EMPOWER COLORADO

ADVANCED NUCLEAR

▶ *Clean* ▶ *Reliable* ▶ *Safe*

Click for citations and sources

Colorado is on the brink of a major energy shift. House Bill 25-1040 positions the state to engage with our Pacific Northwest and Rocky Mountain neighbors in the Intermountain-west Nuclear Energy Corridor Plan. A YES VOTE ensures Colorado has a voice in shaping regional energy strategies. A NO vote EXCLUDES us, leaving our interests unrepresented and regional community impacts unexamined. We were promised that new energy technologies would replace lost coal jobs - but there was no plan. Advanced Nuclear power is a clean, safe solution that offers sustainable power and a resurgence to local economies. That makes sense. We need a YES vote on HB25-1040 to begin engaging in the conversation and the discovery process.

WHY SUPPORT HB25-1040?

Strengthening Our Energy Grid

- Incorporating nuclear energy into the discussion advances energy diversity and independence.
- Provides a reliable, constant power source that complements intermittent renewable sources.

Economic Growth Through High-Value Jobs

- Develops a new sector of high-tech, high-wage jobs in energy.
- Maintains and expands a skilled workforce ready for tomorrow.

Regional and National Leadership

- Aligns with federal language and supports Colorado HB23-1247's feasibility study.
- Allows for engagement with regional initiatives like the Intermountain-west Nuclear Energy Corridor Plan (Washington, Oregon, Idaho, Wyoming, and Utah).
- Enhances Colorado's competitiveness in the evolving U.S. energy sector.

VOTE YES ON HB25-1040

Be one of Colorado's **NEW ENERGY PIONEERS.**

THE FACTS

SAFETY

Modern nuclear technology is designed with robust safety measures, far surpassing older technologies.

ECONOMICS

Long-term operations and maintenance of new nuclear facilities offer cost savings over traditional reactors and some renewable resources, resulting in firm and reliable baseload power expansion.

ENVIRONMENTAL IMPACT

Advanced reactors are designed to efficiently minimize waste and can operate with reduced water usage. The compact designs result in a smaller, more flexible physical footprint that fits energy needs.

Filling the Gap

As the use of electric-powered technology increases, nuclear energy is capable of filling the gap in its availability.

A 2024 survey in Northwest Colorado reveals that 64% of people had heard of small modular reactors (SMRs), while in a national parallel study showed that 18% had heard of them. Northwest Colorado perceived SMRs as less expensive, safer, more reliable, and cleaner than national respondents. Among those familiar with the research, there is significant support for their development. For instance, a separate survey found that 86% of individuals living near existing nuclear power plants would find adding an additional plant acceptable.

85% OF NORTHWEST COLORADANS support nuclear energy.

According to a recent survey, most Northwest Colorado residents want to research nuclear energy as part of the New Energy future.

Colorado's Clean Energy Future Starts Now!

With HB25-1040, we aren't adopting new technologies; we are opening the door for conversation as we explore Colorado's Clean Energy Future. Join us in supporting a sustainable and secure energy future.

ADDITIONAL RESOURCES

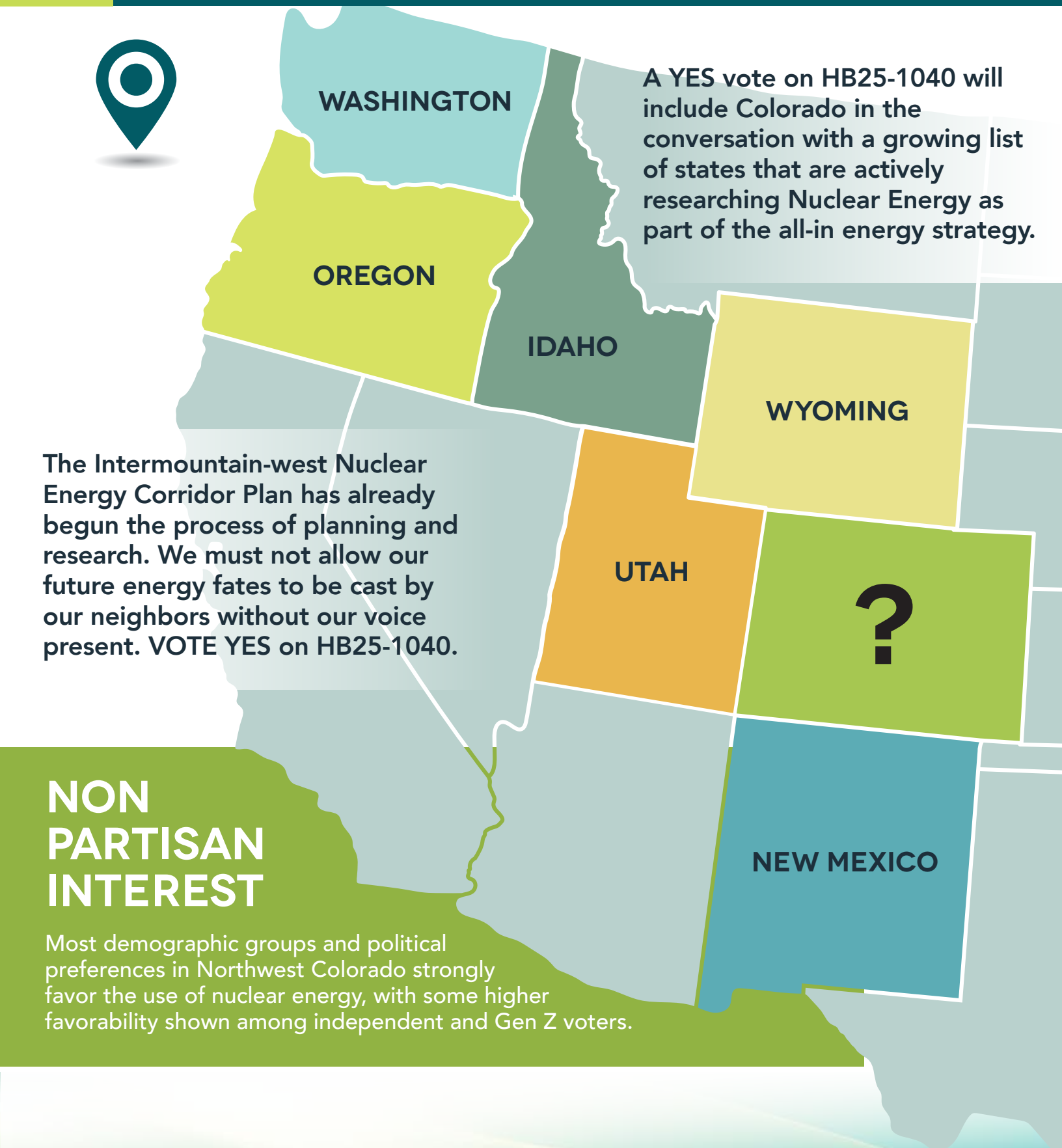
Click for citations and sources

- National Research Survey Report
- US Department of Energy
- Pew Research
- Nuclear Newswire
- Northwest Colorado Survey Report
- PIESAC Report

Ensure Advanced Nuclear is part of a stable energy supply strategy from diversified sources

VOTE YES ON HB25-1040

We can't be in the game if we aren't on the map.



A YES vote on HB25-1040 will include Colorado in the conversation with a growing list of states that are actively researching Nuclear Energy as part of the all-in energy strategy.

The Intermountain-west Nuclear Energy Corridor Plan has already begun the process of planning and research. We must not allow our future energy fates to be cast by our neighbors without our voice present. VOTE YES on HB25-1040.

NON PARTISAN INTEREST

Most demographic groups and political preferences in Northwest Colorado strongly favor the use of nuclear energy, with some higher favorability shown among independent and Gen Z voters.

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VOTE YES ON HB25-1040

Did You Know...

- Nuclear power plants are already providing electricity in 33 countries around the world and in 28 states (except Colorado) in the U.S.
- The United States is considered a leader in nuclear safety, including mandatory daily inspections by the Federal Nuclear Regulatory Commission and cradle-to-grave oversight.
- The federal Nuclear Regulatory Commission inspects and monitors each nuclear power plant daily.
- Spent Nuclear Fuel does not have to be wasted: the technology exists to recycle used nuclear fuel for electricity and other beneficial uses.
- U.S. nuclear power plants are already among the safest and most secure industrial facilities in the world due to the industry's commitment to comprehensive safety procedures, robust training programs, and stringent federal regulations that keep nuclear plants and neighboring communities safe.
- The ADVANCE Act, which was Colorado Congresswoman Diana DeGette's bill and was supported by the entirety of the Colorado delegation last year, sets forth provisions to develop and deploy advanced nuclear fuel and was signed into law by President Biden in July 2024.

NATIONAL ENERGY SECURITY IS AT STAKE

China is currently leading the world in advancing nuclear energy technology and construction.

SAY YES TO SCIENCE

A YES vote on HB25-1040 allows Colorado to be included in the Advanced Nuclear discussion and be part of a strong, diversified Energy Future. A NO vote excludes Colorado from that discussion.

NEW ENERGY JOBS

Operation of a nuclear power plant generates 500 to 800 permanent jobs that will stay in the local community, while also supporting schools, businesses, and public services.

Experts project that the amount of power data centers use in the US will double by 2030. This means that data centers could use 9% of all US electricity by 2030.

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VOTE YES ON HB25-1040

EMPOWER COLORADO

This Makes Good Sense

Colorado cannot afford to be left out of the nuclear energy conversation. A YES vote on HB25-1040 will ensure that we are part of the dialogue shaping both the local and national debate about the future of America's energy independence.

Power source	Clean?	Firm?	Low land use?	Low transmission buildout?	Concentrated local economic benefits?	Additional applications?[1]	Cost competitive today?
Nuclear	High	High	High	High	High	High	Low
Hydropower	High	Medium	Low	Medium	High	Low	High
Geothermal	High	Medium	High	Medium	Medium	Medium	Medium
Renewables + storage[2]	High	High	Low	Low	Low	Medium	Low
Renewables: offshore	High	Medium	High	Low	Low	Low	Low
Renewables: onshore	High	Low	Low	Low	Low	Low	High
Natural gas + CCS	Medium	High	Medium	High	Medium	Medium	Low
Coal + CCS	Medium	High	Medium	High	High	Medium	Low
Natural gas	Low	High	Medium	High	Medium	Medium	High
Coal	Low	High	Medium	High	High	Medium	Medium

1. Additional applications include clean hydrogen generation, industrial process heat, desalination of water, district heating, off-grid power, and craft propulsion and power
2. Renewables + storage includes renewables coupled with long duration energy storage or renewables coupled with hydrogen storage

Click for online table

YES

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Prepared by Action Colorado and NCEI