Building What's Next: AC-REP's Northwest Region Bus Tour

October 15th 8 am – 12 pm

- **Depart Denver Premium Outlets**
- **Coffee Break & Tour: Anythink Nature Library**

Register via main calendar page:

Thanks to our Title Sponsor:

AC-REP
DEVELOPMENT COUNCIL

Innovation and Opportunities Around Energy Supply

September 3, 2026

AC-REP LEADERSHIP CIRCLE

AC-REP

ADAMS COUNTY COLORADO

Adolfson & Peterson Construction

Brownstein

the human energy company Chevron

CommonSpirit

CORE ELECTRIC COOPERATIVE

DEN

fitzsimons Innovation Community

HCA HealthONE

MANUFACTURER'S EDGE

U.S. ENGINEERING

UNITED POWER Your Touchstone Energy® Cooperative

Xcel Energy

Agenda

- Welcome – Commissioner Kathy Henson and Nichole Bruce, Co-Chairs
- Q3 Theme: Innovation
- Innovation and Opportunities Around Energy Supply
  - Barrett Jensen, Waste Connections
  - Laura Roberts, Xcel Energy
  - Cat Campbell, Tallgrass
- Panel Q & A
- Networking

Barrett Jensen
Government Affairs Manager

WASTE CONNECTIONS OF COLORADO
Connect with the Future®

Waste Connections, Front Range Landfill & Gas-to-Energy

RNG + electric generation

Front Range Landfill

Waste Connections: Integrated Environmental Services

Waste Connections provides non-hazardous waste collection, transfer and disposal services, along with resource recovery primarily through recycling and renewable fuels generation.

~9M
residential, commercial and industrial customers

46
states in the U.S.

6
Canadian provinces

24,000 +
employees

Resource recovery through recycling and renewable fuels generation

Sustainability

$500M

investment toward long-term sustainability targets

$200M

included toward RNG plants

41%

improvement in emissions intensity since 2019

4.1x

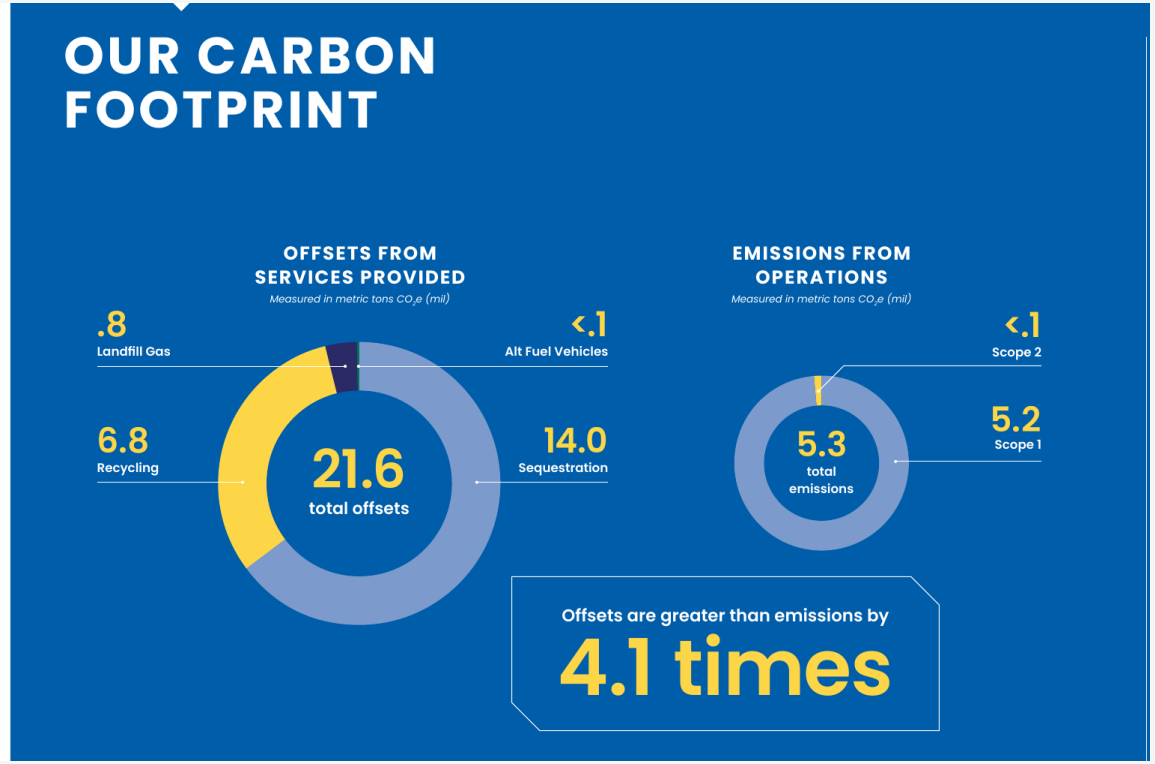
operational offsets exceeded 2023 emissions

13%

decline in Scope 1 and 2 emissions since 2019

21.6M

MT CO_2e in 2023 operational offsets or avoided emissions



Core message: the Front Range facility fits within a company-wide priority to recover value from waste, reduce emissions intensity, and expand beneficial gas use.

Gas-to-energy at Waste Connections

26

beneficial use facilities through electric generation or RNG production

10

RNG facilities, including one of the largest in North America

~12

additional RNG plants contemplated with over $200M investment

Landfill Gas Recovery

30.1B SCF

collected for energy in 2023

58

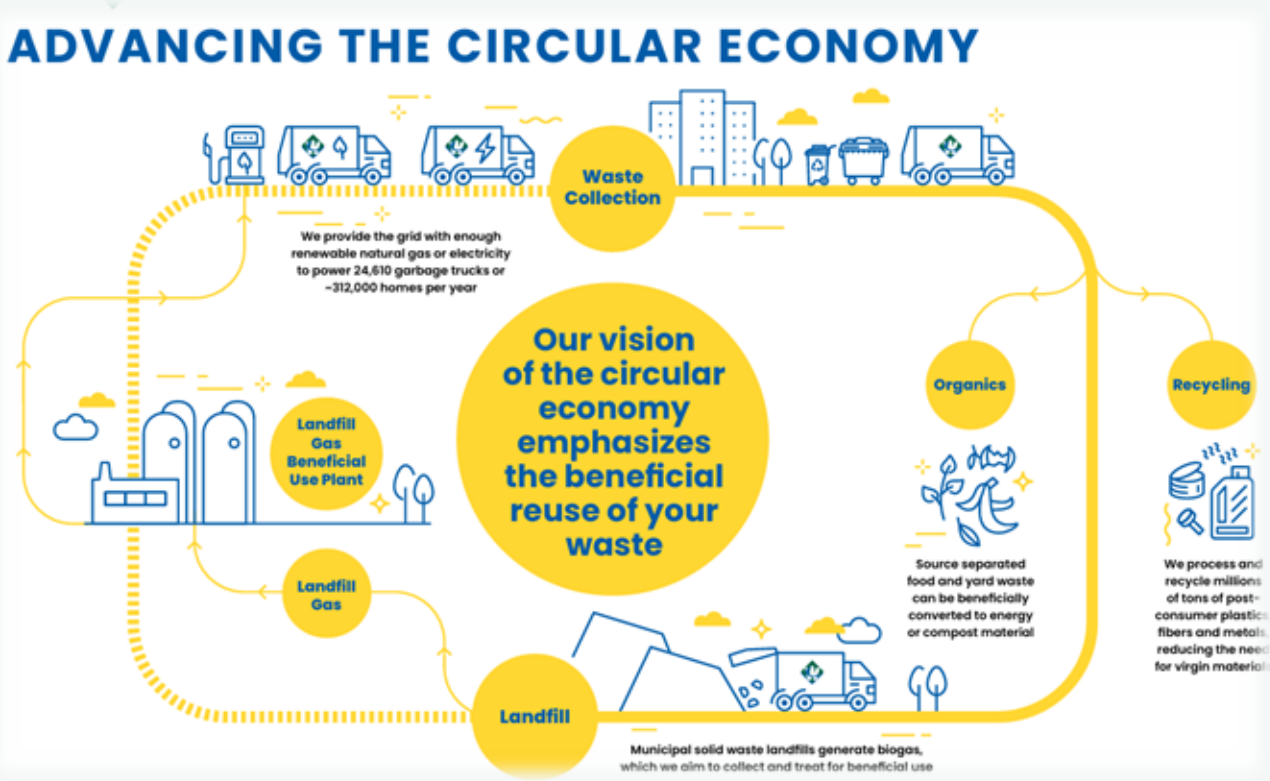
landfill gas recovery systems in 2023

788,221 MTCO$_2$e

avoided GHG emissions due to beneficial use of biogas in 2023

24,610 trucks

or ~312,000 homes powered annually from RNG/electricity



Front Range Landfill: Engineered Infrastructure

“A landfill is a solid waste facility that’s engineered and managed to protect the surrounding water, air, and land.”

Air

Landfill gas is generated as waste breaks down, and the site is managed to prevent excess emissions.

Water

Engineered liners separate the ground from the landfill to help prevent liquids from reaching water supplies.

Land

Waste is covered with soils and/or liners to reduce emissions, odor, and litter.

Front Range Landfill Sustainability

2,500

houses powered from annual gas collection equivalent

2,000

gasoline cars fueled from annual gas collection equivalent

10M

trees annually in carbon storage equivalent

Front Range Landfill Sustainability

Resource Recovery: Landfill Gas

- Front Range Landfill has been capturing landfill gas as a safe and renewable energy source.

- The landfill gas project utilizes gas from Front Range Landfill and two adjacent closed landfill to produce up to 24,000,000 kwh's of electricity a year- enough to offset the annual usage of 2,500 homes.

.

Organic waste breaks down in municipal solid waste landfills and creates methane

The landfill's methane is collected through a perforated piping system of gas extraction wells

The gas is collected and sent to Archaea Energy's landfill gas to energy plant to be used as electricity.

Archaea Energy's landfill gas to energy plant

Recycling Infrastructure: the Denver MRF

AI-enabled material recovery for changing waste streams

Our MRF will process up to 62,000 tons of recycling annually, equivalent to...

6,200 School Buses Stacked*

Laura Roberts
Senior Director, Gas Conceptual Design and Planning

Xcel Energy®

XCEL ENERGY

Laura Roberts
Senior Director, Gas Conceptual Design and Planning

XCEL ENERGY

Four
Operating Companies

Eight
States

3.9 Million
Electric Customers

2.2 Million
Natural Gas Customers

$47 Billion
2024 Rate Base

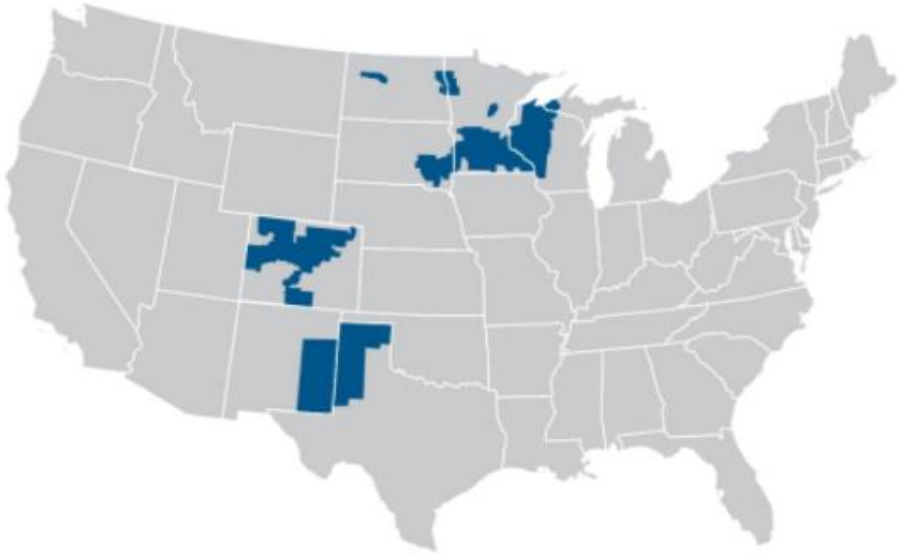
21 GW
Owned Gen. Capacity

~11,000
Employees

As of 12/31/2024

Northern States Power Minnesota (NSPM)
- 2024 Rate Base: $17.5 billion
- 2024 Ongoing EPS: $1.41
- 2025 - 2029 Base Cap Ex: $13.2 billion

Northern States Power Wisconsin (NSPW)
- 2024 Rate Base: $2.6 billion
- 2024 Ongoing EPS: $0.24
- 2025 - 2029 Base Cap Ex: $3.3 billion

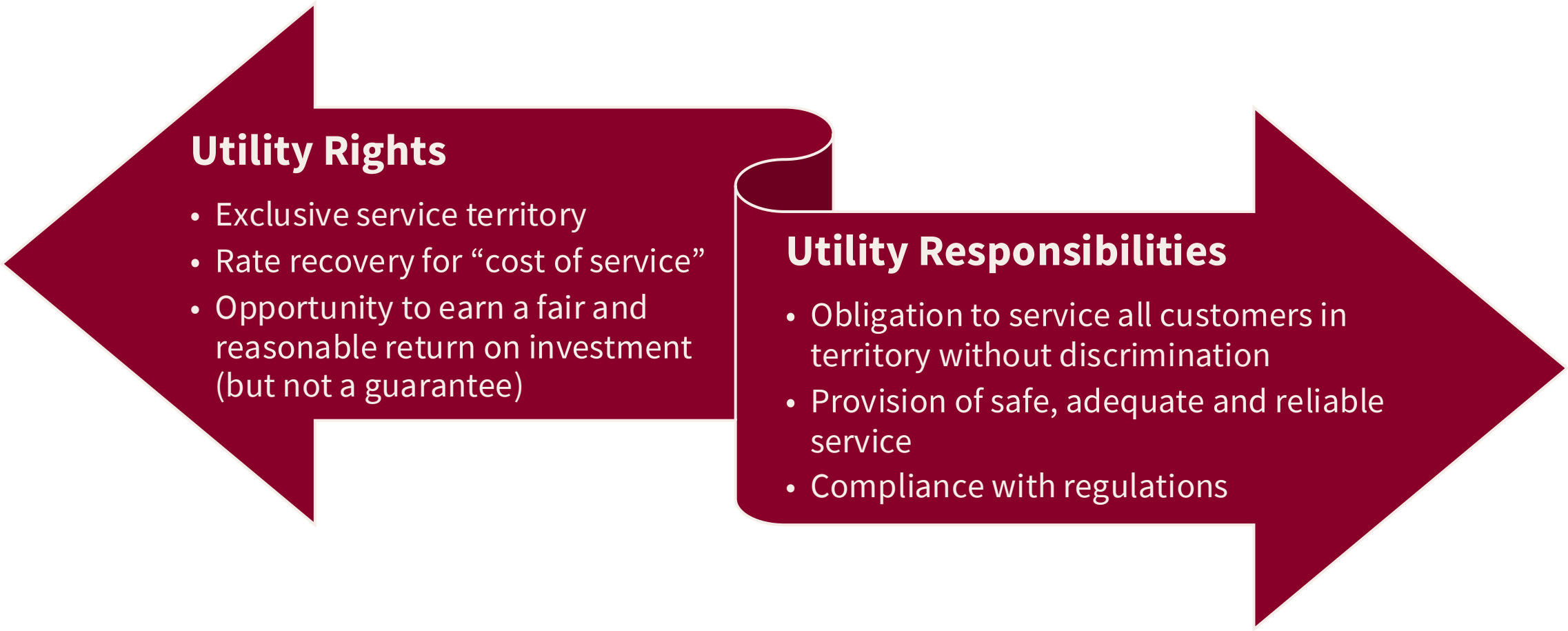


Public Service Company of Colorado (PSCo)
- 2024 Rate Base: $19.2 billion
- 2024 Ongoing EPS: $1.39
- 2025 - 2029 Base Cap Ex: $22.3 billion

Southwestern Public Service (SPS)
- 2024 Rate Base: $7.5 billion
- 2024 Ongoing EPS: $0.70
- 2025 - 2029 Base Cap Ex: $6.3 billion

Regulatory Compact

Implied agreement between the regulators and the regulated



OUR GAS SYSTEM

Mission

To make energy work better for our customers, helping them thrive every day

Gas Objective

To make energy work better for our customers by making safety our top priority and driving toward event free operations

Asset Families

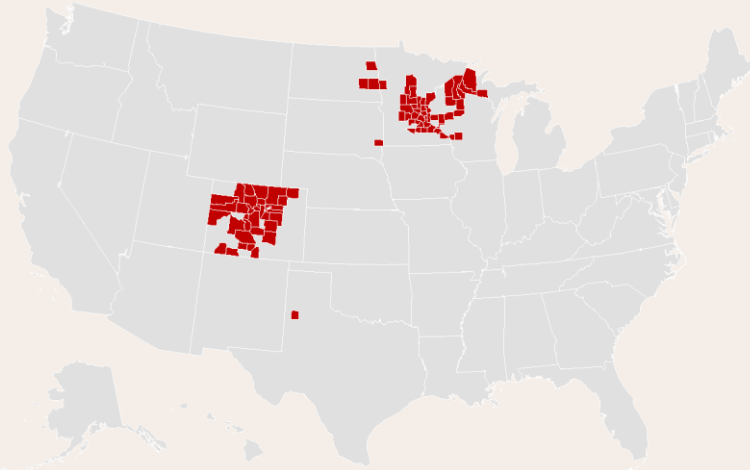
1. Compression & Processing
2. Gas Storage
3. Transmission Pipe
4. Distribution Pipe
5. Measurement & Control
6. Customer-connected Equipment
7. Data

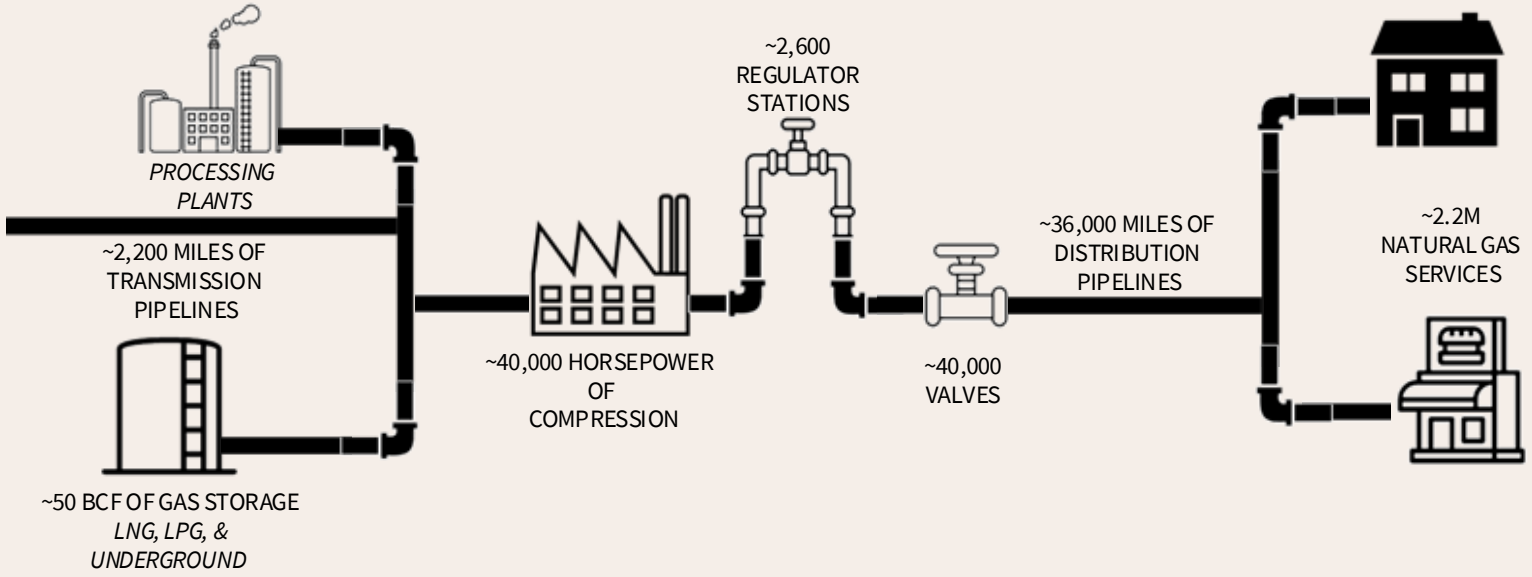
ANNUAL DELIVERIES:
407 BILLION CUBIC FEET (BCF)

8TH LARGEST US GAS UTILITY BY DELIVERIES

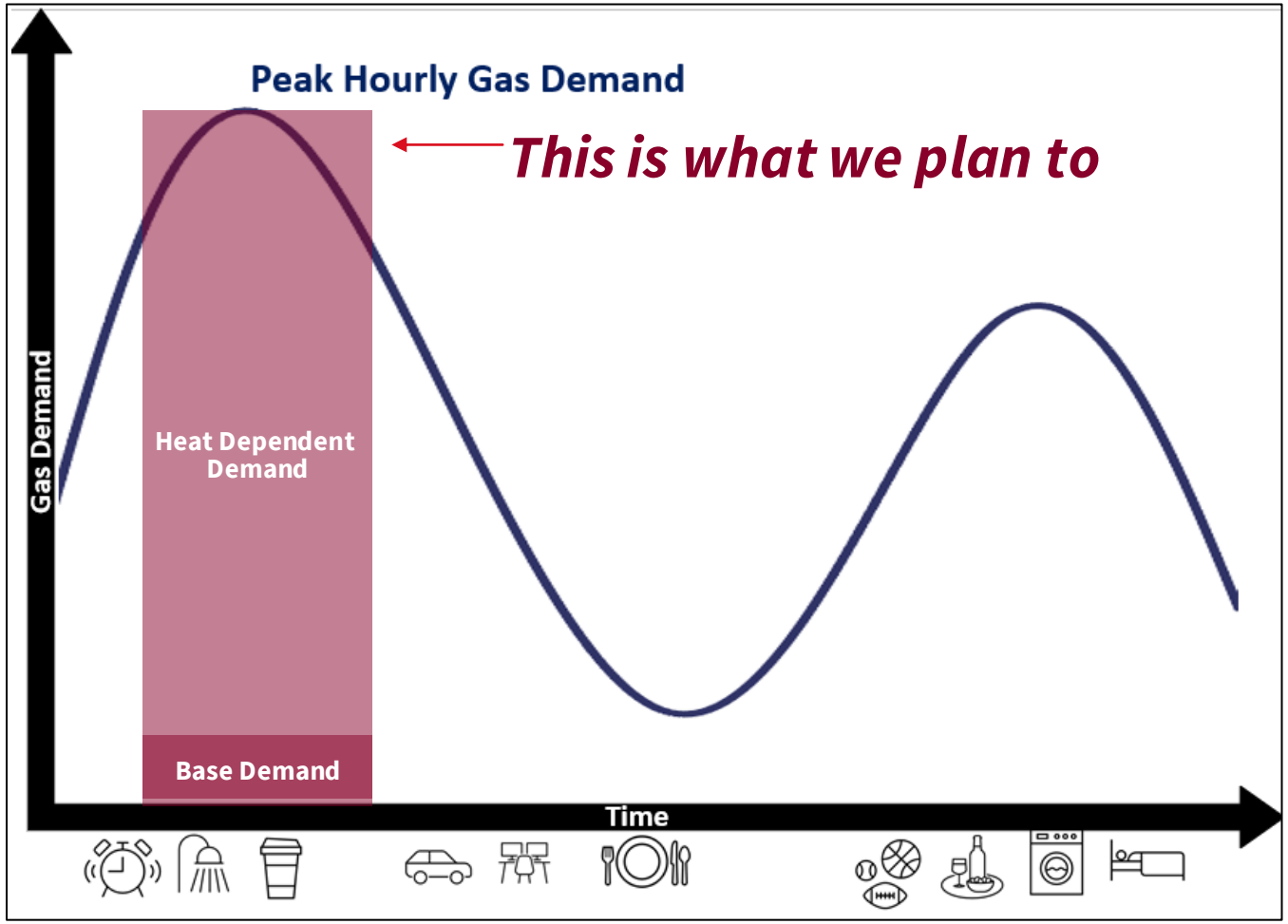
DIVERSE CUSTOMER MAKE UP:
37% RESIDENTIAL
24% COMMERCIAL & INDUSTRIAL
39% TRANSPORT

ASSET BASE





GAS 101 | HOW IS GAS CONSUMED?



- Gas demand varies throughout a 24-hour period

  $$Gas\ Demand = Base\ Load + Heat\ Load$$

  - Base load - Minimum gas load that is consistently used by the customer. (i.e., pilot lights)
  - Heat load - Additional gas load that is needed based on weather conditions. (i.e., space heating, hot water heating)
- **Gas planning focuses on serving peak *hourly* gas demand (under design day conditions)**
- Gas planning assumes coincident peak hourly gas demand for all customers

DECARBONIZATION

Non-Pipeline Alternatives

The goal of an NPA is to avoid, reduce, delay the need for certain type of natural gas capital investments, typically traditional gas infrastructure investments

NPAs target reduction in peak hour gas demand, but not always

Examples:

- Electrification of heating equipment (heat pumps, water heaters)
- Replacement of inefficient gas appliances with more efficient models
- Weatherization (insulation)
- Beneficial electrification

Other

Renewable Natural Gas (RNG)

- Wastewater Treatment
- Dairy Farm
- Landfill Gas

Advanced Methane Leak Detection

Community Ground Source Heat Pumps / Utility Thermal Energy Networks

BASE PLAN GENERATION EXECUTION

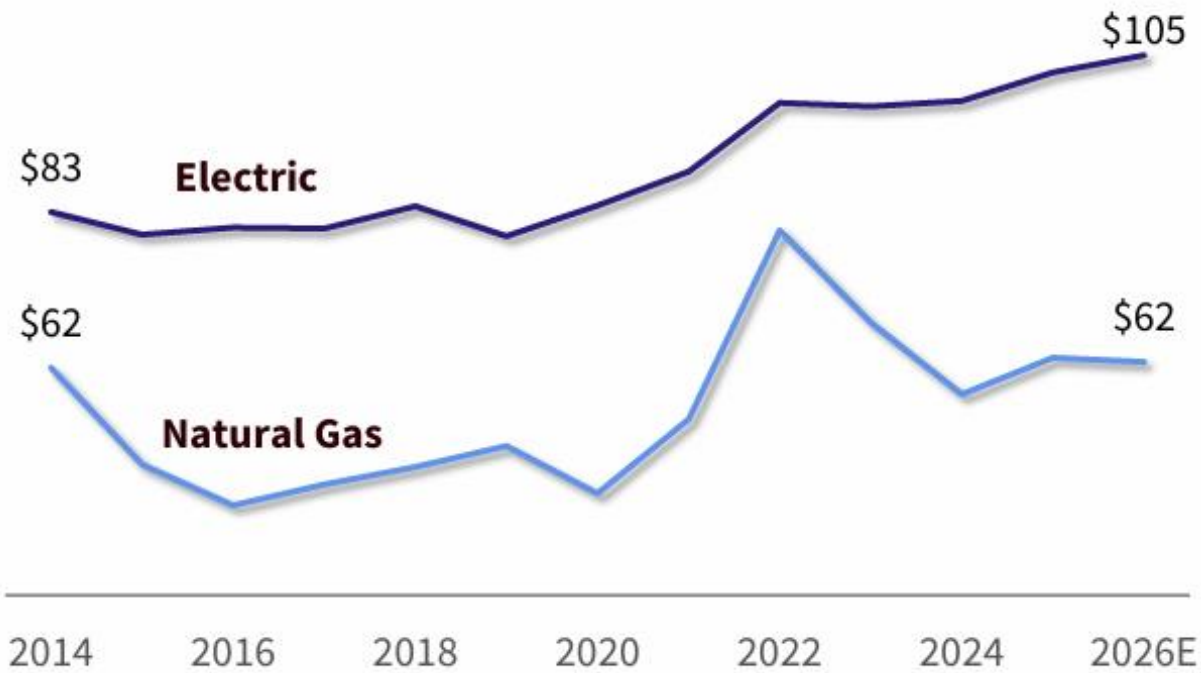
System	2025	2026	2027	2028	2029 – 2030
	~935 MW	~2,100 MW	~2,640 MW	~3,815 MW	~2,840 MW
NSP	✓ 240 MW ✓ 210 MW ✓ 160 MW	✓ 250 MW	300 MW 300 MW 140 MW	450 MW 300 MW 300 MW 75 MW	300 MW 300 MW 300 MW 200 MW
PSCo	✓ 325 MW	600 MW 450 MW 335 MW ✓ 200 MW	500 MW 400 MW 250 MW 200 MW 200 MW	200 MW	
SPS		✓ 150 MW ✓ 75 MW ✓ 40 MW	200 MW 150 MW	1,000 MW 325 MW 300 MW 250 MW 250 MW 190 MW 175 MW	940 MW 800 MW

Wind Solar Battery
Gas CT ✓ In Service

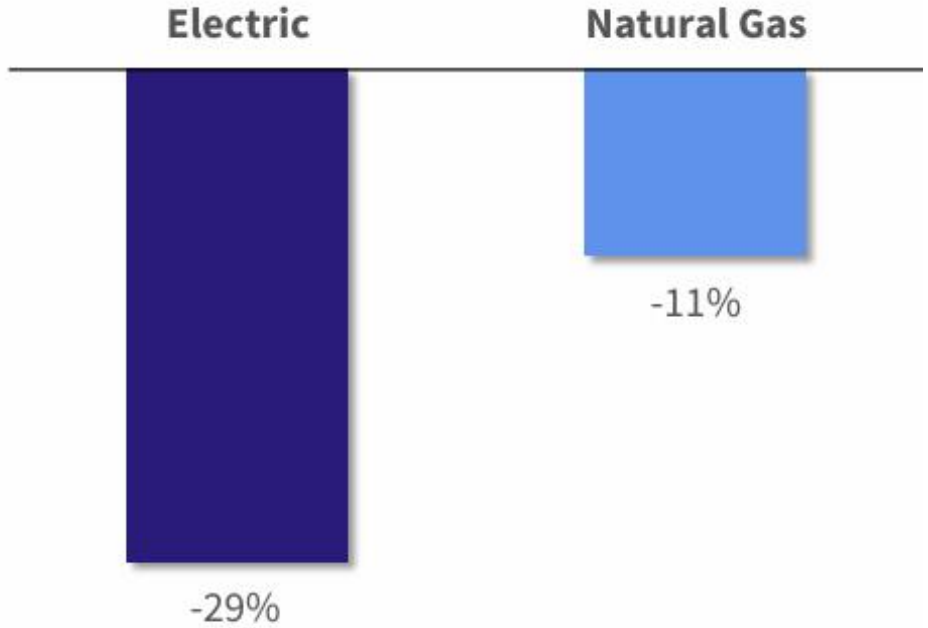
* Incremental capital plan adds an additional 2,000 MW wind, 1,900 MW solar, 400 MW natural gas and 300 MW battery storage

KEEPING CUSTOMER BILLS LOW

2014 – 2026E Residential Electric CAGR = ~2.0%
2014 – 2026E Residential Natural Gas CAGR = ~0.1%



Average Xcel Energy Residential Bill to National Average*



* Based on trailing 5-year customer bill data from EIA (2021 – 2025 for electric; 2020 – 2024 for natural gas)

Cat Campbell
Geoscience Compliance Manager

TALLGRASS

What is CCS

The Science and Regulatory Framework

Cat Campbell
9.3.2026

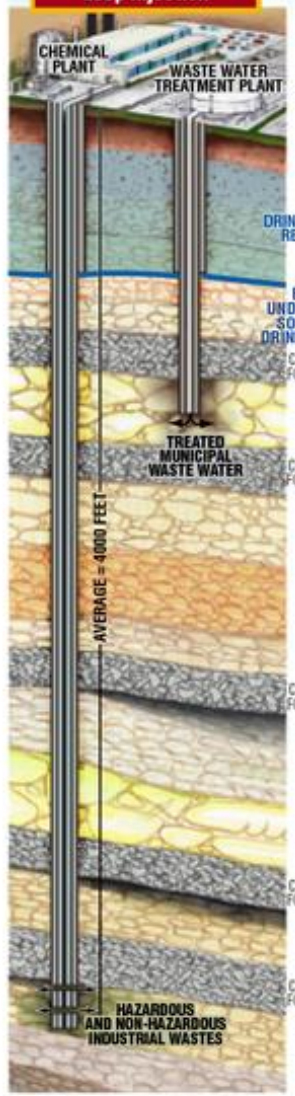
Safe Drinking Water Act

Underground Injection Control (UIC) Program

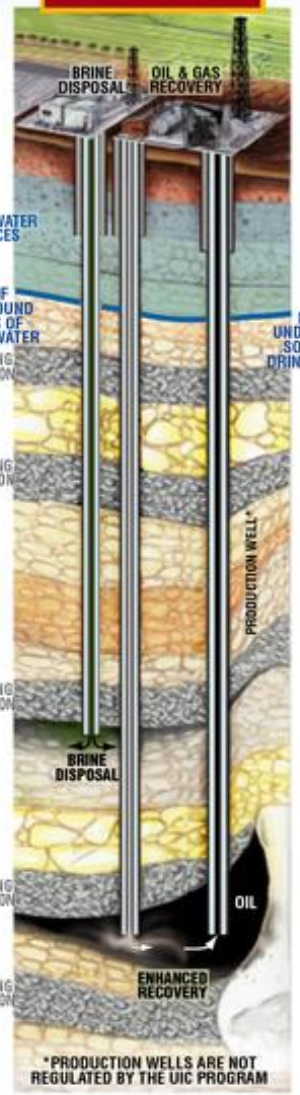
Protecting Public Health and Drinking Water Resources

EPA
United States Environmental Protection Agency
Office of Water (4606) Washington, DC 20460
EPA 816-H-01-003
August 2001
www.epa.gov/safewater

Class I wells- Isolate hazardous, industrial and municipal wastes through deep injection



Class II wells- Inject oil and gas production wastes



Class III wells- Minimize environmental impacts from solution mining operations

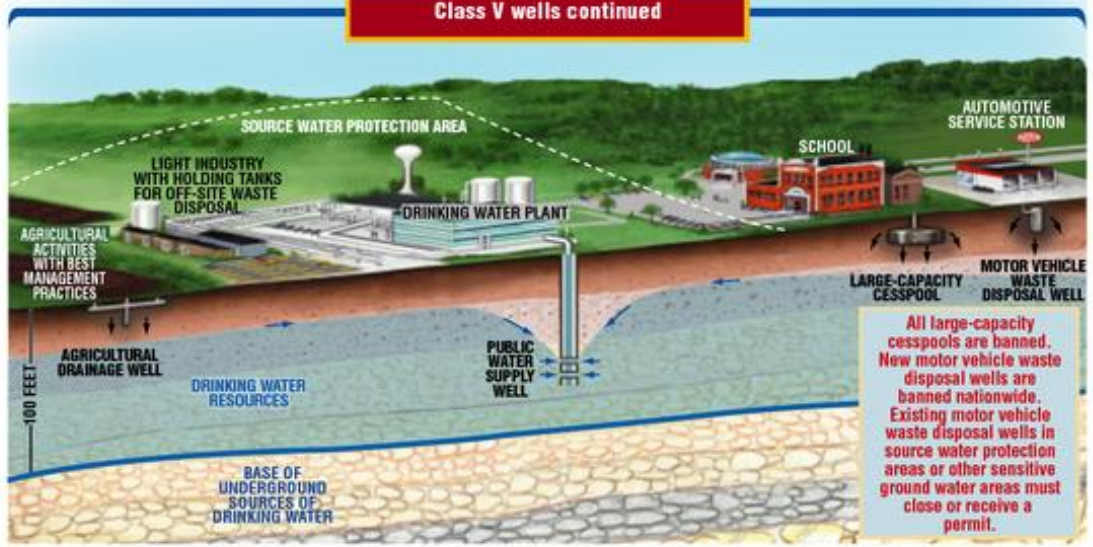
Class IV wells- Prevent ground water contamination by prohibiting the shallow injection of hazardous waste except as part of authorized cleanup activities

Class V wells- Manage the shallow injection of all other fluids to prevent contamination of drinking water resources

In your community, there may be industrial waste disposal wells, storm water drainage wells, large-capacity septic systems, and other Class V wells.

They are regulated and are not allowed to endanger drinking water resources.

Class V wells continued



All large-capacity cesspools are banned. New motor vehicle waste disposal wells are banned nationwide. Existing motor vehicle waste disposal wells in source water protection areas or other sensitive ground water areas must close or receive a permit.

Class VI: Geologic Carbon Sequestration

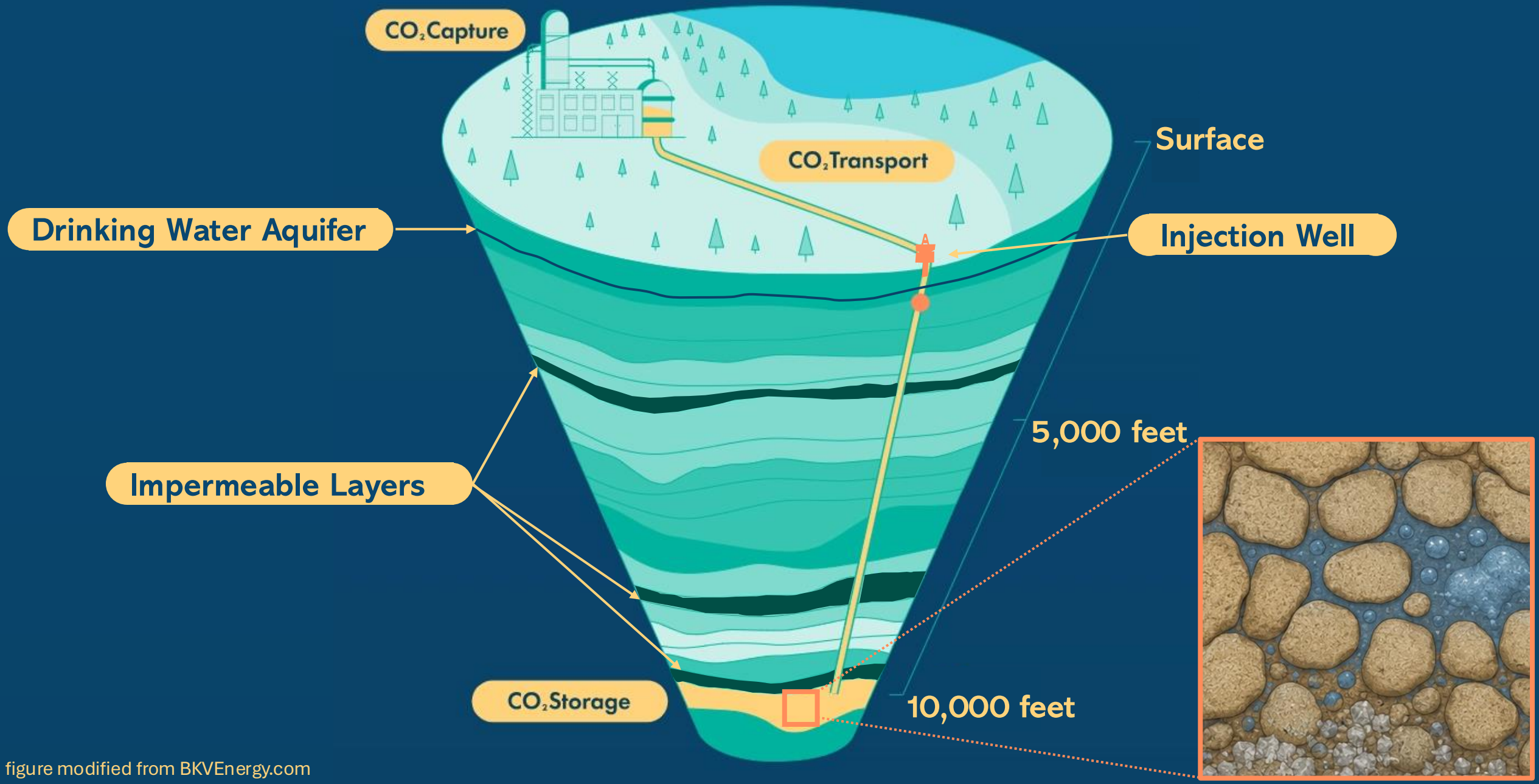
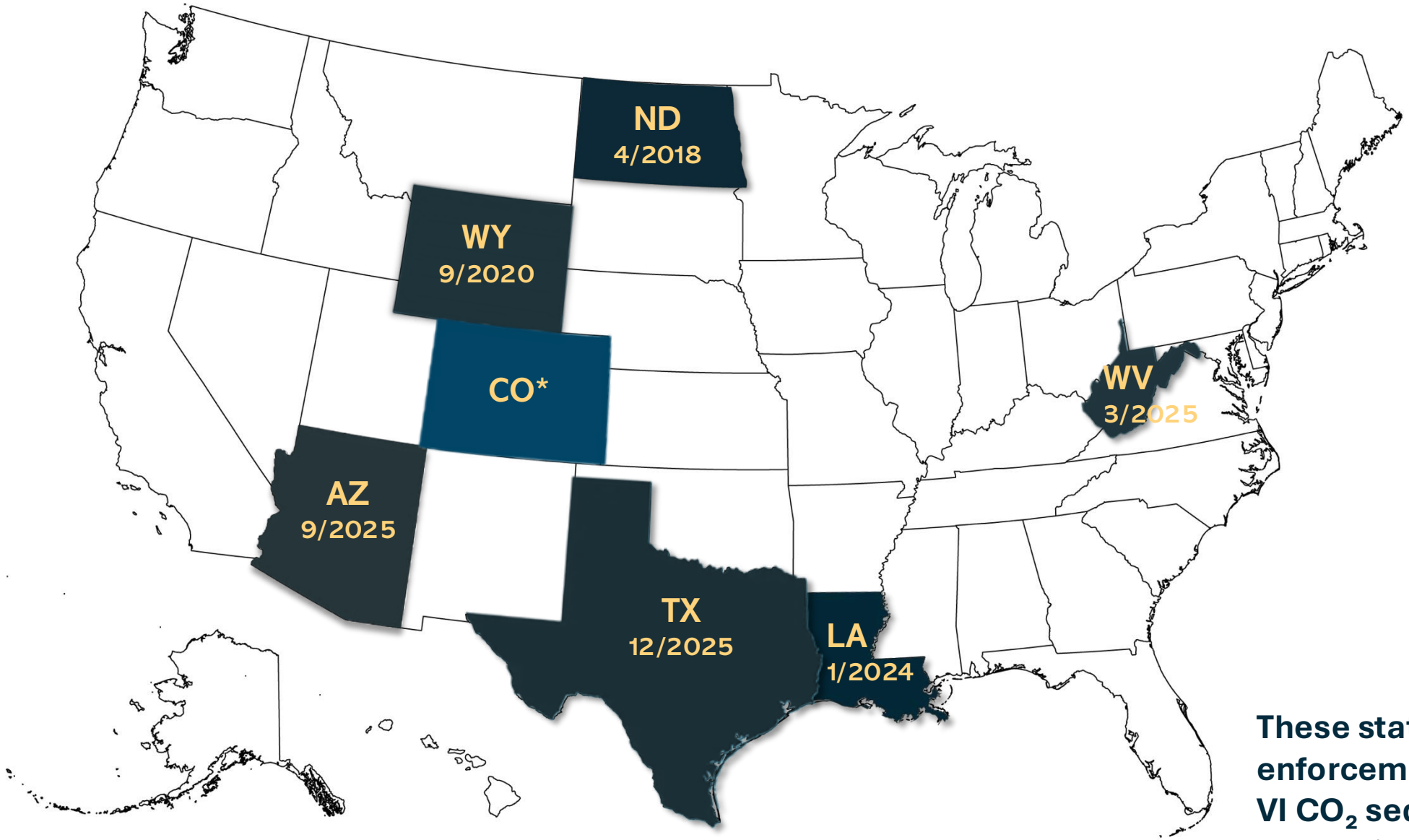


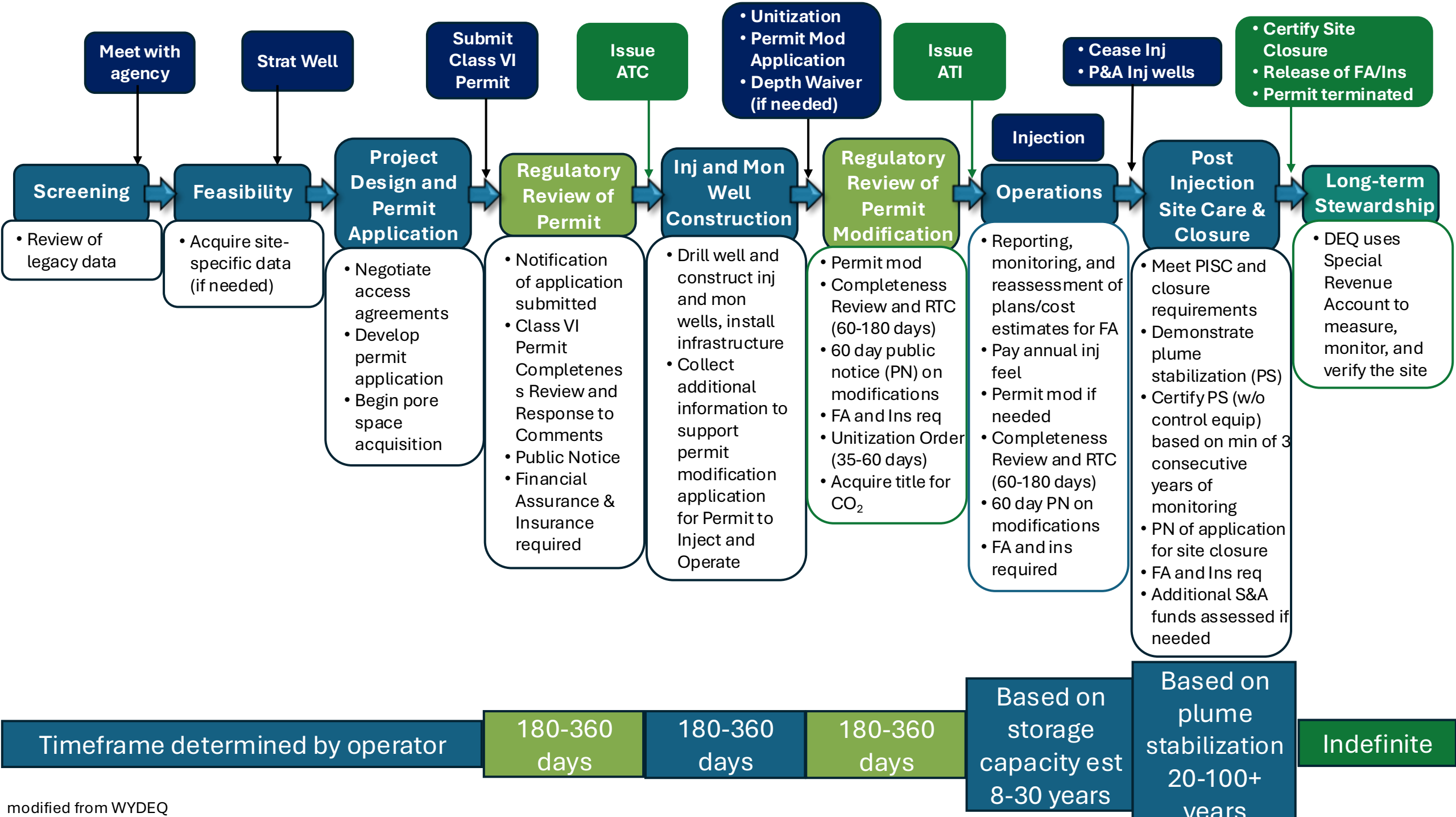
figure modified from BKVEnergy.com

Class VI UIC State Primacy



*CO is so close! Primacy is imminent

These states hold primary enforcement authority for Class VI CO_2 sequestration wells under the EPA's Underground Injection Control (UIC) program.



modified from WYDEQ

AC-REP DEVELOPMENT COUNCIL

Questions?

WORKFORCE COLORADO

ADAMS COUNTY COLORADO
HUMAN SERVICES
WORKFORCE & BUSINESS CENTER

A proud partner of the American Job Center network

AC-REP

Workforce in the Age of AI

Explore how AI is reshaping jobs, skills, talent development, and the workplace

- **Thursday, September 10th – 9:00 am 12:30 pm**
- **Keynote**: **Jonathan Liebert**, Chair of the National AI Taskforce for State Workforce Boards
- **Breakout Sessions**:
  - **Dr. Alana Olschwang**, VP of Strategy & Innovation, Front Range Community College
  - **Jim Marchiori**, Workforce Development, Colorado Cleantech

More info and to register:

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- **Coffee Break & Tour: Anythink Nature Library**

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Upcoming AC-REP Events/Meetings

- Civic and Business Alliance: E470 Update - Sept. 17
- Ballot Review: September 21st
- Development Council meeting: October 1

AC-REP Events Calendar

Save the Date:

AC-REP Gamechangers

Nov. 12th at Balistreri Vineyards

Sponsorships Available

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