

To be eligible for funding, **projects must be identified in a Long-Term Water Management Plan (LTWMP) approved by an Agriculture and Forestry (AF) Water Specialist prior to starting the project and incurring any expenses.** Projects must meet the requirements of all applicable federal and provincial legislation and contact made to pertinent agencies (e.g., Alberta Environment and Parks (AEP)) prior to starting the project as indicated in the LTWMP. The Farm Water Supply Program (Program) Terms and Conditions govern the administration of the Program and must be reviewed prior to starting work on a project and/or applying to the Program. **Projects must meet minimum requirements at the time of application and be operable (i.e., can permanently deliver water for its intended use) within one year of receiving a grant.**

Standard Incentives for New or Expanded Water Source Developments			
Cost Share: 1/3 up to \$5000			
	Eligible Costs	Minimum Requirements	Ineligible Costs
<p>Well</p> <p>Note: see the Farm Water Source Completion section for eligible connection costs.</p> <p>Note: see the Well Decommissioning and Pit Conversions sections for information on these activities.</p> <p>Note: shallow and/or large diameter wells may be considered spring developments. Please see the spring developments section for more information.</p>	<p>New well construction including drilling, dry holes, well casing, and one new pump per well.</p> <p>Eligible activities for new wells include 1) electroseismology tests for well siting, 2) 2hr pump/2hr recovery test with drawdown and recovery measurements, 3) routine potable water quality test for the new well.</p> <p>Well Reconstruction will be considered if recommended by the approved water well drilling contractor and the well specifications meet the program requirements for a new well. A routine potable water quality test for the reconstructed well can be included.</p> <p>Chlorination or disinfection of the new or reconstructed well.</p>	<p>New drilled well must have: casing exposed 18" above ground, 2hr pump/2hr recovery test with drawdown and recovery measurements, and vermin proof cap. An AEP well ID tag is required once available from AEP or a certified driller.</p> <p>New bored wells must have a cover that is securely attached to the cribbing with an appropriate screened vent to make the cover vermin-proof. Bored wells must have a yield test completed.</p> <p>Well must be constructed by an approved water well drilling contractor according to the requirements provided in the Water (Ministerial) Regulation of the Water Act (ALBERTA REGULATION 205/98).</p> <p>A Water Well Drilling Report for a new or reconstructed well must be submitted with the application.</p>	<p>Equipment warranty or insurance; routine maintenance such as shock chlorination, cleaning, or acid treatments on existing wells; replacement pumps; water witching; extended well monitoring, consultant fees or groundwater studies (these are usually completed for licensing purposes and beyond the scope of this program).</p> <p>Wells <u>must not</u> be located in a pumphouse or other building. Wells will not be eligible for funding if they are located in a building, including a pumphouse.</p>

	Eligible Costs	Minimum Requirements	Ineligible Costs
<p>Dugout</p> <p>Note: AF strongly recommends test holes prior to constructing a dugout. An AEP approval is required prior to constructing a groundwater dugout. See groundwater dugouts for more information.</p> <p>Note: Please see the Wetland Assessments section when consulting fees are required for the purpose of properly planning and siting a new water project that may potentially impact a wetland.</p> <p>Note: to minimize potential adverse environmental effects, dugouts should be sited at least 30 m from existing water bodies.</p>	<p>New construction or the expansion of an existing dugout if the original capacity of the dugout is increased by a minimum of 200,000 Imp Gal or 25% of the existing dugout, whichever is greater, and no less than the dugout volume determined in the approved LTWMP.</p> <p>Permanent pumps (within a farm site) for household and/or farm site distribution, floating intake and wet well on new construction or expansion.</p>	<p><u>Must</u> meet min. specs.: side and end slopes (1.5:1), spoil pile (min. 15 feet horizontally from dugout excavated edge), and min. depth (13 feet).</p> <p><u>Must</u> meet 440000 gallons (2000 m³) unless discussed and approved by an AF Water Specialist to have a smaller dugout.</p> <p><u>Must</u> meet legislative requirements. AEP <u>must</u> be contacted for an approval prior to constructing dugouts greater than 2500 m³ (550,000 gallons).</p> <p>Must include the completed Dugout Construction sheet and Environmental Checklist with the application.</p>	<p>Unlicensed dugouts within the SSRB; dugouts built for the purpose of commercial aquaculture; cleaning or maintenance of a dugout including removal of weed growth or repair to side slopes; livestock access ramps into dugouts; large (6,250 cu meters or 1.38 million Imp Gal) irrigation dugouts or dams within Irrigation Districts; excessive spoil transport cost.</p> <p>Dugouts that do not meet the requirements in the Water (Ministerial) Regulation of the Water Act (ALBERTA REGULATION 205/98).</p>
<p>Groundwater Dugout</p> <p>Note: AF strongly recommends test holes prior to constructing a groundwater dugout. An AF Water Specialist can provide information to help decide whether a groundwater dugout or spring development is the best option.</p>	<p>New groundwater dugouts only.</p>	<p>An AEP approval to construct the groundwater dugout <u>must</u> be obtained prior to any construction.</p> <p>Protection identified by the Water Specialist in the approved LTWMP, such as an off-source watering system and sloping the berm away, is required.</p>	<p>Groundwater dugouts constructed without an AEP approval.</p> <p>Unprotected groundwater dugouts.</p>

	Eligible Costs	Minimum Requirements	Ineligible Costs
<p>Spring Development</p> <p>Note: shallow and/or large diameter wells may be considered spring developments and must be done by an approved water well contractor or by a landowner with prior approval from AEP.</p> <p>Note: to minimize potential adverse environmental effects, spring developments should be constructed according to the specific construction guidelines for spring developments.</p>	<p>New spring developments done by a class A well contractor (i.e., driller) or Class B water well contractor or the landowner must obtain approval to construct from AEP.</p>	<p><u>Must</u> be protected (e.g., fenced off, off-source watering system) as outlined in the approved LTWMP.</p> <p><u>Must</u> meet the requirements of AEP. An AEP approval or license may be required depending on the type of spring development. In-stream work, if needed, may require approval from AEP, Fisheries and Oceans and Transport Canada.</p>	<p>Non AEP approved spring developments.</p> <p>Unprotected spring developments or developments that contaminate a spring (i.e., direct livestock access).</p>
<p>Tie-In to a Multi-User Water Supply Pipeline</p> <p>Note: water meters associated with tie-ins to a multi-user water supply pipeline are cost shared under this category.</p> <p>Note: to minimize potential adverse effects, pipeline projects should be designed to avoid crossing any water body.</p>	<p>Construction related cost of tie-in to an existing multi-user water supply pipeline (e.g., water co-ops); cisterns or tanks included as part of the tie-in installation.</p>	<p>Applicants <u>must</u> provide documentation of their right to access water from the specified pipeline and have authorizations to construct the Tie-In on lands not owned by them (i.e., right of ways).</p>	<p>Membership/share costs for multi-user water supply pipelines (e.g., water co-ops) including those paid toward association costs such as loan lien notes or interest, engineering costs, environmental assessments, establishment of reserves, on-going maintenance or service provision; member's purchase of additional water units or ongoing fees for water use; routine maintenance or replacement; surface or shallow pipelines; a series of distribution pipelines; and irrigation pipeline systems.</p>

	Eligible Costs	Minimum Requirements	Ineligible Costs
<p>Dams</p> <p>See Farm Water Source Completion section for eligible connection costs.</p>	<p>Development of a new dam (i.e., earthen structures built in a water course to hold back water).</p> <p>As part of a new dam, a wet well and intake with appropriate fish screen can be included. See publication Freshwater intake End-of-Pipe Fish Screen Guideline (DFO, March 1995).</p>	<p>Dams must meet AEP criteria for construction and be licensable by AEP.</p> <p>In-stream work will likely require approval from AEP, Fisheries and Oceans Canada, and Transport Canada. AEP approval <u>must</u> be included with the Program application. Project <u>must</u> be protected (e.g., fenced off, off-source watering system) as outlined in the approved LTWMP.</p>	<p>Cleaning, routine maintenance or repair of an existing dam.</p>
<p>Water Source for Crop Irrigation</p> <p>Note: to minimize potential adverse environmental effects, dugouts and intakes should be sited at least 30 m from existing water bodies (except for an intake pipe).</p>	<p>Water source developments for private irrigators (i.e., outside an Irrigation District) provided this water use is licensed. Examples include market gardens or greenhouses (intakes on water bodies, etc.).</p> <p>Wet wells and intakes with appropriate fish screens can be included as part of the water source development. See publication Freshwater Intake End-of-Pipe Fish Screen Guideline (DFO, March 1995).</p>	<p>In-stream work may require approval from AEP, Fisheries and Oceans Canada and Transport Canada. Required approvals <u>must</u> be obtained prior to starting project activities and submitted with the Program application.</p>	<p>Unlicensed dugouts within areas of the South Saskatchewan River Basin closed to new licenses.</p> <p>Any costs associated with sourcing, storage or distribution of water for field scale irrigation within an Irrigation District.</p> <p>Irrigation water application equipment.</p>
<p>Unshared Water Pipelines</p> <p>Note: please see the Environmental Stewardship and Climate Change Producer Program for pipelines from a natural water source to distribute water in a pasture and protect a water body.</p>	<p>Deep or shallow buried pipelines installed to extend existing permanent constructed water sources from the farm site to an adjacent land parcel farmed by the applicant.</p>	<p>Pipeline plan must be discussed and approved by a Water Specialist.</p>	<p>Routine Maintenance or replacement; a series of distribution pipelines (e.g., rotation grazing operations, acreage developments); irrigation pipeline systems.</p>

Standard Incentives that Support New or Expanded Water Source Development
Cost Share: 1/3 up to \$5000

	Eligible Costs	Minimum Requirements	Ineligible Costs
<p>Farm Water Source Completion</p> <p>Note: to minimize potential adverse effects, pipeline projects should be designed to avoid crossing any water body</p>	<p>Connection of a new or expanded water source to one water appliance (e.g., waterer or hydrant) or to the existing farm site system.</p> <p>Examples of eligible activities include trenching, piping, electrical wiring, distribution line, pump, pressure tank, and materials required to complete the water source development within a farmstead.</p>	<p>The new or expanded water source development must be included in the Program application and identified on the LTWMP (Farm Water Source Completions are not standalone projects).</p>	<p>Multiple farm site waterers or hydrants and plumbing of pens, barns, shops, houses, etc.</p> <p>Additional waterlines beyond the 1st connection to the system or appliance.</p> <p>Roads.</p> <p>Repair, maintenance or replacement of existing equipment such as pumps, filters or softeners, watering bowls, pressure tanks, or stock tanks, etc.</p>
<p>Pumphouses</p> <p>Cost Share Notes: Pumphouses are covered under standard incentives as part of the water development project they are tied to (i.e., a pumphouse for a new well, a tie-in to a water co-op).</p>	<p>Pumphouses that are a dedicated building with the sole purpose to house connections, treatment, and water related equipment.</p>	<p>Must be done in conjunction with a new water project development or on a well pit conversion.</p> <p>Pumphouses in accordance with Section 45(1 and 2) or the Water (Ministerial) Regulation (205/98).</p> <p>For design information, see the Factsheet Pump houses (AF, Agdex 716 (C28)).</p>	<p>Pumphouses on top of a well.</p> <p>Pumphouses used as a multipurpose building.</p>

	Eligible Costs	Minimum Requirements	Ineligible Costs
<p>Cisterns/Water Tanks</p> <p>Cost Share Notes: Internal thresholds are applied based on the type of project completed.</p> <p>Note: to minimize potential adverse environmental effects, the storage system should be at least 30 m from existing water bodies and not result in the release of a polluting substance.</p>	<p>Cisterns as part of a permanent system within the farm site and used for extra storage and water supply (e.g., permanent cisterns to support use from low producing wells or to store water from a tie-in to a multi-water supply pipeline).</p>	<p>The cistern must be permanent and functional.</p>	<p>Tanks used to haul water.</p>
<p>Energy Source for Supplying Water</p> <p>Cost Share Notes: Energy sources are covered under standard incentives as part of the water development project they are tied to (i.e., a energy source for connection to a new well, energy source for an off-site waterer).</p> <p>Note: energy sources for remote watering systems are covered with the remote watering system.</p>	<p>For new or expanded water source developments only.</p> <p>Permanent power installations including the first transformer (i.e., connection to grid and/or power sources within the farm site).</p>	<p>The new or expanded water source development must be included in the Program application and identified on the LTWMP (i.e., energy sources are not standalone projects).</p>	<p>Energy Sources not associated with new or expanded water source projects.</p> <p>Rural electrification costs.</p> <p>Natural gas service installation.</p> <p>Back-up power sources and generators.</p>
<p>Custom Equipment Rates</p> <p>Cost Share Notes: 1/3 up to \$5000 as part of the water development project they are tied to (i.e., a construction of a new dugout).</p>	<p>Producers doing their own work may use their own equipment. Eligible In-Kind costs will be based on industry standard rental rates.</p>	<p>Producers must supply make, model, year, horsepower, attachments, hours operated and dates and breakdown of work done.</p> <p>Costs will be reviewed for reasonableness.</p> <p>The new or expanded water source development must be included in the Program application and identified on the LTWMP (i.e., custom equipment rates cannot be claimed alone).</p>	<p>Labor costs for producers doing their own work.</p>

	Eligible Costs	Minimum Requirements	Ineligible Costs
<p>Test Holes, Construction Surveying, or Materials Analysis</p> <p>Cost Share Notes: 1/3 up to \$5000 as part of the water development project they are tied to (i.e., test holes prior to construction of a dugout or test holes when drilling a new well). Internal thresholds apply for different projects.</p>	<p>Recommended as part of a new water source development to prevent seepage from dugouts or identify the best location for a dugout or well. Includes electro-seismology.</p>		<p>Extended (i.e., more than one day) monitoring or studies.</p> <p>A hydrologist or hydrogeologist study for the purpose of fulfilling AEP license requirements after well construction.</p>
<p>Water Treatment Equipment</p>	<p>Water treatment equipment that is used to meet minimum water quality guidelines for livestock or poultry water consumption and meet a specific production issue that is identified in an approved LTWMP (i.e., poor animal weight gain, poor reproductive capacity in the herd).</p> <p>Professional services (e.g., veterinary production/reproduction impact report, engineering fees for system design), water analyses by a certified lab, and installation of water treatment equipment required to address the identified water quality issue.</p>	<p>Production or reproduction impact <u>must</u> be identified in LTWMP, and supporting documentation identifying issue <u>must</u> be submitted with Program application.</p> <p>Projects for other agricultural uses must be approved by a water specialist on a case-by-case basis.</p>	<p>Funding will not be provided toward:</p> <ul style="list-style-type: none"> • The cost of water treatment equipment or supplies for domestic use. • Water treatment equipment connected to a human drinking water supply. • Water treatment equipment required to meet the water quality requirements of a national on-farm food safety program or equivalent. • Water treatment equipment without scientific study/supporting information for intended use (e.g., magnetic water treatment). • Water treatment for disinfection purposes to address microbial concerns.

Standard Incentives that Protect New, Expanded or Existing Water Sources
Cost Share: 1/3 up to \$5000

	Eligible Costs	Minimum Requirements	Ineligible Costs
<p>Off-source Watering Systems (e.g., solar pumping systems, remote watering systems)</p> <p>The Environmental Stewardship and Climate Change Producer Program should be investigated for alternative watering systems for livestock from natural water bodies.</p>	<ul style="list-style-type: none"> • Off-site watering on new or expanded constructed water sources. • Off-site watering on existing dugouts and springs. • Only one run and one appliance is covered (from source to tap). • Eligible systems include: solar, wind, composite systems (e.g., trailer with windmill and solar panels), portable watering systems, and used equipment. • In-kind costs for materials and equipment. 	<ul style="list-style-type: none"> • Applications must include pictures showing the operational off-source watering system. • For systems on a new well, a picture showing no mechanism for drain back into the well must be included with the application. 	<ul style="list-style-type: none"> • Drain-back systems on new wells. • Off-site watering systems on existing wells. • Multiple waterers in pens • Portable generators. • Portable tanks (i.e., tank on back of truck). • In-kind costs for labor. • Livestock ramps.
<p>Fencing</p> <p>Please see the Environmental Stewardship and Climate Change Producer Program for fencing that does not protect a constructed water source (e.g., riparian fencing).</p>	<p>Exclusion fencing, installed as part of a new or expanded water source construction to protect the new or expanded water source or as part of the protection required for an existing dugout or spring development.</p>		<p>Fencing is not eligible if it does NOT protect the water source development identified in the application and LTWMP.</p>

	Eligible Costs	Minimum Requirements	Ineligible Costs
<p>Off-source Watering System Monitors</p> <p>The Environmental Stewardship and Climate Change Producer Program should be investigated for remote watering system monitors used for alternative watering systems for livestock from natural water bodies.</p>	<p>Monitors are eligible as part of a new or existing off-source remote watering system on a <u>constructed</u> water source.</p> <p>Alert monitoring system. 3 different options are available:</p> <ul style="list-style-type: none"> • Line of sight system using a beacon light • Cellular system • Satellite system 	<p>A remote watering system monitor must be identified as part of the protection outlined for a water source in an approved LTWMP.</p>	<p>Monthly subscription fees for cellular and satellite alert systems.</p> <p>Homemade alert monitoring system.</p> <p>Monitoring systems funded by another program (e.g., Environmental Stewardship and Climate Change Program).</p> <p>Grant payouts less than \$250.</p>
<p>Aeration Systems</p>	<p>Dugout aeration systems on new or existing dugouts including electrically connected air compression systems, wind driven aeration systems, solar aeration systems, and proper air diffusers.</p>	<p>Must be identified in approved LTWMP as part of protection requirements for a new or existing dugout.</p>	<ul style="list-style-type: none"> • Fountains • Waterfalls • Surface agitators
<p>Vermin-proof Caps</p>	<p>Vermin-proof caps for existing wells.</p>	<p>Existing wells must be identified on the approved LTWMP, and identified in the Program application form (i.e., the number of vermin-proof caps claimed must match the number of existing wells identified in the LTWMP).</p>	<p>Grant payout must be higher than \$250.</p>

Special Incentives See Specific Project Below for Cost Share			
	Eligible Costs	Minimum Requirements	Ineligible Costs
<p>Well Decommissioning</p> <p>Cost Share: Special Incentive: 1 at 50%, 2 at 60% each, and 3 or more at 75% each if all on the same application. Up to 20 wells may be decommissioned.</p> <p>For a well less than 500' in depth, no single well decommissioning or well-pit conversion shall receive more than \$2,000. For a well greater than or equal to 500' in depth, a single well decommissioning may receive up to the maximum of \$6000.</p>	<p>Well decommissioning of a drilled well by an approved water well drilling contractor; well decommissioning of a bored or large diameter well (greater than 18" in diameter) by an approved method (see Module 9 of Water Wells that Last or Well Decommissioning Fact Sheet).</p>	<p>A Water Well Decommissioning (Plugging) Report must be filled out by an approved water well contractor and submitted with the application. The report must be filled out for each well decommissioned. This report is required for all wells (small diameter and bored wells).</p> <p>Wells <u>must</u> be decommissioned according to the requirements in the Water (Ministerial) Regulation of the Water Act (ALBERTA REGULATION 205/98).</p> <p>The well(s) must be identified on the approved LTWMP.</p>	<p>Well decommissioning of small diameter wells by non-approved water well drilling contractor.</p> <p>Well decommissioning by any method that contravenes the Water (Ministerial) Regulation of the Water Act (ALBERTA REGULATION 205/98).</p>
<p>Well Pit Conversions</p> <p>Cost Share: 50% up to a maximum of \$2000 per project and a maximum of \$6000 for multiple projects.</p>	<p>Well pit conversions (refer to the Working Well Program fact sheet: Upgrading your Well in a Pit).</p>	<p>A complete well pit conversion.</p>	<p>Well pit conversions that do not remove the pit.</p>
<p>Water Use Meter</p> <p>Cost Share: 1 at 50%, 2 at 60% each, and 3 or more at 75% each if all on the same application. Maximum of \$1000 per project. Up to 10 water use meters may eligible.</p>	<p>Purchase and installation of water use meters for agricultural point of use monitoring (e.g., metering at each livestock barn or pen).</p>	<p>Meter must be installed at an appliance (i.e., intake to a barn) rather than at the source (i.e., well).</p>	<p>Purchase and installation of water use meters for domestic water use.</p> <p>Purchase and installation of water use meters required to meet AEP license requirements.</p>

	Eligible Costs	Minimum Requirements	Ineligible Costs
<p>Water Level Monitor</p> <p>Cost Share: 50% up to a maximum of \$1000 per project.</p>	<p>Purchase and installation of well water level monitors, logger or other level measuring equipment for existing or new wells.</p>		<p>Well level monitors, well logging or level measuring equipment that cannot be disinfected or have a design that introduces significant contamination risk.</p>
<p>Wetland Assessments.</p> <p>Cost Share: 50% up to a maximum of \$2000.</p> <p>Note: For assessments related to cropping practices or drainage, please refer to the Environmental Stewardship and Climate Change Program.</p>	<p>Consulting fees for the purpose of properly planning and siting a new water project that may potentially impact a wetland.</p>	<p>Assessment report must be for the same area identified in the LTWMP where a potential water source was identified.</p>	<ul style="list-style-type: none"> • Consulting fees covered by another program (e.g., Environmental Stewardship and Climate Change Program). • Replacement costs for an impacted wetland.