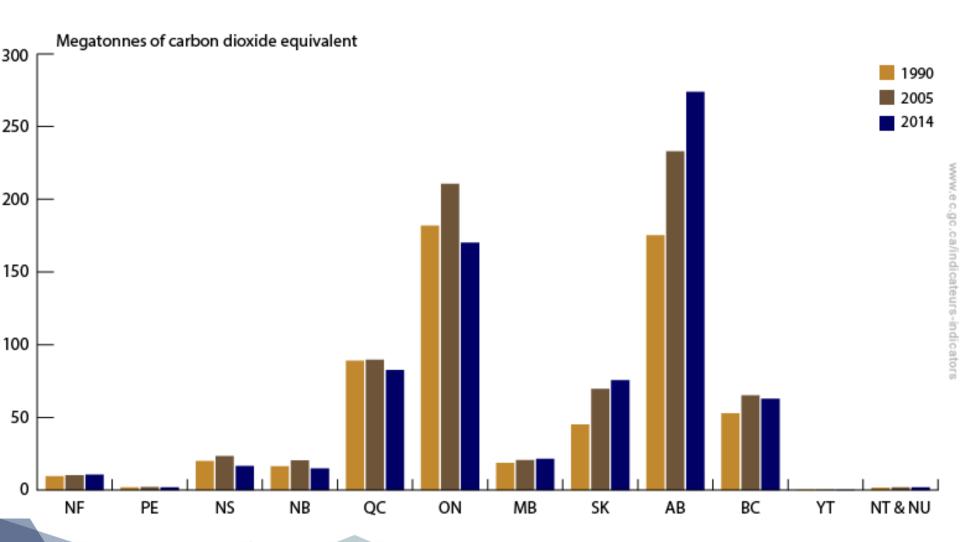


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Biological GHG Management Program

CARBON POLICY: THE ALBERTA EXPERIENCE



CARBON POLICY: THE ALBERTA EXPERIENCE

- 2007 Climate Change Plan goal to reduce emissions by 200 MT by 2050
- Imposed 12% emission reductions on LFE, with compliance options:
 - Voluntary emission reductions
 - Purchase serialized offsets
 - Contribute to the technology fund (\$15/tonne)
- Climate Leadership Plan 2016
 - Province wide carbon levy
 - Adjusted costs for LFE (2016 \$20/tonne; 2017 \$30/



CARBON POLICY: THE ALBERTA EMISSIONS OFFSET REGISTRY

AEOR operated by the Canadian Standards
 Association Group (CSA) to track ownership of carbon offset credits

One carbon offset credit represents a one tonne reduction or removal in greenhouse gas emissions from an independently verified GHG project, completed according to a government approved protocol.

CARBON OFFSETS FROM AGRICULTURE

- Reducing Emissions from Fed Cattle (2016)
- Nitrous Oxide Emission Reductions (2015)
- Biofuel Production and Usage (2014)
- Waste Biomass (2014)
- Solar and Wind Micro-Generation (Distributed Renewable Energy Generation) (2013)
- Conservation Cropping (2012)
- Beef Low Residual Feed Intake (2012)
- Beef Reduced Age at Harvest (2011)
- Dairy Cattle (2010)
- Biogas (Anaerobic Decomposition of Agricultural Materials)
 (2007)

CONSERVATION CROPPING PROTOCOL

- Conservation Cropping Protocol based on the principle of reducing carbon losses due to tillage
- Reduced tillage by changing to direct or two pass seeding (change in practice required)
- Carbon yield fixed at 0.11 tonnes/acre in parkland region
- Yields \$1.40 to \$0.70/ac to the farmer
- Expires in 2021

IMPACT OF OFFSETS IN ALBERTA

- Since 2002, nearly 13Mt CO2eq have been removed by improvements in agricultural practice
- Offsets have generated about \$170M for farmers and aggregators
- Alberta has taken a leadership role in sharing science and regulatory process with other jurisdictions including California, Ontario, Quebec and the global community (UN IPCC)

CONTACT FOR MORE INFORMATION:

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