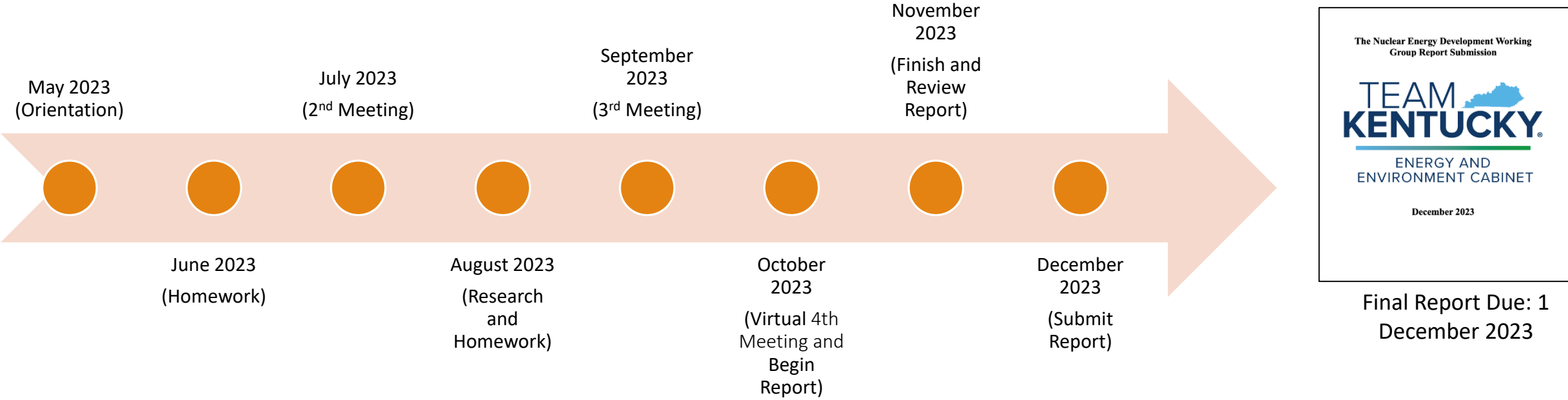
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detailing all working group activity since its establishment and providing recommendations for the creation of a permanent nuclear energy commission in state government, including recommendations regarding the placement of the commission in the organization of state government, the staffing needs of the commission, the mission statement and the short-term and long-term goals of the commission, and the role the commission can play in fostering the development of the nuclear power industry in the Commonwealth.

Source: SJR 79
(2023)

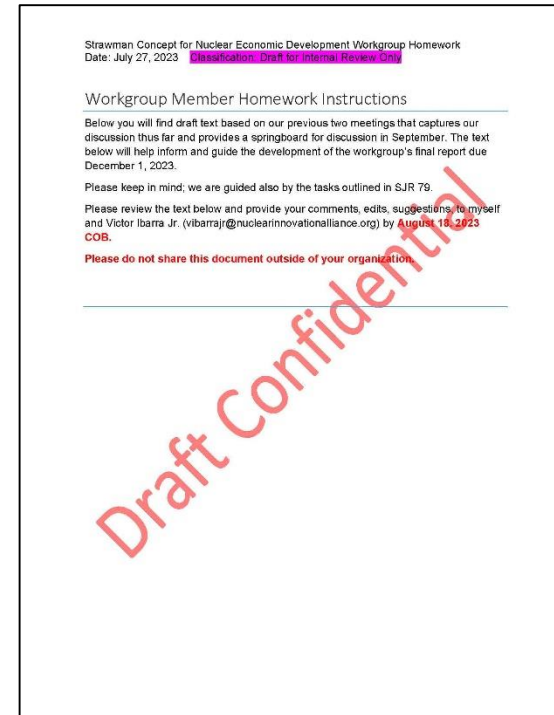
Proposed Workgroup Schedule



Strawman Proposal and Concepts

Some Clarity

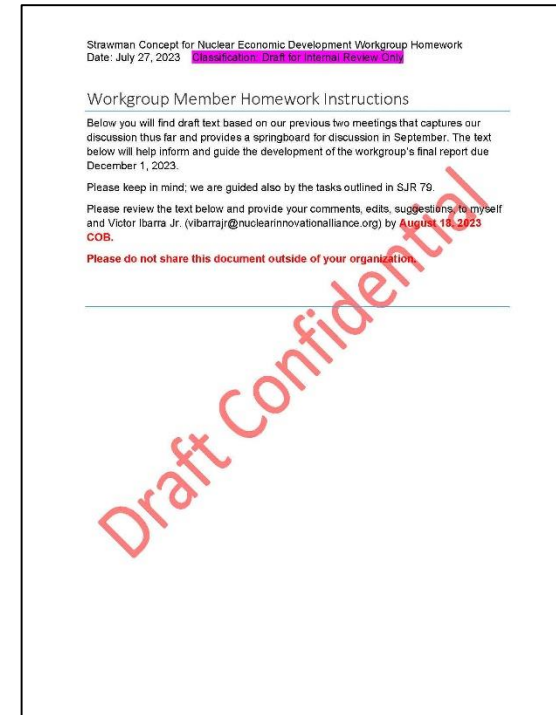
- This proposal was not the final report. The proposal had a lot in it to help spur discussion.
- Some comments received were related to organization of the document but we will discuss the reorganization of the proposal towards the end of the working meeting
- We are only authorized to make recommendations within the scope defined by the legislation – comments outside of the scope of our jurisdiction will be documented but not included as final recommendations



Strawman Proposal

Some Major Themes

- Focus of Strawman Proposal as laid out by SJR79
- Reorganization of the Strawman Proposal
- Clarity on the barriers and opportunities
 - Organization and Pacing of opportunities
 - What opportunities need a trigger event?
- Structure of Permanent Organization
- Too much emphasis on economic development?
- Confusion around community engagement
 - How to ensure proactive community engagement organization complements federal community engagement requirements
- Clarifying responsibility for public safety



Strawman Proposal

Developing the Mission Statement of the Commission

- Framing questions to help shape the Mission Statement of the Commission
 - What short- and mid-term goals are reasonable?
 - What long-term goals are reasonable?
 - What role can the commission play in fostering the development of nuclear energy industry in the Commonwealth

Short-Term Goals (~1-2 years)

- Some comments that we received:
 - Enabling nuclear energy siting through an Early Site Permit?
 - Building organizational capacity to support nuclear energy deployment?
 - How to proceed with proactive community engagement?
 - Clarifying the role of Paducah and other existing federal sites in Kentucky in nuclear energy development?
 - Understanding the range of state financial incentives applicable to nuclear energy development
 - Other comments?
- What are the commission's short-term goals, taking into account these comments?

Mid-to-Long Term Goals (~3+ years)

- Some comments that we received:

 - Workforce development is a long-term project
 - Greater certainty around the regulatory processes associated for nuclear
 - What does a CPCN for a nuclear project look like?
 - What would be the implications of a merchant nuclear facility?
 - What about a behind the meter microreactor?
 - Utilization of CWIP
 - Financial support for nuclear energy projects
 - Public confidence in nuclear energy
 - Attracting projects investments in KY
 - Providing opportunities across the Commonwealth
 - Other comments?
- What are the commission's long-term goals, taking into account these comments?

“The Role the Commission Can Play in Fostering the Development of the Nuclear Power Industry in the Commonwealth” (Slide 1 of 2)

- Some comments that we received:
 - The scope of the economic development activities at the Commission?
 - This organization will be a non-regulatory organization.
 - The role: don't duplicate Research and Development efforts that already happen in Kentucky (CAER)
 - Education and training: Should the Commission be responsible for education and training? Or just be a facilitator?
 - Should formal training take an “all of the above approach” and not focus on nuclear-specific training?
 - What should the pacing be given the uncertainty?

“The Role the Commission Can Play in Fostering the Development of the Nuclear Power Industry in the Commonwealth” (Slide 2 of 2)

- Some comments that we received (continued):
 - Community engagement and transparency
 - The public have typically had the opportunity to engage nuclear permitting through the NRC licensing process, but should there be a non-regulatory way to engage communities, and to what extent?
 - At what time should we begin engaging communities?
 - Should there be a priority to engage “energy communities” first?
 - Other comments?
 - Becoming a trusted resource in nuclear energy development
 - What are your suggestions?
- What role should the commission play, taking into account these comments?

Draft Mission Statement

“The mission of the Nuclear Energy Development Commission is to be the non-regulatory trusted agency on nuclear energy issues in the Commonwealth and to support the development of the nuclear energy ecosystem across the Commonwealth in a collaborative manner that enhances Kentucky's economy, offers benefits for all Kentuckians, including safety and environmental protection, and supports community voices”

Structure of Permanent Organization (Slide 1 of 2)

- Do you agree with a structure that is an Executive Director and a Board?
 - If so, what should be the makeup of the board?
 - Should we even recommend a very specific organization or be broad about who should be represented on the board?
 - Should the board be comprised of:
 - State Government
 - Local Government (different than an energy community representative)
 - Manufacturing
 - Utilities
 - Environmental NGOs
 - Nuclear Industry Ecosystem
 - Citizen
 - Energy Community representative

Structure of Permanent Organization (Slide 2 of 2)

- Placement of the Commission (within Government)
 - Administratively attached to Economic Development Cabinet?
- Staffing Needs?
 - How much “nuclear experience” would an Executive Director need? Or should the credentials of the ED be business focused?
- Funding?
 - Note: If state funds are appropriated, this organization would not be able to lobby

Duties of the Permanent Organization

Adopt by laws and regulations for the management and operation in order to carry out the Mission of the Commission

Develop and adopt a strategic plan for carrying out the purposes of the Commission

Develop and update annually a Nuclear Energy Economic impact analysis for the Commonwealth,

Develop an annual summary of its activities and achievements

Develop Recommendations for the support and expansion of the nuclear energy ecosystem in Kentucky to the Governor and the Chairmen of the House and Senate Committees on Appropriations and Revenue, and the Chairmen of the House and Senate Committees on Natural Resources and Energy and on Economic Development and Workforce

Draft Report Outline

- Section 1: Overview of Workgroup members and SJR 79 Directives
- Section 2: Workgroup Position Statement on “electricity generation technology agnostic approach in KY”
- Section 3: Introduction to Kentucky’s Unique Energy Landscape
- Section 4: Nuclear Energy’s Value Proposition
- Section 5: Defining the Nuclear Energy Ecosystem
- Section 6: Value Proposition
- Section 7: Workgroup Consensus Statement on how we’re approaching nuclear development
- Section 8: Workgroup Activity
 - Barrier Identification and Opportunities for the permanent organization
 - Near term
 - Long term
 - Trigger Event Action Items
 - Specific Recommendations for the Permanent Nuclear Energy Development Commission Authority
- Section 9: Framework for the Creation of the Permanent Nuclear Energy Organization

Questions

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