Expanding Focus on Natural Gas

28th Annual Environmental Permitting Summer School
Marco Island 2014
July 24, 2014
Natural Gas Demand

• FL Ranks 3rd nationally in total energy consumption
  – Consumes 894 billion cubic feet annually

• NG makes up 27% of all energy consumed in Florida
Florida’s Natural Gas Production

- Oil & Gas are produced in two areas of the state
  - Smackover in the NW
  - Sunniland Trend in the south

- NG produced in the Smackover is re-injected for pressure maintenance

- Sunniland produces near zero NG

- No commercially viable NG production
Underground Natural Gas Storage

- 418 gas storage facilities in lower 48
- Most occur in depleted oil & gas reservoirs, some in salt domes
- Utilizes existing infrastructure, i.e. wells & flowlines
- Permitted by state agencies & FERC
UNGS in Florida’s Future?

- In 2013 Chapter 377, F.S. was amended to include UNGS
  - SB 0958
  - HB 1083

- Draft Rule
  - 62C-31, F.A.C.

- Potential fields include Sunniland and Sunoco Felda

- Stay tuned for Rulemaking Announcement & Workshop
Rule & Statutory Authority

- Permit includes financial surety, operating pressures, gas storage migration
- Provision for re-entering improperly plugged wells
- Mineral & Surface Rights

Challenges

- Are South Florida reservoirs capable of gas storage?
- Who owns the pore space?
- Can all wells be found?
Florida’s NG Pipelines

- **Sabal Trail Transmission.** ~ 472 miles of 36” pipe from Transco in Tallapoosa County, AL, extends through GA, into FL to a new Central Florida Hub in Orlando.

- **Florida Southeast Connection.** ~ 125 miles of 30” & 36” pipe from the new Central Florida Hub to FPL’s Martin Clean Energy Center in Indiantown.

- **FGT.** ~ 5,500 miles of natural gas pipeline in FL

- **Gulfstream** - 745 miles of natural gas pipeline from AL to FL

**Owner –** Sabal Trail Transmission, LLC
- 67% Spectra Energy, 33% NextEra Energy

**Operator –** Sabal Trail Management, LLC
- Affiliate of Spectra Energy
472 miles of pipeline in AL, GA, & FL

- **AL** – Approx. 85 miles of pipe, 1 compressor station
- **GA** – Approx. 157 miles of pipe, 1 compressor station
- **FL** – Approx. 230 miles of pipe, 3 compressor stations
Some Route Issues

Karst Areas

Santa Fe River Crossing
- Co-locate with existing FGT line

Conservation Lands – BOT, FWC, WMD

Half Moon WMA/Gum Slough
- Locate to east to avoid state-owned land
Florida Southeast Connection

- Facilities – Approx. 126 miles of pipeline in Florida
- Owner – Florida Southeast Connection, LLC (affiliate of NextEra Energy)
- Operator – Florida Southeast Connection, LLC
- Crosses under the Kissimmee River
Project Permitting

- FDEP Central District Office – Lisa Prather

- Florida Southeast Connection
  - ERP Submittal - March 7, 2013
  - Wetland lines were reviewed & approved prior to submittal (ECT)
  - Permit about to be issued

- Sabal Trail
  - ERP Submittal - Estimated August 2014
  - Wetland lines were reviewed & approved prior to submittal (Cardno-Entrix)
  - Still working on some re-routing
Thank You!

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