FINANCIAL INCENTIVES POLICY LEVERS								
Name	**Policy Type**	**Subcategory**	**Industry Sector**	**State**	**Purpose**	**Result**	**Significance**	**Hyperlink**
Solar Market Development Credit	Tax Credits and Exemptions	Consumer/Commercial	Solar	NM	Offsetting equipment and installation costs.	30% tax credit (capped at $15k per taxpayer).	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
35 Illinois Compiled Statutes 10 Economic Development for a Growing Economy Tax Credit Program	Tax Credits and Exemptions	Corporate income tax credit	General industrial / energy manufacturing	IL	Offers corporate income tax credits tied to job creation and capital investment.	Competes directly with other states for large industrial projects through flexible deal structuring.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
Critical Industry Program	Direct Grants and Appropriations	Gap Financing	Semiconductors	MI	Capital for "critical" high-tech manufacturing.	Direct cash grants for large-scale job creation.	Critical for getting FOAK projects to a real investment decision by bridging early capital gaps that private markets won't cover alone.	Link
Texas Alternative Fueling Facilities Program (AFFP)	Direct Grants and Appropriations	Grant	LNG / CNG infrastructure	TX	Provides grants for LNG/CNG fueling infrastructure	De-risks early infrastructure buildout and enables downstream market adoption.	Critical for getting FOAK projects to a real investment decision by bridging early capital gaps that private markets won't cover alone.	Link
Industrial Development Bonds	Low-Interest Loans and Loan Guarantees	Infrastructure	Geothermal	WY	Low-interest debt for energy infrastructure.	Tax-exempt financing for plant construction.	Directly addresses nuclear's biggest constraint—cost of capital—by making large, long-duration projects financeable.	Link
Innovation Ohio Loan Fund	Low-Interest Loans and Loan Guarantees	Infrastructure	Semiconductors	OH	Low-interest loans for tech supply chains.	Acquisition and construction financing for suppliers.	Directly addresses nuclear's biggest constraint—cost of capital—by making large, long-duration projects financeable.	Link
APEX Program	Tax Credits and Exemptions	Investment Credit	Semiconductors	KS	Incentivizing $1B+ investments in tech.	Corporate tax exemptions and payroll rebates.	Critical for getting FOAK projects to a real investment decision by bridging early capital gaps that private markets won't cover alone.	Link
Quality Jobs Program	Cost-Recovery and Revenue Support Mechanisms	Job Creation	LNG, Solar, Wind	OK	Quarterly cash incentives for growth.	Cash payments for up to 10 years of operations.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
New York Green CHIPS Program	Tax Credits and Exemptions	Layered tax credits (investment, R&D, jobs)	Semiconductors	NY	Offers layered tax credits (investment, R&D, jobs) through Excelsior.	Secured Micron's $100B fab commitment by stacking incentives tied to job creation and in-state activity.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
SolSmart Funding	Cluster and Supply-Chain Development Programs	Led by IREC and ICMA, funded by US DOE Solar Energy Technologies Office	Solar	FED	Two part process: no-cost technicial assistance to help local govs and SolSmart designations (communities)	Over 600 local govs in 45 states have SolSmart designation (1 in 3 Americans)	Tackles execution risk by improving build certainty, shortening timelines, and enabling repeatable deployment.	Link
Phoenix and Chandler infrastructure packages for TSMC/Intel (Federal CHIPS Act)	Cluster and Supply-Chain Development Programs	Local infrastructure grants / in-kind capital	Semiconductors	AZ	Fund roads, sewers, and water systems to support mega-fab siting and expansion.	Phoenix committed about 200 million, Chandler considered about 30 million, demonstrating that local infrastructure spending is decisive in landing advanced manufacturing facilities.	Tackles execution risk by improving build certainty, shortening timelines, and enabling repeatable deployment.	Link
DREAMS Act	Tax Credits and Exemptions	Megaproject Incentive	Semiconductors	IN	Aims to attract high-CapEx semiconductor fabs.	Up to 100% tax liability offset for R&D/Equipment.	Critical for getting FOAK projects to a real investment decision by bridging early capital gaps that private markets won't cover alone.	Link
Quality Jobs Program	Cost-Recovery and Revenue Support Mechanisms	Payroll/Sales Tax	LNG	LA	Incentivizing high-wage energy job creation.	Up to 6% annual payroll rebate for 10 years.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
Georgia Job Tax Credit (Tiered)	Tax Credits and Exemptions	Per-job tax credit	General industrial / energy manufacturing	GA	Provides per-job tax credits, higher in economically distressed regions.	Steers industrial siting toward rural areas while lowering labor-related costs.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
Transformative JDIG	Direct Grants and Appropriations	Performance-Based	Wind, Solar	NC	Attracting multi-billion dollar clean energy hubs.	30-year cash grants for 3,000+ jobs created.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
New York Excelsior Jobs Program	Tax Credits and Exemptions	Performance-based tax credit	Energy & Manufacturing (general, can include multiple sectors)	NY	Performance-based tax credits tied to job creation, investment, and wages.	Aligns incentives with long-term economic activity rather than upfront subsidies.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
Louisiana Industrial Tax Exemption Program (ITEP)	Tax Credits and Exemptions	Property tax exemption	LNG / Petrochemical	LA	Allows up to ~80–93% property tax exemption for industrial facilities	Significantly boosts project IRR for LNG and petrochemical developers, driving Gulf Coast concentration.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
CA Senate Bill 710 Solar Property Tax Exclusion	Tax Credits and Exemptions	Property tax exemption (for solar PV equipment)	Solar	CA	Exclude solar PV systems from property tax assessments beyond the prior 2027 sunset, protecting existing and future adopters from higher tax burdens.	Eliminated the sunset date to preserve the exclusion at a time when about 35 of California's electricity is generated by solar and 25 of homes have panels, avoiding a major cost shock.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
WY House Bill 213 Energy Production Inventory Exemption	Tax Credits and Exemptions	Property tax exemption on inventory	Fossil Energy / Natural Resources	WY	Exempt stored energy products from property taxes before they are deployed, reducing carrying costs for long-lead, capital-intensive projects.	Particularly attractive for advanced nuclear projects with long pre-operation timelines, directly reducing non-productive holding costs.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
TX House Bill 5 Texas JETI Act	Tax Credits and Exemptions	Property tax limitation	General energy & manufacturing (including large-scale energy projects)	TX	Provides a 10-year school district M&O property tax limitation for large projects.	Dramatically lowers upfront costs and has become a primary tool for attracting energy and manufacturing megaprojects to Texas.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
OH House Bill 197 Job Creation Tax Credit (JCTC)	Tax Credits and Exemptions	Refundable tax credit (payroll-based)	General industrial / energy manufacturing	OH	Refundable tax credit based on payroll generated by new jobs.	Incentivizes sustained employment growth tied to large-scale industrial projects.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
Residential Solar/Wind Credit	Tax Credits and Exemptions	Residential	Solar, Wind	AZ	Reducing upfront costs for renewable adoption.	25% state tax credit + property tax exclusion.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link

California Sales & Use Tax Exemption *(Manufacturing Equipment)*	Tax Credits and Exemptions	Sales & use tax exemption	General manufacturing / renewable energy equipment	CA	Partial exemption on state sales tax for manufacturing and R&D equipment purchases.	Reduces capital costs for facility buildout and incentivizes in-state manufacturing siting.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
Texas Sales & Use Tax Exemption for Semiconductor Manufacturing Equipment	Tax Credits and Exemptions	Sales & use tax exemption	Semiconductors / Hydrocarbons	TX	Exempt cleanroom and fab-related equipment from state sales tax to reduce capex for fabs; directly transferable to nuclear fuel fabrication and controlled environments.	Eliminates up to roughly 6.25 of state sales tax on billions in equipment, materially lowering effective capital costs and improving project economics.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
Renewable Energy Tax Abatement	Tax Credits and Exemptions	Sales/Property Tax	Geothermal, Wind, Solar	NV	Reducing operational costs for utility-scale plants.	20-year reduction in sales and property taxes.	Moves nuclear closer to investable parity by improving returns in spite of high upfront capital intensity.	Link
TX House Bill 265 & 188 Proposed Texas Severance-Tax Infrastructure/Community Funds	Cost-Recovery and Revenue Support Mechanisms	Severance-tax–funded infrastructure/quality-of-life grants	Oil	TX	Redirect 10 of severance tax revenue (approx. 250–500 million/year) to oil-producing counties for infrastructure, emergency services, healthcare, education, and workforce development.	Bills did not pass but illustrate a replicable fiscal mechanism for dedicating production-based revenues to community and infrastructure support for energy deployment.	Tackles execution risk by improving build certainty, shortening timelines, and enabling repeatable deployment.	Link
WA Senate Bill 6039 Geothermal Energy Resources	Direct Grants and Appropriations	State grant / cost-sharing program	Geothermal	WA	Improve geothermal deployment via better survey data, competitive lease rates, and a cost-sharing grant program to de-risk exploration.	Establishes a formal state grant mechanism for exploration, explicitly targeting high-risk early-stage costs that previously deterred investors.	Critical for getting FOAK projects to a real investment decision by bridging early capital gaps that private markets won't cover alone.	Link
Texas Semiconductor Innovation Fund (TSIF)	Direct Grants and Appropriations	State grant / matching capital	Semiconductors	TX	State grant fund providing matching capital for semiconductor manufacturing and R&D.	Closes financing gaps and crowds in private investment for capital-intensive facilities.	Tackles execution risk by improving build certainty, shortening timelines, and enabling repeatable deployment.	Link
House Bill 14 Texas Advanced Nuclear Energy Office	Direct Grants and Appropriations	State grant / reimbursable capital support	Advanced nuclear	TX	Provide reimbursable grants and construction-cost reimbursement for new nuclear reactor projects, and fund permitting coordination.	Initially capitalized at about 350 million, signaling a landmark commitment to advanced nuclear and directly offsetting FOAK capital and soft costs.	Critical for getting FOAK projects to a real investment decision by bridging early capital gaps that private markets won't cover alone.	Link
Texas County Transportation Infrastructure Fund	Direct Grants and Appropriations	State grant program	Oil / Gas / Other large energy projects	TX	Provide grants to energy-impacted counties for highway and road repair to support logistics for oil, gas, and analogous large energy projects.	Distributed about 224.5 million in grants; a legislative report concluded that failing to support this infrastructure would constrain the energy sector itself.	Tackles execution risk by improving build certainty, shortening timelines, and enabling repeatable deployment.	Link
New York FAST NY Program	Cluster and Supply-Chain Development Programs	State grant program for shovel-ready sites	Semiconductors/ Clean Tech	NY	Maintain a pipeline of shovel-ready industrial tracts with completed environmental reviews and utility connections	Provides 100 million to keep an inventory of shovel-ready tracts, directly compressing site development schedules.	Tackles execution risk by improving build certainty, shortening timelines, and enabling repeatable deployment.	Link
Illinois Thermal Energy Networks (TENs) Pilot Grants	Direct Grants and Appropriations	State grant program for thermal networks	Thermal/ Geothermal	IL	Fund pilot Thermal Energy Network projects to support decarbonized heating and cooling infrastructure.	A 20 million pilot program, indicating a sizable state-backed grant model that can be analogized to district-heat-capable advanced nuclear.	Critical for getting FOAK projects to a real investment decision by bridging early capital gaps that private markets won't cover alone.	Link
OR Senate Bill 4 CHIPS Act	Direct Grants and Appropriations	State Matching	Semiconductors	OR	Funding for site prep and federal matching grants.	$210M dedicated fund for facility expansion.	Tackles execution risk by improving build certainty, shortening timelines, and enabling repeatable deployment.	Link
Energy Matching Fund (EMF)	Direct Grants and Appropriations	State matching capital fund	Energy / Natural Resources	WY	Co-invest with private developers in large energy projects, including advanced nuclear, to de-risk early projects and leverage private capital.	Provides about 155 million for co-investment, enhancing project bankability and signaling state support for advanced nuclear deployment.	Critical for getting FOAK projects to a real investment decision by bridging early capital gaps that private markets won't cover alone.	Link
New York POWER UP Grant Program	Cluster and Supply-Chain Development Programs	State-funded site readiness / power infrastructure investment	Semicondutors / Other industry	NY	Invest in grid and power infrastructure to create "power-ready" industrial sites ahead of company siting decisions.	Allocated 300 million for power-ready sites, potentially shaving years off infrastructure build timelines for large projects.	Critical for getting FOAK projects to a real investment decision by bridging early capital gaps that private markets won't cover alone.	Link

REGULATORY & PERMITTING STRUCTURES POLICY LEVERS								
Name	**Policy Type**	**Subcategory**	**Industry Sector**	**State**	**Purpose**	**Result**	**Significance:**	**Source:**
House Bill 14 Texas Advanced Nuclear Energy Office	Statute	Permitting Coordination and Process Streamlining	Nuclear	TX	Creates a statewide coordinating office and allows a nuclear permitting coordinator to act as a single point of contact through the state regulatory process.	Texas now has a formal structure for state-side navigation of nuclear permitting, plus a fund and a completion grant framework tied to deployment.	State that coordinate with agencies and cut regulatory overlap, allowing the nuclear industry to have a more predictable path to construction and commercialization.	Link
Senate Bill 1061 Uranium Mining Production Area Authorization	Statute	Fuel-Cycle and Supply-Chain Enablement	Nuclear	TX	Simiplifies procedural requirements for unranium mining production area authorization and address repetitive review steps.	Gives more regulatory certainty on the upstream fuel side, which matters because fuel remains the biggest supply chain bottleneck from our interviews.	States that help unlock uranium, conversion, fabrication, or related approvals, strengthening the full ecosystem the nuclear energy industry depends on.	Link
Texas A&M System RELLIS Early Site Permit Pre-Application	Institutional Permitting Pathway	Siting and Site Readiness	Nuclear	TX	Moves a multi-reactor site through early NRC engagement before full project buildout.	Gives Texas a research-and-demonstration site with a faster front-end path for several advanced reactor developers.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
Clinch River SMR Early Site Permit	Federal-state siting precedent	Siting and Site Readiness	Nuclear	TN	Locks in site suitability and environmental review work before full construction approval.	Clinch River remains the nation's strongest early-site precedent for SMRs and now supports TVA's next licensing step.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
TVA Clinch River Construction Permit Application	Project Licensing Milestone	Licensing Pathways and Regulatory Certainty	Nuclear	TN	Advances from early site approval into the formal construction permit phase for a BWRX-300 SMR.	Shows a real bridge from site readiness to full licensing review, which is the kind of progression other states want to copy.	States with clear rules improve investor confidence, strengthen internal planning, and help the nuclear industry prioritize states where deployment is realistic rather than speculative.	Link
Hermes Test Reactor Construction Permit	NRC Construction Permit	Licensing Pathways and Regulatory Certainty	Nuclear	TN	Approves the construction of Kairos Power's Hermes test reactor in Oak Ridge.	Gives the sector a live example of an advanced non-light-water reactor moving through the U.S. licensing system. Your Kairos interview notes tie this directly to Oak Ridge and DOE-linked siting advantages.	States with clear rules improve investor confidence, strengthen internal planning, and help the nuclear industry prioritize states where deployment is realistic rather than speculative.	Link
Hermes 2 Test Reactor Facility Construction Permits	NRC Construction Permit	Licensing Pathways and Regulatory Certainty	Nuclear	TN	Extends the Hermes pathway into a larger follow-on test facility.	Shows repeatability in the licensing path, which is important for proving that advanced reactor permitting does not have to stay one-off.	States with clear rules improve investor confidence, strengthen internal planning, and help the nuclear industry prioritize states where deployment is realistic rather than speculative.	Link
House Bill 74 Small Modular Nuclear Reactor Permitting	Statute	Siting and Site Readiness	Nuclear	WY	Authorizes state permits for SMRs and expressly allows replacement of coal generation with SMR capacity.	Wyoming became one of the clearest early state models for coal-site conversion and SMR permitting alignment. The literature review flags this as a key state case.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
Kemmerer Power Station Unit 1 Construction Permit Review	Project Licensing Milestone	Licensing Pathways and Regulatory Certainty	Nuclear	WY	Moves TerraPower's Natrium reactor through environmental and safety review at a retiring coal site.	NRC issued the first commercial advanced reactor construction approval of its kind in decades, which gives Wyoming a headline project and a real permitting template.	States with clear rules improve investor confidence, strengthen internal planning, and help the nuclear industry prioritize states where deployment is realistic rather than speculative.	Link
House Bill 249 Nuclear Power Amendments	Statute	Licensing Pathways and Regulatory Certainty	Nuclear	UT	Creates the Nuclear Energy Consortium, the Utah Energy Council, a process for electrical energy development zones, and an investment fund.	Utah built a statewide coordination structure that blends siting, governance, and investment support rather than waiting for project-by-project action.	States with clear rules improve investor confidence, strengthen internal planning, and help the nuclear industry prioritize states where deployment is realistic rather than speculative.	Link
170 Indiana Code 4-11 SMR Certification Requirements	Utility Commission Rule	Licensing Pathways and Regulatory Certainty	Nuclear	IN	Sets requirements for utility certification related to the construction, purchase, or lease of SMRs.	Gives Indiana a cleaner regulatory path at the utility commission level, which helps with front-end project certainty.	States with clear rules improve investor confidence, strengthen internal planning, and help the nuclear industry prioritize states where deployment is realistic rather than speculative.	Link
Senate Bill 454 SMR Development Cost Recovery	Statute	Market Signaling and Pre-Development Risk Reduction	Nuclear	VA	Lets electric utilities recover certain development costs tied to SMRs, including early siting-related work.	Reduces utility hesitation during the pre-construction stage, where regulatory costs often pile up before a final build decision.	States that lower pre-development risk make it easier for the nuclear energy industry to justify moving from concept to siting, licensing, and construction.	Link
Senate Bill 179 Nuclear Energy Development Grant Program	Statute	Market Signaling and Pre-Development Risk Reduction	Nuclear	KY	Expands the Kentucky Nuclear Energy Development Authority's role and funds grants across the nuclear ecosystem, including siting and supply chain activity.	Kentucky now has a standing state entity with grant authority and a clearer institutional home for nuclear project development.	States that lower pre-development risk make it easier for the nuclear energy industry to justify moving from concept to siting, licensing, and construction.	Link
Senate Bill 57 Nuclear Reactor Site Readiness Pilot Program	Statute *Pending*	Siting and Site Readiness	Nuclear	KY	Supports early site permits, construction permits, and combined operating licenses with state funding and utility cost-recovery tools.	This is one of the sharpest state models for attacking the nuclear front-end permitting cost problem. As of late March 2026, it had been delivered to the governor.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
220 Illnois CS 5/8-406 and pending moratorium repeal bills	Statute *Pending*	Licensing Pathways and Regulatory Certainty	Nuclear	IL	Illinois now allows new reactors of 300 MW or less if the developer secures the required permit stack, but larger reactors remain blocked unless the moratorium language is repealed.	Useful opening for microreactors and some SMRs, but still a structural barrier for larger projects.	States with clear rules improve investor confidence, strengthen internal planning, and help the nuclear industry prioritize states where deployment is realistic rather than speculative.	Link
Long Mott Generating Station Xe-100 Construction Permit Application	Project Licensing Milestone	Licensing Pathways and Regulatory Certainty	Nuclear	TX	Moves a four-unit Xe-100 project at Dow's Seadrift site into formal NRC construction review.	The NRC accepted the application for review in 2025, which put Texas into the front rank of advanced reactor licensing activity and created a live model for industrial-site nuclear deployment.	States with clear rules improve investor confidence, strengthen internal planning, and help the nuclear industry prioritize states where deployment is realistic rather than speculative.	Link
TRISO-X TX-1 Special Nuclear Material License	Fuel Facility Licensing Milestone	Fuel-Cycle and Supply-Chain Enablement	Nuclear	TN	Authorizes TRISO-X to possess and use special nuclear material at its Oak Ridge fuel fabrication facility.	This is one of the clearest examples of front-end fuel-cycle permitting moving forward alongside reactor deployment, which matters because fuel remains the biggest bottleneck identified in your interviews.	States that help unlock uranium, conversion, fabrication, or related approvals, strengthening the full ecosystem the nuclear energy industry depends on.	Link

Name	Policy Type	Subcategory	Industry Sector	State	Purpose	Result	Significance:	Source:
Cascade Advanced Energy Facility Xe-100 Construction Permit Application	Project Licensing Milestone	Licensing Pathways and Regulatory Certainty	Nuclear	WA	Advances another Xe-100 project into the federal licensing pipeline, tied to the Pacific Northwest.	NRC status materials show the project in the advanced reactor licensing queue, which gives Washington a credible permitting foothold even before construction approval is issued.	States with clear rules improve investor confidence, strengthen internal planning, and help the nuclear industry prioritize states where deployment is realistic rather than speculative.	Link
North Anna Early Site Permit Renewal	NRC Site Licensing Milestone	Siting and Site Readiness	Nuclear	VA	Preserves an already-licensed site option for future new nuclear development.	NRC status materials list North Anna as an active early-site-permit renewal item, which keeps Virginia in the small group of states with banked nuclear siting work already done.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
Grand Gulf Early Site Permit	NRC Site Licensing Precedent	Siting and Site Readiness	Nuclear	MS	Establish a pre-approved site pathway for potential new reactor development at Grand Gulf.	NRC information digests continue to list Grand Gulf among the few sites with issued early site permits, making Mississippi one of the strongest legacy examples of front-end siting readiness.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
Senate Bill 57 Nuclear Reactor Site Readiness Pilot Program	Statute or Near-Final Legislation	Siting and Site Readiness	Nuclear	KY	Supports early site permits, construction permits, and combined licenses through a state-backed readiness program.	The bill text explicitly targets ESP, CP, and COL work, making Kentucky one of the sharpest state examples of attacking nuclear's front-end licensing cost problem.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
WV Senate Bill 1001 Nuclear Lifecycle and Advanced Fuel Cycle Development	Statute *Pending*	Fuel-Cycle and Supply-Chain Enablement	Nuclear	WV	Creates a state framework around enrichment, fabrication, recycling, transportation, and related advanced nuclear fuel-cycle activity.	It is still proposed, but it is notable because it goes beyond reactor siting and tries to build a state policy shell around the full nuclear lifecycle.	States that help unlock uranium, conversion, fabrication, or related approvals, strengthening the full ecosystem the nuclear energy industry depends on.	Link
WV House Bill 942 Advanced SMR and Microreactor Certification	Statute *Pending*	Licensing Pathways and Regulatory Certainty	Nuclear	WV	Would create a Public Service Commission certification route for advanced SMRs and microreactors.	This is a useful emerging model because it tries to give developers a dedicated state approval path instead of forcing them through legacy utility frameworks.	States with clear rules improve investor confidence, strengthen internal planning, and help the nuclear industry prioritize states where deployment is realistic rather than speculative.	Link
New Nuclear Certificate-of-Need Ban	Statutory Prohibition	Licensing Pathways and Regulatory Certainty	Nuclear	MN	Bars the commission from issuing a certificate of need for a new nuclear-powered electric generating plant.	This is a clear live barrier. Even with renewed interest, Minnesota still has a statutory block on new nuclear plant construction unless the law changes.	States with clear rules improve investor confidence, strengthen internal planning, and help the nuclear industry prioritize states where deployment is realistic rather than speculative.	Link
Nuclear Plant Moratorium	Statutory Moratorium	Licensing Pathways and Regulatory Certainty	Nuclear	CA	Prevents new nuclear fission thermal powerplants from being certified until waste disposal conditions set in state law are met.	California remains one of the strongest examples of a state-level barrier in the permitting space because the moratorium still constrains new plant approvals even though the state is otherwise aggressive on clean energy buildout.	States with clear rules improve investor confidence, strengthen internal planning, and help the nuclear industry prioritize states where deployment is realistic rather than speculative.	Link
GreenCHIPS Program	State Incentive	Market Signaling and Pre-Development Risk Reduction	Semiconductors	NY	Pair major public incentives with environmental and economic commitments to attract semiconductor fabrication projects at scale.	Helped position New York as a high-credibility destination for chip manufacturing by reducing policy uncertainty and tying public support to a durable project framework.	States that lower pre-development risk make it easier for the nuclear energy industry to justify moving from concept to siting, licensing, and construction.	Link
Semiconductor Innovation Fund	State Matching Fund	Market Signaling and Pre-Development Risk Reduction	Semiconductors	TX	Use large state funding to complement federal CHIPS support and reduce first-mover risk for advanced manufacturing projects.	Shows how a state can use a large dedicated fund to accelerate site selection and project commitment before construction begins. This is highly transferable to early nuclear siting and licensing costs.	States that lower pre-development risk make it easier for the nuclear energy industry to justify moving from concept to siting, licensing, and construction.	Link
TX House Bill 5 Jobs, Energy, Technology and Innovation (JETI) Act	Statute	Market Signaling and Pre-Development Risk Reduction	Semiconductors and Advanced Manufacturing	TX	Lower the cost of major manufacturing investments through long-duration property tax relief tied to qualifying projects.	Gives Texas a cleaner path for landing very large industrial facilities. In a nuclear context, this type of structure helps offset pre-operational carrying costs while projects move through complex permit timelines.	States that lower pre-development risk make it easier for the nuclear energy industry to justify moving from concept to siting, licensing, and construction.	Link
POWER UP Program	State Incentive	Siting and Site Readiness	Semiconductors and Advanced Manufacturing	NY	Build grid-ready industrial sites before a developer formally commits.	Cuts time from site selection to buildout by solving a major bottleneck in advance. This is one of the strongest analogous examples for nuclear-ready sites and pre-permitted industrial campuses.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
FAST NY Grant	Shovel-Ready Site Certification	Siting and Site Readiness	Semiconductors and Advanced Manufacturing	NY	Maintain an inventory of sites with environmental work, utilities, and logistics largely addressed before the project arrives.	Demonstrates how states can compress development timelines through advance coordination. For nuclear, the closest analogue is early site permitting plus state-backed infrastructure readiness.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
NM Senate Bill 169 Site Readiness Act	Statute	Siting and Site Readiness	Advanced Manufacturing and Energy	NM	Create a faster front-end process for identifying and certifying viable industrial sites.	Within one year, the state assessed dozens of sites, launched a GIS platform, and created a certification structure. That makes this one of the clearest transferable models for nuclear siting strategy.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
LA House Bill 692 Energy Policy Act 462	Statute	Market Signaling and Pre-Development Risk Reduction	LNG	LA	Formally recognize reliable, affordable energy, including natural gas, as a state priority within the energy policy framework.	Reduced ambiguity for LNG-linked projects by embedding hydrocarbons into the state's strategic energy posture. For nuclear, this is a strong analogue for how a state can send durable pro-development signals before individual projects are approved.	States that lower pre-development risk make it easier for the nuclear energy industry to justify moving from concept to siting, licensing, and construction.	Link

Name	Policy Type	Subcategory	Industry Sector	State	Purpose	Result	Significance:	Source:
Energy Infrastructure Governance Model	Statute & Administrative Framework	Permitting Coordination and Process Streamlining	LNG	LA	Align port governance, industrial zoning, legal advocacy, and regulatory familiarity around large energy infrastructure.	Helped Louisiana become one of the strongest LNG export environments in the country. The transfer lesson for nuclear is that developers respond to coherent state governance, not only direct subsidies.	State that coordinate with agencies and cut regulatory overlap, allowing the nuclear industry to have a more predictable path to construction and commercialization.	Link
WA Senate Bill 6039 Geothermal Energy Resources	Statute	Market Signaling and Pre-Development Risk Reduction	Geothermal	WA	Improve geothermal development through better survey data, more competitive lease terms, and cost-sharing support for exploration.	A strong example of state action aimed at the earliest and riskiest stage of development. For nuclear, the parallel is helping projects pay for front-end site and licensing work before full commercial certainty exists.	States that lower pre-development risk make it easier for the nuclear energy industry to justify moving from concept to siting, licensing, and construction.	Link
CA Assembly Bill 1359 Geothermal Environmental Review	Statute	Permitting Coordination and Process Streamlining	Geothermal	CA	Let applicants request that a county replace the state's role for environmental review and approval on certain exploration projects.	Tackles a known multi-layer review bottleneck by reducing overlap between levels of government. This is one of the cleaner analogues for nuclear permitting reform aimed at cutting duplicative state process.	State that coordinate with agencies and cut regulatory overlap, allowing the nuclear industry to have a more predictable path to construction and commercialization.	Link
Competitive Renewable Energy Zones (CREZ)	Transmission Initiative	Siting and Site Readiness	Wind	TX	Build transmission to resource-rich areas before full demand and generation buildout occur.	Made large-scale wind deployment easier by solving a major infrastructure bottleneck in advance. For nuclear, the core lesson is that states win when they pre-build the enabling conditions around projects rather than waiting on developers to solve them alone.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
Senate Bill 100 **Senate Bill 710**	Statute	Market Signaling and Pre-Development Risk Reduction	Solar	CA	Set a long-term zero-carbon electricity target and preserve favorable tax treatment for distributed solar installations.	Together, these policies gave the sector a stable long-run policy signal and protected investment assumptions for asset owners. The nuclear lesson is that durable state policy signals matter because they shape investor confidence long before final permits are issued.	States that lower pre-development risk make it easier for the nuclear energy industry to justify moving from concept to siting, licensing, and construction.	Link

PHYSICAL INFRASTRUCTURE & SUPPLY CHAIN SUPPORT POLICY LEVERS								
Name	**Policy Type**	**Subcategory**	**Industry Sector**	**State**	**Purpose**	**Result**	**Significance**	**Hyperlink**
NJ Assembly Bill 5651 Wind Port Funding	Law	Direct Appropriation	Wind (Offshore)	NJ	To provide state funding for the physical dredging, wharf construction, and heavy-lift pad installation for a purpose-built offshore wind port.	Enabled the construction of the nation's first "greenfield" offshore wind port, which can support 1,500 manufacturing and assembly jobs.	States that help unlock uranium, conversion, fabrication, or related approvals, strengthening the full ecosystem the nuclear energy industry depends on.	Link
Indiana Innovation Development Districts (IDD)	Statute	Economic District / Infrastructure TIF	Semiconductors / Advanced Mfg	IN	To capture property and income tax growth within a specific zone to fund the physical infrastructure within that same district.	Enabled the multi-county infrastructure build-out for the LEAP District, including specialized wastewater and road networks for high-tech users.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
CO House Bill 23-1252 Thermal Energy Networks Act (HB 23-1252)	Law	Geothermal Infrastructure	Geothermal	CO	To authorize the construction and utility-scale deployment of physical geothermal heating and cooling networks.	Required major gas utilities to propose pilot thermal networks, leading to the physical construction of geothermal loops in urban areas.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
WA Senate Bill 6355 Electric Transmission Authority	Law	Grid Infrastructure	Solar / Wind	WA	To establish a state authority tasked with planning, siting, and financing physical transmission lines to relieve grid congestion.	Created a centralized entity with bond authority to build the high-voltage backbone necessary for renewable energy deployment.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
Ohio All-Ohio Future Fund (Utility Extensions)	Law	Infrastructure / Site Prep	Semiconductors	OH	To provide grants for the physical extension of high-capacity electric, water, and sewer lines to large industrial sites.	Appropriated $750 million to prepare sites for projects like Intel, ensuring the "fence-line" utilities are ready before a company signs.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
AZ House Bill 2809 Semiconductor Water Infrastructure	Law	Infrastructure Funding	Semiconductors	AZ	To allocate state funds for the physical construction of ultrapure water (UPW) treatment plants and industrial wastewater recycling systems.	Secured the physical water supply for TSMC Phase 3 while reducing the factory's reliance on municipal potable water sources.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
MN Senate File 3887 Heights Community Geothermal System	Law	Infrastructure Grant	Geothermal	MN	To fund the physical construction of a multi-building aquifer thermal energy storage system for light industrial and community use.	Financed the installation of a net-zero geothermal loop serving 1 million square feet of industrial space and 1,000 housing units.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
NM Senate Bill 170 Utility Pre-deployment Act	Law	Infrastructure pre-deployment support		NM	Enable pre-investment in utility infrastructure (power, water, etc.) at candidate industrial sites to make them "project-ready" for large investors.	Created a rapid site evaluation framework that increases the supply of credible shovel-ready sites for capital-intensive facilities.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
CA Assembly Bill 1373 Central Procurement Authority	Law	Infrastructure Procurement	Geothermal / Wind	CA	To authorize the state to physically procure and coordinate the build-out of long-lead-time energy resources like offshore wind and geothermal.	Empowered the Department of Water Resources to act as a central buyer, providing the demand signal needed to begin physical site development for 10 GW of clean power.	States that help unlock uranium, conversion, fabrication, or related approvals, strengthening the full ecosystem the nuclear energy industry depends on.	Link
TX State Budget Rider 38 Port Connectivity Fund	Law	Logistical Infrastructure	LNG / Industrial	TX	To fund the construction of physical "road-to-port" connections and rail spurs to improve the throughput of energy exports.	Authorized $400 million for port-related infrastructure, specifically targeting the bottlenecks where state highways meet deep-water LNG terminals.	States that help unlock uranium, conversion, fabrication, or related approvals, strengthening the full ecosystem the nuclear energy industry depends on.	Link
WA Senate Bill 5165 Transmission Planning Act	Law	Long-term Grid Infrastructure	Solar / Wind	WA	To require state utilities to physically plan and budget for 20-year transmission horizons rather than the traditional 5-year window.	Forced a shift to long-lead-time infrastructure planning that uncovered 5 GW of previously "trapped" wind and solar capacity.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
NV Assembly Bill 524 Infrastructure Bank Expansion	Law	Low-interest Loan / Bond	Solar / Wind	NV	To provide a state-backed financing mechanism specifically for the physical build-out of high-voltage transmission and grid-scale storage assets.	Provided $100 million in initial financing for three regional grid-scale battery hubs that facilitate wind and solar integration.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
LA House Bill 971 Ports and Waterways Investment Commission	Law	Port Capacity	LNG	LA	To create a state commission focused on the dredging, capacity expansion, and physical infrastructure of deep-water ports.	Provided a framework for long-term port modernization, specifically for the heavy cargo and logistics required for LNG export terminals.	States that help unlock uranium, conversion, fabrication, or related approvals, strengthening the full ecosystem the nuclear energy industry depends on.	Link
Massachusetts Offshore Wind Port Revitalization (MassCEC)	Statute	Port Infrastructure	Wind	MA	To fund the physical redevelopment of former coal sites into world-class marshalling and assembly ports for offshore wind.	Allocated $180 million for infrastructure in Salem and New Bedford, including heavy-lift quaysides and specialized terminal space.	States that help unlock uranium, conversion, fabrication, or related approvals, strengthening the full ecosystem the nuclear energy industry depends on.	Link
MD Senate Bill 781 & House Bill 793 POWER Act	Law	Port Infrastructure / Grid Mandate	Wind (Offshore)	MD	To physically expand port capacity for marshalling large-scale turbine components and mandate a PJM study for transmission upgrades.	Quadrupled the state's offshore wind goal to 8.5 GW and triggered a regional grid study to identify necessary physical transmission corridors.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link

ID House Bill 417 Semiconductors for America Act	Law	Sales Tax Rebate	Semiconductors	ID	To lower the capital cost of physical fab construction by rebating sales tax on all construction materials and specialized cleanroom equipment.	Directly supported the physical infrastructure build-out for the $15 billion Micron fab expansion in Boise.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
OR Senate Bill 4 Oregon Semiconductor Site Designation	Law	Site Readiness / Land-Use	Semiconductors	OR	To empower the governor to bring specific land into the urban growth boundary to provide shovel-ready industrial sites.	Designated a 1,700-acre tract near Hillsboro as a strategic site, ensuring land availability for multi-billion dollar fab expansions.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
Michigan Strategic Site Readiness Program (SSRP)	Law	Site Readiness / Utility Build-out	Semiconductors / Advanced Mfg	MI	To provide grants for land acquisition and the construction of "last-mile" infrastructure like sewer and water for megaprojects.	Funded the physical site preparation for major battery and semiconductor facilities, reducing the initial infrastructure risk for developers.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
NM Senate Bill 169 Site Readiness Act	Law	Site readiness program / state-funded site evaluation	Semiconductors / Hydrocarbons	NM	Rapidly identify, evaluate, and certify industrial sites (including energy and advanced manufacturing) via standardized criteria and a public GIS platform.	Assessed 47 sites within one year, created a public map, and established a certification board, cutting early-stage siting risk and shortening site-selection timelines.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
CO Senate Bill 24-212 Clean Energy Siting Act	Law	Siting Support / Technical Infrastructure	Solar / Wind	CO	To provide local governments with technical mapping and model codes necessary to physically site utility-scale clean energy arrays.	Created a statewide repository of energy-ready land parcels and reduced local siting disputes by standardizing physical setback requirements.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
LA Act 590 Positioning Louisiana to Win	Law	Strategic Infrastructure	LNG / General Energy	LA	To reorganize state economic development to align physical port assets and pipeline corridors with the 2025 Whole-of-Louisiana Energy Strategy.	Linked regional port authorities with state energy planning to prioritize shovel-ready sites for LNG liquefaction and export.	States that help unlock uranium, conversion, fabrication, or related approvals, strengthening the full ecosystem the nuclear energy industry depends on.	Link
North Carolina Golden LEAF Infrastructure Grants	Law	Utility Infrastructure	Solar / Wind	NC	To provide capital for physical utility upgrades in rural counties to attract industrial-scale renewable energy manufacturers.	Has funded over $1 billion in utility extensions, specifically supporting the move of clean energy supply chain companies into rural areas.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link
Duke Energy Florida Site Readiness Program	Physical Infrastructure & Supply Chain Support	Utility-led site readiness / in-kind support	General large-scale industrial manufacturing	FL	Identify and upgrade high-potential industrial sites, marketing them with local economic development groups to attract large projects.	Since 2013, the program generated about 680 jobs and 183 million in capital investment in Florida alone, evidencing measurable economic impact from site-readiness efforts.	States that help solve land, infrastructure, local approvals, and early environmental work up front; the nuclear industry faces less delay, less uncertainty, and lower carrying costs before revenue starts.	Link

PUBLIC EDUCATION & COMMUNITY ENGAGEMENT POLICY LEVERS								
Name	**Policy Type**	**Subcategory**	**Industry Sector**	**State**	**Purpose**	**Result**	**Significance**	**Hyperlink**
Keysight After School Program	Public Education	After school programming	All	FED	After-school programming (variety) for areas of STEM	Successfully implemented	Filling a need for families by incorporating fun, interactive after-school programming would help to destigmatize nuclear and build future career pipelines	Link
Great Lakes Region Best Practices: Public Engagement	Community Engagement	Best practices for communities	Wind	Great Lakes States	Separate case studies that describe best practices for community engagement in the region and outcomes	Explains the bigger picture in the region and best practices for implementation	Following this structure will allow for nuclear to keep communities informed and involved, potentially decreasing backlash and pushback	Link
Makushin Geothermal Project/Qawalangin Tribe	Community Engagement	Collegiate programming (Tribes, Tribal entities, and Native Indigenous community Outreach)	Geothermal	AK	Focusing on energy sovereignty and educating on geothermal energy sector	Geothermal project failed	Following this structure will allow for nuclear to keep communities informed and involved, potentially decreasing backlash and pushback	Link
MNT-CURN (Micro nano technology collaborative undergraduate research network)	Public Education	Collegiate programming for students in 2-year technical programs	Semiconductors	CA	Digital twin (AI-powered VR) to guide students through step-by-step virtual semiconductor fabrication process	Successfully allowed students to participate in process and prepare for future careers	Following this structure will allow for nuclear to keep communities informed and involved, potentially decreasing backlash and pushback	Link
American Clean Power	Community Engagement	Community Benefits Agreement	All	US	Agreements between renewable energy companies and communities to explain benefits of projects	Increased communication and clarity	Following this structure will allow for nuclear to keep communities informed and involved, potentially decreasing backlash and pushback	Link
PNG LNG	Public Education and Community Engagement	Corporate Responsibility (Private)	LNG	FED	Invest in school infrastructure (sanitation facilities, water, equipment, supplies), funding teachers, etc. Science Ambassador programs that target primary and HS students to visit LNG plant - focusing on geology, oil, and gas	Since 2013, over 4,300 students have gone through the Science Ambassador Program	Investing in school infrastructure will allow for students and teachers to excel while focusing it on nuclear	Link
Penn State's Marcellus Center for Outreach and Research (MCOR)	Public Education and Community Engagement	Extended community engagement through University	LNG	PA	Workshops, public presentations, webinars, interviews, articles, education materials, and direct contact opportunities to educate on shale energy exploration	Program successful but no longer supported*	Following this structure will allow for nuclear to keep communities informed and involved, potentially decreasing backlash and pushback	Link
Utah FORGE	Public Education and Community Engagement	K-12 education, University, community engagement	Geothermal	UT	Educating K-12 and University students on basic geothermal concepts and EGS technologies. Discusses local benefits of geothermal. DOE + University of Utah partnership	Preparing future of geothermal careers and STEM	Educating the next generation of nuclear professionals while increasing visibility can begin to break the barriers/stigma in the industry	Link
Oregon STEM Hubs	Public Education	K-12 programming	Semiconductors	OR	Investing in K-12 curriculum and after-school programming to support STEM (semiconductor-specific throughout document)	Successfully implemented	Educating the next generation of nuclear professionals while increasing visibility can begin to break the barriers/stigma in the industry	Link
National Energy Education Development	Public Education	K-12 programming	All	US	Materials correlated with Next Generation Science Standards and Common Core for all states. Education for K-12 on various energy concepts, etc	Free resources for students and teachers, as well as opportunities for conferences and student leadership	Educating the next generation of nuclear professionals while increasing visibility can begin to break the barriers/stigma in the industry	Link
NETL (National Energy Technology Laboratory) Outreach and Education	Public Education	K-12 programming	General (geothermal, hydrocarbon, critical minerals)	WV, PA, OR	Improve energy literacy and train the next generation of STEM professionals. Students meet with NETL scientists and can compete in various competitions	Millions of dollars invested, thousands of students reached	Educating the next generation of nuclear professionals while increasing visibility can begin to break the barriers/stigma in the industry	Link
Illuminating Minds	Public Education	K-12 programming	Solar	TX	Educating K-12 on the future of solar power through programming and activities (SEIA)	General increase of knowledge in younger population	Educating the next generation of nuclear professionals while increasing visibility can begin to break the barriers/stigma in the industry	Link
Austin, TX: Solar for Schools Student Engagement Resources	Public Education	K-12 programming and opportunities	Solar	TX	Student experiences, lesson plans, courses, and lessons from various organizations	AISD, as of 2021, was ranked #2 in the EPA's Green Power Partnership	Educating the next generation of nuclear professionals while increasing visibility can begin to break the barriers/stigma in the industry	Link
Powering Our Town	Public Education	K-2 programming	Nuclear	TN	Destigmatize the narrative around nuclear power by training teachers on nuclear energy curriculum. 280+ teachers in the program. (Project-based learning - first of its kind in the US) State partnership with UTK	New program (Summer 2025) Training for teachers occurs in the summer.	Educating the next generation of nuclear professionals while increasing visibility can begin to break the barriers/stigma in the industry	Link
CalNRG Public Awareness	Community Engagement	Public Awareness	LNG	CA	Established public awareness document for LNG and related products in the region	Allows for public to educate themselves on pipelines and need for energy independence	Implementing similar, high-visibility, hands-on programming in the community, could connect young families with the strengths of nuclear	Link
Geothermal-themed Children's Park	Community Engagement	Public Awareness and engagement	Geothermal	CA	Interactive park with geological layers, shared play areas, and educational features highlighting geothermal and lithium technologies	Imperial County Board approved application, potentially built within the next year (unable to find more information)	Implementing similar, high-visibility, hands-on programming in the community, could connect young families with the strengths of nuclear	Link
Wind for Schools Project	Public Education and Community Engagement	Rural community engagement	Wind	US	Introduce wind energy to rural communities, teachers, and students. College students given wind energy applications and education	Successful in multiple states	Following this structure will allow for nuclear to keep communities informed and involved, potentially decreasing backlash and pushback	Link
Connecticut Department of Energy and Environmental Protection (DEEP)	Community Engagement	Trust-building with the community	Geothermal	CT	Built a strong coalition within the community after stating the benefits	Community unable to be completed due to cost contraints, but a good concept overall	Following this structure will allow for nuclear to keep communities informed and involved, potentially decreasing backlash and pushback	Link
Colorado CHIPS Community Support Program	Community Engagement	Trust-building with the community	Semiconductors	CO	Market Study, Implementation, and Marketing Grants given to municipal, county, tribal governments, regional economic development orgs, etc., based on their application	Successfully completed 4 cycles so far, allowing for community ownership	Following this structure will allow for nuclear to keep communities informed and involved, potentially decreasing backlash and pushback	Link
Vineyard Offshore	Community Engagement	Trust-building with the community	Wind	MA	Gives tangible benefits to the community (tax incentives, etc)	Environmentalists and community supported the construction (commercial fisheries were not thrilled)	Following this structure will allow for nuclear to keep communities informed and involved, potentially decreasing backlash and pushback	Link

GOVERNANCE & ECONOMIC AGREEMENTS POLICY LEVERS								
Name	**Policy Type**	**Subcategory**	**Industry Sector**	**State**	**Purpose**	**Result**	**Significance**	**Hyperlink**
New York–Ontario Advanced Nuclear MOU (2025)	Intergovernmental Coordination	MOU	Nuclear	NY & Ontario, CN	One of the most important North American cross-border nuclear agreements, links energy markets and supply chains.	NYPA and OPG are now sharing expertise, resources, and institutional knowledge on reactor tech, project development, licensing and permitting, supply chain development. Led to $40 million of funding over four years to develop the workforce for planned deployment of 1 GwH of energy. OPG began working towards construction of four SMRs at the Darlington New Nuclear Project as well as the potential construction of new large-scale nuclear capacity.	Policy signal for market opportunity and informs how to prioritize region in government affairs strategies	Link
Wyoming–Idaho–Utah Governor's MOU	Intergovernmental Coordination	MOU	Nuclear	ID, WY, UT	First example of executive-led regional agreement to align nuclear ecosystems	New partnerhsips established with Holtec Internaitonal and the Idaho national Laboratory. Catalyzed a Mountain West Nuclear Ecosystem strategy and plans for up to ~ 4 GW of energy.	Policy signal for market opportunity and informs how to prioritize region in government affairs strategies	Link
Southeast Nuclear Advisory Council	Institutional Governance	Regional advisory council	Nuclear	GA, NC, SC, TN, VA	The Southeast Nuclear Council is an advisory council created to support the advanced nuclear technology research and planning grant received by E4 Carolinas	An economic impact study shows that SENAC has contributed to about $43 billion in economic impact and over 150,000 jobs. These outcomes are credited by interstate cooperation among the 5 states, who collectively receive $3.7 billion in annual tax revenue	Stakeholders to engage and influence. Outcomes and economic impact can be more tangibly measured to determine successful policy trends and organizational structures.	Link
New England Joint Agreement	Intergovernmental Coordination	Regional Compact	Nuclear	CT, ME, MA, NH, RI, VT	Joint executive statement to explore the regional deployment of advanced reactors, aimed at stabilizing consumer prices and managing cross-border grid reliability	Established a multi-state framework for New England states to coordinate on nuclear energy policy, planning, and potential deployment. Initiated joint exploration of advanced nuclear as part of regional clean energy and grid reliability strategies. Enabled shared analysis of siting, regulatory pathways, and market integration across participating states. Strengthened regional alignment on clean firm power solutions amid growing energy demand and decarbonization goals	Policy signal for market opportunity and informs how to prioritize region in government affairs strategies	Link
Southern States Energy Board (SSEB) Nuclear Initiatives	Institutional Governance	Regional advisory council	Nuclear	AL, AR, FL, GA, KY, LA, MD, MS, MI, NC, OK. PR, SC, TN, TX, VA, WV	Regional interstate compact coordinating legislative strategies, transmission planning, and multi-state compliance with federal emissions regulations through nuclear adoption	Coordinated multi-state nuclear energy initiatives across 16 Southern states. Facilitated partnerships with federal agencies. Played a key role in advancing demonstration projects and pilot programs	Stakeholders to engage and influence. Outcomes and economic impact can be more tangibly measured to determine successful policy trends and organizational structures.	Link
NASEO First Mover Initiative	Market & Demand Aggregation	PPPs	Nuclear	FED	Forming public-private partnerships through the engagement of utilities; nuclear technology companies; hyperscalers; manufacturers and other major end-users; developers; investors; and educational institutions.	Convened a coalition of 20+ state energy offices to coordinate advanced nuclear deployment planning and policy alignment. Led to the publication of state-level advanced nuclear action frameworks and roadmaps, outlining siting, financing, and regulatory strategies. Facilitated direct engagement between states and the U.S. Department of Energy (DOE) on funding opportunities. Supported states in pursuing federal funding applications and technical assistance for advanced reactor projects. Enabled cross-state knowledge sharing and best practice development on licensing, workforce, and supply chain readiness through NASEO-led working groups	Implement targeted business development startegies and establish partnership networks.	Link
NARUC-NASEO Advanced Nuclear State Collaborative (ANSC)	Insitutional Governance	Federal-State Partnership	Nuclear	FED	Cooperative agreement (2023) funded by the DOE to rigorously educate state regulators on the unique cost-recovery, siting, and policy frameworks necessary for new nuclear.	Produced published guidance and reports on advanced nuclear financing, regulatory frameworks, and state policy options. Facilitated formal coordination between Public Utility Commissions and state energy offices on cost recovery, siting, and deployment strategies. Convened multi-state workshops with DOE, utilities, and developers to advance project readiness and share best practices	Stakeholders to engage and influence. Outcomes and economic impact can be more tangibly measured to determine successful policy trends and organizational structures.	Link
Nuclear Innovation Alliance (NIA) Coalitions	Insitutional Governance	Advocacy Coalition	Nuclear	FED	NGO network functioning as an industry pipeline, producing standardized policy guides for states, and educating private capital markets on advanced reactor investment opportunities.	NIA coordinated a broad coalition of developers, NGOs, and labor groups to support the ADVANCE Act (2024) and the Atomic Energy Advancement Act. Developed the Industrial Decarbonization Blueprint, a multi-stakeholder roadmap for integrating nuclear heat and power into heavy industry. NIA leads a coalition of technical and legal experts providing direct feedback to the NRC on the "Part 53" rulemaking.	Initatives to offer support, collaborate on resources, and help define policy agendas.	Link

Nuclear Decommissioning Collaborative	Institutional Governance	Regional advisory council	Nuclear	FED	Collaborative initiative funded by the U.S. Economic Development Administration to provide local boards with technical assistance for coal-to-nuclear transitions and plant life-extensions.	Published "Socioeconmic Impacts from Nuclear Power Plant Closure" directly influenced the U.S. Economic Development Administration (EDA) to treat nuclear closures as major economic shocks, leading to millions in federal technical assistance grants for "nuclear closure communities. Helped integrate nuclear decomissioning into Comprehensive Economic Development Strategies, helping secure relief funds for Zion, IL and Indian Point, NY. Advocacy has resulted in Community Workforce Agreements	Stakeholders to engage and influence. Outcomes and economic impact can be more tangibly measured to determine successful policy trends and organizational structures.	Link
The Open Group	Market & Demand	Standardization	Technology -	Global	The Open Group is a global consortium that enables	Launched the Industrial Advanced Nuclear	Consortia of industry members to evaluate the	Link
Utah Advanced Nuclear Deployment MOU (2025)	Intergovernmental Coordination	MOU	Nuclear	UT	A formal, non-binding pramework between Utah's Office of Energy Development, Terrapower, and Flagship Companies	Supported site identification for the Natrium project. Triggered a secondary partnership with Holtec International to establish a training hub in Brigham City. Leveraged existing transmission infrastructure at retiring coal facilities	Policy signal for market opportunity and informs how to prioritize region in government affairs strategies	Link
Dominion Energy & Naval Weapons Station Yorktown MOA	Intergovernmental Coordination	MOU	Nuclear	VA	Memorandum of Agreement to explore SMR siting directly on a military installation to guarantee absolute energy resilience and secure off-take for critical national defense infrastructure.	Created a first of its kind template for utility owned federal-sited nuclear projects in the Hampton Roads areas. Brought in $2.2 million to construct shore power infrastructure through Community Project Funding	Policy signal for market opportunity and informs how to prioritize region in government affairs strategies	Link
Kentucky Nuclear Energy Development Authority (KNEDA)	Institutional Governance	Nuclear Authority	Nuclear	KY	Statutory authority (SB 198) acting as a nonregulatory state agency to administer $10M in grants, conduct site suitability studies, and drive supply chain development.	Created and operationalized a formal "Nuclear-Ready" certification for counties, ensuring local governments meet education and zoning standards to fast-track future reactor siting and community acceptance. Provided the technical foundation for the $75 million Nuclear Reactor Site Readiness Pilot Program, which offers matching grants to cover up to 1/3 of the costs for companies applying for NRC construction permits in Kentucky	Stakeholders to engage and influence. Outcomes and economic impact can be more tangibly measured to determine successful policy trends and organizational structures.	Link
Texas Advanced Nuclear Working Group	Institutional Governance	Executive task force/working group	Nuclear	TX	Governor-directed initiative within the Public Utility Commission to integrate advanced reactors into the ERCOT market and manage exponential industrial load growth.	Led to the passage of HB 14 to establish TANEO and successfully secured $350 million in state-level funding. Directly supported the collaboration between Texas Tech University and Fermi America, resulting in a 2025 NRC license application for a multi-reactor site in Amarillo. Initiated a statewide "Nuclear-Ready Community" certification program that aligns community college curricula with the specific technical needs of small modular reactor (SMR) operators.	Stakeholders to engage and influence. Outcomes and economic impact can be more tangibly measured to determine successful policy trends and organizational structures.	Link
Tennessee Nuclear Energy Advisory Council (T-NEAC)	Institutional Governance	Regional advisory council	Nuclear	TN	Executive advisory body mandated to draft statewide nuclear roadmaps, resulting in a $50M state nuclear fund and targeted support for specific Gen III+ reactor models.	Initiated a $50 million state fund (expanded to $70 million by 2026) that has recruited over $8 billion in private capital investment and committed to creating more than 2,500 jobs. Provided the policy framework that helped the Tennessee Valley Authority (TVA) secure a $400 million DOE award to advance the nation's first commercial small modular reactor (SMR) at the Clinch River site. Created the Joint Office of Nuclear Advancement, a one-stop shop for the nuclear industry to streamline regulatory hurdles and coordinate state incentives between economic development, environment, and labor agencies.	Stakeholders to engage and influence. Outcomes and economic impact can be more tangibly measured to determine successful policy trends and organizational structures.	Link
Virginia Nuclear Energy Consortium Authority (VNECA)	Institutional Governance	Nuclear Authority	Nuclear	VA	Statutory authority (2013) that created a nonprofit arm (VNEC) to facilitate public-private R&D agreements and shape state-level carbon-free energy policy.	Provided the policy and technical justification that led to the State Corporation Commission (SCC) approving up to $122 million for Appalachian Power to begin formal site evaluation and environmental permitting for a new SMR in SW Virginia. Facilitated a multi-institutional agreement between Virginia Tech, UVA, and private industry to create the VIN Hub. Successfully drafted the "Nuclear-Data-Grid" policy framework, which incentivizes operators to enter into PPPs, resulting in 3 major tech firms signing SMR MOUs (Google, AWS, and Microsoft)	Stakeholders to engage and influence. Outcomes and economic impact can be more tangibly measured to determine successful policy trends and organizational structures.	Link
Wisconsin Nuclear Power Summit Board	Institutional Governance	Regional advisory council	Nuclear	WI	Legislative creation (2025 Act 11) to host regional summits, evaluate rigorous siting opportunities, and engage public stakeholders for feedback on both fission and fusion technology.	The board's formation directly led to a $2 million partnership between the Public Service Commission (PSC) and UW-Madison, announced in February 2026, to identify specific sites for Small Modular Reactors (SMRs) and fusion facilities across the state.	Stakeholders to engage and influence. Outcomes and economic impact can be more tangibly measured to determine successful policy trends and organizational structures.	Link

Connecticut Council for Advancing Nuclear Energy	Institutional Governance	Regional advisory council	Nuclear	CT	Legislative council (SB 7) tasked with coordinating long-term procurement agreements for nuclear generation past existing operational lifespans to secure regional baseload.	Served as the technical backbone for Connecticut's participation in the 2026 New England Governors' Joint Commitment. Initiated a collaborative review with Dominion Energy to evaluate the Millstone Power Station as a potential host for the state's first commercial SMR. Facilitated the launch of the Advanced Nuclear Reactor Site Readiness Funding Program. Advocacy led to the landmark Public Act 25-173 (2025), which amended Connecticut's decades-old nuclear moratorium to allow for "consent-based siting	Stakeholders to engage and influence. Outcomes and economic impact can be more tangibly measured to determine successful policy trends and organizational structures.	Link
Virginia Innovative Nuclear Hub (VIN Hub)	Market & Demand Aggregation	Supply chain hub/initative	Nuclear	VA	Competitive grant-awarding hub distributing critical R&D funding for workforce, supply chain localization, and advanced manufacturing initiatives.	Published the Phase 1 and Phase 2 Nuclear Workforce Reports (completed April 2026), providing the state's first data-driven analysis of the specific skilled labor gaps—ranging from nuclear welding to reactor operations. Launched a $750,000 planning project in mid-2025 to design a first-of-its-kind micro-scale research reactor. Formally opened a $2.4 million competitive grant cycle in March 2026	Implement targeted business development startegies and establish partnership networks.	Link
Great Plains New Nuclear Consortium	Market & Demand Aggregation	Utility & industry consortia	Nuclear	NE & OK	Memorandum of Understanding among four public power utilities to jointly fund feasibility studies and explore deploying 1–2 GW of SMR capacity in the SPP market.	Established a collaboration model between NPPD, OPPD, LES, and Oklahoma's GRDA, allowing these utilities to pool technical expertise and share the high initial costs of technology assessment and NRC pre-application activities. Nebraska submitted a formal proposal to the U.S. Department of Energy to host a national "Innovation Campus," to modernize the full nuclear fuel cycle and attract federal infrastructure investments. Formally initiated a feasibility framework to deploy between 1,000 and 2,000 megawatts of advanced nuclear capacity within Nebraska to serve the Southwest Power Pool (SPP) market	Consortia of industry members to evaluate the potential benefits of membership or utilities to enage, monitor, and map regulatory constraints.	Link
SMR Start Consortium	Market & Demand Aggregation	Utility & industry consortia	Nuclear	FED	Industry-driven collaborative established to represent potential SMR operators in high-level regulatory interactions with the NRC and create federal cost-share funding structures.	Helped lead the coalition to preserve section 45U Zero emission nuclear power production credit	Consortia of industry members to evaluate the potential benefits of membership or utilities to enage, monitor, and map regulatory constraints.	Link
Arizona Joint Utility SMR Consortium	Market & Demand Aggregation	Utility & industry consortia	Nuclear	AZ	Joint application agreement among three major state utilities to secure a $25M DOE grant to collaboratively fund the identification of SMR sites and early site permits.	The consortium successfully submitted a joint application in April 2025 for a $25 million U.S. Department of Energy (DOE) grant to fund a comprehensive three-year site selection process and the preparation of an Early Site Permit (ESP)	Consortia of industry members to evaluate the potential benefits of membership or utilities to enage, monitor, and map regulatory constraints.	Link
UAMPS Carbon Free Power Project (CFPP)	Market and Demand Aggregation	Advocacy Coalition	Nuclear	FED	Joint Action Agency framework leveraging binding Power Sales Contracts among municipal members to collectively subscribe to an SMR project, utilizing a shared developer model.	CFPP was mutually terminated in November 2023. Made the notable contribtion of maturing a Combined Licenses Application (COLA) that now serves as a reference technical template for the SMR industry to reduce regulatory groundwork for future developers. Project's failure triggered a mandatory federal view, and the audit served as a lesson for the industry to pivot away from risky municpal subscription models and more toward direct-demand partnerships to prevent taxpayer losses	Initatives to offer support, collaborate on resources, and help define policy agendas.	Link
Geothermal Power Accelerator	Intergovernmental Coordination	Federal-State Partnership	Geothermal	FED	A collaborative initiative led by the National Association of State Energy Officials (NASEO) and the DOE, involving 15 states working to establish statewide goals, address regulatory barriers, and speed up geothermal deployment.	Established a joint "Firm Energy" training curriculum across 13 states, ensuring that specialized drilling and high-heat engineering skills are developed in a shared labor pool	Stakeholders to engage and influence. Outcomes and economic impact can be more tangibly measured to determine successful policy trends and organizational structures.	Link
The Heat Beneath Our Feet Initiative	Market & Demand Aggregation	Supply chain hub/initative	Geothermal	TX. WA, OR CA, NV ID, MT, UT, WY, AZ, NM, CO, ND, SD, NB, KN, OK, AL, HI	A regional collaborative effort by the Western Governors' Association to evaluate strategies, market factors, and policies to accelerate geothermal technology deployment across western states.	Facilitated the largest residential geothermal deployment in U.S. history via a partnership between Dandelion Energy and Lennar to build 1,500 geothermal-equipped homes in Colorado, projected to save residents $30 million in energy costs	Implement targeted business development startegies and establish partnership networks.	Link
FedGeo	Intergovernmental Coordination	Federal-State Partnership	Geothermal	FED	A collaborative initiative between the DOE, the Department of Defense, national laboratories, and academia to expand the deployment of geothermal heating and cooling technologies at federal sites.	Influenced the allocation of $22.6 million in Colorado state grants, which leveraged over $150 million in private sector investment for 35 diverse geothermal projects across Colorado	Stakeholders to engage and influence. Outcomes and economic impact can be more tangibly measured to determine successful policy trends and organizational structures.	Link

National Semiconductor Technology Center (NSTC) Consortium Agreement	Market & Demand Aggregation	Supply chain hub/initative	Semiconductors	FED	A foundational agreement between the Departments of Commerce, Defense, and Energy, the National Science Foundation, and Natcast to establish a public-private consortium for advancing semiconductor R&D and manufacturing.	Surpassed 128 members across industry and academia, providing a unified platform for shared access to expensive electronic design automation (EDA) tools and silicon aggregation services. Launched a $250 million workforce center of excellence to bridge a 67,000-worker talent gap. Initiated site selection for three R&D facilities intended to lower the "barrier to entry" for startups by providing prototyping environments	Implement targeted business development startegies and establish partnership networks.	Link
Microelectronics Commons Hubs	Market & Demand Aggregation	Supply chain hub/initative	Semiconductors	FED	Regional consortia established by the Department of Defense, such as the Midwest Microelectronics Consortium (MMEC) and the Northeast Microelectronics Coalition Hub, which unite industry, academia, and government to accelerate lab-to-fab prototyping.	Created a network of 8 regional hubs that have fabricated over 61,000 chips domestically, bypassing traditional multi-year wait times. Advanced from than 220 technologies through its pipeline. Achieved 14 cumulative Technology Readiness Level (TRL) increases, with some projects advancing by full levels within a single year. Catalyzed $1.2 billion in matched non-CHIPS investment from industry, academia, and partners	Implement targeted business development startegies and establish partnership networks.	Link
SMART-POWER MOU	Intergovernmental Coordination	MOU	Wind	MD, VA, NC	An interstate agreement between Maryland, Virginia, and North Carolina to cooperatively promote and expand offshore wind energy generation and its accompanying regional supply chain.	Solidified a multi-state project pipeline totaling 10 GW of committed capacity. Published the 2025 Workforce and Supply Chain Analysis (developed with NREL), which identified specific regional gaps in specialized subsea cabling and turbine blade logistics.	Policy signal for market opportunity and informs how to prioritize region in government affairs strategies	Link
Great Lakes Offshore Wind Energy Consortium	Market & Demand Aggregation	Utility & industry consortia	Wind	PN, IL, MI, MN, NY	A collaborative MOU involving 10 federal agencies and the states of Pennsylvania, Illinois, Michigan, Minnesota, and New York to ensure the orderly evaluation and coordination of offshore wind projects in the Great Lakes	Established the first unified inter-agency "Roadmap" for freshwater permitting, which helped navigate the unique jurisdictional overlap where states hold more primary authority than they do in federal oceanic waters. Provided the legal "policy shell" for states like Illinois to move forward with state-led leasing initiatives. Identified the St. Lawrence Seaway lock dimensions as a permanent logistical bottleneck; this directly led to a shift in regional strategy toward "floating" or "lake-assembled" turbine components rather than importing massive ocean-class vessels.	Consortia of industry members to evaluate the potential benefits of membership or utilities to enage, monitor, and map regulatory constraints.	Link
Solar Plus Regional Initiative	Intergovernmental Coordination	Regional Compact	Solar	WA, OR	A multi-stakeholder coalition spanning Washington and Oregon, supported by Department of Energy (DOE) grants, aimed at tripling the region's installed solar energy and modernizing energy infrastructure.	Developed the Solar Plus Strategies report, which led to the creation of state-funded programs like the Oregon Community Solar Program	Policy signal for market opportunity and informs how to prioritize region in government affairs strategies	Link
US Solar Buyer Consortium	Market & Demand Aggregation	Utility & industry consortia	Solar	FED	An industry coalition formed by independent power producers—including AES, Clearway Energy Group, Cypress Creek Renewables, and D. E. Shaw Renewable Investments—to spend over $6 billion on solar modules and expand the domestic supply chain.	Committed to purchasing $6 billion in solar panels, specifically targeting a supply of 6–7 GW of American-made modules annually starting in 2024.	Consortia of industry members to evaluate the potential benefits of membership or utilities to enage, monitor, and map regulatory constraints.	Link