Growing Forward 2

Water Programs

Irrigated Crop Production Update January 21, 2014 - Lethbridge

Alberta Canada Government

GROWING FORWARD 1: 2009-2013

- A federal-provincial-territorial (FPT) framework which expired on March 31, 2013.
- Key Objectives:
 - Focusing on building a competitive and innovative sector.
 - Ensuring the sector contributes to society's priorities.
 - Being proactive in managing risks.

GROWING FORWARD 1: 2009-2013

- Growing Forward Water Management
 Program
 - Introduced a plan, ing)requirement
 (LTWMP).
 - Financia as stance
 - Sundard incentives
 - Special incentiones
- 2100 LTWMD, and over 1700 projects completed.



ALBERTA IRRIGATION EFFICIENCY PROGRAM: 2008-2011

- One of five climate change programs delivered by ARD under the Alberta Climate Change Strategy
- Key objective: To facilitate the up-take of lowpressure centre-pivot (LPCP) technology to increase energy efficiency and thereby reduce greenhouse gas emissions.

ALBERTA IRRIGATION EFFICIENCY PROGRAM: 2008-2011

- 200 producers/ 239 projects
- Estimated annual energy savings:
 - 1.3M kWh electricity
 - 12,800 GJ patulal gas
 - (6.1 million m³ water per jea

Growing Forward 2

- 2013-2018
- Three Strategic Priorities:
 - Innovation
 - Competitiveness
 - Market Development
- The priorities and suite of programs reflect a 2-year engagement process with producers, processors, and other stakeholders.



- Three water-related programs:
 - On-Farm Water Management
 - Irrigation Efficiency
 - Regional Water Supply
- Other GF2 programs that touch on water management





ON-FARM WATER MANAGEMENT PROGRAM

- Program Intent:
 - Provides technical assistance to active agricultural producers to complete a Long-Term Water Management Plan (LTWMP), and;
 - Shares the cost of related enhancements of their on-farm water supply management.
- LTWMP **<u>pre</u>**-requisite.





ON-FARM WATER MANAGEMENT PROGRAM

- Standard Incentive Projects
 - Wells, dugouts, spring pipelines, etc.
 - 33% cost share 1.0 a max. of \$5,000
- Special Incontine Projects
 - Well-pit conversion, well decom., metering, construction-costs for connections, etc.
 - 50% cost shared to different maximums.
- Contact: Murray.Tenove@gov.ab.ca



IRRIGATION EFFICIENCY PROGRAM

- Program Intent:
 - Helps active producers invest in new or upgraded low-pressure centre pivot (LPCP) irrigation equipment for their operations, improving the efficiency of energy and water use on Alberta farms.
- Long-Term Irrigation Management Plan <u>pre</u>requisite.



IRRIGATION EFFICIENCY PROGRAM

- New LPCP purchase, upgrade to LPCP, pump modifications as part of LPCP upgrade, high-efficiency nozzles to existing LPCP systems
- Variable-rate irrigation sistem components, upgrades of CP control parals
- 40% cost shar of eligible costs to a maximum of \$5,000.
- Contact: Alan.Efetha@gov.ab.ca



REGIONAL WATER PROGRAM

- Program Intent:
 - To assist with the assessment and development of multi-user water supply systems in regions where traditional on-farm water supplies are not secure, so that a lack of reliable on-farm water supply is not a barrier to production.





REGIONAL WATER PROGRAM

- Strategic projects
 - Feasibility, planning, engineering studies associated with specific capital projects
- Construction projects
- Contact: Marshall.Eliason@gov.ab.ca



OTHER 'WET' GF2 PROGRAMS

On-Farm Stewardship Program:

- Similar to the former GF 'Stewardship' programs, but with a former on the protection of water quality.
 - Pasture pipelines, off-scream watering systems, etc.
 - EFP pre-requisite
- Contact: Dale.Chrapko@gov.ab.ca



OTHER 'WET' GF2 PROGRAMS

Agriculture Watershed Enhancement:

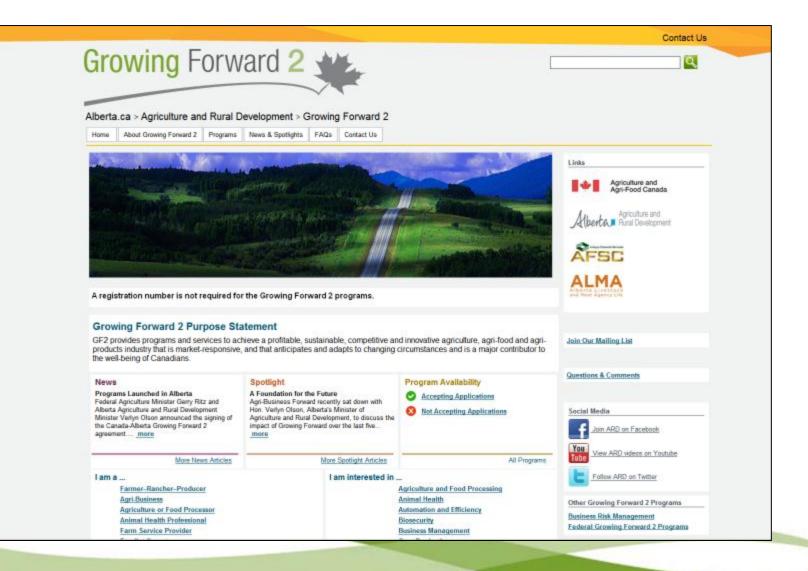
 Similar projects to the Cn Farm Stewardship program

- Allows for development of a 'group plan'

Contact: Dale.Chrapko@gov.ab.ca



GROWINGFORWARD.ALBERTA.CA



レンヨロ



A federal-provincial-territorial initiative

<u>Jamie.Wuite@gov.ab.ca</u> 780-427-3747 or 310-FARM

