



Shell Energy and Chemicals Park, Scotford

Life in the Heartland Update

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SCOTFORD: PRODUCING VITAL ENERGY PRODUCTS

- Refinery opened 1984
 - 114 kbpd
- Chemicals plants - Styrene in 1984, Glycols in 2000
- Upgrader opened in 2003, expanded in 2011
 - 320 kbpd
- Turnaround (Ref, Chem & UPGN pitstop ongoing)
 - UPGS and Chem (2025 Spring TA upcoming)



SHELL ENERGY AND CHEMICALS PARK SCOTFORD

CANADA'S MOST ENERGY EFFICIENT REFINERY

CUSTOMER FOCUS

Delivering customer centric products from current and new value streams.
Bringing customers and assets together.

POTENTIAL FUTURE PRODUCTS &
PERFORMANCE CHEMICALS



LOW-CARBON
FUELS



BIO-FUELS
AND
HYDROGEN



LOW-CARBON
CHEMICALS

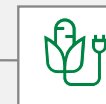
CARBON CAPTURE AND STORAGE

Proven CO₂ capture and storage performance /
leveraging strong geology



2000m

POTENTIAL FUTURE RENEWABLE
FEEDSTOCKS



BIOMASS



WASTE
OILS/FATS

RENEWABLE POWER



CCS AND PROPOSED CO₂ STORAGE HUB

QUEST CCS

Quest CCS captures and stores about 1 million tonnes/yr CO₂ for the AOSP upgrader. Quest has captured more than 9 million tonnes of CO₂ since opening in 2015.

POLARIS Carbon Capture

Shell is building Polaris Carbon Capture to capture about 650,000 tonnes/yr from Scotford refinery and chemicals.

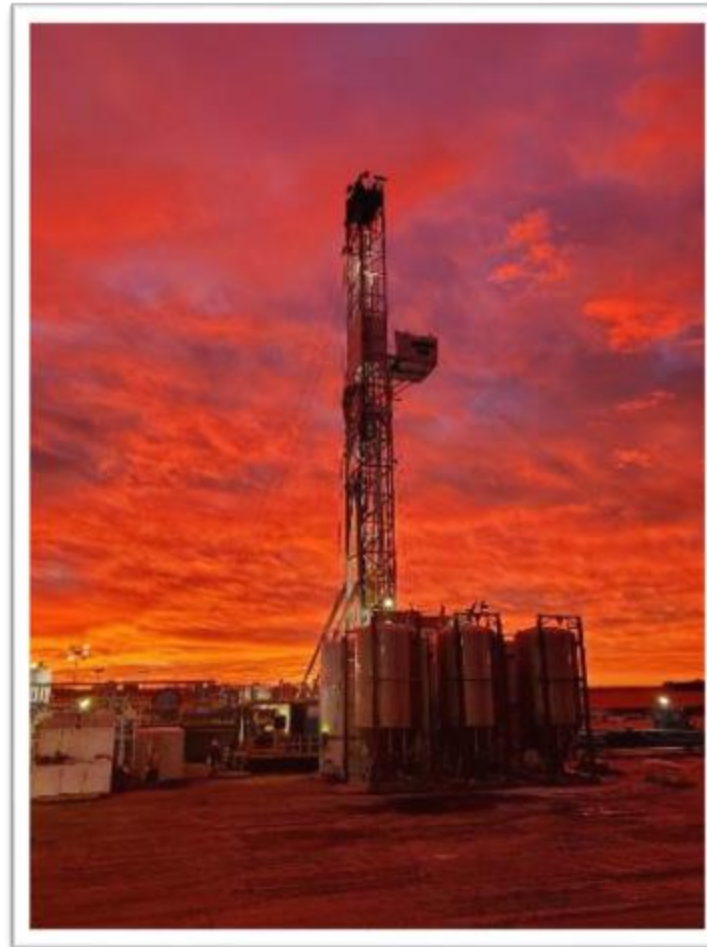
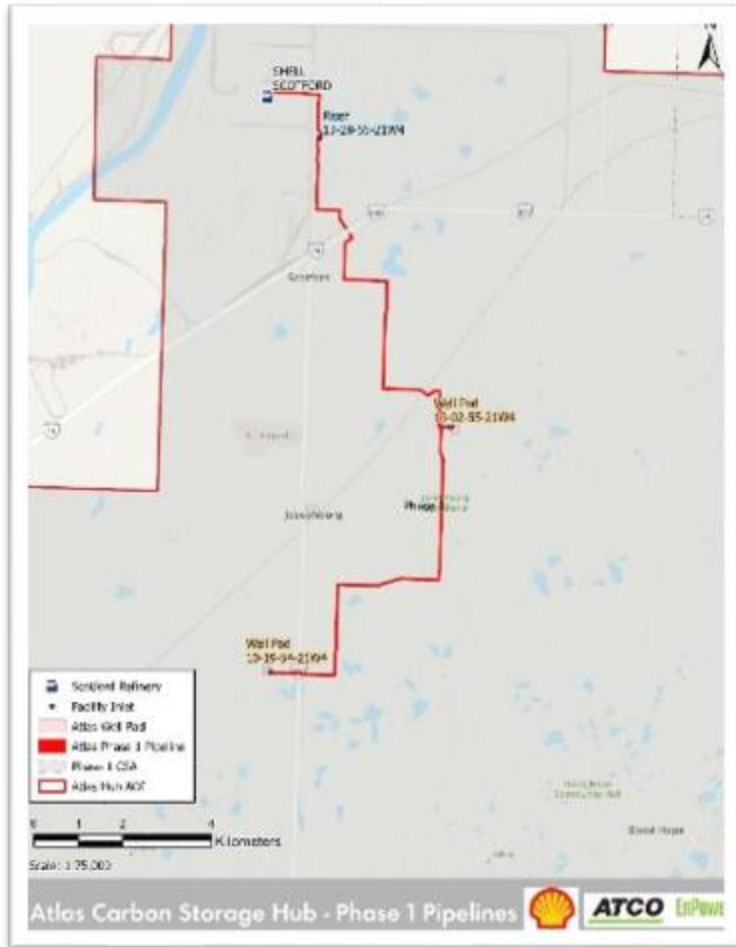
ATLAS CARBON STORAGE HUB

Will see the creation of a CO₂ storage hub (Shell/Atco). First phase will store CO₂ from Polaris. A future phase, if built, could provide CO₂ transport and storage on behalf of existing and new third-party emitters.

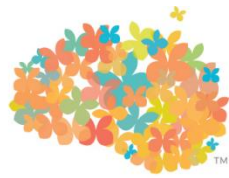


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ATLAS CONSTRUCTION UPDATE



INVESTING IN OUR COMMUNITY



Mental Health **Foundation**
We have a better future in mind.™

- Free virtual mental health care for youth
- In-person location under construction in Fort Saskatchewan



- Christmas in the Heartland Annual Sponsorship

WBF™
WOMEN BUILDING FUTURES®

- Supporting women in trades entering careers in the Heartland



- Launching this month – up to \$50k per grant for projects that support both small and large-scale energy solutions

