Shell Scotford overview

- **Refinery**
  - Diesel, Gasoline, Jet Fuel

- **Chemicals plants**
  - Building blocks for water bottles, foam food trays, truck bed liners, diapers, etc.

- **Upgrader**
  - Converts bitumen into crude oils

- **Quest Carbon Capture and Storage**
  - 1 million tonnes CO2 capture/yr

- Largest industrial complex and taxpayer in Strathcona County
Business Update

- Provincial oil production curtailment impact on refiners
- Outlook not as favourable in the medium to long-term for refined products
- Growth opportunities in petrochemicals
- Work to be done on regulatory certainty/efficiency
- Alberta needs to bridge competitiveness gap with other global investment opportunities
Energy Efficiency

- Scotford uses ~65% of the energy of a standard comparable refinery
- The most energy efficient facility of its type in the world
- Last year, we further reduced our CO$_2$ emissions by 30k tonnes
- Our energy efficiency by design along with carbon capture is a model for industrial complexes
- We are looking at opportunities to improve upon this leading position
Quest Carbon Capture & Storage

- Over one million tonnes CO$_2$ per year capacity
- Permanent underground storage
- Stored over 3.9 million tonnes of CO$_2$
- Quest has the global CCS records for:
  - Capture in a one-year period (1.2 Mt)
  - Most CO$_2$ stored by an on-shore CCS project
Turnaround Activity

- What is a maintenance turnaround?

- Spring and fall turnarounds scheduled for 2019

- Turnarounds are a sustainable source of trades employment annually (in excess of a thousand turnaround workers employed at Scotford).

- Operating facilities are a major employer of the trades in Alberta.
Fuelling Kindness

- Program started by employees at Scotford adopted by Shell Canada across the country and has spread to Shell locations in the US
- Employees go out into the community to make someone’s day better

30 Fuelling Kindness Events

40 Organizations received in-kind donations

$445K Contributed to United Way from Shell Scotford and its employees

$110K Contributed to local organizations via employee volunteers and Shell’s community service fund

23 EIPS & EICS schools that had positive messaging on first day of school

$250K Directly invested in our community
**Fuelling Kindness**

- Community members are encouraged to join us on September 3 to welcome kids back to school with positive chalk messages.

- Have a great idea for how we can make a positive impact on people in the community? Let us know! How can we fuel more kindness in 2019?
Questions?

Q&A