

Deploying A World-Renowned Advanced Nuclear Industry in Texas Report Summary:

The Texas ANRWG (Advanced Nuclear Reactor Working Group), formed at Governor Greg Abbott's direction, wrote this report as a response to a 2023 letter from the governor.

Introduction: Texas is an existing nuclear state, with 4 power reactors, 5 Gen IV reactors to be built before 2030, uranium mining, nuclear medicine, and higher education programs in nuclear. The intro covers the advantages of nuclear power in general and for Texas in particular, reactor safety, commercial viability, potential barriers to deployment, siting opportunities, and the idea of Texas as a flagship state for advanced nuclear.

7 Legislative Recommendations:

- Texas Advanced Nuclear Authority; *A non-regulatory entity to coordinate Texas' strategic nuclear vision, implement ANR policy recommendations, and manage potential funds and oversight of state nuclear incentive programs.*
- Texas Nuclear Permitting Officer; *A single point of contact for ANR developers and associated businesses to navigate permitting.*
- Workforce Development Program for Community Colleges and Universities; *Coordination plan between workforce, education, and industry to support a homegrown nuclear workforce in Texas capable of meeting ANR industry and Texas energy demand.*
- Texas Advanced Manufacturing Institute; *Designed to develop and foster a nuclear ecosystem in Texas.*
- Texas Nuclear Public Outreach Program; *A communications and public engagement plan to inform and educate Texans about the benefits of ANR's and reactor development.*
- Texas Nuclear Energy and Supply Chain Fund; *A direct grant cost-sharing program to incentivize early development and siting, and support supply chain and manufacturing capacity readiness.*
- Texas Nuclear Energy Fund; *An appropriation to a fund, modelled after the existing Texas Energy Fund, explicitly for ANR's to overcome the funding valley project developers face in Texas.*

Items for Further Consideration:

- Nuclear Grid Interconnection Costs
- Nuclear Energy Credits
- Matching Program for Blended Power Purchase Agreements
- Provisional "Certificates of Convenience and Necessity" (CCN) With Recovery of "Construction in Progress" (CWIP) for Non-ERCOT Utilities
- Military Advanced Nuclear Incentive Program
- Demonstration Projects
- Delegation of ANR Early Site Permitting to States, and Require the NRC to Accept the Use of State Data and Advanced Tools to Reduce Costs and Time for Permits

Conclusion: Texas is well-positioned to lead the country in the development and deployment of Advanced nuclear.