



**CITY COUNCIL EXECUTIVE COMMITTEE MEETING
CITY COUNCIL CHAMBERS, THIRD FLOOR, CITY HALL,
#1 CITY HALL PLACE, PUEBLO, COLORADO 81003.**

**MONDAY, FEBRUARY 13, 2023
5:30 PM**

Individuals Requiring Special Accommodations Should Notify the City's ADA Coordinator at (719) 553-2295 by Noon on the Friday Preceding the Meeting.

Executive Committee meetings are special meetings of the City Council and are informal Council meetings for the purpose of receiving information and discussion among Council Members; no official action is taken at such meetings. The public is invited to attend, but public comment is generally not received unless otherwise noted.

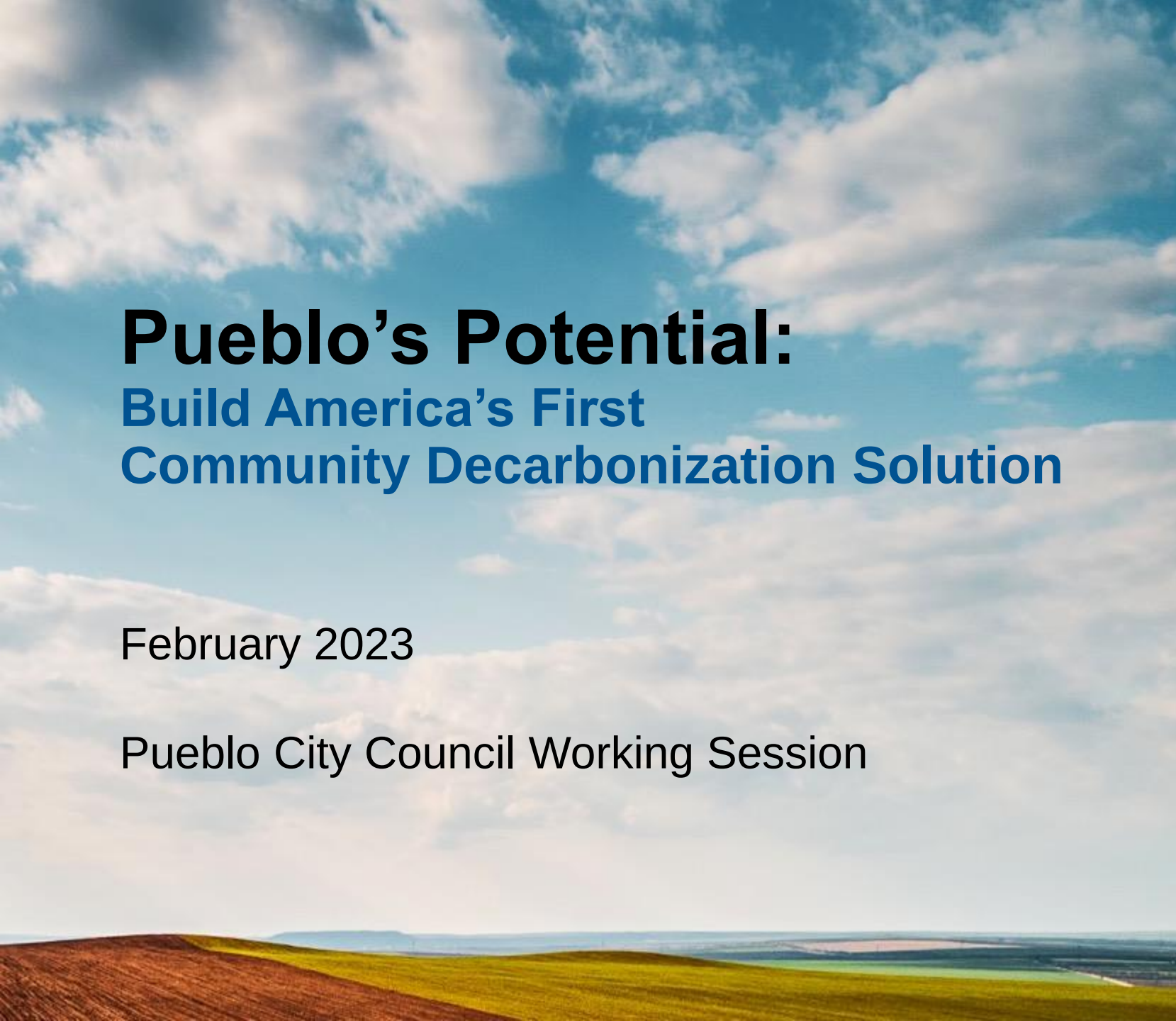
Agenda

CALL TO ORDER

PRESENTATIONS

- | | |
|---|-----------|
| A. CITY UPDATE
Laura Solano, Chief of Staff
5 minute presentation | 5:30 p.m. |
| B. CARBONSAFE PROJECT
Ashleigh Ross - VP for Strategic Engagements and Policy
John Brown - External Relations Manager
15 minute presentation | 5:35 p.m. |
| C. COLORADO DEPARTMENT OF HUMAN SERVICES
Leora Joseph - Director of the Office of Civil & Forensic Mental Health
Perry May - Deputy Executive Director - Health Facilities
15 minute presentation | 6:00 p.m. |
| D. CRAZY FAITH STREET MINISTRY - WARMING SHELTER UPDATE
Lonny Kainz
10 minute presentation | 6:25 p.m. |
| E. ARPA - FIRE STATION 11 & NEW COUNTY JAIL FIBER PROJECT
Lori Pinz, Director Information Technology
10 minute presentation | 6:45 p.m. |

ADJOURNMENT



Pueblo's Potential: **Build America's First** **Community Decarbonization Solution**

February 2023

Pueblo City Council Working Session



Carbon
America

Making climate change history

Agenda

2030 Targets and Opportunities	How to accelerate Colorado's GHG Emissions Roadmap
Pueblo Impact	Why CCS, Why Now: Pueblo's opportunity to be global leader
Project Scope	Dept of Energy CarbonSAFE Program and proposal details
QA	Answer questions and discuss next steps

How to accelerate Colorado's GHG Emissions Roadmap

CARBON EMISSIONS



50%
By 2030

**Pueblo's Diverse
Economy Heavily
Impacted**

- Aerospace & Defense
- Chemical & Construction Manufacturing
- Food & Beverage Production
- Electric Power Generation

CARBON CAPTURE & STORAGE

45Q TAX CREDIT

**\$85 Metric Ton
CAPTURED CO2**

INFLATION REDUCTION ACT

\$369B

CLIMATE CHANGE

DEPT OF ENERGY Funding Allocation

\$2.25B

**Carbon Storage Assurance
Facility Enterprise
(CarbonSAFE)**

program to identify and
characterize geology capable of
sequestering

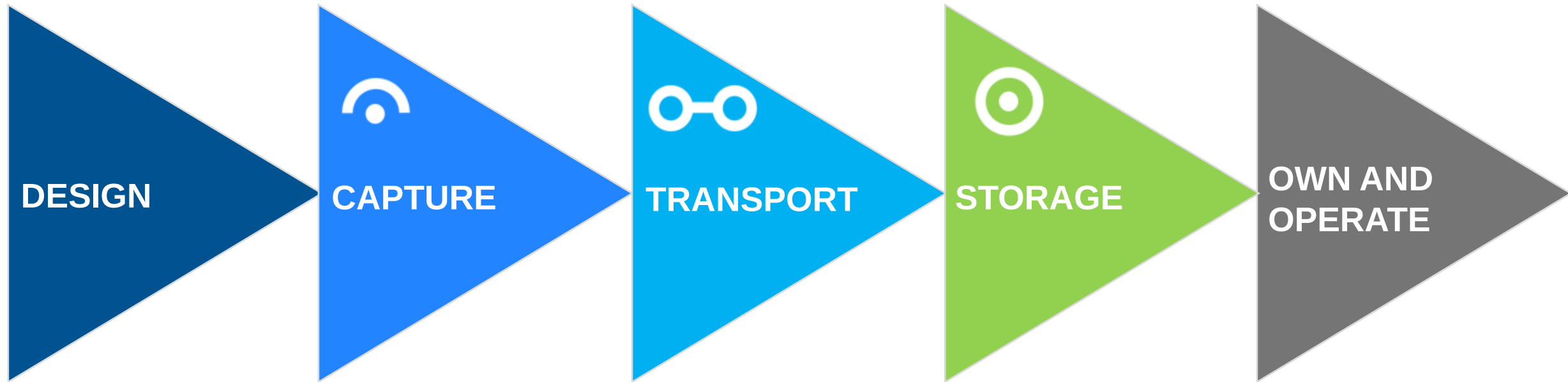
50 million

metric tons of CO2
over 30 years

Carbon America

Founded in 2019, our mission is to quickly and safely capture and sequester as much CO₂ as possible

End-to-End Development – Full Liability for the Life of the Project





Carbon Capture and Sequestration (CCS)

CCS is a proven technology to reduce CO₂ emissions and permanently trap it in geological formations deep underground.

- **50+ years of capture system operating experience** due to gas pipeline specifications
- Over **40+ year process** used in oil recovery is the basis of CO₂ injection techniques for sequestration (100s of CO₂ injection wells in US)
- **No loss of life** or significant environmental incidents
- Over **5,000 miles** of CO₂ pipeline in the US
- **Regulated by the EPA** and other federal, state and local permitting
- Well known geology: **141,000 wells** in Carbon America's DJ Basin Database
- **21 large-scale projects** under development in the U.S.

1 | Carbon Capture

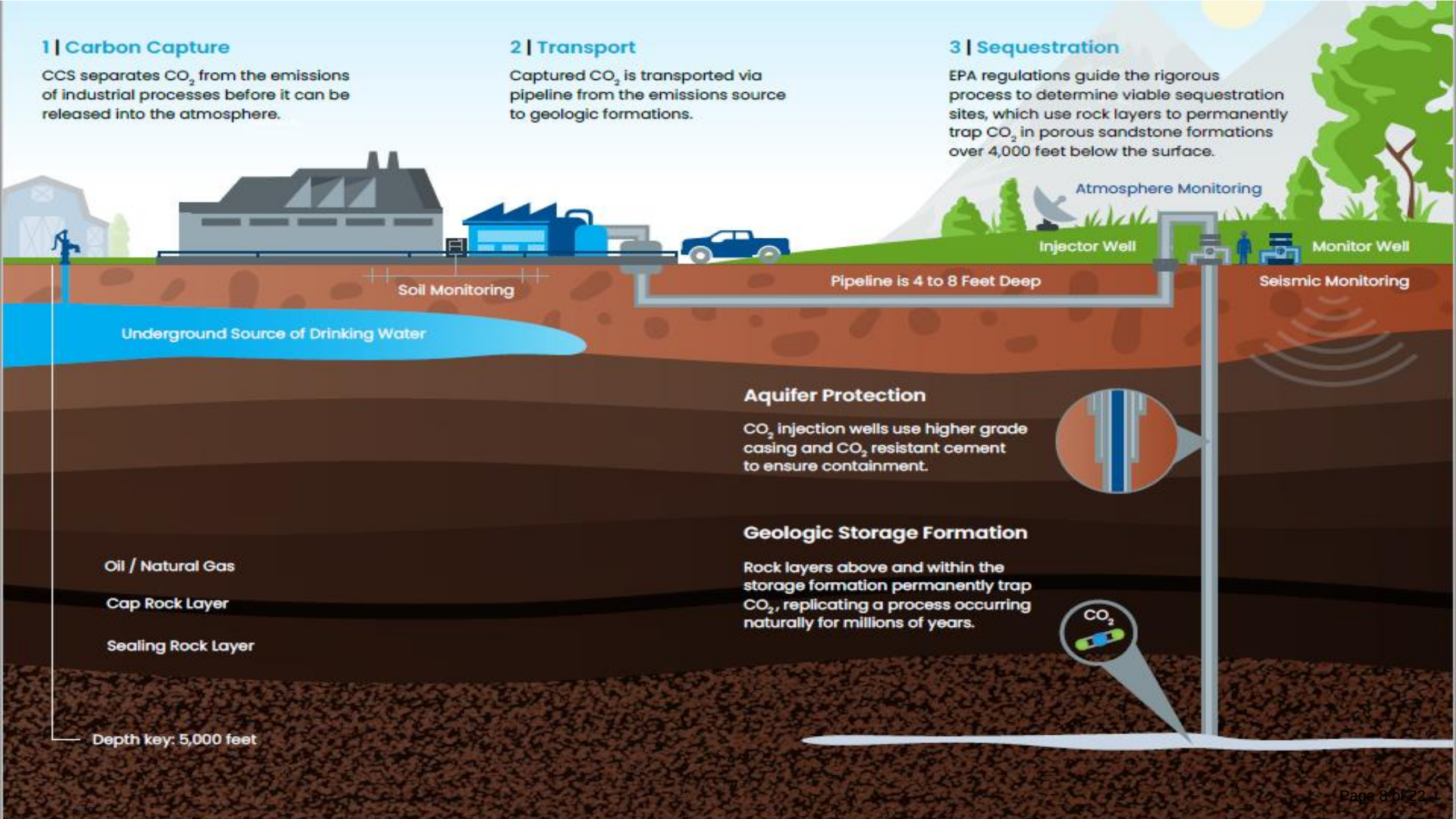
CCS separates CO₂ from the emissions of industrial processes before it can be released into the atmosphere.

2 | Transport

Captured CO₂ is transported via pipeline from the emissions source to geologic formations.

3 | Sequestration

EPA regulations guide the rigorous process to determine viable sequestration sites, which use rock layers to permanently trap CO₂ in porous sandstone formations over 4,000 feet below the surface.



The Pueblo Opportunity

Project Eos “Goddess of the Dawn”
for Pueblo to emerge as the leader
in a just energy future

Community-centric Solutions

Drive a revolution in public perception of CCS through local approach and benefits.

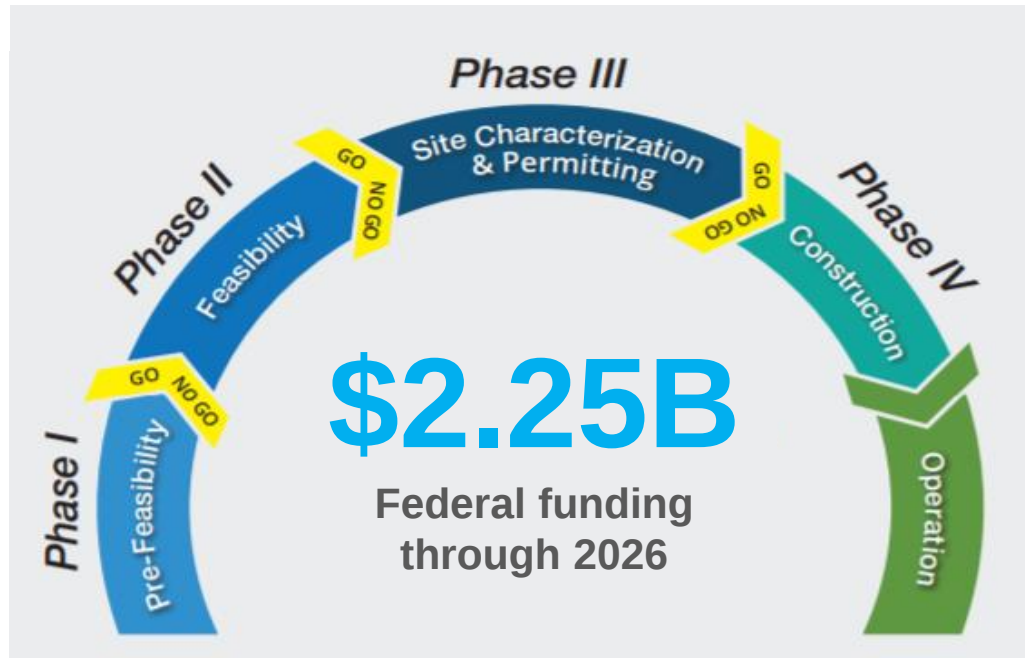
Local Impact, Global Attention

Demonstrate how CCS can enable broader clean energy and environmental justice solutions.

Economic Development

Attract new industry that can benefit from regional decarbonization effort.

Department of Energy CarbonSAFE Program



Application Status

- Applied to Phase III for **\$32m**; \$8m provided by CA
- Selection notification expected **mid March**
- Award date expected **August**
- Carbon America is committed to continuing project evaluation regardless of DOE grant outcome

Project Partners to Leverage Expertise

What we need to demonstrate

- Size, shape, and contents of geologic targets
- Size, shape, and quality of seals to prevent movement
- Lack of leakage pathways (natural or artificial)
- Protection of drinking water and the environment

**Carbon
America**



CarbonSAFE Project Eos Objectives

Develop Commercialization Plan

- Prove up two anchor locations to establish a sequestration fairway with the potential to offer the **most cost-effective solution for industrial facilities to accelerate CO₂ emission reduction goals.**

Stakeholder Engagement

- Incorporate two-way engagement and stakeholder feedback for development and planning of a **long-term commercial sequestration hub in support of sustainable economic and social development goals.**

Key Community Partnerships Envisioned

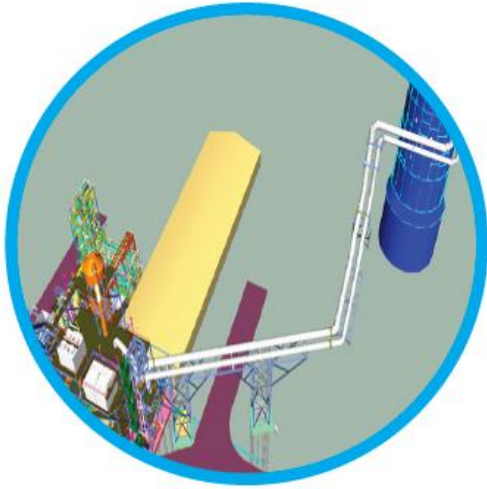


Supporting Stakeholders



Project Eos

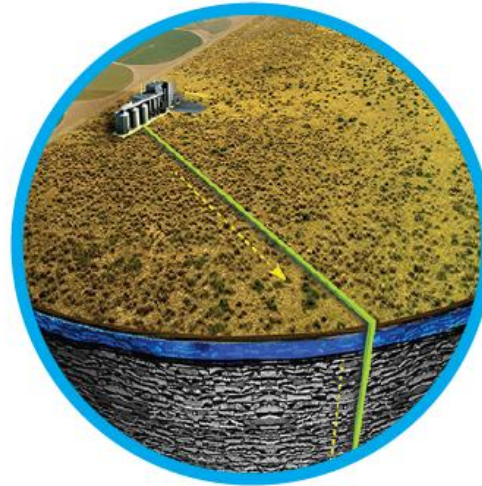
Project Status as of February 8, 2023



CAPTURE

Discussions with local existing and potential new CO₂ sources.

Goal: **Pilot new technology** that captures **over 99% of CO₂**, plus sulphur oxides (SO_x), nitrogen oxides (NO_x), mercury, particulate matter. Exploring Direct Air Capture (DAC) deployment with DOE funding.



TRANSPORT

Pipeline prefeasibility based on underground CO₂ sequestration being located **25 to 60 miles northeast of city center**.

Social, economic and environmental considerations part of pipeline route studies.



GEOLOGIC STORAGE

Existing scientific data indicates ideal geology for **CO₂ storage over 4,000 ft underground**.

Planning for 3D seismic data collection and geologic sampling wells to validate storage capacity and structural integrity of potential sequestration fairway.

Thank You and Questions

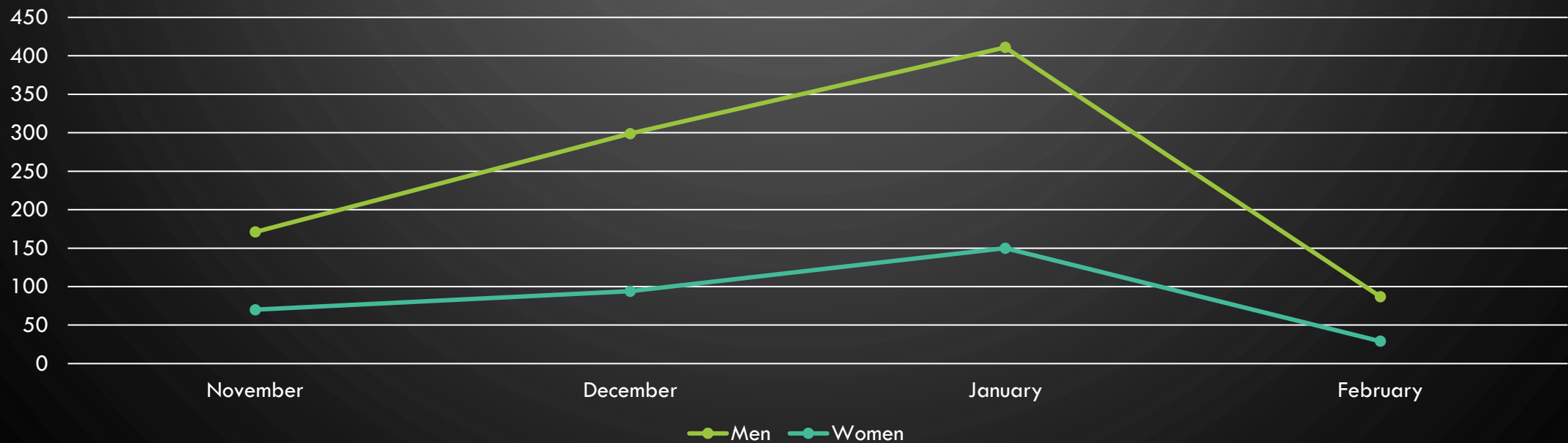


The background is a dark, textured grey with numerous realistic water droplets of various sizes scattered across it. Some droplets are large and prominent, while others are small and subtle. The droplets have highlights and shadows, giving them a three-dimensional appearance.

CRAZY FAITH
EMERGENCY OVERNIGHT
WARMING CENTER
UPDATE

We have been able to help 968 men and 343 women, for a grand total of 1311 people so far. Typically, we are over capacity on the men's side. Our goal next year is to have the building for men only and get another building for women.

Number of people helped each month



2022-2023 ACCOMPLISHMENTS

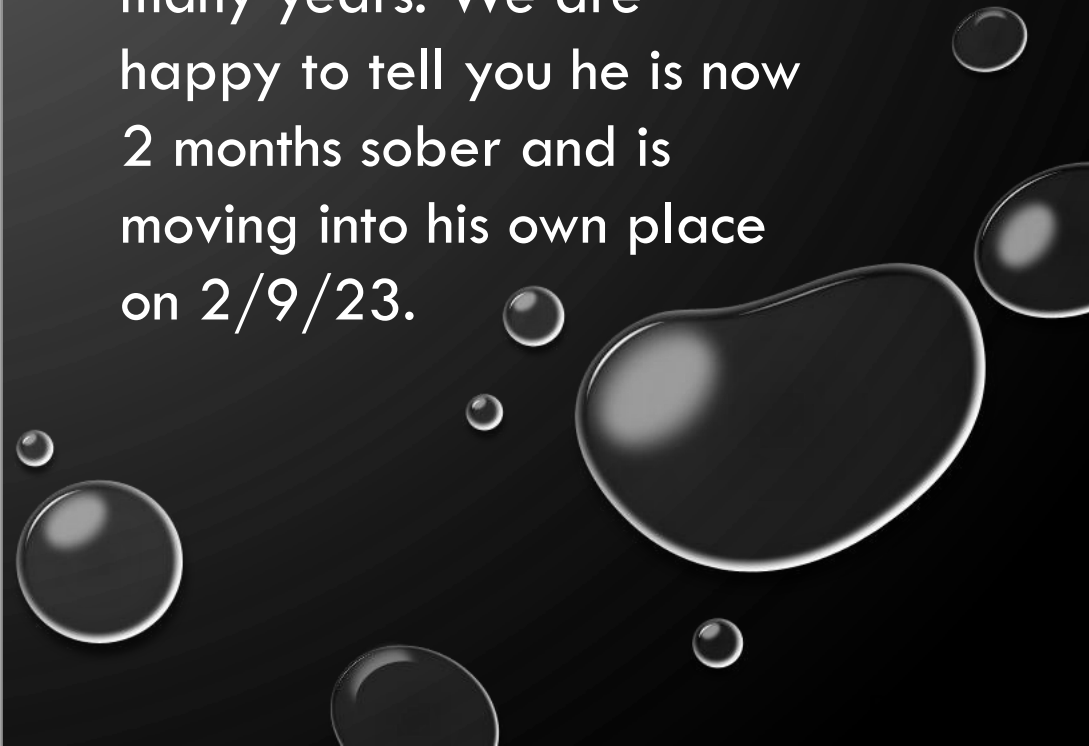
- *A PLACE TO GET A WARM MEAL
- *SECURE AND WARM PLACE TO STAY
- *LESS STRAIN ON PD AND PSPD
- * KEEPING PEOPLE OUT ER/ HOSPITAL





This is Kenny aka "Ken Dog"

Kenny is a 61-year-old, Pueblo native. He has been living on the streets for the last fifteen years. He has suffered from chronic alcoholism for many years. We are happy to tell you he is now 2 months sober and is moving into his own place on 2/9/23.





THANK YOU CITY
OF PUEBLO FOR
CARING FOR
OUR UNHOUSED
POPULATION
AND KEEPING
WARM ,THIS
WINTER.



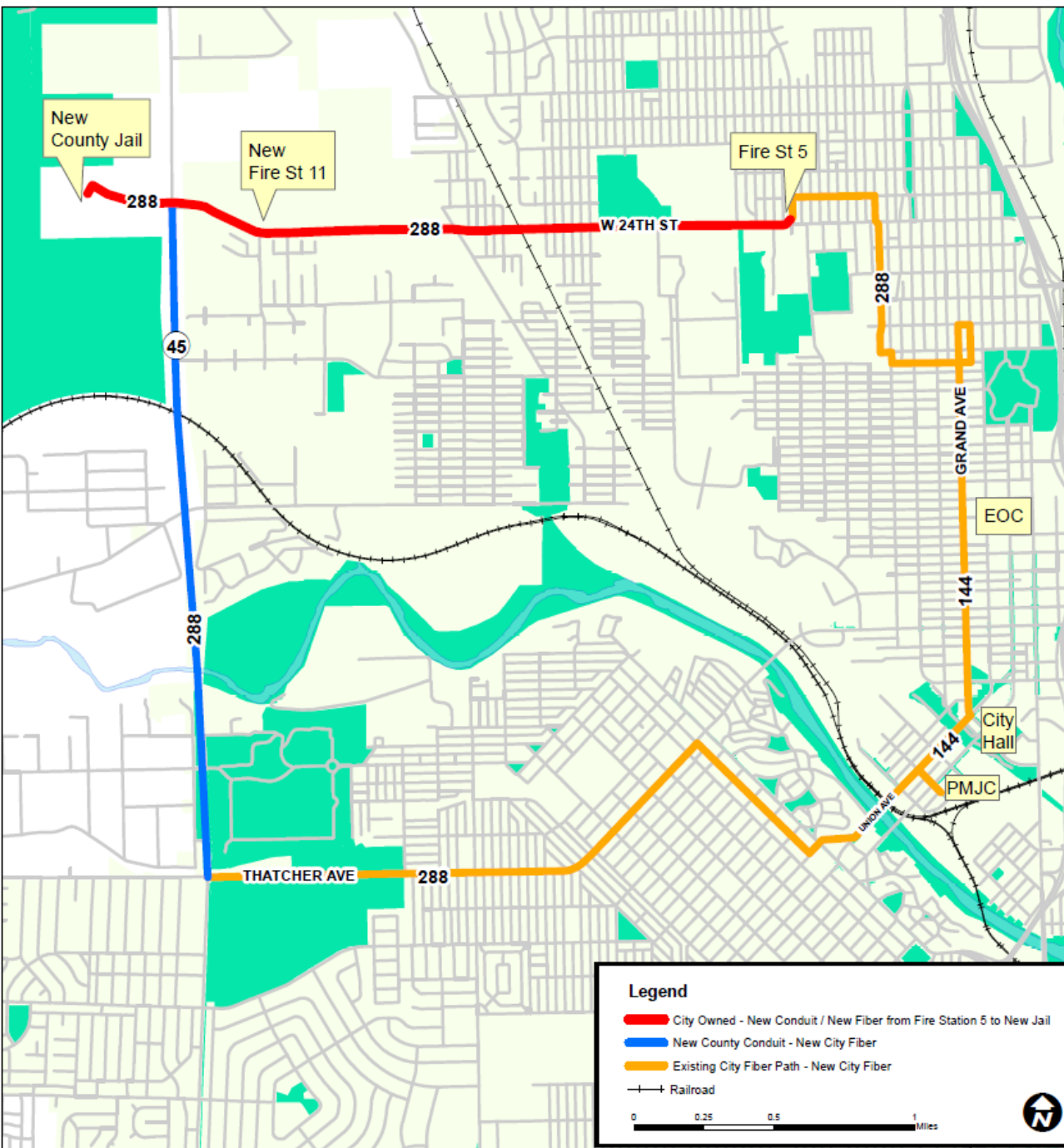
City of Pueblo and Pueblo County Joint Fiber Project

City Council Work Session
February 13, 2023

Presenter: Lori Pinz, Director of Information Technology

Joint City and County Fiber Project Fire Station 11 and New Jail

Fiber Run Description	Cost Responsibility	City Cost	County Cost	Total Cost	Ownership
Old EOC (Grand) to New Fire Station 11	Cost Split 50/50	\$339,425	\$339,425	\$678,850	City owned conduit and fiber. Fiber strands split 50/50
New Fire Station 11 to New Jail	Pueblo County		\$112,700	\$112,700	City owned conduit and fiber. Fiber strands split 50/50
Redundant route for fiber ring back old EOC (Grand)	Cost Split 50/50	\$232,850	\$232,850	\$465,700	County owned conduit/City owned fiber/fiber strands split 50/50
W 24th Railroad Permit	City of Pueblo	\$25,000		\$25,000	Cost estimated. City of Pueblo will hold permit
Total Project Costs		\$597,275	\$684,975	\$1,282,250	



Questions And Answers

