



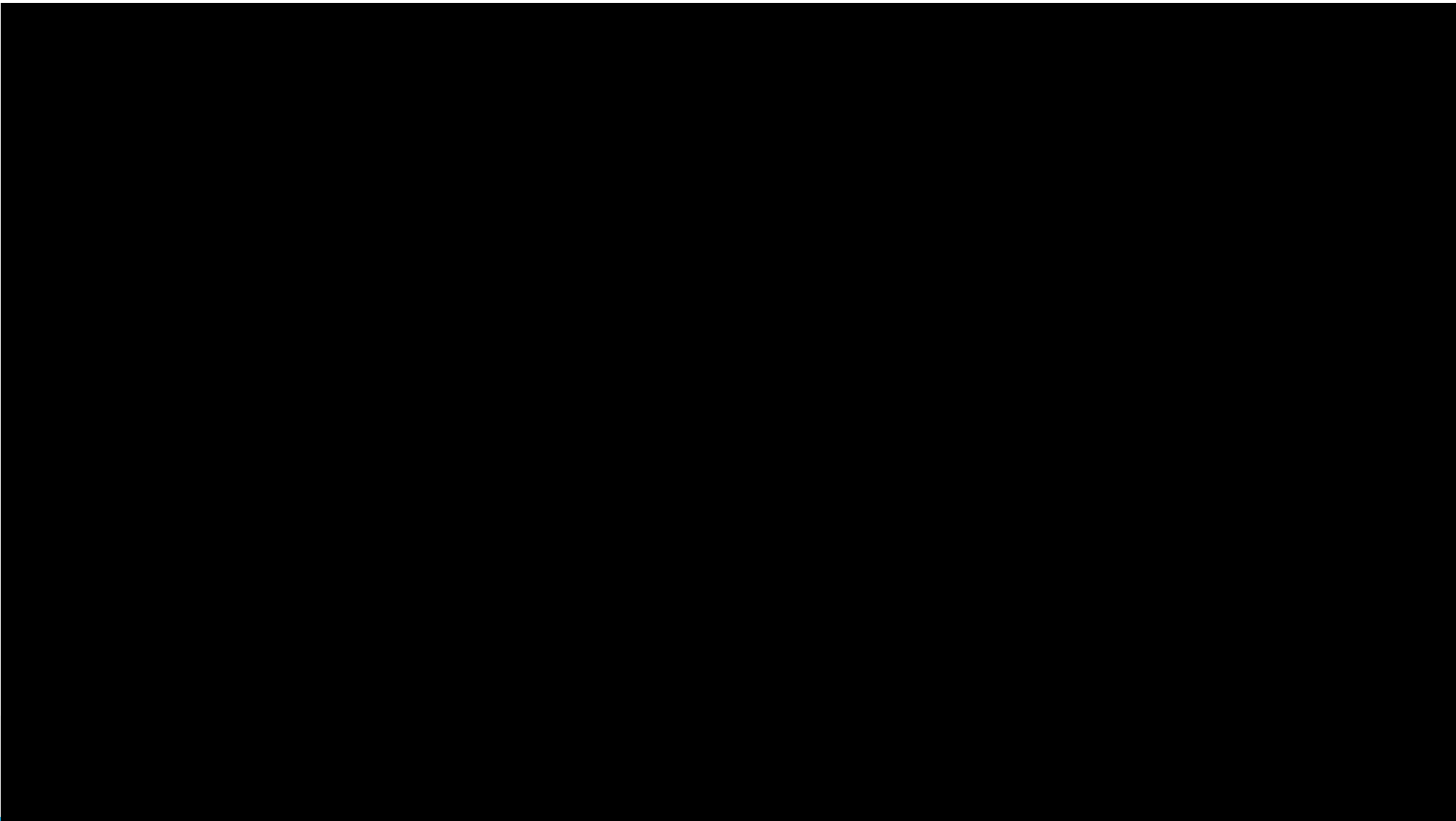
August 16th, 2022

LDC – ROCKIES & WEST FORUM – TRANSPORTING GAS TO MARKET

About me

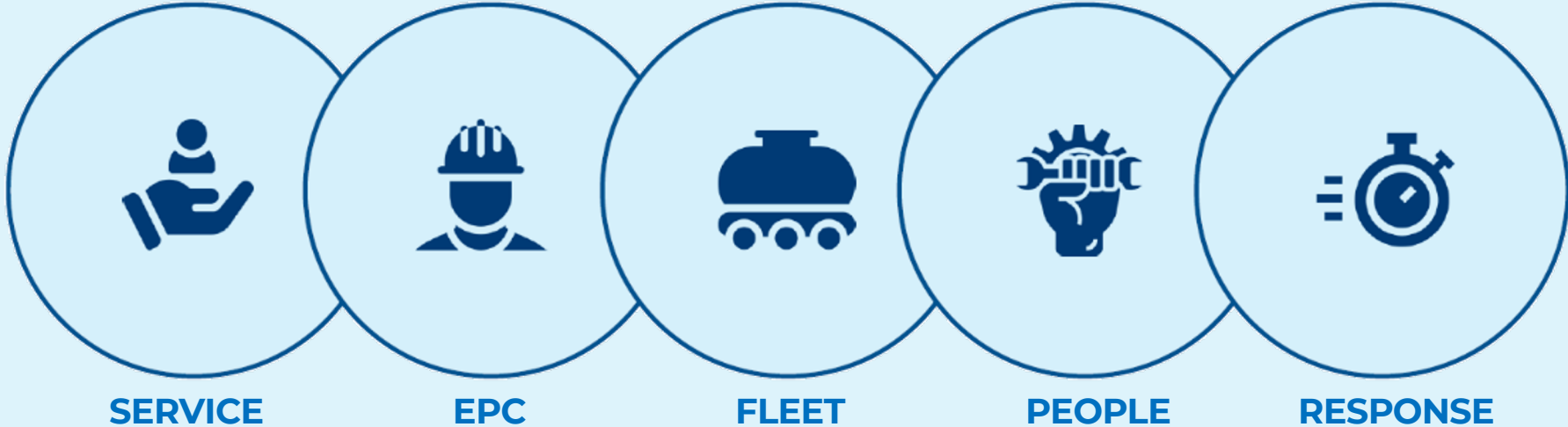
Joseph Zimowski –
Director of Marketing
& Commercial Strategy





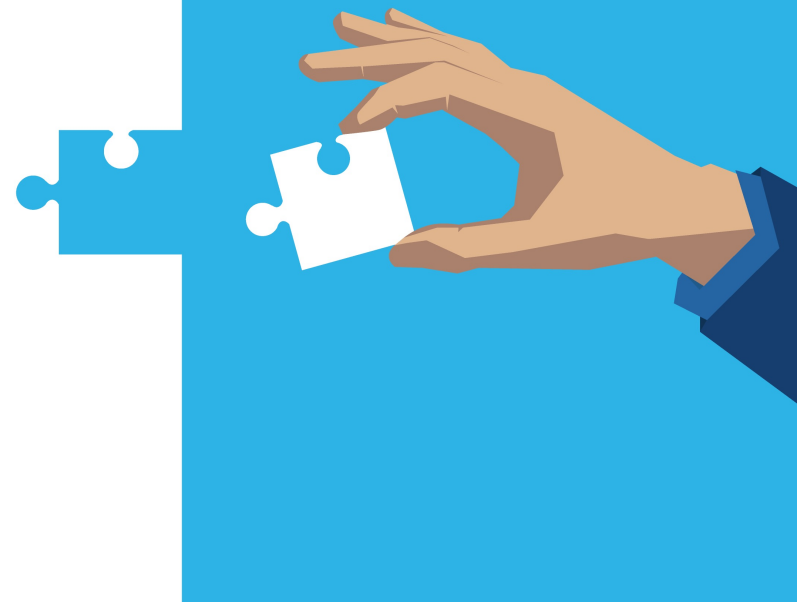
About Us

Our mission is to ensure the safe delivery of cleaner fuels when pipeline infrastructure is constrained or not available.



“By partnering with Sapphire, you can trust that your business will get the attention it deserves to ensure your continued success.” - Sam Thiigpen, CEO

Sapphire Acquired CLEANCOR this month





CLEANCOR has LNG, CNG, and RNG assets predominantly in California

The LNG assets compliment Sapphire's LNG fleet and expand our integrity and energy management services

The acquisition enters Sapphire into the CNG refueling market for on the road fleet vehicles and CNG trailers for virtual pipeline

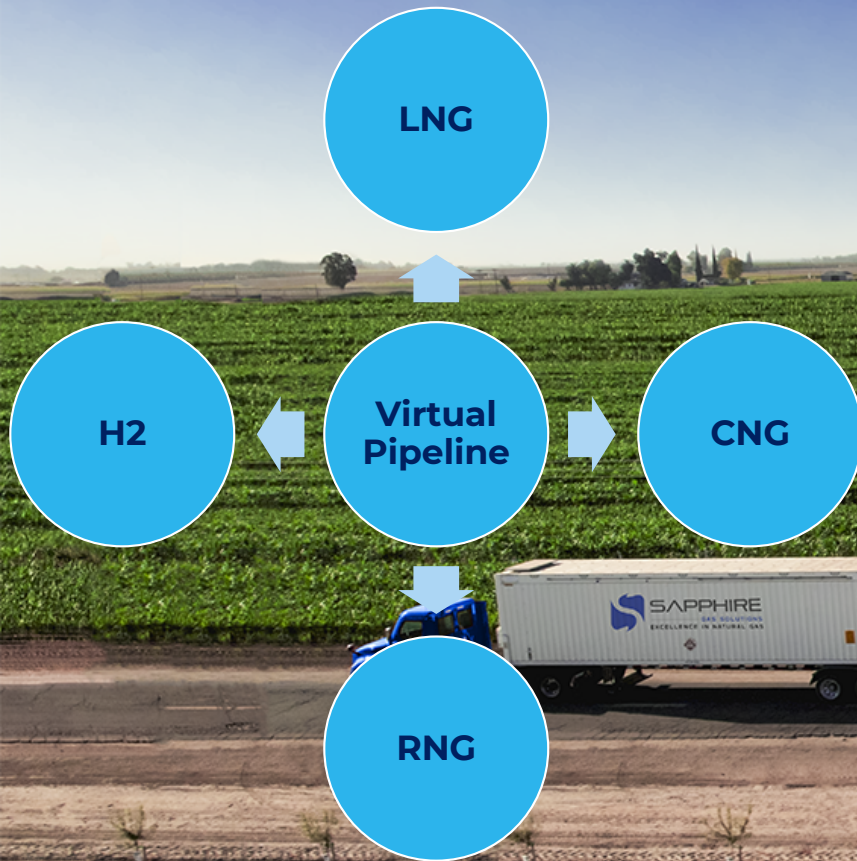
Can you
use Virtual
Pipeline
Here?



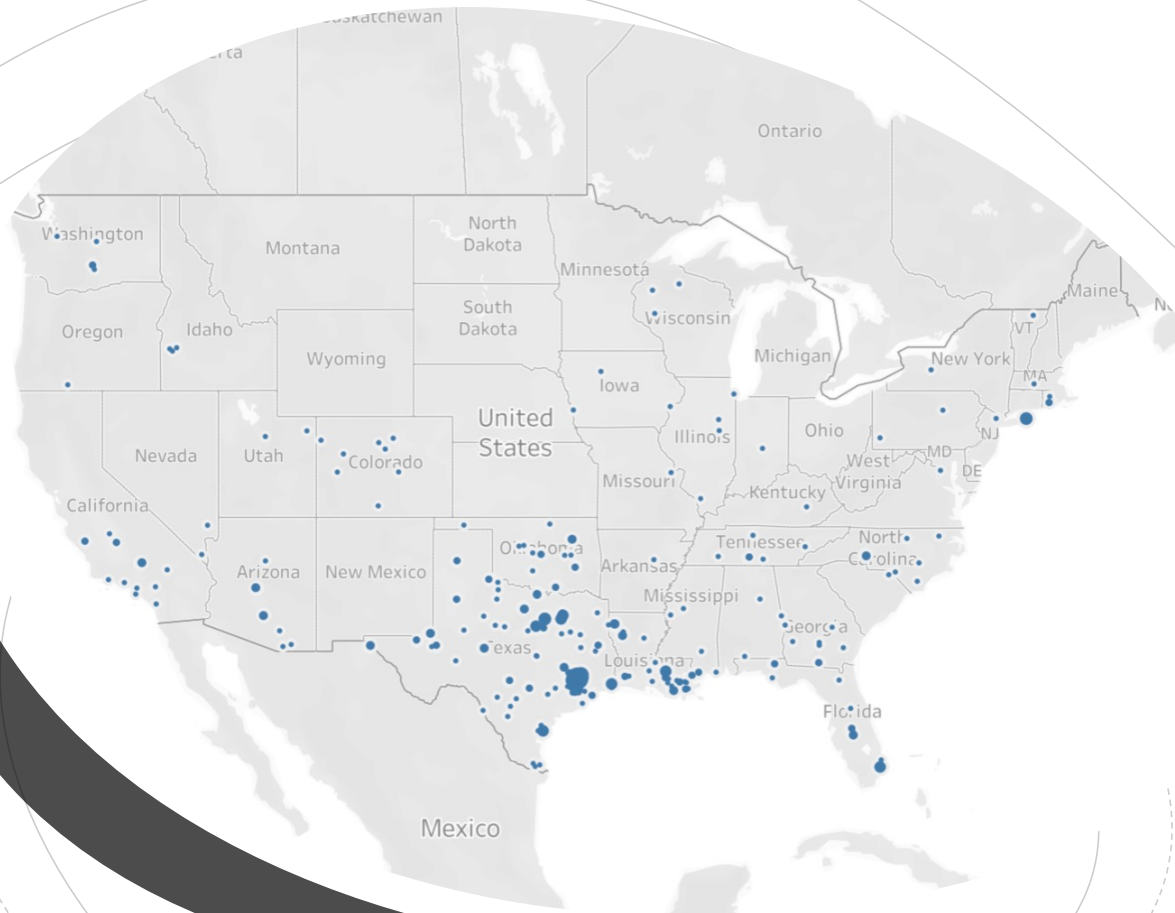


Or here, here, or here?

Where Can You Use a Virtual Pipeline?



- RNG to end user or injection point
- Winter gas supply
- Pipeline integrity
- Heavy fuel replacement
- Supplemental pipeline supply
- Emergency pipeline outages
- Commercial/Industrial
- Remote power generation
- Large scale power plant supply
- Gas supply constrained areas



Virtual Pipeline is utilized across the country

Virtual Pipeline...Why Do You Care?



Definition: A solution whereby delivery of gas molecules is completed via truck and trailer and onsite storage is mobile, or moveable, in nature.

- Solution when a traditional pipeline is not possible
- Accelerate project startup timelines
- Added supply during curtailments or other weather events
- Reduce end user downtime and lost production
- Regional growth and expansion for communities and businesses
- Energy resiliency planning
- Energy transition projects (RNG)

RNG & Virtual Pipelines

- RNG developers and producers can use virtual pipelines to get RNG to market.
- Transport RNG to end user or to injection point for pathway accreditation <> RIN and LCFS



RNG production volumes may not be enough for pipeline construction cost

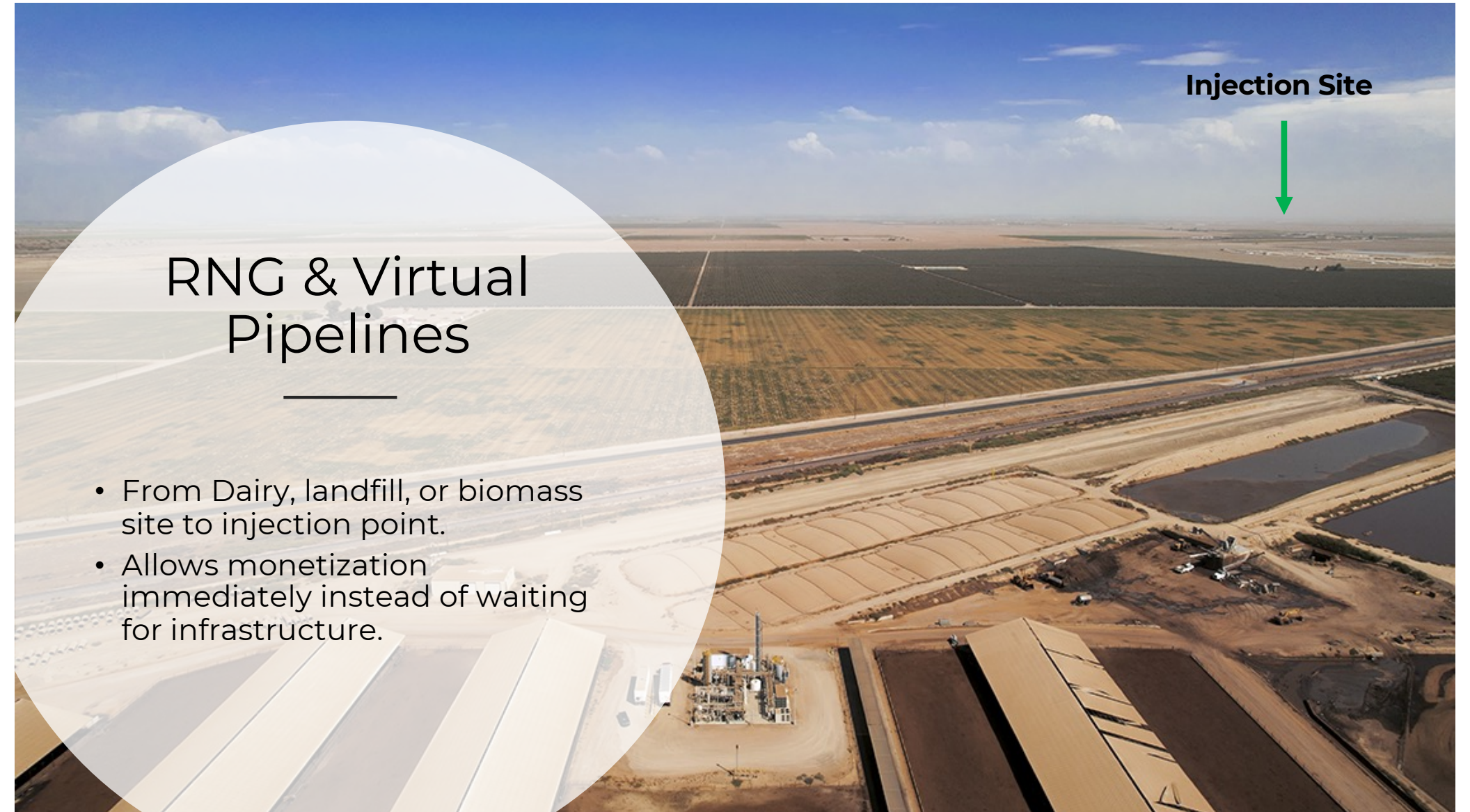
RNG is traceable with telemetry for auditing and pathway certification

Hub and Spoke from Dairy to Injection location

RNG & Virtual Pipelines

- From Dairy, landfill, or biomass site to injection point.
- Allows monetization immediately instead of waiting for infrastructure.

Injection Site



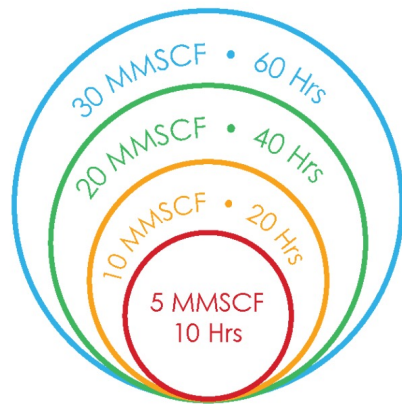


New Service Offering – Pipe to Pipe Compression



TIME TO VACATE A LINE

(based on volume*)



Flow (max/job) 3.6 | 3.1 MMSCFD
Pressure (in/out) 15 psig / 1,300 psig
HP Rating 450 HP (Starting SP 100 psi)



Evolution of Virtual Pipelines

- *10+ Years Ago*
 - *<1,000 Dth/D*
- *5 Years Ago*
 - *>10,000 Dth/D*
 - *10x capability*
- *Today*
 - *>60,000 Dth/D*
 - *60x capability*
- *Tomorrow*
 - *REPLACE underground pipeline construction*





CONTACT US

Sapphire Gas Solutions
100 I-45 N, Suite 152A
Conroe, TX 77301

(833) 662-5427

info@sapphirenatgas.com
www.sapphirenatgas.com





SAPPHIRE

GAS SOLUTIONS

EXCELLENCE IN NATURAL GAS