All About COSIA

June 8, 2016
Our Vision is to enable responsible growth of Canada’s Oil Sands while delivering accelerated improvement in environmental performance through collaborative action and innovation.
To achieve our **Ambition**, we:

- Identify and assess the relative size of the technical **Opportunity Areas**
- Define **Gaps** in Opportunity Areas, some expressed as public **Challenges**
- Launch **Projects** to close Gaps and solve Challenges
Water Performance Goal

Collaboration is speeding performance improvement!

- Public transparency
- Annual reporting
- Progress to Date = 36% decrease between 2012 and 2014
Third Party Leverage
39 Global Associate Members in 2016
Third Party Leverage

Direct submissions by innovators

- E-TAP = Environmental Technology Assessment Portal

- Technologies can be submitted directly by innovators for assessment through an online non-confidential disclosure.
What else are we doing?
Creating public tools to speed collaboration and innovation.

Mining and In Situ Reference Facilities

Description:
- Develop an energy and material balance for typical facilities.

Benefits:
- Evaluation of emission reduction technologies in a consistent and comparable way.
NRG COSIA Carbon XPRIZE
  – Position AB as global hub in climate change solution space
SkyStrat “Flying Rig”
Molten Carbonate Fuel Cells
Rifle Tubes
“Eye in the Sky” Satellite
Results to date – May 2016

- Planning Framework completed and populated
- Total active projects = 252 projects = $440 million
- Technology Sharing
  - 819 technologies that cost about $1.3 billion to develop
  - 347 implementation decisions
- 3rd Party Leverage
  - Associate Member Program
  - Environmental –Technology Assessment Portal (E-TAP)
- Communications
  - Annual Update Event / strategy
  - Outreach