



Shell Scotford

Strathcona County Council

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General Manager, Scotford Upgrader



What is Shell Scotford?

- Upgrader, Refinery, Chemicals Plant and Carbon Capture & Storage (CCS) Facility
 - Producing gasoline, diesel and jet fuel for western Canada
 - Producing ingredients for manufacturers to make plastic water bottles, foam food trays, truck bed liners, diapers
 - Canada's largest producer of elemental sulphur
- Approx. \$125 million annually in contracts in Strathcona County & Fort Saskatchewan
- \$56 million in property taxes paid to Strathcona County in 2016



Impact of global economy on Scotford



SCOTFORD



Quest Carbon Capture & Storage

Quest captures and safely stores its first million tonnes of CO₂

■ Highlights

- 40+ tours since 2015:
 - Interest from China, South Korea, UK, USA, Norway, more
- First CCS project applied to oil sands operations
- Exceeding target of capturing one million tonnes of CO₂ per year
- Subsurface geology is proving ideal for long-term, safe storage of CO₂
- Operating costs for Quest are also 30 per cent less than expected
- Any intellectual property or data generated by Quest is publicly available



Climate Change Challenge

Case Study: Desert Sunlight Solar Farm

- Opened in 2015
- Displaces 300,000 tonnes CO₂ per year
- Size: Covers approx. equivalent of all land in Sh Pk between Baseline Road and Wye Road
- Cost: \$2.00 billion USD, aided by government loan

Case Study: Quest CCS

- Opened in 2015
- Displaces 1,100,000 tonnes CO₂ per year
- Size: Covers equivalent of Wal-Mart parking lot
- Cost: \$1.35 billion (incl. 10 years operation) aided with government grants of \$865M



Significant Refinery Project

Debottlenecking Hydrocracker Unit

- Significant dollar investment from Royal Dutch Shell plc
- 20% capacity increase in hydrocracker
= +14,000 bpd of gasoline, diesel & jet fuel
= **More bitumen refined to gasoline in Alberta**
- 1,000 jobs at peak construction in 2016



Turnaround Activity

Completed four major turnarounds in past two years:

- Upgrader – Spring 2015 & 2016
- Refinery – Fall 2015 & 2016
- No turnaround activity planned for 2017.
- Next turnaround in 2018.



Fuelling Kindness (Community Crew)

Continue to support community through our Fuelling Kindness initiatives

- Random acts of kindness completed in Sherwood Park
- 50+ Days of Caring completed to date in 2016
- 35+ organizations have received silent/live auction donations
- \$141,500 donated via Community Service Fund (2015 total)



Community Investment

Highlights from our 2016 programme of strategic donations:

- \$493,000 – United Way, Alberta Capital Region
- \$300,000 – Strathcona County Public Library - Main bookmobile sponsor & wi-fi access at county halls
- \$34,500 – Florian Park Reforestation (in Foxhaven)
- \$30,000 – Community Grants: Linking Generations, Edmonton Adaptive Sports Association (sledge hockey)
- Plus, financial support for:
 - Josephburg Ag Society Farm Smarts Safety Camp
 - Positive Ticketing
 - Be Seen Campaign (coming in 2017)
 - Christmas in the Heartland



Josephburg Agricultural Society's Farm Smarts Safety Camp

Looking Ahead

- Moving into run & maintain mode after two years of turnaround activity
- Internal Focus on Cost Reduction, Finding Value
- Scotford Community Grants





Questions?

