



Mark Westhoff
Director, Facility and Capacity Planning

Winter Preparedness
Before the Arizona Corporation Commission
October 19, 2009

Our Purpose

El Paso Corporation provides natural gas and related energy products in a safe, dependable, and efficient manner

Agenda

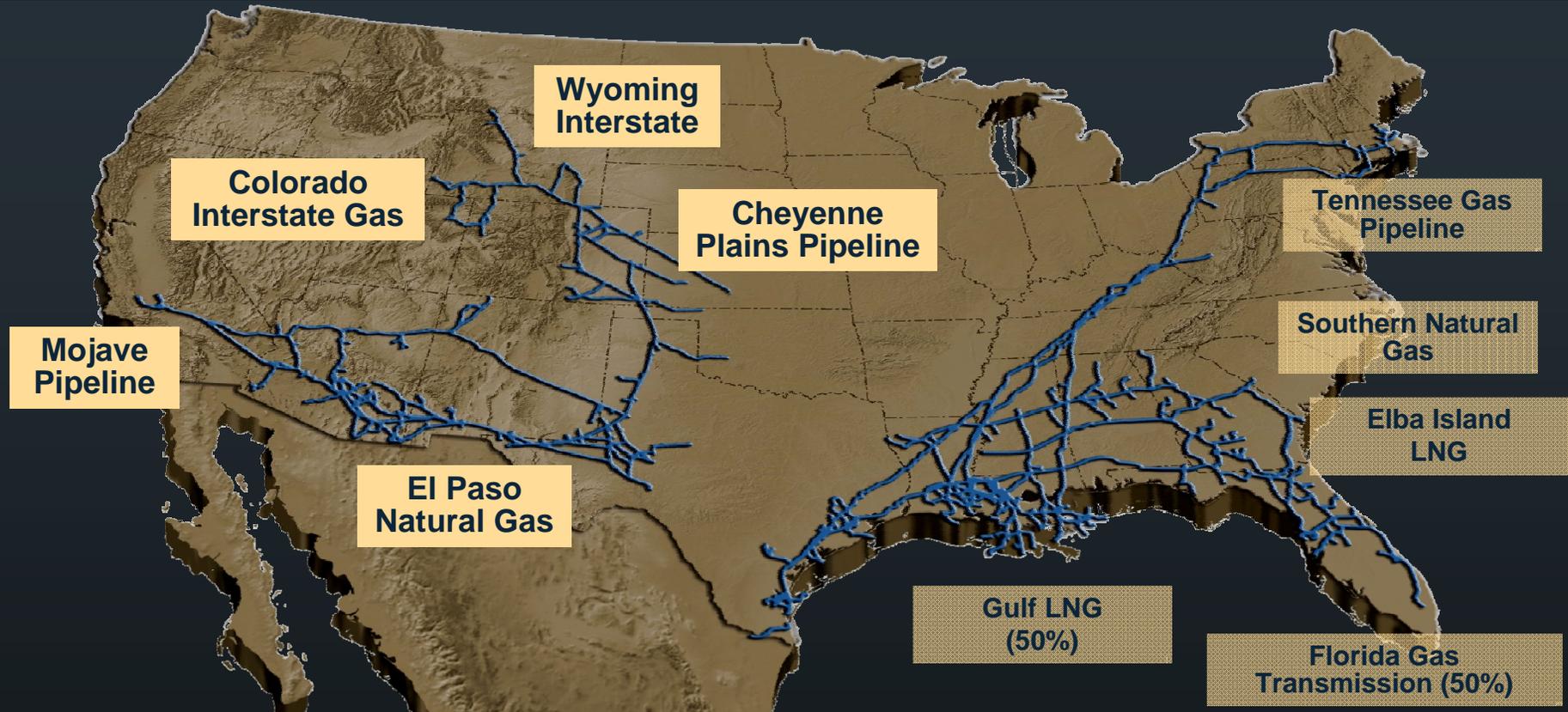
- ^ System overview
- ^ Commitment to safety and reliability
 - Facility changes
 - Coordinating with customers
 - Inspections and maintenance
 - Preparedness
- ^ Conclusion

El Paso Western Pipelines

Overview

Interstate Pipelines

Pipeline System



- 19% of total U.S. interstate pipeline mileage
- 26 Bcf/d capacity (15% of total U.S.)
- 19 Bcf/d throughput (30% of gas delivered to U.S. consumers)

Source: El Paso Corporation 2008 Data
Includes El Paso Corporation and El Paso Pipeline Partners, L.P.

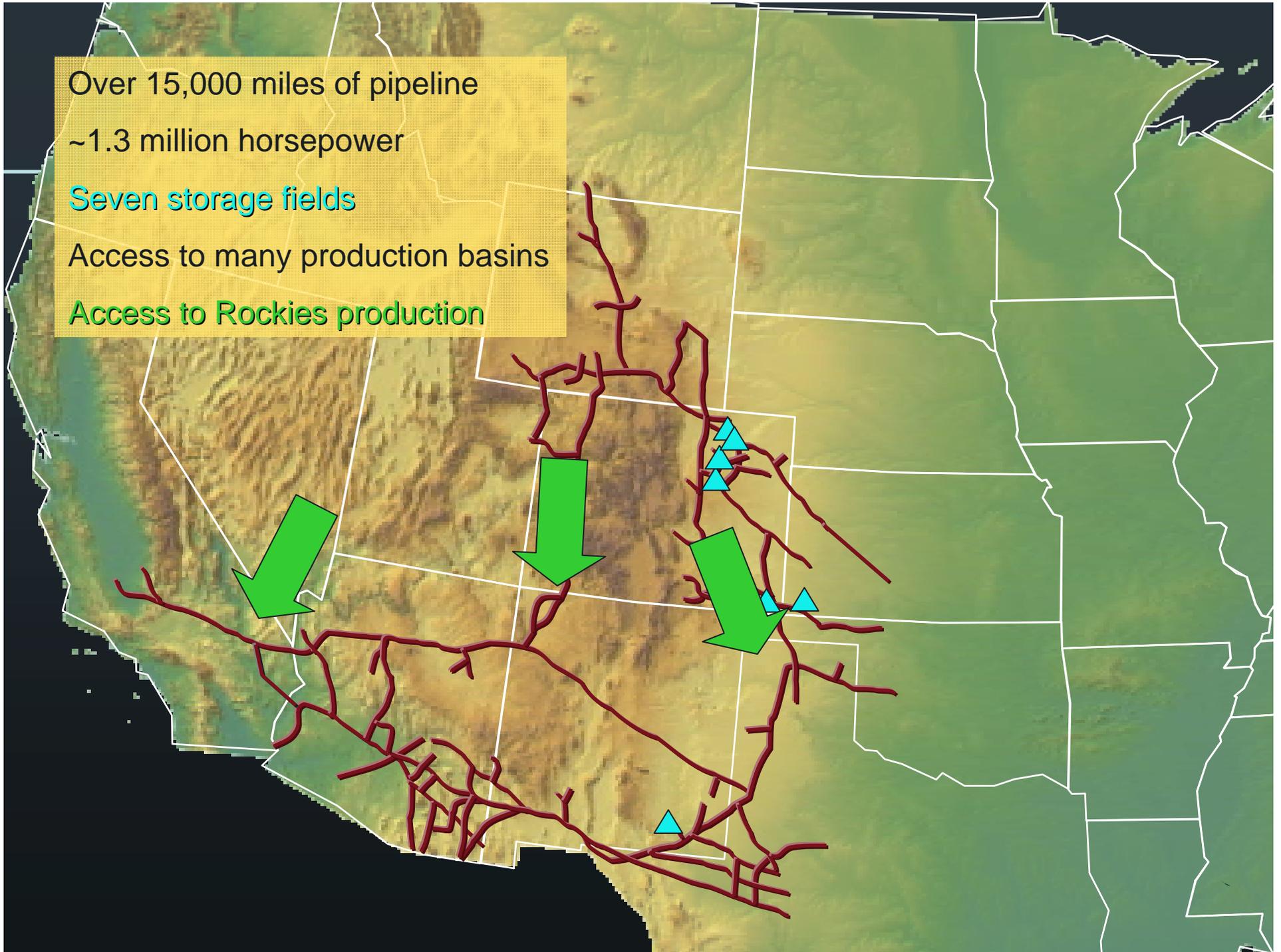
Over 15,000 miles of pipeline

~1.3 million horsepower

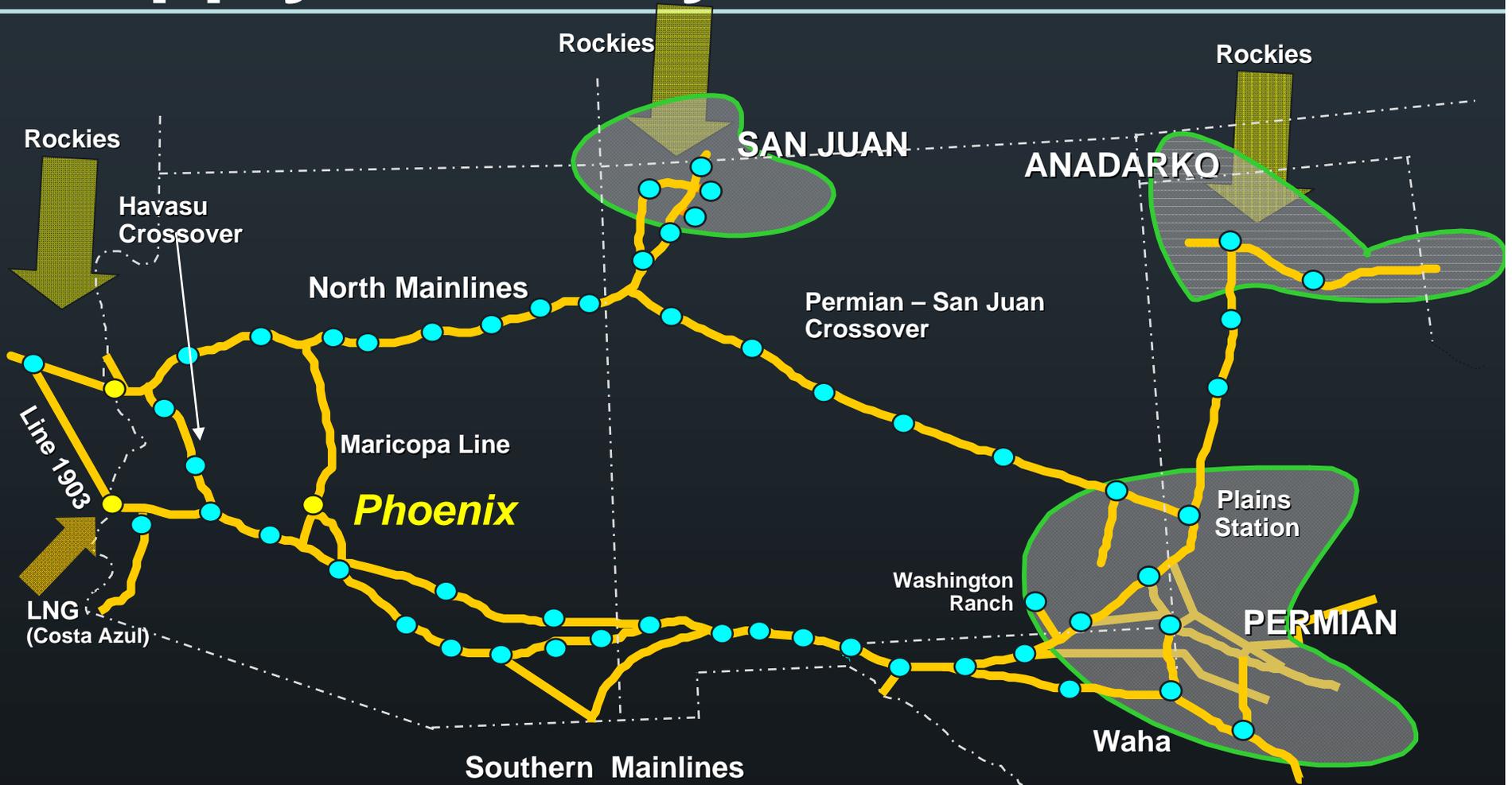
Seven storage fields

Access to many production basins

Access to Rockies production

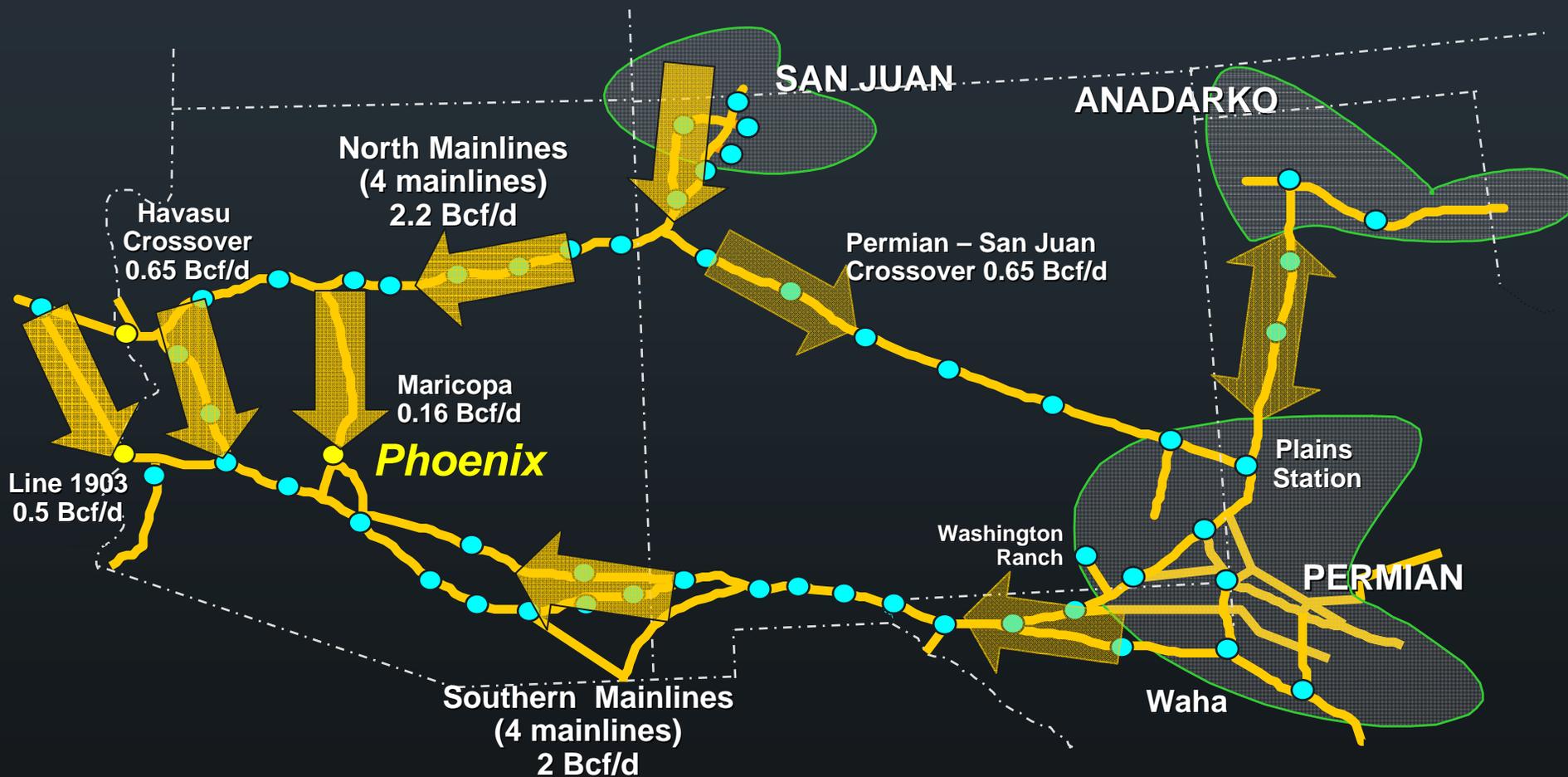


Supply Diversity



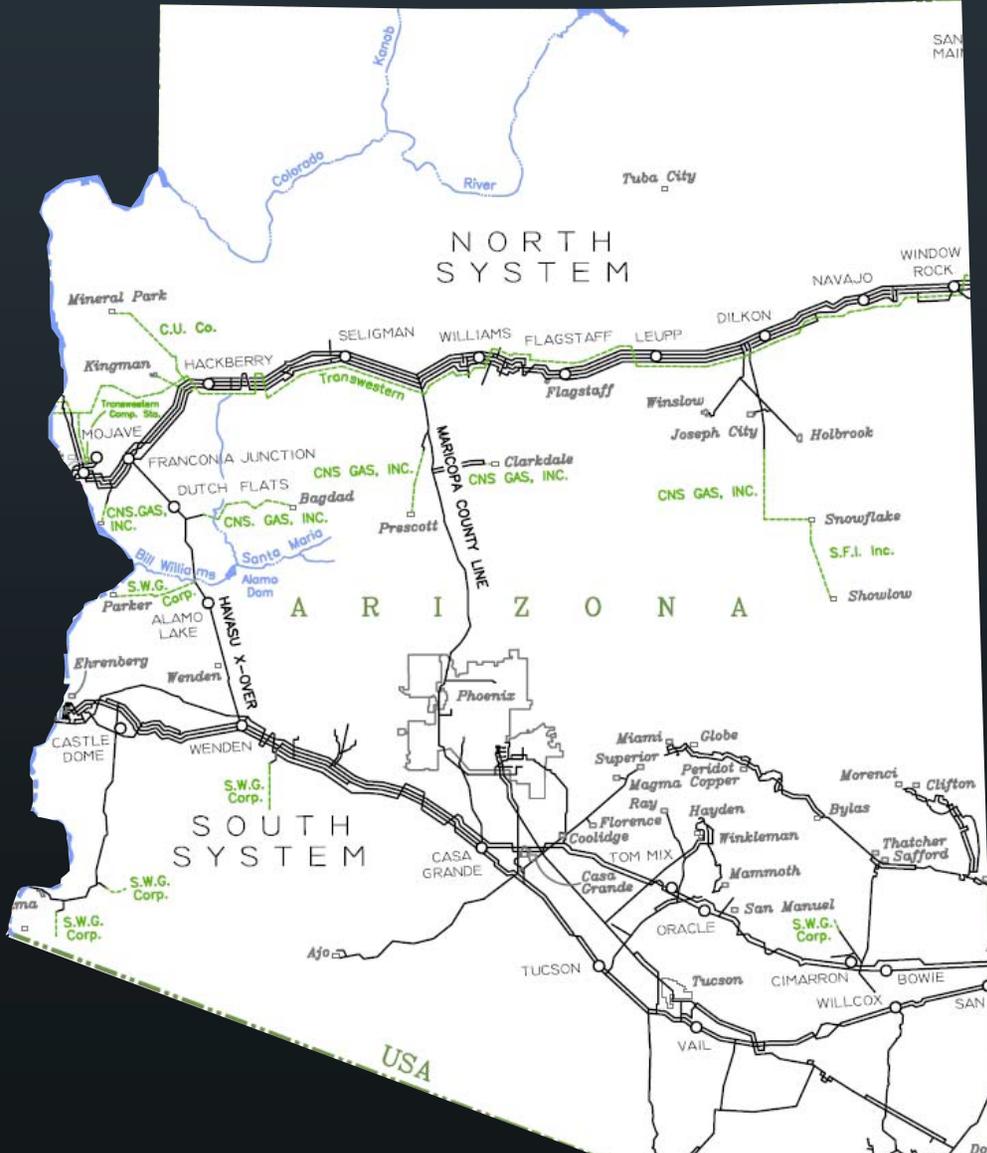
● Compressor Stations

Transport Diversity



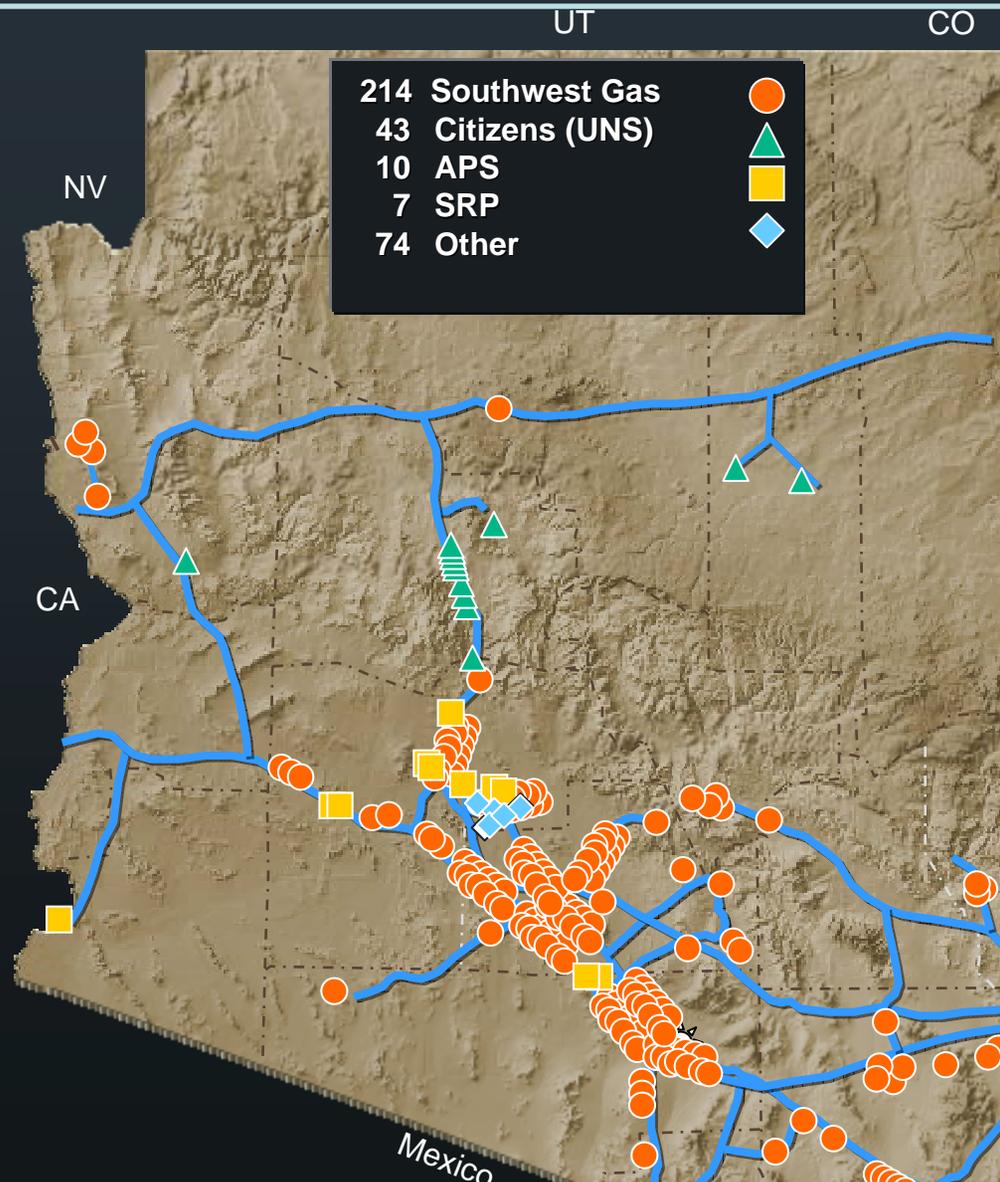
● Compressor Stations

Multiple Mainlines

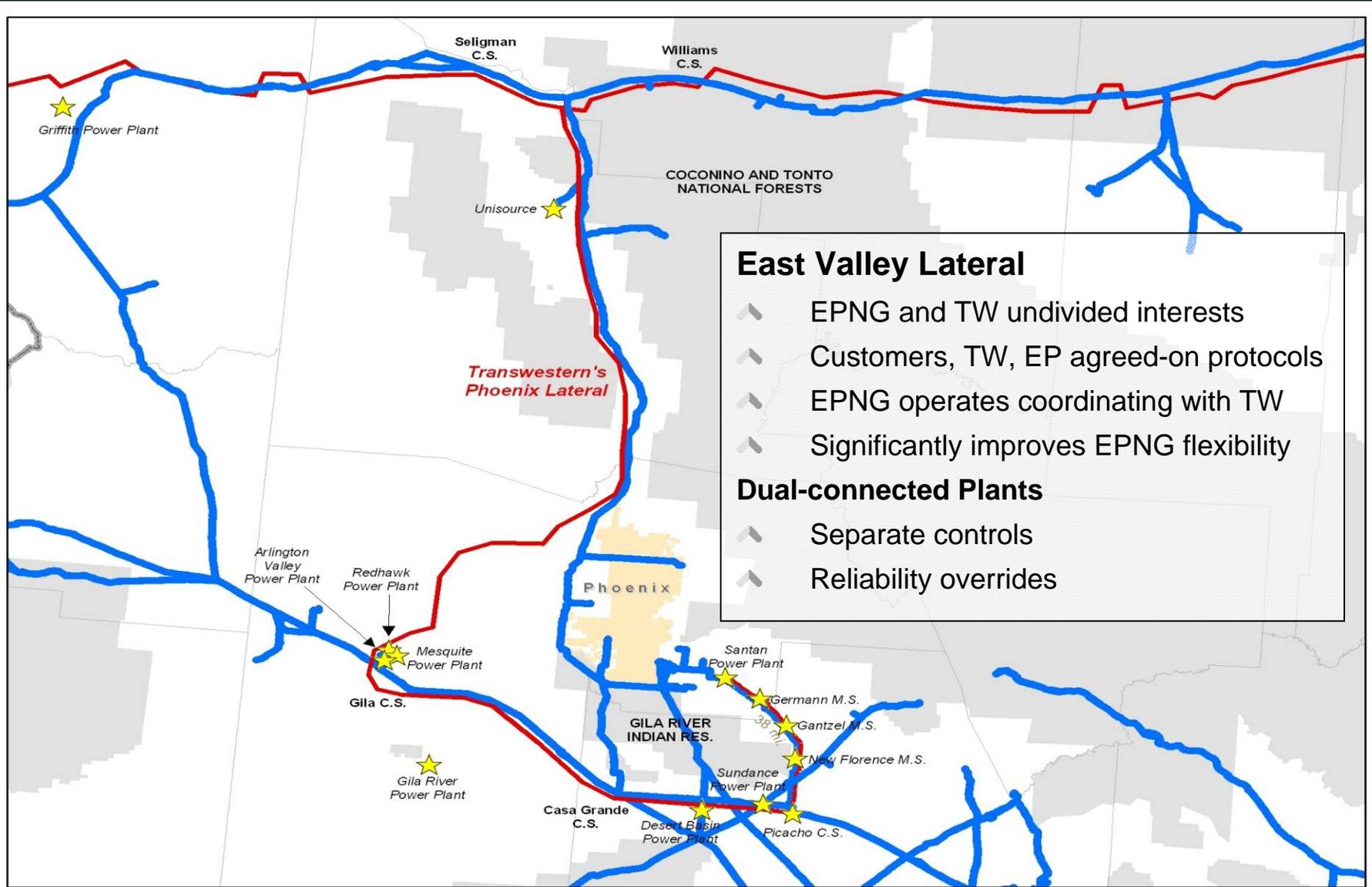


Service to Arizona

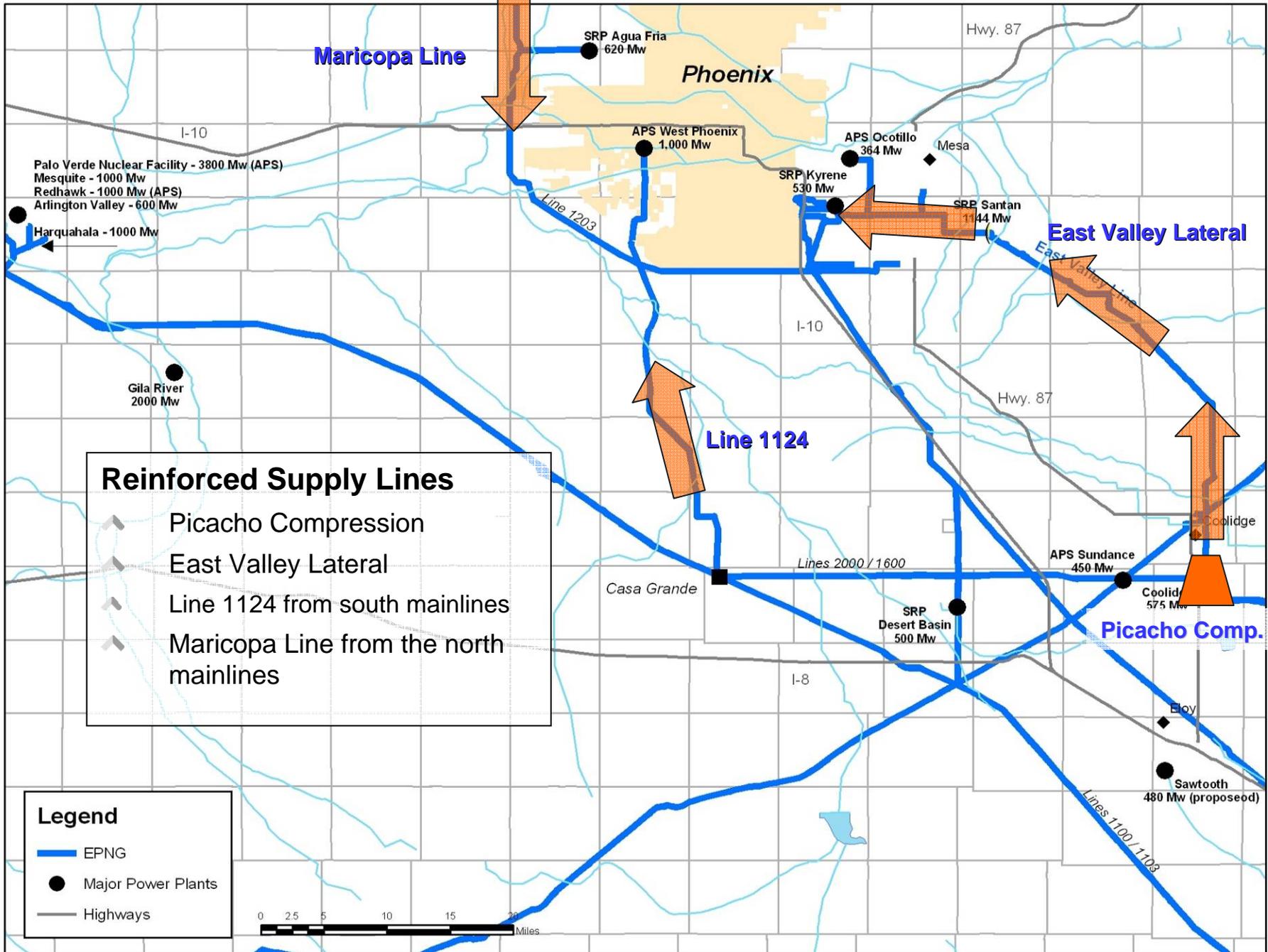
→ 348 Delivery Meters



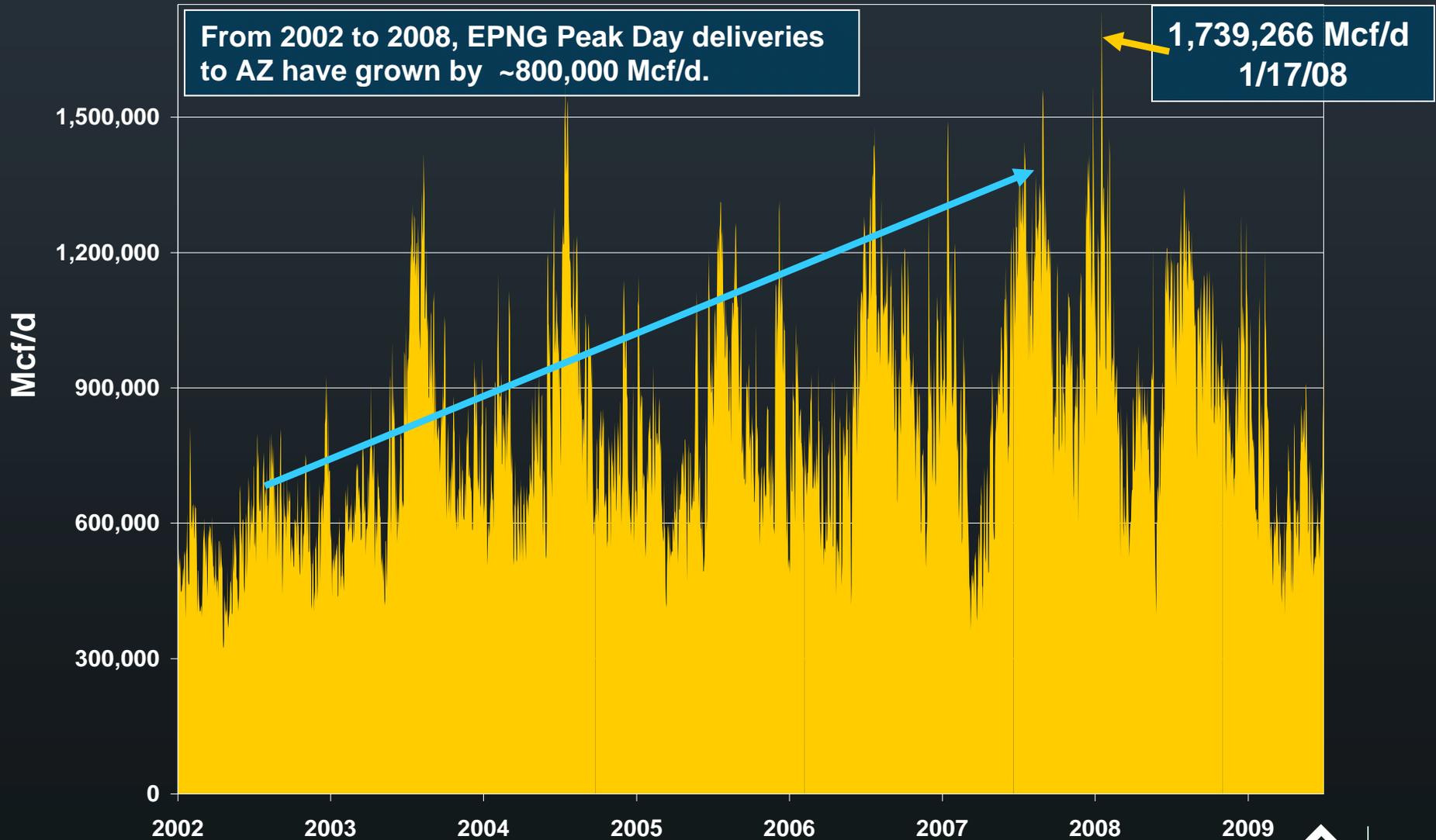
Facility and Operational Changes



- East Valley Lateral**
- EPNG and TW undivided interests
 - Customers, TW, EP agreed-on protocols
 - EPNG operates coordinating with TW
 - Significantly improves EPNG flexibility
- Dual-connected Plants**
- Separate controls
 - Reliability overrides



EPNG Daily Deliveries to AZ



Capacity Reviews

- ▲ On-going review with customers
 - Demand expectations
 - Capability of facilities
 - Contracting needs
- ▲ Recent contract changes
 - Adjustments to about 25 locations
 - Volume and/or pressure commitments
- ▲ Meter installations and upgrades as needed

Maintenance Planning

- ⤴ Annual and monthly
- ⤴ Coordinate with customers
 - Meetings and calls
 - Web postings
- ⤴ Maximize reliability and avoid seasonal peaks
 - Winter heating
 - Summer electric generation



October 2009 Maintenance Impacts

Courtesy of EPNG Nominations and Scheduling - Updated 10/06/2009

All Maintenance Impacts are shown in MMcf/d

	Thu 01	Fri 02	Sat 03	Sun 04	Mon 05	Tue 06	Wed 07	Thu 08	Fri 09	Sat 10	Sun 11	Mon 12	Tue 13	Wed 14	Thu 15	Fri 16	Sat 17	Sun 18	Mon 19	Tue 20	Wed 21	Thu 22	Fri 23	Sat 24	Sun 25	Mon 26	Tue 27	Wed 28	Thu 29	Fri 30	Sat 31	
Bondad ST																			145	145												
SJ Tri	300	300	300	300	300	300	300	300	300	300	300	300	300	300					30	30	30					30	30	30				
North ML	150	105	105	105	224	224	239	239	240	105	105	115	115	115	105	105		110	175	95	20				26	26	26					
Lincoln												70		65												30	30					
Havasu					203	203	203																									
Pecos	51	51	51	51	129	129	129	129	129	129	129	129	129	129	129	129	129	202	202	202	202	202	202	202	202	202	202	202	202	202		
Lords A				30	30	30																										
Lords B												84	84	84	84	84	84	84	84	84	84											
Yuma	22																															
Shafer W																																
Eunice B					120	120	120	120	120																							
Plains S					90																											
Keyst A																																
Keyst B																																

Inspections and Pipeline Integrity

▲ Right of way inspections

- Monthly aerial inspections
- Local employees
- ~50,000 line locations/yr (Tucson Div)

▲ Pipeline Integrity Program

- 85% of 9400 miles inspected
- 2009: 42 segments; 1409 miles
- 2010: Complete remaining construction
- 2012: Complete initial in-line inspections

Compression Maintenance

^ Annual recurring

→ Emergency Shutdown Tests: 62

→ DOT safety checks: 252

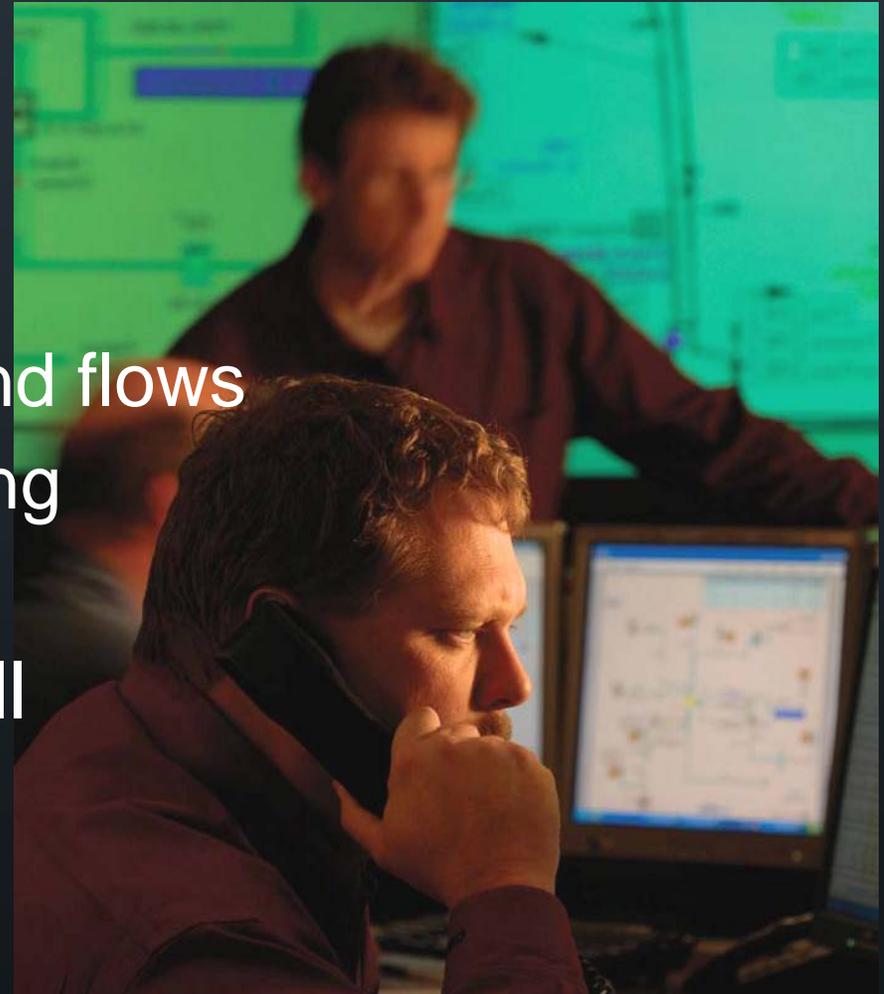
^ Scheduled

→ Overhauls/replacements: 8

→ Mechanical Inspections: 80

Commitment to Safety and Reliability

- ▲ Pipeline control 24/7
 - Weather forecasts
 - Communications
 - System pressures and flows
 - Storage and balancing
 - Remote control
- ▲ Local resources on-call



Emergency Response

⤴ Incident Command System (ICS)

- Model adopted by government agencies
- Coordination with Public Emergency Responders

⤴ Readiness

- Pre-tested pipe in stock
- Access to repair crews on short notice
- Routine exercises to test effectiveness
 - Area
 - Division
 - Corporate
 - External agencies

Conclusion

▲ Robust capabilities

- Supply diversity
- Transport diversity with multiple mainlines
- Operational flexibility

▲ System integrity: safety and reliability

- Safety program
- Maintenance program
- Customer coordination
- Continuous monitoring and control



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