

# Economic Development & Policy Committee Escalante Generating Station

**Newpoint Gas, LLC**  
Sustainable Energy Innovation

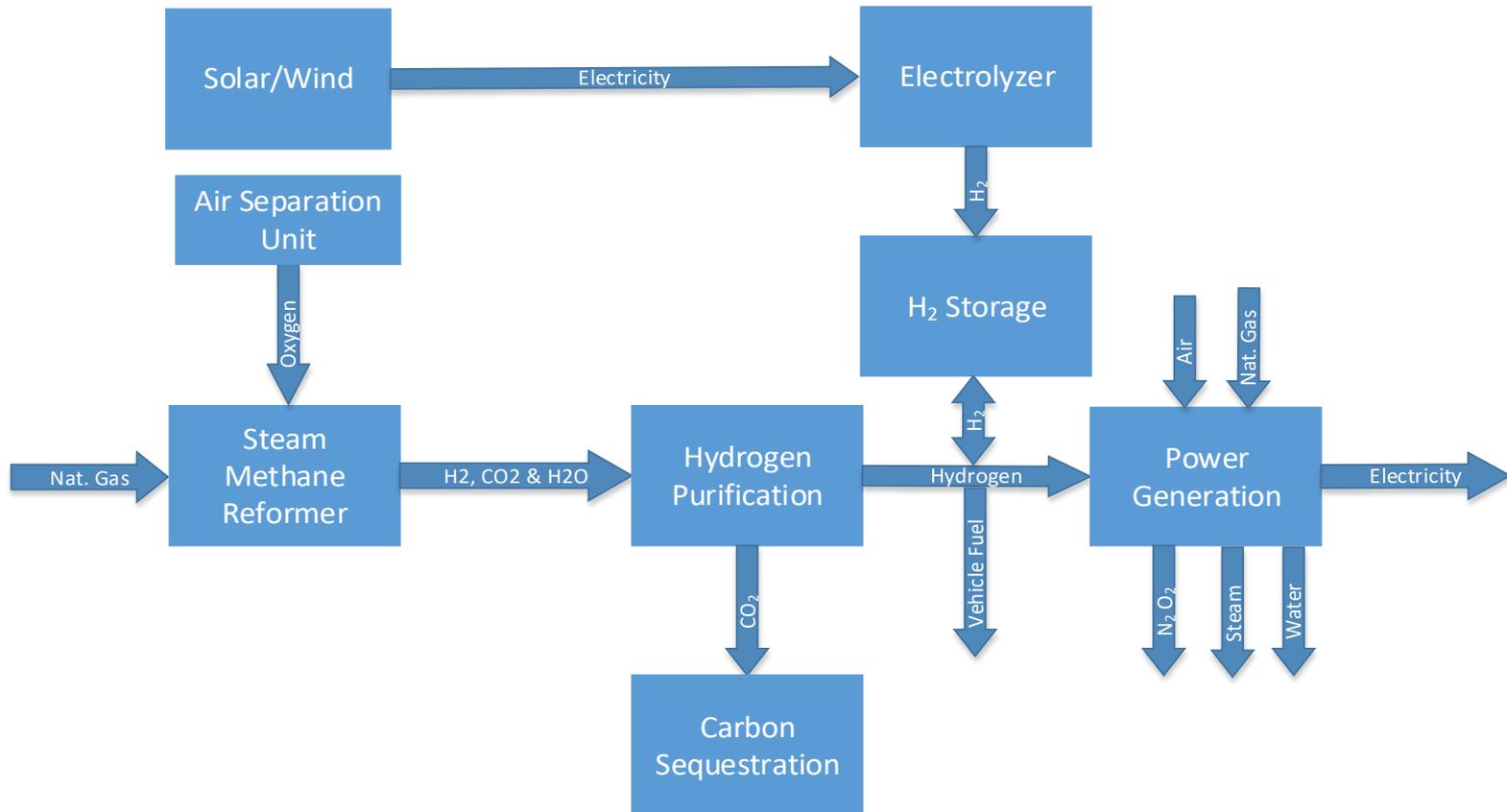
## Clean Hydrogen & The Future of New Mexico

September 13<sup>th</sup>, 2021



# Clean Hydrogen Fuel Technology Development Site

Utilizing solar and wind renewables to supplement heat and hydrogen production



**Clean Hydrogen Retrofitting results in millions of dollars in Capital Savings,  
Preserving Jobs and Reliable Zero Carbon Emissions Clean Fuel Production**

# Overview

### Summary

Escalante H<sub>2</sub>Power, LLC (eH<sub>2</sub>Power) – a partnership between Tallgrass Energy and Newpoint Gas, LLC

#### McKinley and Cibola Counties

The perfect location for the worlds first, from coal to clean hydrogen fuel project

- Strong Workforce
- Federal, State and Community Support
- Coast to Coast - Road, Rail, Pipeline Infrastructure

### Opportunity Overview

Upcycling Escalante to Hydrogen Fuel - Offers a lower cost option to zero carbon baseload dispatchable power generation -

#### Hydrogen Production at Scale

##### A Zero Carbon Fuel Option

- Green Cement Production and recycling retired wind turbine blades as cement aggregate
- Semiconductor Manufacturing
- Heavy Freight Transportation Hub – Road & Rail
- Passenger Transpiration Hydrogen Fueling Station
- Blending hydrogen into existing pipeline infrastructure lowering the carbon intensity at the point of use

### The Push for Decarbonization



VISTRA ACCELERATES PIVOT TO INVEST IN CLEAN ENERGY AND COMBAT CLIMATE CHANGE  
September 29, 2020



### Jobs - Jobs - Jobs

#### Construction Phase 18 to 24 Months

- 300+ Jobs

#### Natural Gas Conversion & Hydrogen Production

- O & M - 20 FT Jobs

#### Clean Hydrogen Electric Power Generation

- O & M - 55 FT Jobs

#### Green Cement w/ Wind Turbine Blade Recycle

- O & M - 20 to 30 FT Jobs

#### Heavy Freight Transportation Hub

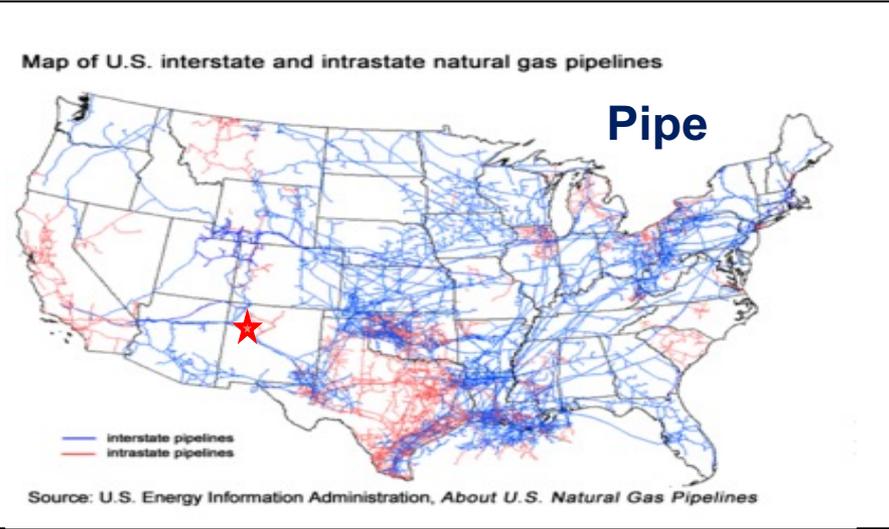
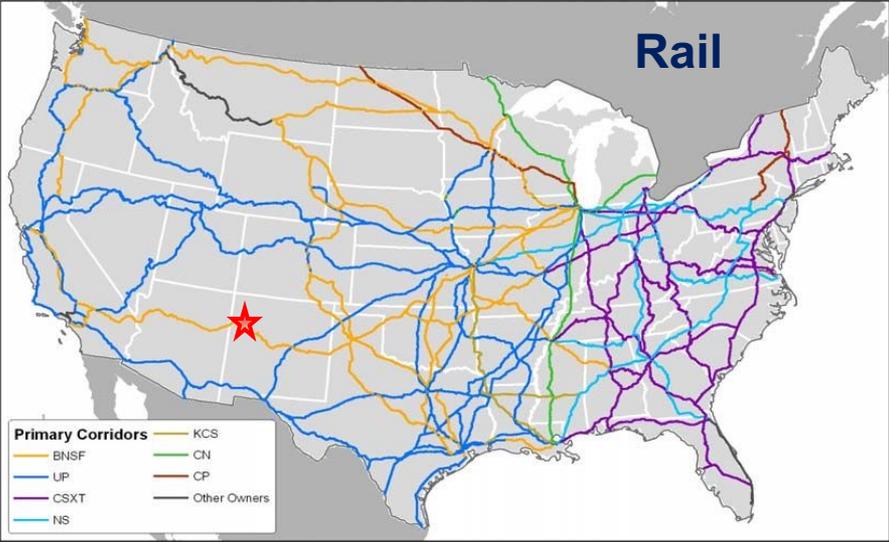
- O & M - 15 to 25 FT Jobs

#### Green Technology Development

- O & M - 5 to 25 FT & PT Jobs

**Total – 115 to 145 Jobs**

**Rail - Road - Pipe**



**In - Out - Through**

**Product & Clean Fuel Transportation Hub**

- Raw Products In** – Limestone, retired wind turbine blades, natural gas, paper recycling
- Products Out** – Zero carbon transportation fuel, green cement, hydrogen blended fuel gas
- Through** – The first clean fuel transportation hub for road & rail

# Connecting Prewitt – Coast to Coast



# PREWITT NEW MEXICO - THE FIRST STEP TO A LOW CARBON ECONOMY

