



New Mexico Environment Department

Long –Term Power Generation and Economic Development for San Juan County
Sydney Lienemann, PhD
Deputy Cabinet Secretary
New Mexico Environment Department

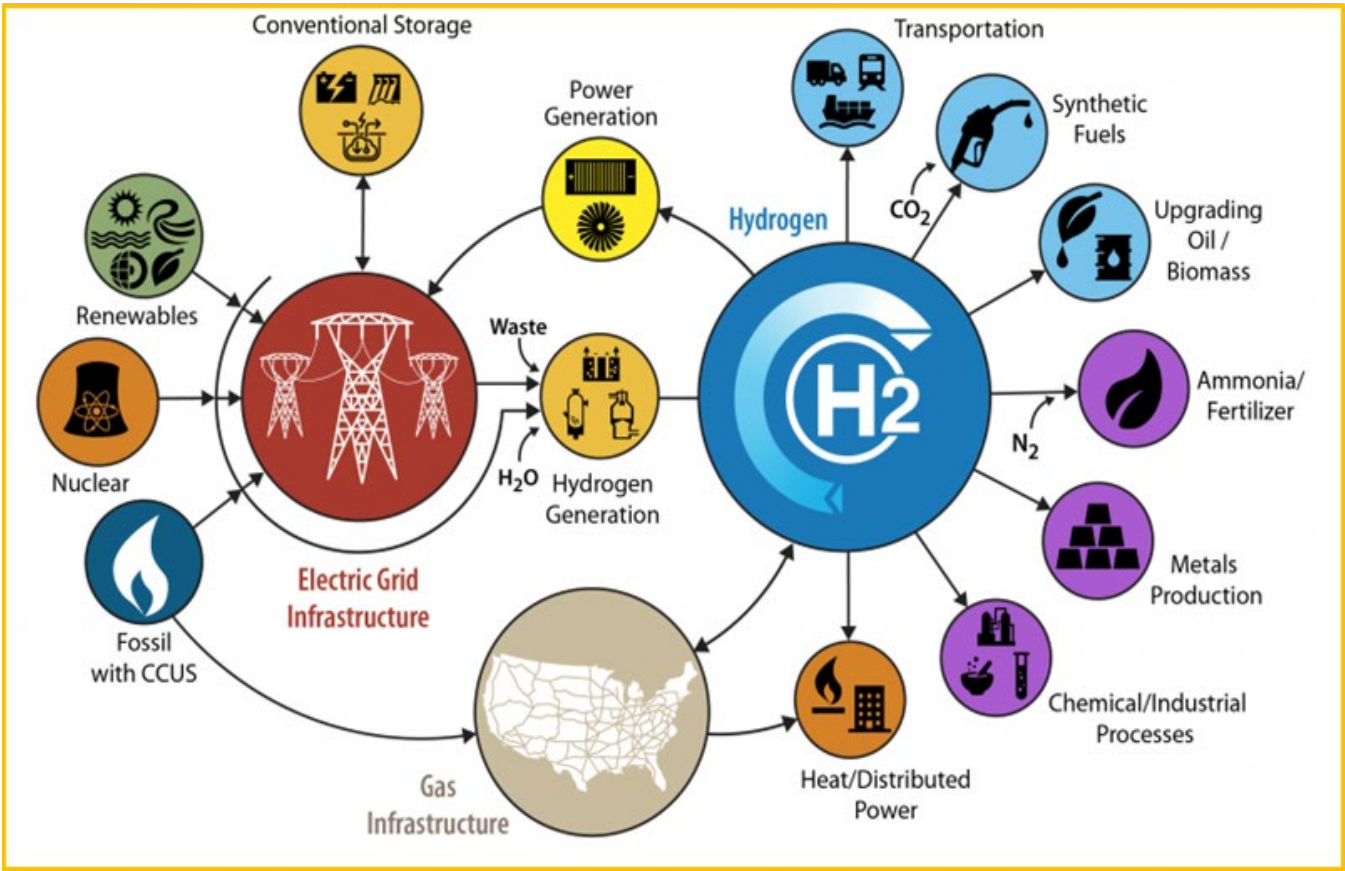
July 18, 2023
Legislative Finance Interim Committee





New Mexico Hydrogen Economy Goals

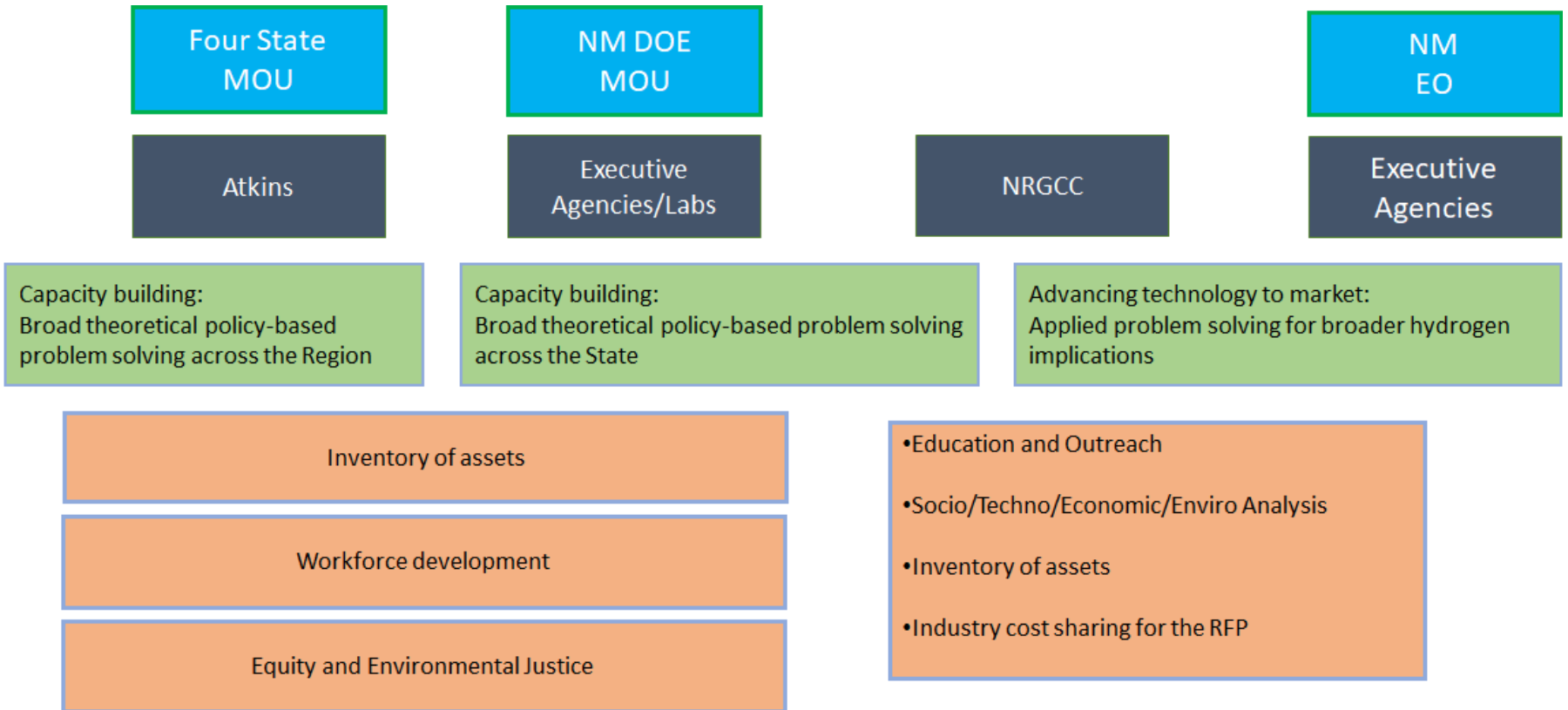
- Meeting climate goals
- Focus on Clean and Zero-carbon Hydrogen
- Global demand:
 - 2030: \$250B
 - 2050: \$1T
- Economic and workforce development opportunities



Make Move Store Use



New Mexico Clean Hydrogen Approach





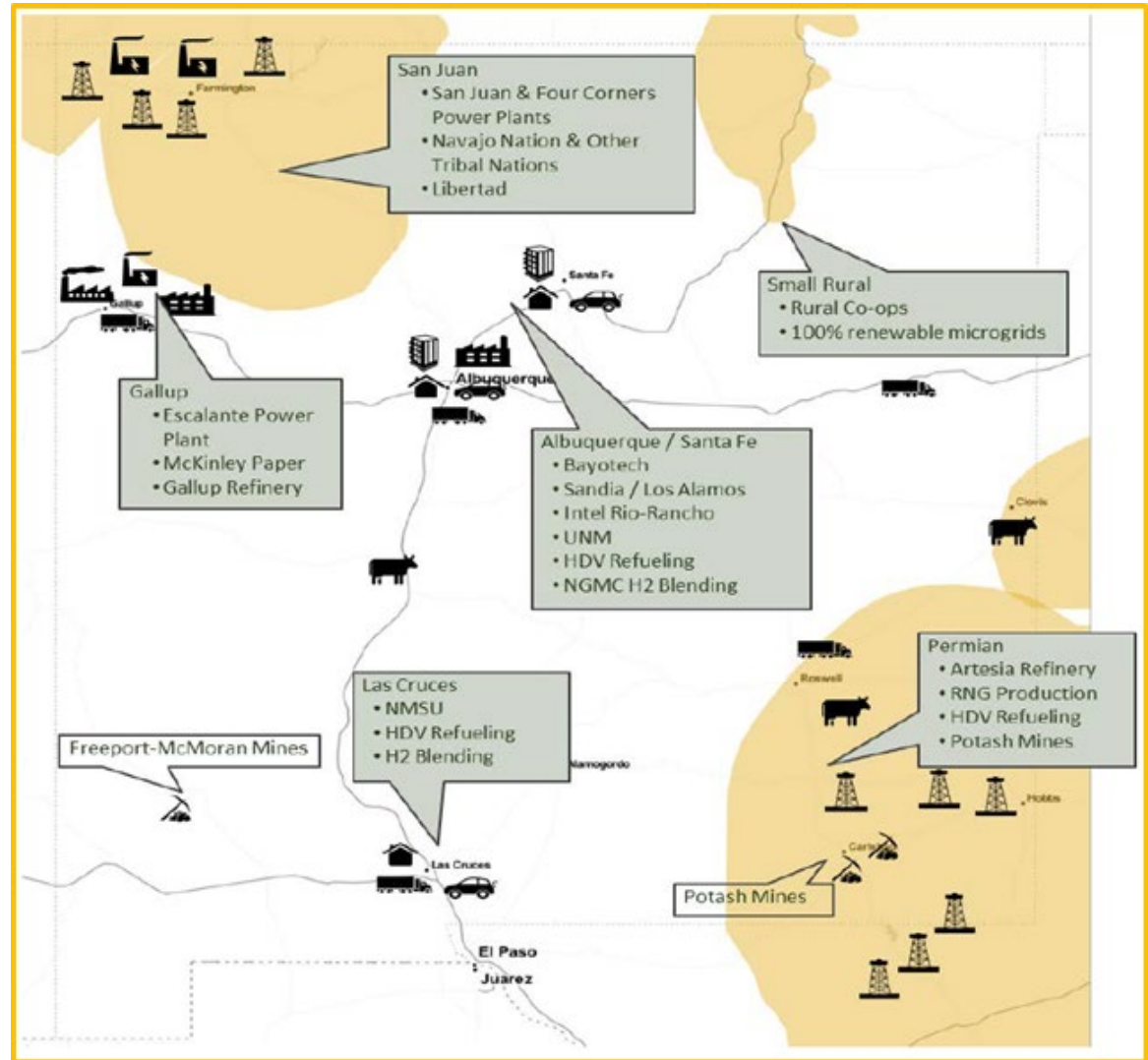
Hydrogen in New Mexico

Can lead nation in Carbon Capture, Utilization and Sequestration (CCUS)

Intrinsic geographic and infrastructure advantages

Leverage opportunities to pair hydrogen production and renewable energy

Opportunities for economic development





Western Interstate Hydrogen Hub (WISHH)

DOE Funding H2Hubs Opportunity:

Up to \$7 billion to establish six to 10 regional clean hydrogen hubs across America

H2Hubs projects will demonstrate the production, processing, delivery, storage, and end-use

STATES: New Mexico, Colorado, Wyoming, Utah

CORPORATE PARTNERS in New Mexico:

- Escalante/Tallgrass
- Avangrid
- Libertad
- Navajo Agricultural Products Industries (NAPI)



HB142 (2022): Abandoned Uranium Mine Clean Up

- Interagency approach to building a strategic plan to long-term uranium mine clean up and reclamation.
- Mapping and documenting AUM sites.
- Consultation and coordination across federal government; Indian nations, tribes, and pueblos; impacted communities; and other states.
- Build an industry and workforce so clean up benefits impacted communities.



2010 New Mexico Legacy Uranium Mines Dashboard Data

Mine Location information from Energy, Minerals, and Natural Resources Department - Mining & Minerals Division, compiled 2006-2011

Abandoned Uranium Mines	US Fish and Wildlife (USFW)
Tribal Lands	Bureau of Reclamation (USBR)
County Boundaries	Bureau of Indian Affairs (BIA)
Department Of Defense (DOD)	Other Federal
Bureau of Land Management (BLM)	State
National Park Service (NPS)	Local
US Forest Service (USFS)	Private or Unknown

Data Sources: BLM Energy, Minerals & Realty Management, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS/NMED, EMNRD, BLM Coordinate System: NAD 1983

This map data may contain technical inaccuracies or typographical errors. Data is updated when corrections are submitted to data stewards. It is the responsibility of mine operators to register any mine or mill feature with MRRS prior to the start of operations; to notify MRRS of operational changes; and to accurately and periodically report data as required under the statute and attendant regulation.

NMED Office of Strategic Initiatives



AUM Workforce Activities

Student Internships

- Summer internships at NMED and EMNRD (Energy, Minerals, and Natural Resources Dept)
- On-the-job training reimbursements for employers (WIOA-funded)

WIOA-funded, Employer-led Program

- In progress: a certification, skills, and OJT program, 4-8 weeks
- San Juan College-led, NMED-supported
- Goal: employers help create relevant curriculum
- Funding eligibility depends on candidate, or can be privately funded
- Support services for trainees - *HelpNM*

Job Incentive Training Programs (JTIP)

- Funded by NM Economic Development Department (EDD)
- Reimburses 50-75% of employee wages for up to 6 months

EPA Brownfields Job Training

- Certification series over 5-week period
- Santa Fe Community College- led, NMED-supported
- Award increased to \$500,000 over a 4-year period



NMED Contact Information

Sydney Lienemann, PhD, Deputy Cabinet Secretary
sydney.lienemann@env.nm.gov