• Storing CO₂ underground in deep saline formation

• Independent research project – SaskPower owner and operator of the wells, Aquistore/PTRC manages Measurement, Monitoring and Verification

• Injection commenced April 16, 2015, ribbon cutting ceremony May 20, 2015

• Testing and comparing proven and novel measurement, monitoring and verification technologies for efficiency and economics
AQUISTORE: STRUCTURE AND SERC
AQUISTORE: MMV
**MMV Efficiency and Economics**

- **Fixed monitoring:** 655 geophone permanent seismic array
  - Increased repeatability factor, improved imaging
  - Significant cost savings

- **Co-located:** groundwater, soil gas, tiltmeter, InSar and GPS surface installations
  - Less surface impact.
  - Ease of access, electricity, communications.
  - Visible installations for assurance.

- **Casing conveyed:** downhole pressure & temperature gauges, DTS, DAS and fluid recovery system
  - Locating for operations and monitoring
  - Reliability, redundancy, sensitivity and lifespan
  - Wellbore availability
• Compare multi-source, multi-receiver and multi-company tools for efficacy and economics.

• Potential to replace the industry standard geophone strings.

• Applications in CCS as well as commercial applications for oil, gas and mining industries.
May 2009, Aquistore’s Science and Engineering Research Committee (SERC) formed.

Independent technical oversight committee

Provides a valuable resource to Aquistore’s public outreach program.

Landowner relationship building.

February 2012, kitchen table discussions.
THANK YOU FOR YOUR ATTENTION

ADDITIONAL THANKS TO OUR IN-KIND COLLABORATORS