



SOUTHERN UTE INDIAN TRIBE

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SOUTHERN UTE GROWTH FUND



# Carbon Capture and the Energy Transition

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Shane Seibel, Executive Director  
Southern Ute Indian Tribe Growth Fund



# Agenda

- Background on Southern Ute Indian Tribe and Growth Fund
- Coyote Clean Power Project
- Other Carbon Capture Projects
- Final Thoughts



# Southern Ute History

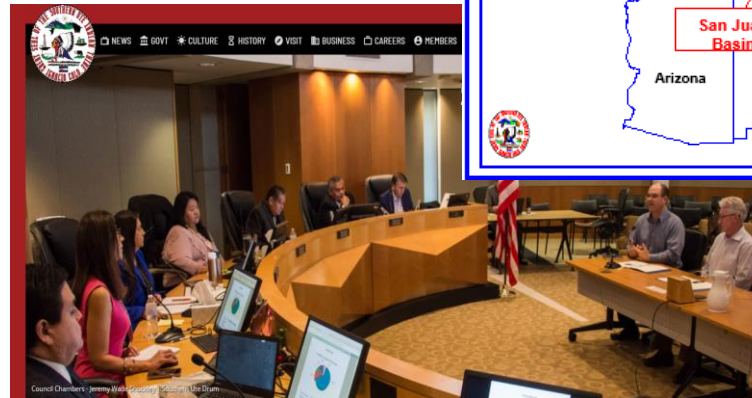
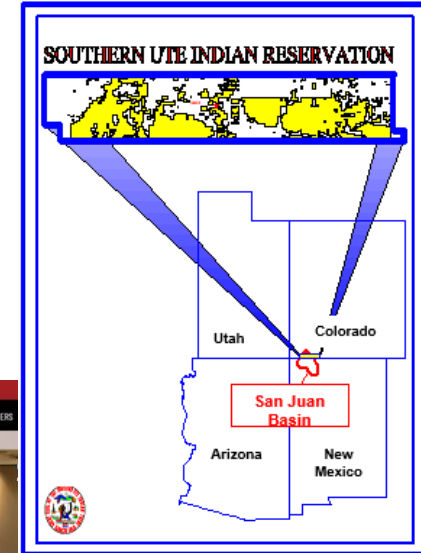


- The Ute people are the longest contiguous inhabitant within the State of Colorado
- Ute culture is to live off the land and establish a unique relationship with the ecosystem
  - Alternating hunting and gathering to allow the environment to replenish
  - Take only what is required
- Many cultural traditions are still practiced today: Bear Dance, Sundance



# Southern Ute Indian Tribe

- Permanent Fund – Tribal Government
- Growth Fund – Tribal Business
  - Energy investments: Upstream (1992), Midstream (1994) and Alternative Energy (2000s)
  - Real Estate investments in 13 states
  - Private Equity investments



# Coyote Clean Power Project

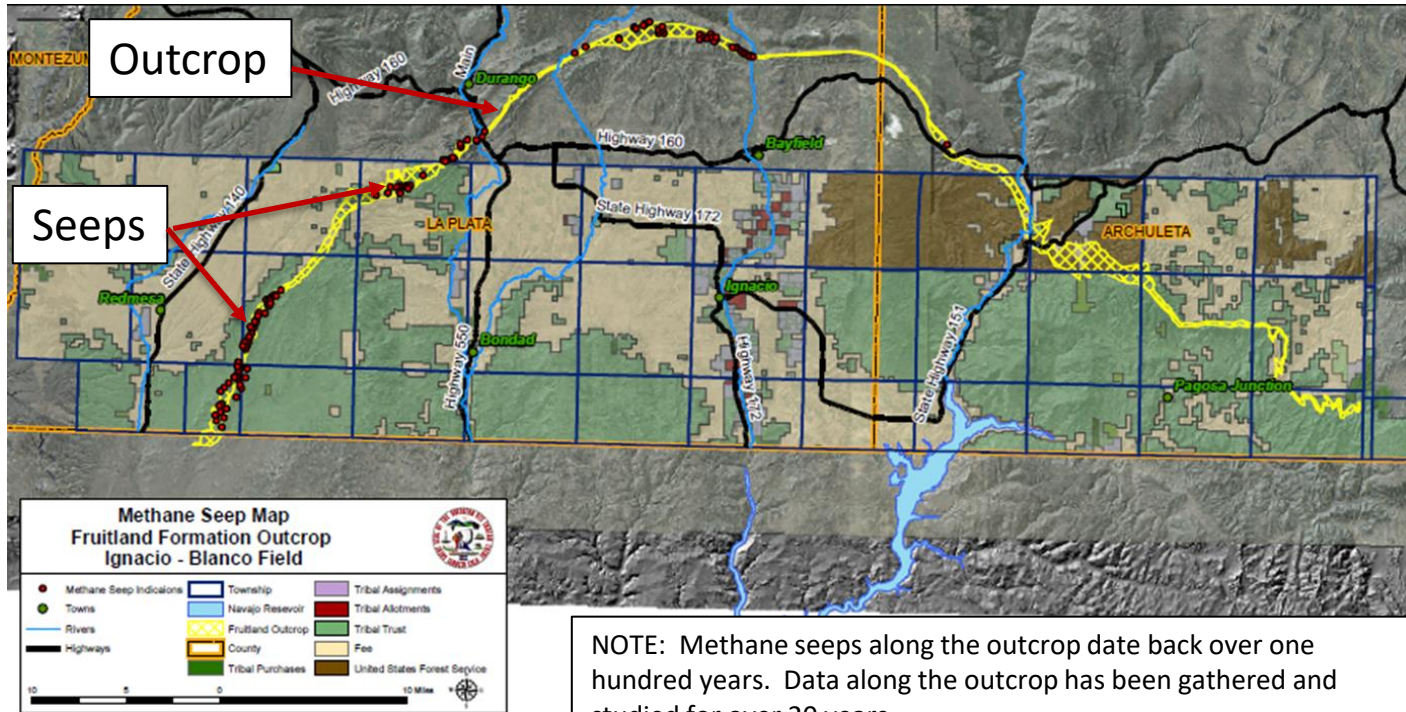


- Joint venture between the Southern Ute Indian Tribe and 8 Rivers Capital
- Develop, construct and operate a NET Power Plant to produce electrical from natural gas and capture emissions
  - Located on 18-acre brownfield site on Reservation
    - Leverage proximity to existing infrastructure (CO<sub>2</sub> pipelines, power lines and natural gas transmission lines)
    - Leverage infrastructure expertise from the Tribe's oil and gas businesses for NEPA, permitting and reservoir capabilities for carbon sequestration
  - Targeting 284 MWe of baseload power to market
  - Capture 97% of CO<sub>2</sub> emissions (does not capture fugitive CO<sub>2</sub> emissions from facility)





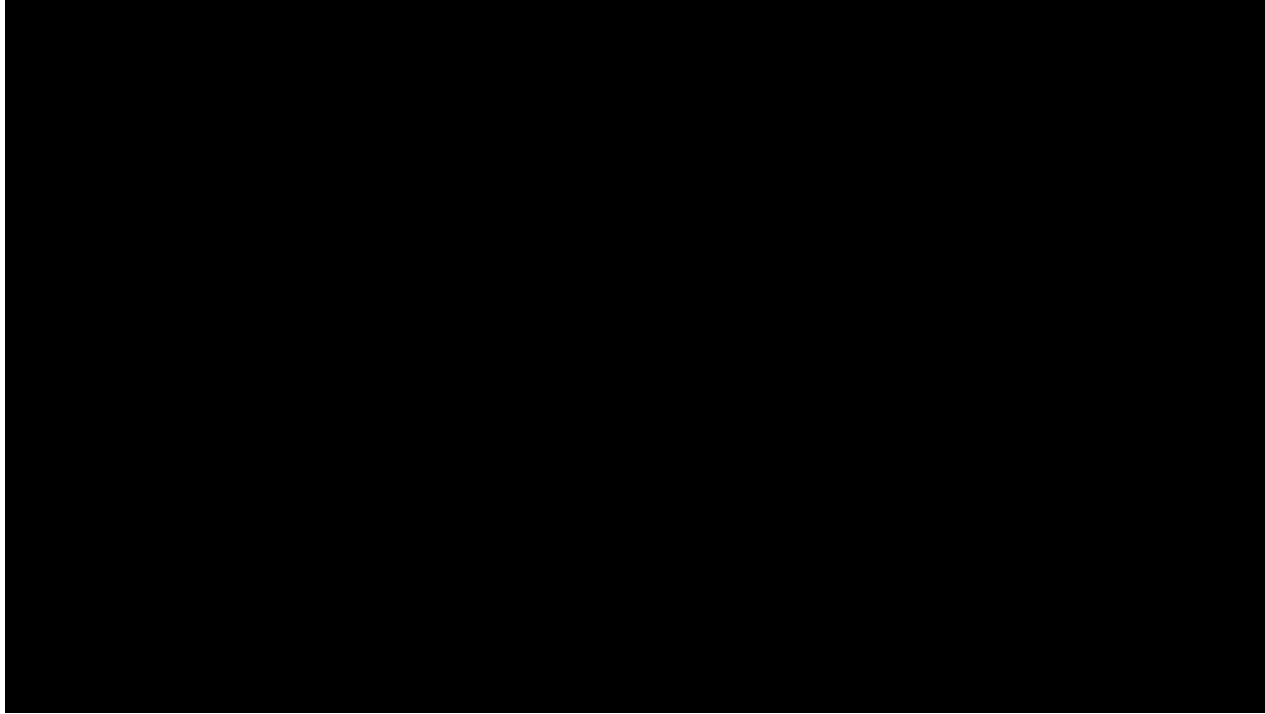
# Methane Seeps Due to Outcrop



NOTE: Methane seeps along the outcrop date back over one hundred years. Data along the outcrop has been gathered and studied for over 20 years.

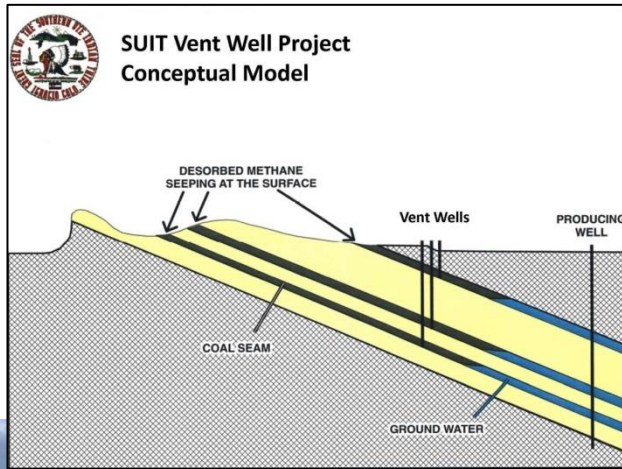


# Video of Methane Seeps





# Methane Capture Project



Methane seeps can kill vegetation through displacement of oxygen in the root system



- Over a 10-year period (2008-2018) the Tribe intercepted methane through vent wells prior to the methane venting along the Fruitland Outcrop
  - Gas was collected in existing oil and gas infrastructure, treated and sold to downstream market
- Successfully sold carbon credits equating to over 420,000 metric tons of CO<sub>2</sub>
  - Equivalent to CO<sub>2</sub> emissions from consuming 47 million gallons of gasoline or 91.3 thousand vehicles for one year
- Enhanced version of methane capture project underway to increase carbon capture



# Final Comments

- Indian Tribes are more than just landowners and energy has historically brought value to our Reservation
- Embrace new ideas including new technology and carbon capture to meet future challenges
- Embrace regional resources with an all of the above approach to achieve net zero energy deployment



Firmly rooted in our culture and traditions while planning for a better future for the generations to come.

