

| Outline | |
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| Current Views on Energy Commodity Price and Capital Energy literacy A crowded campaign What do you know about Suncor and the Oil sands? Suncor's Goals and GHGs Rational Discussion about Energy | |
| | SUNCOR |





























| Mining | SAGD In-situ |
|------------------------------------------|----------------------------------------|
| Ore is close to surface (<200 m) | Ore is deeper |
| Intensive land-use | Extensive land-use |
| High yield per disturbed hectare | Lower yield |
| High capital demands (\$12-16 B) | Lower capital (\$3-5 B) |
| Access to $H_2O \rightarrow 2-4$ bbl/bbl | Approx 0.5 bbl/bbl |
| Land Disturbance & tailings ponds | Higher GHG per bbl; Cumulative effects |

| Comparing Typical Attributes of North American Oil Plays ¹ | | | | | |
|-----------------------------------------------------------------------|-------------------------------------------|---------------------------------------|-------------------------------------|---------------------|--|
| | | | | | |
| | Tight Oil | SAGD | Mining | Offshore | |
| Initial Capital | Low | Medium | High | High | |
| Reinvestment Cycle | Short | Medium | Ultra long | Medium | |
| Operating Costs | Low | Medium | High | Medium | |
| Production | Light oil | Bitumen | Bitumen | Light oil | |
| Reservoir Risk | High | Medium | Low | High | |
| Recovery Factor | Low | High | Very High | Medium | |
| Decline Rate | Very high | Medium | Low | High | |
| Other Considerations | Land acquisition costs | Cyclical pad development | No longer need on-site upgrading | Exploration risk | |
| Suncor Exposure | 0% | ~35% | ~45% | ~20% | |
| 17 (1) Attributes are generali | zations based on Suncor's analysis of its | own projects, competitor projects, ar | nd industry research. | SUNCOR | |















































