Create Shareholder Value

World-Scale Net-Zero Hydrogen Energy Complex
Edmonton, Alberta, Canada

June 9, 2021
Forward-looking statements

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Moving forward

Air Products’ World-Scale Net-Zero Hydrogen Energy Complex

- Air Products Alberta Heartland H₂ Pipeline for H₂ Customer Supply
- H₂ Plants (future)
- Liquid Hydrogen for Merchant Market and H₂/M (30 MTPD)

Alberta Natural Gas

- CO₂ 95% Captured for Sequestration
- Net-Zero Hydrogen
- 55-kilometer pipeline Envision >1,500 MTPD of production

Oxygen

- ASU LIN LOX for Merchant Market
- Power for Export

H₂ Power Plant

- LHY

LHY – liquid hydrogen
LIN – liquid nitrogen
LOX – liquid oxygen
ATR – autothermal reformer

CO₂ – carbon dioxide
H₂ – hydrogen
H₂/M – hydrogen for mobility
Alberta World-Scale Net-Zero Hydrogen Energy Complex

- **Project:** Net-Zero Complex including natural gas autothermal reformer (ATR), >95% carbon capture & sequestration, air separation unit (ASU), hydrogen power plant, 30 MTPD liquid hydrogen plant & connection to Air Products’ existing Alberta Heartland Hydrogen Pipeline System

- **Products:** Net-Zero pipeline hydrogen, liquid hydrogen for mobility and other markets, hydrogen-based export power, liquid oxygen & liquid nitrogen for merchant market

- **Ownership:** 100% AP

- **Total Capital:** ~$1.3 billion (CAD)

- **Business Model:** Onsite/Merchant

- **On-stream:** 2024

- **Financial return:** Consistent with previous capital deployment commitments

- **Future Potential:** New facilities and/or retrofit of existing assets, total potential >1500 TPD hydrogen, total potential >3 million TPY CO₂ capture
Thank you
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