



# Shell Scotford

Annual Update

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# 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 CO<sub>2</sub> 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<sub>2</sub> 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<sub>2</sub> per year capacity
- Permanent underground storage
- Stored over 3.9 million tonnes of CO<sub>2</sub>
- Quest has the **global CCS records** for:
  - Capture in a one-year period (1.2 Mt)
  - Most CO<sub>2</sub> 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

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

**\$110K**

Contributed to local organizations via employee volunteers and Shell's community service fund

**\$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?





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**Questions?**

**Q&A**

