



Gulf Coast Projects

Corporate Security
December 11, 2012




TransCanada
In business to deliver

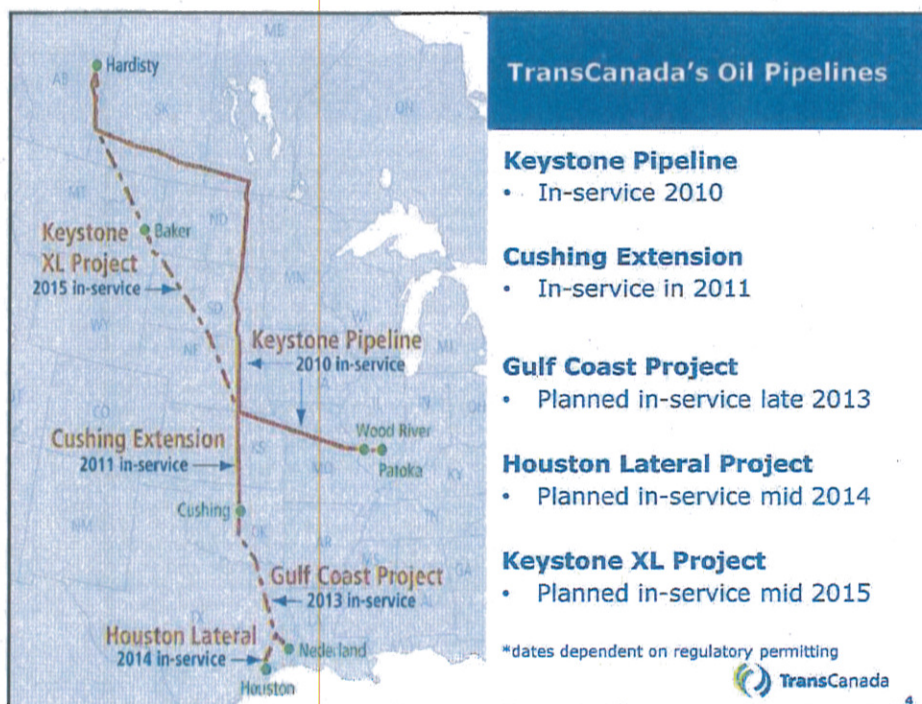
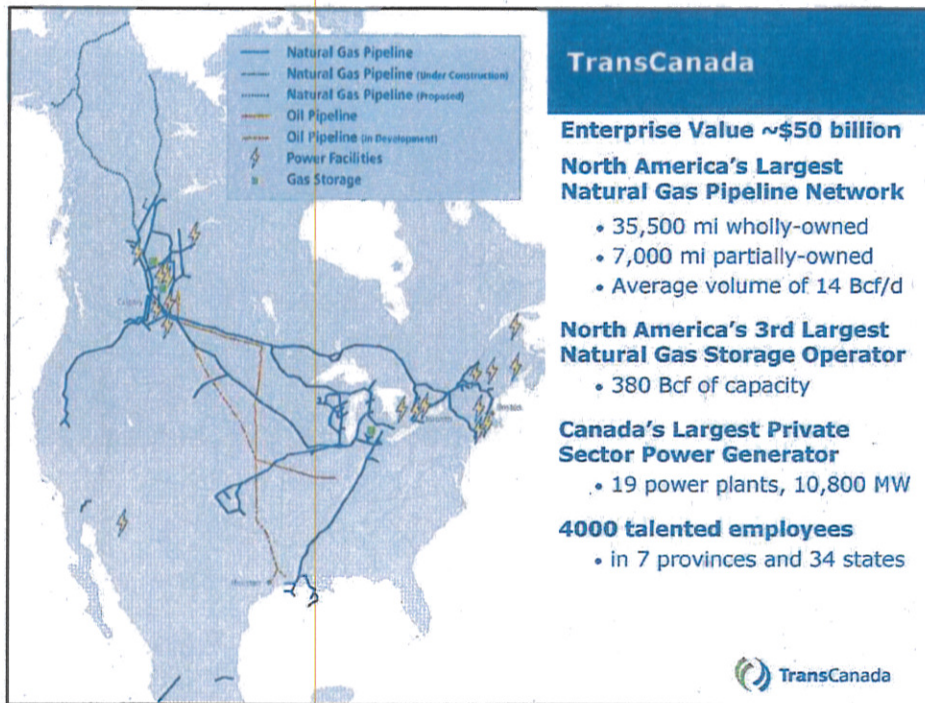
Forward-Looking Information

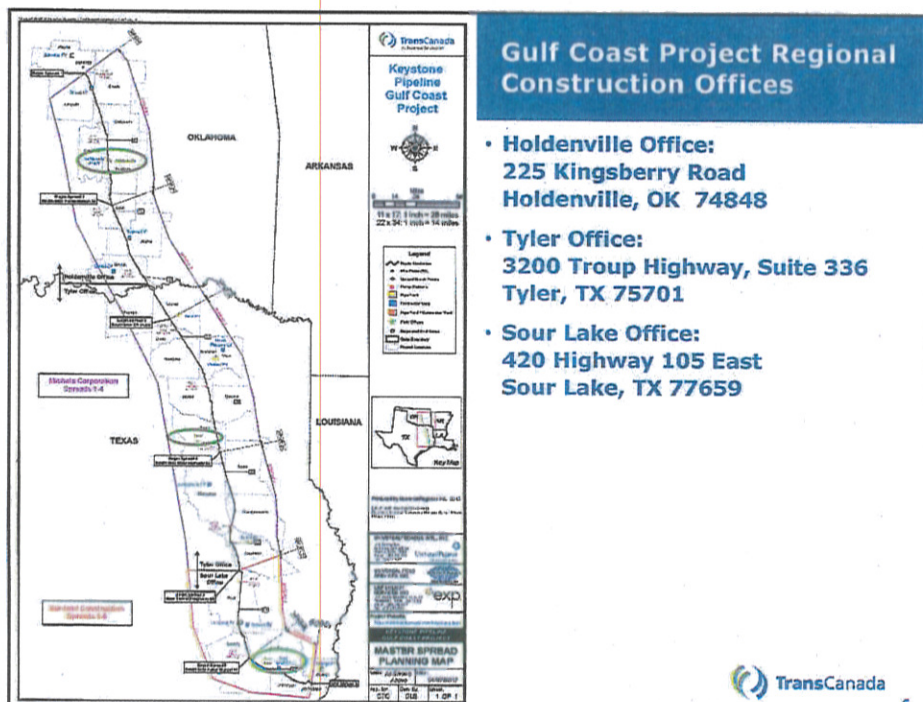
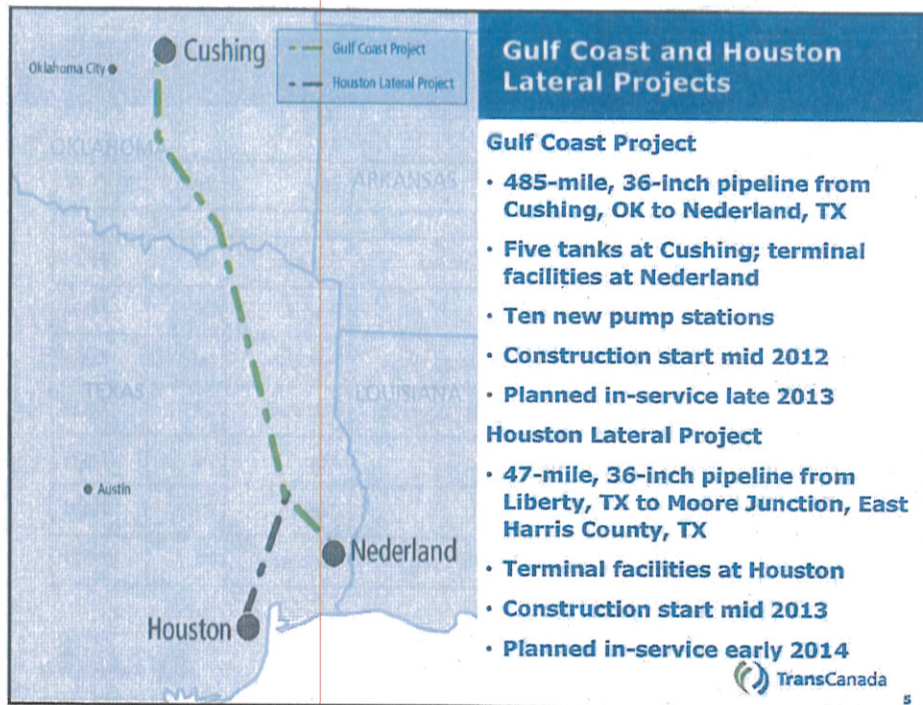


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TransCanada





Gulf Coast Project Spread Construction Offices



Location	Type	Address	City	State	Zip Code
Stillwater	Pipe	10817 E. 19th Ave.	Stillwater	OK	74074
Prague	Contractor Yard		Prague	OK	74864
Seminole	Material Storage	35591 Frontage Road	Seminole	OK	74864
Holdenville	ROW Lay Down	307-559 Kingsberry Rd	Holdenville	OK	74848
Tushka	Contractor Yard	US-75	Alto	OK	74525
Paris	Pipe	FM - 1497	Paris	TX	75460
Paris	Contractor	8725 Hwy 82 West	Brookston	TX	75421

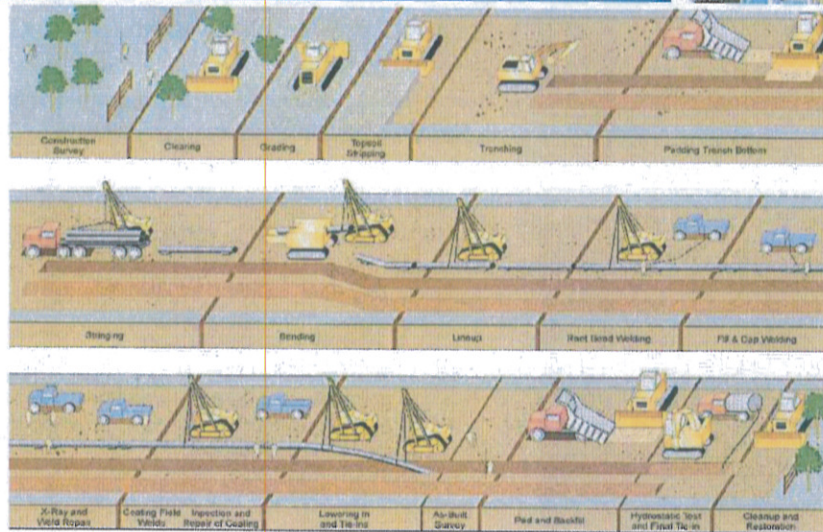
Guiding Principles for Land Services



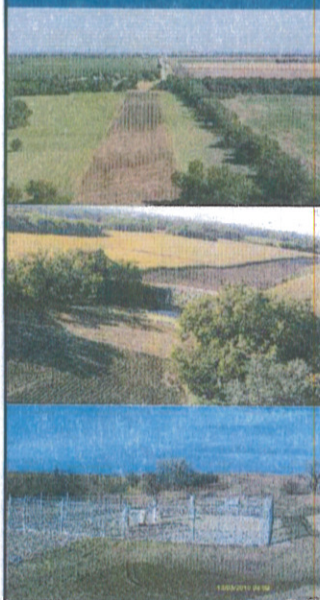
• TransCanada is committed to building and maintaining positive relationships with landowners and communities

- Respect and Trust
- Compliance
- Safety
- Land Rights Management
- Risk Mitigation
- Operational Excellence
- Social Responsibility
- Issue Resolution
- Records Management

Pipeline Construction Process



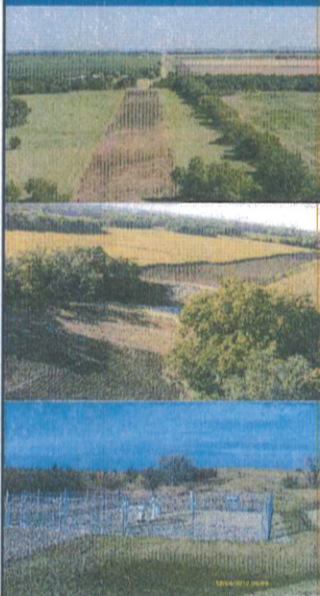
Pipeline Facilities



- Pipeline located within legally acquired Right of Way
- Land is restored as close as possible to original state
- Constructed from high strength welded steel pipe
- Buried a minimum of four feet below grade
- Remotely operated valves:
 - Backup power for actuation, communication and control
 - Strategically spaced
- Protected against corrosion
- Maintained via regular air and ground surveillance, and remote monitoring



Pipeline Safety



- Designed, built, operated, and maintained by qualified people
- Monitored and controlled 24/7 using modern SCADA systems and qualified operators – sensors, with data refreshed every 5 seconds
- TransCanada's standards and operating practices meet or exceed all federal codes and industry standards
 - High quality steel
 - Rigorous testing for coating integrity
 - Pressure testing to design strength
 - Construction worker training and qualification program
 - Owner and contractor Quality Management Systems
 - Pipe integrity internal inspection prior to in-service
 - Traceability of all components
 - Executive certification



Pump Stations



- **Pump Station Size: Between 6-8 acres**
- **TransCanada owned land**
- **Contains pumps, valves, meters, sumps, pig launchers, electrical substation, pump controls, ancillary equipment**
- **Remotely monitored and controlled**
- **Automatic safety systems**
- **Electronic security systems**
- **Site is fenced, graveled and secured**



Tank and Terminal Facilities – Cushing, OK



- **Terminal Size: Between 40-60 acres**
- **TransCanada owned land**
- **Tanks typically from 250,000 bbls to 400,000 bbls**
- **Tanks installed within large tank containment areas**
- **Tank fire suppression systems**
- **Facilities typically manned**
- **Automatic safety systems**
- **Electronic security systems with security cameras**
- **Site is fenced, graveled and secured**



Incident History - Nebraska



- **Bold Nebraska – protest/demonstrations.**
- **Omaha Office.**
 - **Opposition attendance.**
 - **Suspicious Vehicles/Photography.**
- **Northern NE – Aggressive/Abusive landowners.**
 - **Merrick County Board Meeting – Aggressive behaviour, slap on the shoulder.**
 - **NE State Legislature – Call to Sen. DUBAS office. "Militia", "Army of the South Platte", "If the legislature wasn't going to stop it then we will".**
 - **"There are places out there where he could put them where they would never be found."**



Incident History - Nebraska



- "Longed for the days when you could shoot people on your land."
- General Public Complaints to:
 - Local Sheriffs Department and Sen. JOHANN'S office.
 - Local Sheriffs Department re: driving, speeding.

Level of capability and intent - low.



Incident History



- Hacker group "Anonymous" – Denial of Service.
- South Dakota – blockade but not TC related.
- Occupy Houston – Attended Houston office.
- Aggressive/abusive email and voicemail. "Blow Up".
- Pipeyard's – photography, helicopters, suspicious persons.

General Response – "Stand Down" and report to the local Sheriff's Department, State Patrol, and FBI as required.

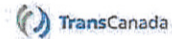


Incidents History - Gulf Coast Project



Oklahoma:

- Aggressive/Abusive landowners – "First shot will be in the side door of the truck..."
- Protester walked in to the lane of a slow moving vehicle.
- Surveillance/scouting activity.
- No physical violence to this point.



Incidents History - Gulf Coast Project

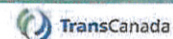


Texas:

- Demonstration/ protest activity.
- Attempts to blockade.
- Chaining/Lock on - vehicles and equipment.
- Treehouses.
- Occupy Pipe.
- Occupy Houston.
- Equipment vandalism.
- No physical violence to this point.
- Banners, signs.
- Social media organization.
- STOP, Rainforest Action Network, Tarsands Blockade.



Who are the Protesters?



Lead by "Professionals" & Organized

"Monday was another 100-degree day in north Texas. I've been in Denton for over a week now, living with some of the folks organizing the Tar Sands Blockade. We spent the morning tidying up the house in preparation for more visitors: our liaison for east Texas and a training crew sent by Greenpeace ...the storm of strategy meetings and training sessions that would take place over the next week."

...But nowhere have I felt the opportunity to make as great of a difference as I do here in Texas. Among other things, I've really gotten to put my grad school education to use and organized my first facilitation training last Friday."

