

THE

April 2022

# UTILITYSOURCE

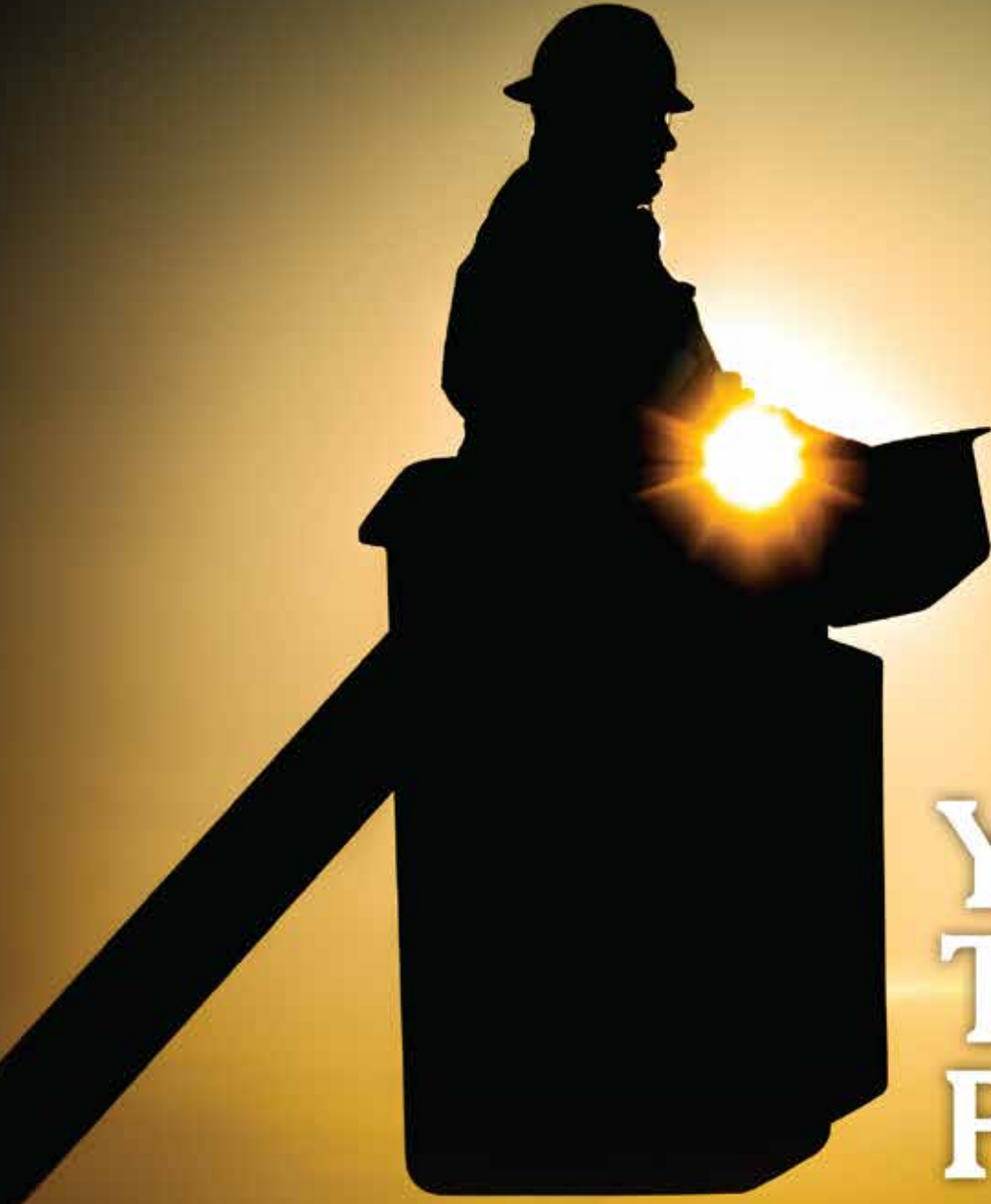
Products and Services for Today's Electric, Telecom, and CATV Utilities

## LX830 Feller Buncher Advances to E-series

Tigercat Enters  
Yarding Niche  
with 180







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# THE UTILITYSOURCE

Products and Services for Today's Electric, Telecom, and CATV Utilities

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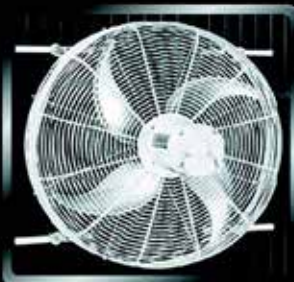
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- Perhaps most importantly, it is available with shorter lead times and lower prices and is not subject to the current PVC shortage.

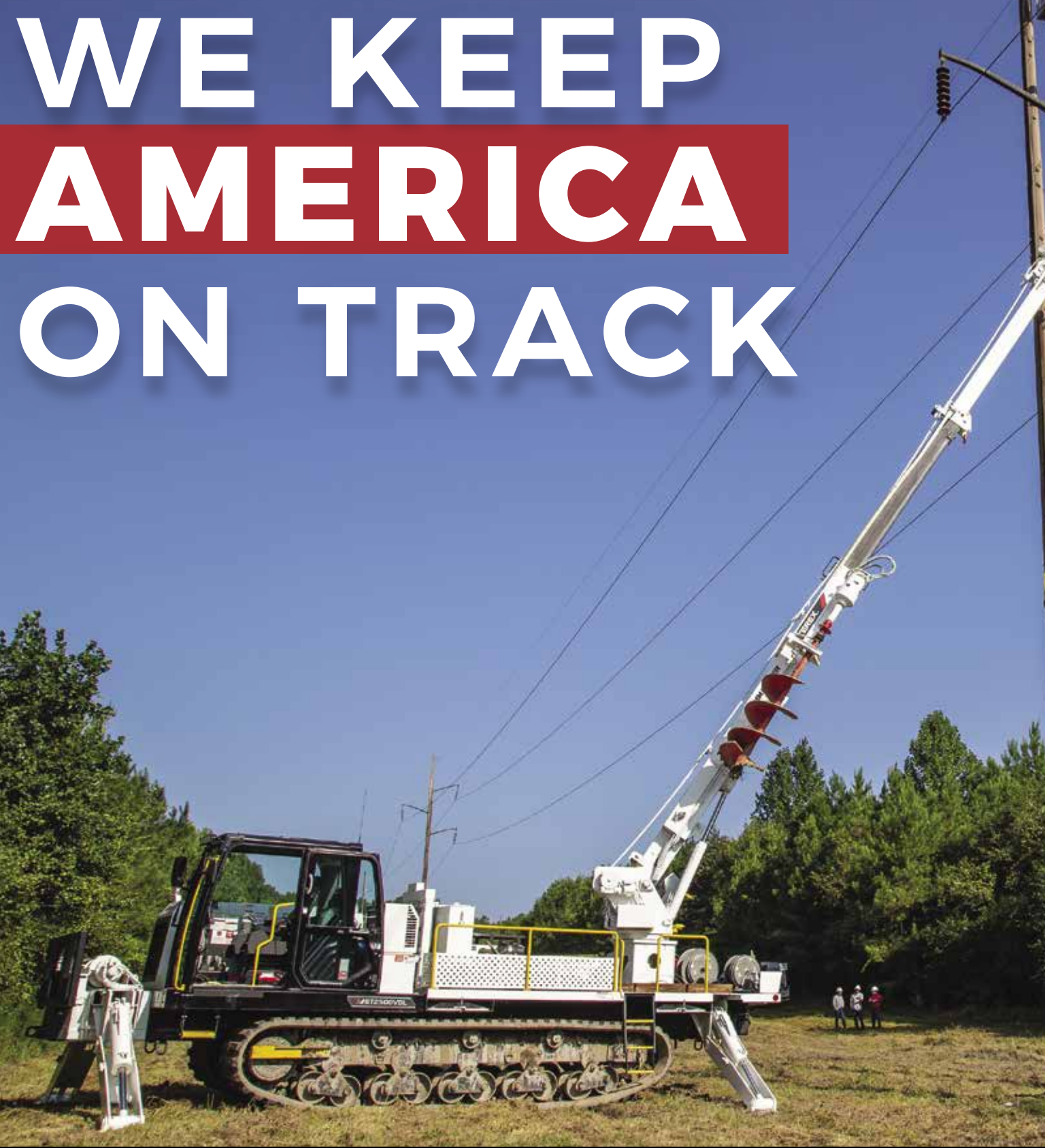
Even first-time installers comment on the ease of installation of Champion Fiberglass conduit. In fact, one recent customer was able to install three miles of conduit in underground duct banks in one day thanks to gasketed couplings, where no adhesive was necessary to join sections.

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## GREAVES

# Tigercat Enters Yarding Niche with 180



Tigercat builds the first model for cable logging operations.

The new Tigercat 180 swing yarder is purpose-built from the ground up. It combines the speed and stability of conventional yarders with the mobility and simpler controls of excavator-based yarders. The result is a powerful and versatile yarding machine for extreme terrain logging applications. The 305 kW (409 hp) carrier was carefully designed with a component layout, hydraulic system, drivetrain, and boom system optimized for yarding. The result is high line pull, excellent stability, and efficient operation.

Designed to achieve exceptional stability, The 180 can achieve high line pull without the use of guylines in most operating conditions. The purpose-built undercarriage has a reinforced pedestal and carbody with an extended blade for added stability. The blade mounts are tied directly into the carbody for added strength. The machine can be quickly moved to the next set-up by simply lifting the blade. In



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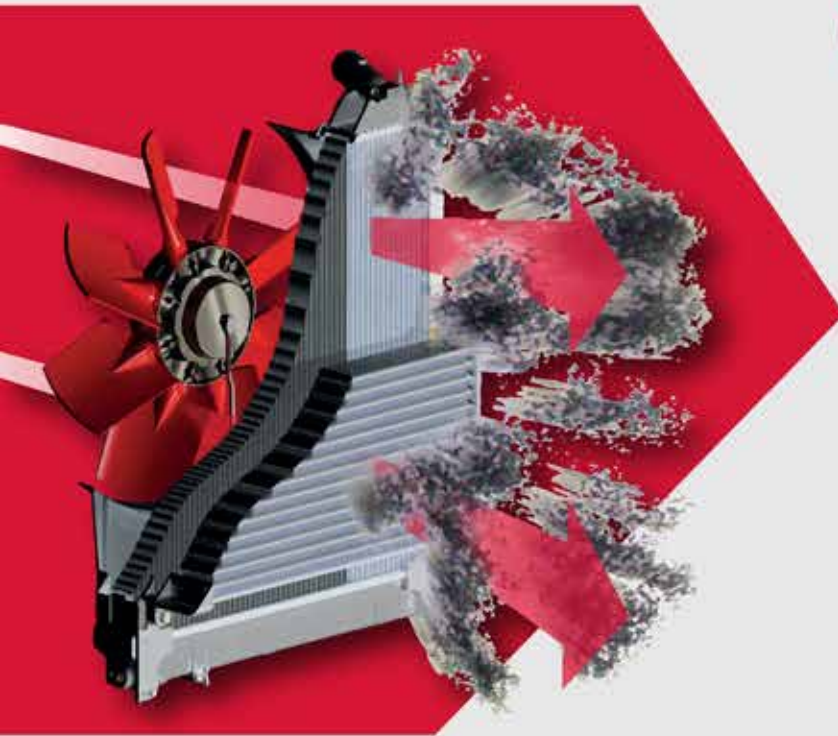
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Tigercat releases the LX830E track feller buncher with the latest features and upgrades, including a redesigned debris management system and an upgraded operator's seat.

The LX830E is a powerful and stable leveling feller buncher with a compact tail swing and a high performance closed loop track drive system, well suited to steep slope thinning and final felling applications.

The updated E-series cab includes a new parallel action air ride seat with integrated heating and cooling. The reclining seat is fully adjustable with seat angle and seat extension adjustment. The wider seat cushion and lumbar support provide operator comfort all day long.

The HVAC controls feature a new infinitely variable fan speed control, adjusted on the control panel



A yellow LX830 Feller Buncher is shown in a forest setting, pulling a log with a chain. The machine is positioned on the left side of the frame, and the log is being pulled towards the right. The background consists of tall, thin trees and a dense forest. The text "LX830 Feller Buncher Advances to E-series" is overlaid on the right side of the image in a large, white, serif font.

# LX830 Feller Buncher Advances to E-series

or the machine control system touchscreen, adding to operator comfort. Multiple convenient storage locations with nets have been added to the cab to keep items secure.

A redesigned engine enclosure provides improved roof access for clearing debris. A boom slider also reduces debris build-up in hard-to-reach areas.

A hot shutdown feature has been added. This allows the turbo to sufficiently cool before stopping the engine, improving turbo life. A larger, spring-assisted pump cover allows for easier service access to the hydraulic pump area. Hydraulic enhancements include quicker anti-stall response, consistent anti-cavitation flow and improved heat rejection. •

# Growing Line of Tigercat Grapples

Tigercat is steadily growing its line of grapple attachments in an effort to provide end-to-end Tigercat branded solutions that integrate seamlessly with Tigercat loggers, loaders and shovel loggers.

The new butt-n-top and shovel clam grapples are built with durable boxed style jaws fabricated from high strength steel. Replaceable tine tips are made from abrasion resistant steel.

High quality, heavy duty components are used throughout. Cushioned cylinders, and a soft-start and stop slew hydraulic circuit prevent structural shock loads and promote extended grapple life while providing ample speed and torque for excellent performance.

Hydraulic hoses are routed on top of the boom and under the connecting pin to best protect the hoses from damage. The BT08 and SC08 grapples are simple to maintain with easy access to daily service points and critical components. A sealed electrical box protects electrical components from the elements.

## ***Butt-n-Top***

With a 0,7 m<sup>2</sup> (8 ft<sup>2</sup>) load capacity area, the BT08 butt-n-top grapple is designed to match up to the 865, 875E and 880E series loggers. The overall design provides exceptional control of tree-length timber. The jaw profile rolls the logs into the load area to maximize load size and minimize cycle times.

## ***Shovel Clam***

The new Tigercat SC08 shovel clam grapple is designed for the LS855E and LSX870D shovel loggers. Also with a 0,7 m<sup>2</sup> (8 ft<sup>2</sup>) load capacity, the shovel clam grapple provides an alternative to dangle style log and bunching grapples. The SC08 can enhance shovel logger functionality and productivity by increasing control of the trees and the speed at which the operator can gather and manipulate the bunches.





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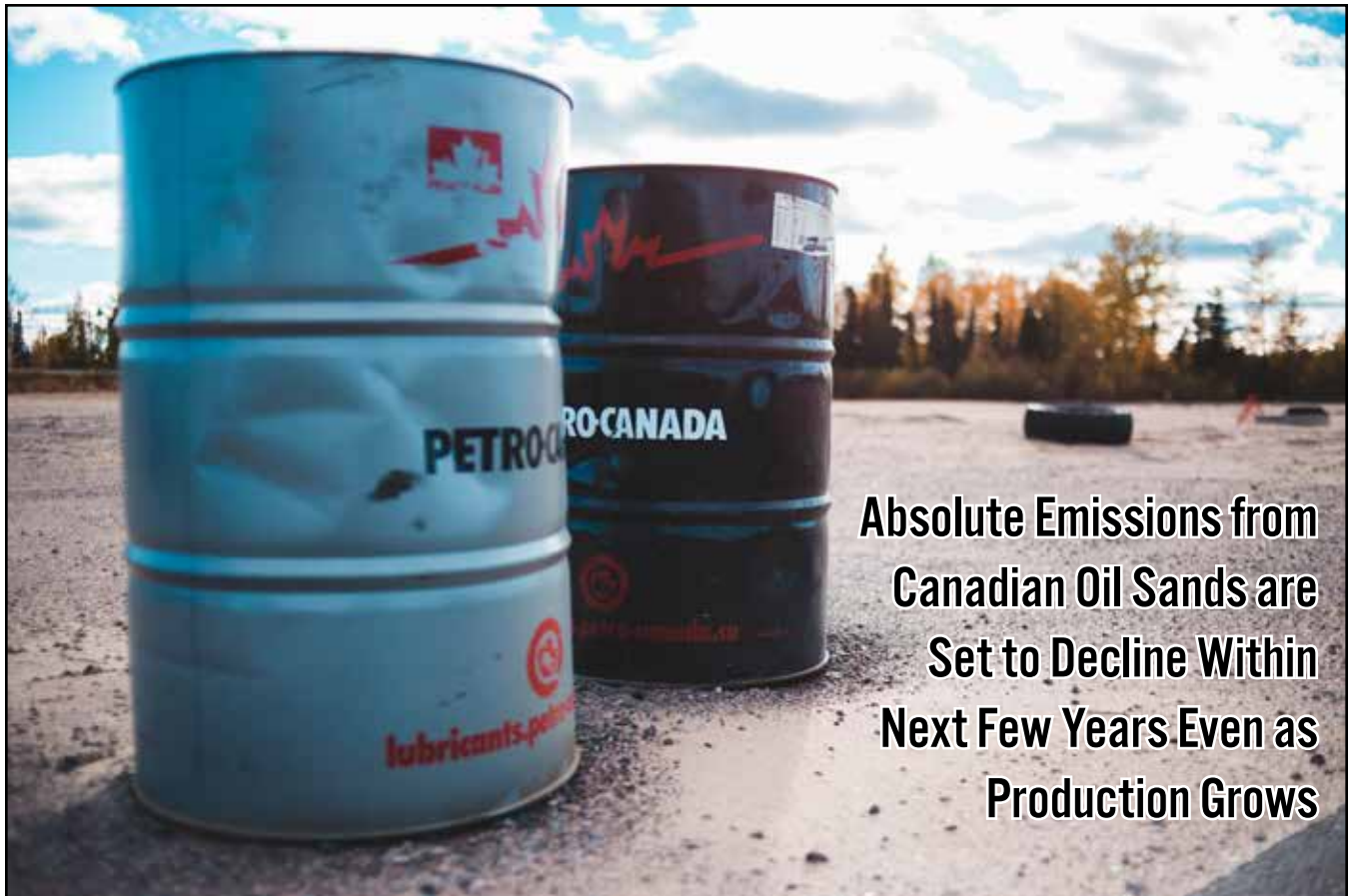
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## **Absolute Emissions from Canadian Oil Sands are Set to Decline Within Next Few Years Even as Production Grows**

New S&P Global Commodity Insights report finds continuing efficiency improvements, as well as new technologies, are poised to overtake slowing production growth and result in absolute emission reduction by middle of this decade

By the middle of this decade greenhouse gas (GHG) emissions from Canadian oil sands production should be in decline even as production continues to grow, according to a new comprehensive report by S&P Global Commodity Insights that takes into account current technology trends and production growth.

Entitled *The Trajectory of Oil Sands GHG Emissions: 2009-2035*, the report by the S&P Global Oil Sands Dialogue says that long-term trends of reductions to the GHG intensity of oil sands production are set to reach an inflection point around 2025. Immediate pressure on absolute emissions to rise is expected in the short-term prior to that point. Absolute emissions are then expected to begin to decline from a level between 87-89 MMtCO<sub>2</sub>e, even as production rises by more than 600,000 barrels per day during the same period (2020 to 2025).

The findings of the report confirm a preliminary analysis from the same team released earlier this year. "GHG intensity improvements do add up," said Kevin Birn, vice president, GHG estimation and coordination, S&P Global Commodity Insights. "Our latest analysis shows that, if existing trends continue, they will overtake pressure from a slowing growth profile leading to absolute emission declines within the next few years."





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From 2020 to 2035, S&P Global Commodity Insights projects GHG intensity of the Canadian oil sands could decline from 20-28% with some segments seeing much more dramatic reductions. Meanwhile, production growth in the study was projected to increase by more than 800,000 to 1.2 million barrels per day during this period. Most of that growth is expected to occur by 2025.

Efficiency improvements, including higher facility utilization rates as well as the roll-out and ramp-up of newer, less GHG-intensive operations have been leading contributors to past intensity reductions. These factors are expected to continue to play a role in future. However, carbon capture and storage as well as what S&P Global Commodity Insights is calling steam displacement technologies have the potential to result in more dramatic reductions.

“Although it can take time to be developed, carbon capture and storage is a wildcard when we look at technologies that can really make a difference for large industrial scale emitters like in the oil sands,” Birn said. “Another wild card is the increasing use of what we are calling steam displacements technologies in thermal oil sands operations. This category of technologies can materially reduce the steam, and thus emissions required to produce a barrel of oil.”

Steam displacement technologies physically replace steam required per barrel with solvents, or noncondensable gas like methane. These technologies can have large implications for oil sands thermal extraction emissions and can even result in increased productivity.



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"We were struck by the some of the success of steam displacement technologies occurring in the field," Birn said. "They show great potential to influence future oil sands GHG emissions and even enhance the level of future production."

"This new S&P Global Commodity Insights analysis is arguably the most rigorous examination of oil sands GHG emissions to date and the findings that, even if current trends continue, absolute emissions are set to decline within the next few years are profound," Birn said. "This may yet prove to be a conservative estimate with both industry and governments in Canada vowing to take more material actions to lower the oil sands emissions profile and improve the long-term carbon competitiveness of the sector to better compete through the energy transition."

S&P Global Commodity Insights estimates that the announced ambition of Oil Sands Pathways to Netzero—a consortium of major oil sands producers representing more than 95% of industry output—could result in oil sands GHG emissions falling by 19 MtCO<sub>2</sub>e by 2030 relative to 2020. That is 17 MMtCO<sub>2</sub>e lower than S&P Global Commodity Insights projection for 2035. Recently the government of Canada announced it could be seeking even greater reductions from the sector.

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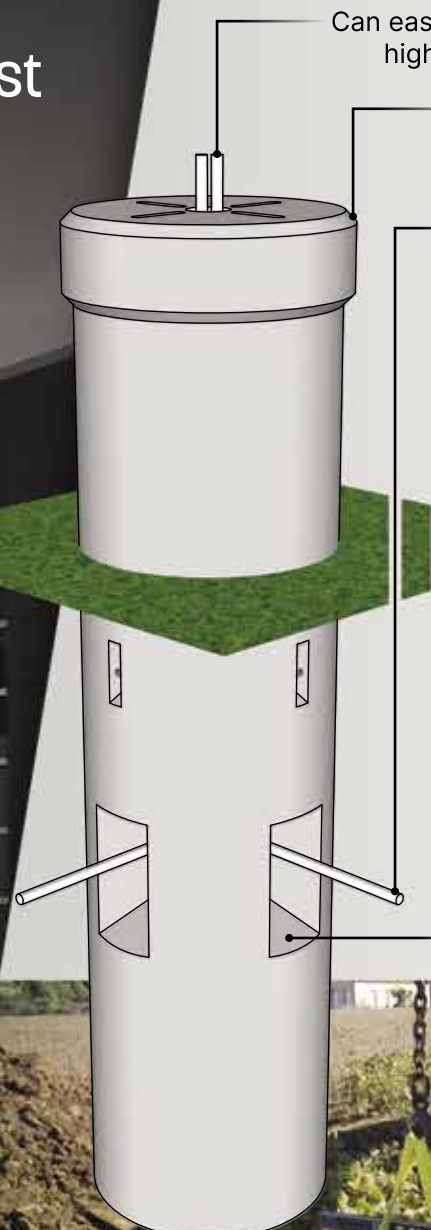
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**1**  
Step 1: Remove  
Damaged Conduit



**2**  
Step 2: Cut Split  
Duct Conduit to Fit



**3**  
Step 3: Snap in  
Place



**4**  
Step 4: Attach  
Adapters



**5**  
Step 5: Finish Job  
in Record Time

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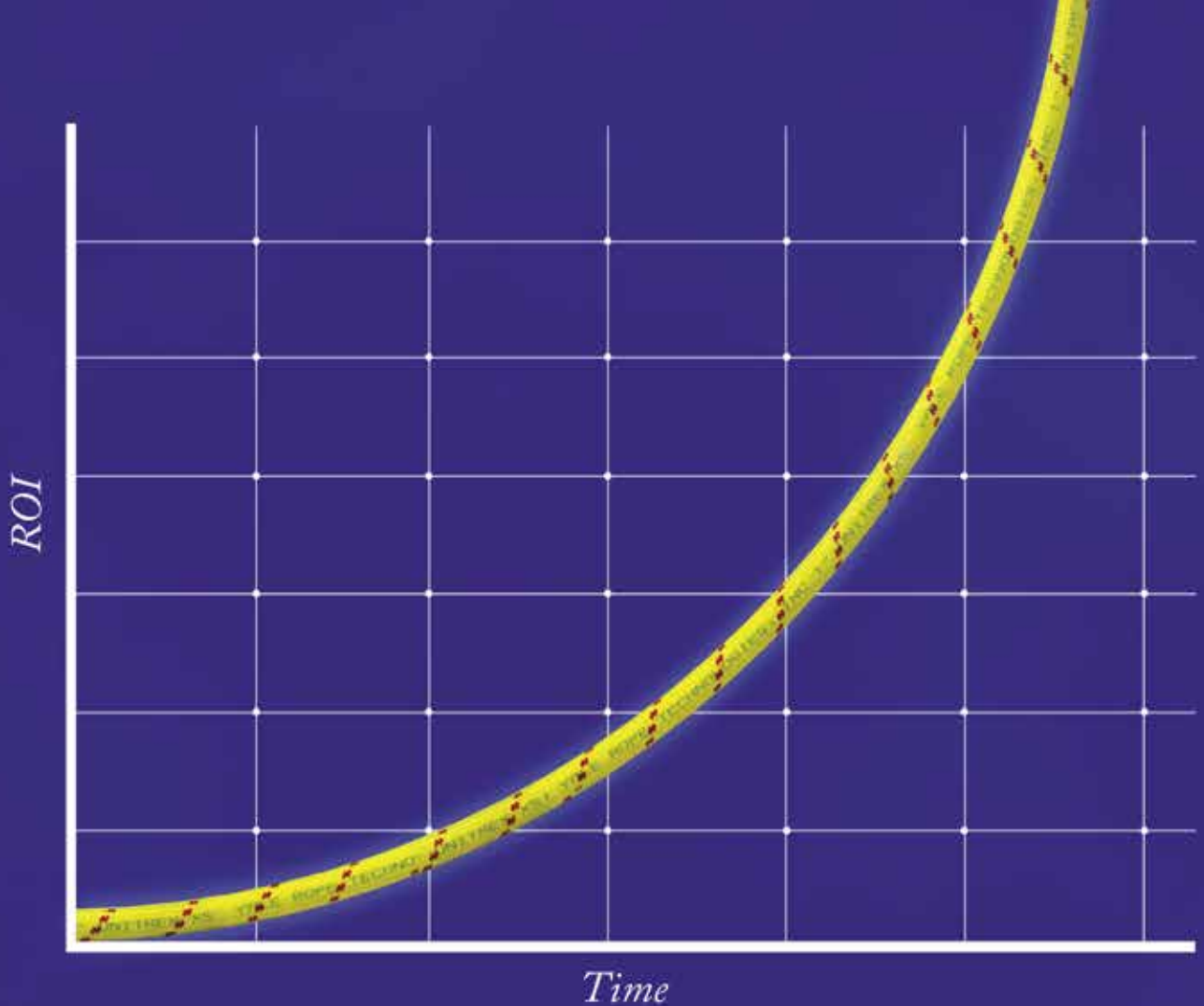
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