

Southwest Carbon Capture and Storage (SWCCS) Hub

CUSP 2024 Annual Meeting

September 2024

SWCCS Hub Project Advisors:

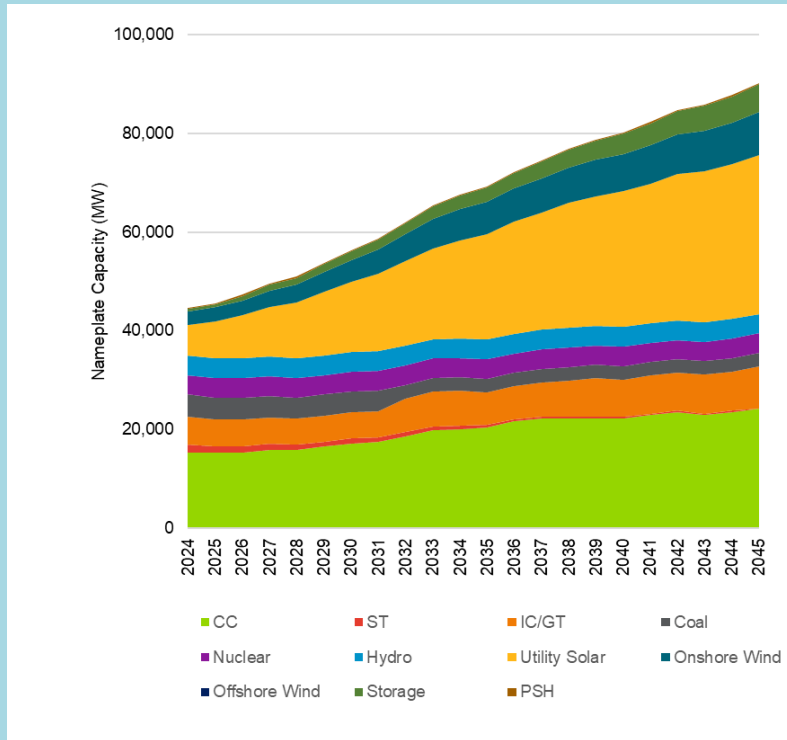


Holland & Knight



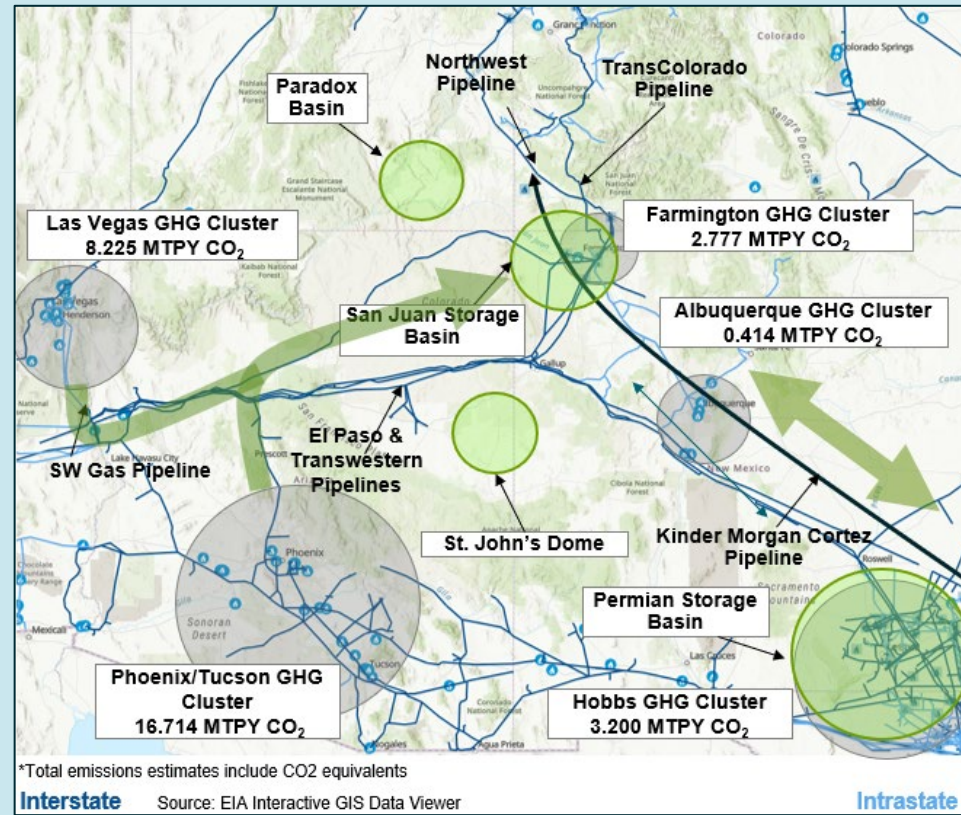
SWCCS Hub Vision

Enabling economic development and regional decarbonization through an at-scale carbon capture and storage deployment, as part of an “all of the above” approach, to achieve net-zero climate goals



Cumulative Generation Resource Build – Desert SW

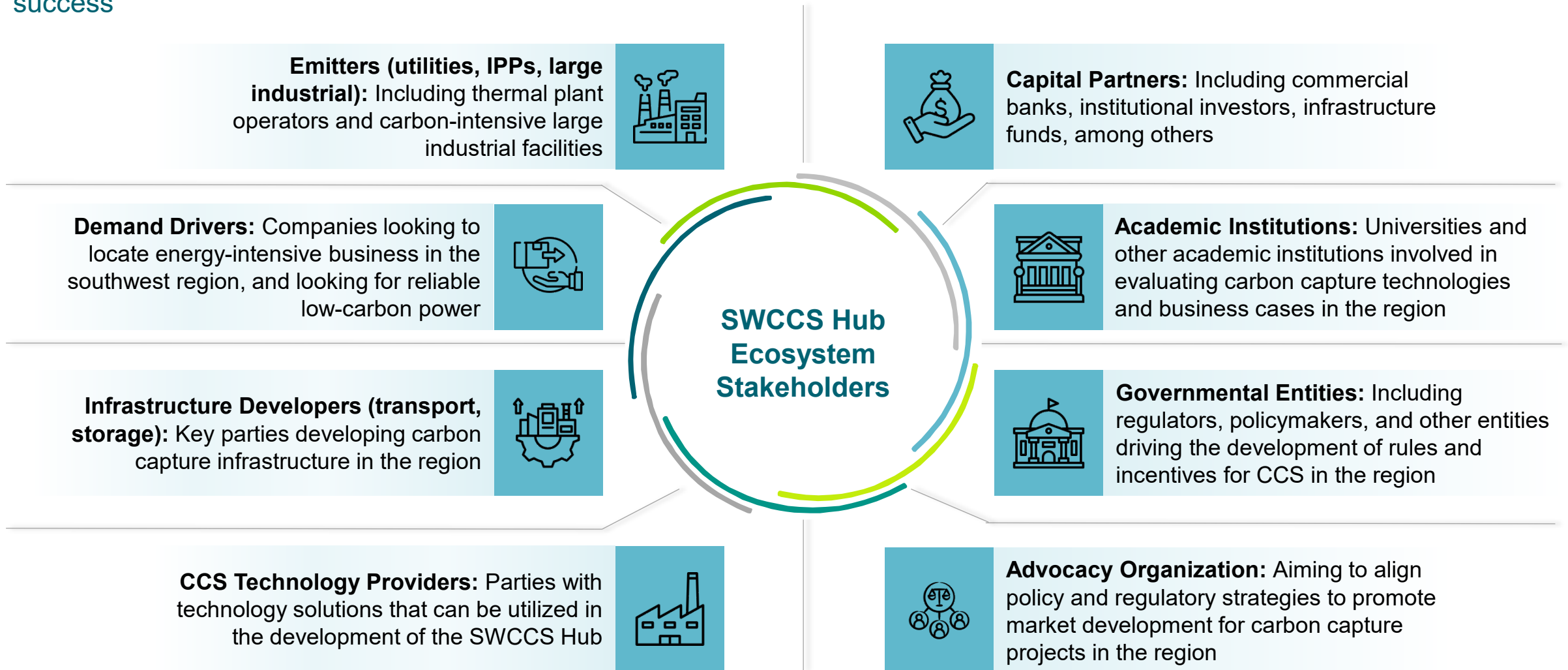
Source: Guidehouse projections based on regional ISPs/IRPs (SRP, AZPS, NEVP, TEPC, WALC, PNM, and EPE) updated April 2023



- Ample regional CO₂ storage capacity
- Collocate along existing pipeline corridors to minimize impact and streamline permitting
- Focus on GHG emission clusters
- IRA/BIL financially support the transition to a cleaner economy
- 45Q refundable tax credit would provide \$20 billion over 12 years for 20 million metric tons per year (MTPY) CO₂ CCS project

SWCCS Hub Ecosystem Stakeholders

Demonstrating the value and addressing the concerns of stakeholders across the ecosystem to essential to the Hub's success



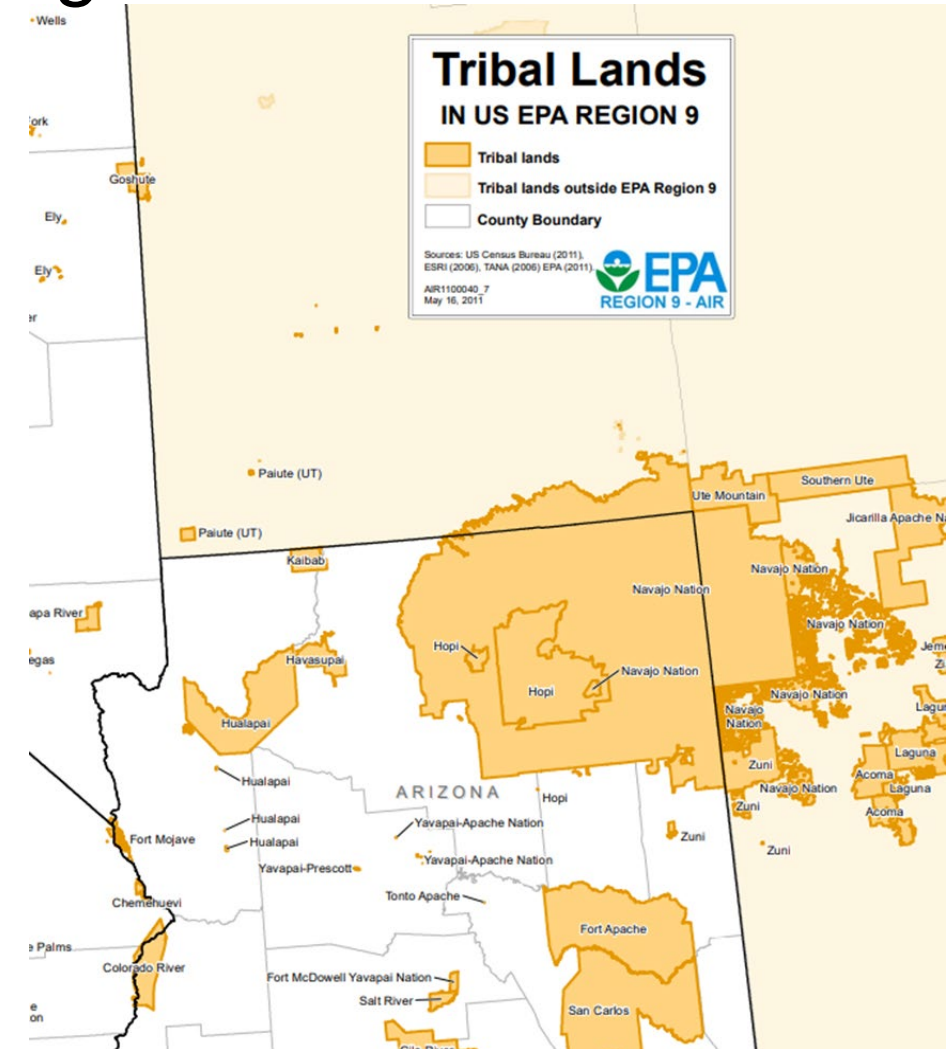
Tribal Nations Eligible for Federal Funding

At least \$700 million specifically set aside for tribal nations in the IRA. Tribes eligible for direct pay under 45Q credit

Land located within boundaries of an Indian reservation, pueblo, or rancharia; land owned by an Indian tribe; or land located in a census tract in which the majority of residents are natives or members of a federally recognized Tribe or village.

IRA – Tribal Energy Loan Guarantee Program

- \$75 million through 2026 from DOE towards investments in energy-related projects to eligible Indian tribes
- Increases total loan authority from \$2 billion to \$20 billion
- Non-exclusive list of eligible uses:
 - Electricity generation
 - Transmission/distribution facilities
 - Renewable/conventional energy sources
 - Generation facilities
 - Energy storage
 - Energy resource extraction
 - Refining/processing facilities
 - Energy transportation facilities, including pipelines
 - District heating/cooling
 - Distributed energy projects



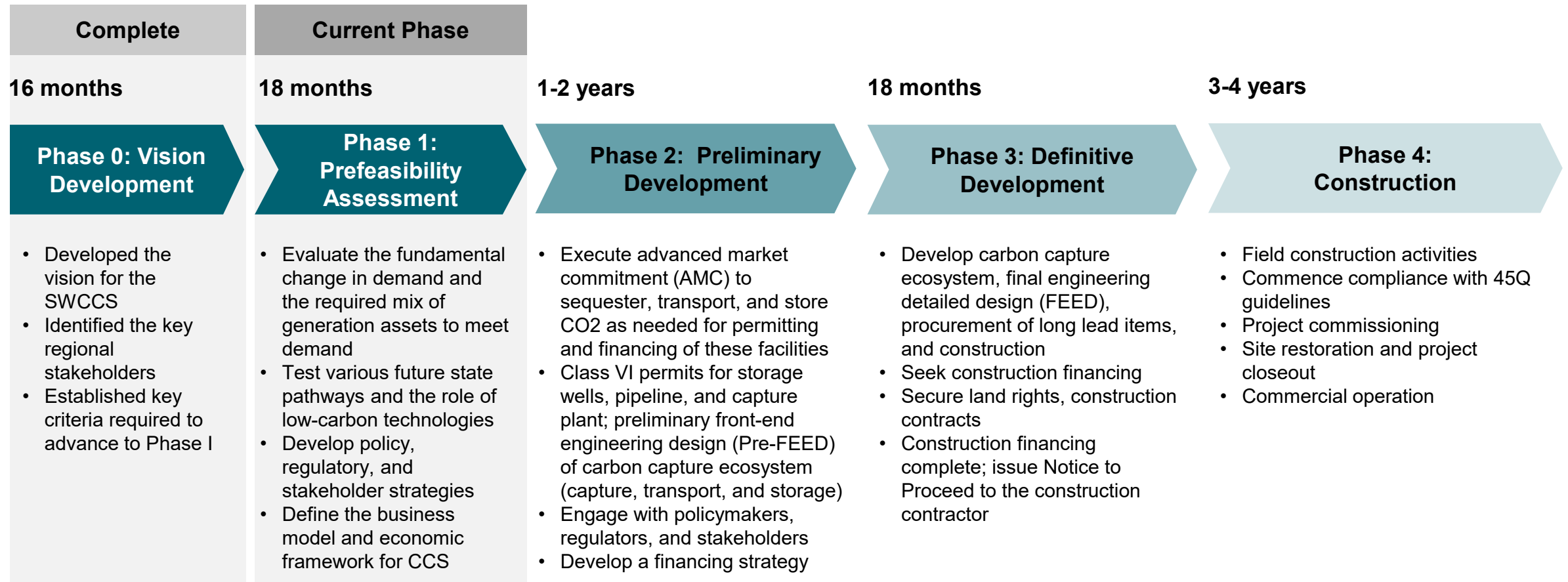
* This map is an incomplete tribal representation; its currently in the process of being updated.

Source: EPA

Sources: [US Code](#), [White House](#)

SWCCS Hub Development Timeline

The SWCCS Hub development project is moving into Phase 1 - Prefeasibility Assessment which will explore the technical and commercial viability of CCS and inform stakeholders of the regional economic impact in the Desert Southwest



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Thank You

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