

# Environmental Stewardship and Climate Change (ES&CC) Producer Program Funding List

## Categories A to E

### Grant funding cost share of 30%-50% of eligible expenses to complete the project

The **Environmental Stewardship and Climate Change Producer Program** supports active producers and commercial manure applicators with assessing their environmental risks and implementing beneficial management practices (BMP's) that reduce the risk of agricultural contaminants entering water or soil resources, benefit their business, enhance public trust and reduce the impacts of climate change.

The 2018-2023 program-funding maximum is **\$100,000** over the program term, except in the following limited circumstances:

1. You may be eligible for an additional \$100,000 under Category D: Innovative Solutions;
2. For Category B projects you may be eligible for an additional \$100,000, over the program term, for each operation owned by an applicant with a unique/different premise ID.

**In-Kind Costs:** Total in-kind costs (labour and equipment) shall not exceed 25% of the total eligible expenditure costs incurred and paid by the applicant. This is applicable to ALL activity codes except 101 and 304. For activity codes 101 and 304, the total in-kind costs, including labour and equipment, shall not exceed 50% of the total eligible expenditure costs incurred and paid by the applicant. **Note:** Refer to Appendix 2 and the 2012-2013 Farm Machinery Custom and Rental Rate Guide from the Saskatchewan Ministry of Agriculture for equipment rates. Applicant's equipment use and labour are at set program rates (quote rule applies. Refer to 5.7 in the Program Terms and Conditions)

**PLEASE NOTE:** Due to the merit based review process, cost shares levels will vary based on the Minister's discretion. Cost shares will range from 30% to 50%. The minimum cost share you may receive towards your approved project will be 30% if your project is approved. Your application may be reviewed either on a merit first-come first-serve basis, or by a technical review panel, if additional technical expertise is required. The minimum payment an Applicant may receive under the program is \$500.

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Activity Codes	Project	Eligible Costs	Ineligible Costs
<b>CATEGORY A – Riparian Management</b>			
101	<p><b>Riparian Area Fencing and Management</b></p> <p>FUNDING MAXIMUM: \$75,000</p> <p>COST SHARE: If approved: 30% or 50%</p> <p>PURPOSE: Fencing helps manage livestock access to environmentally sensitive areas on the farm property resulting in protection of aquatic life, riparian vegetation, wildlife habitat and water quality.</p>	<ul style="list-style-type: none"> <li>• Permanent fencing for controlled access or exclusion as part of a riparian area fencing and management project</li> <li>• Cross fencing <i>only if</i> it is part of a riparian management project</li> </ul> <p><i>Included in the above:</i></p> <ul style="list-style-type: none"> <li>○ Permanent barbed or electric fencing systems</li> <li>○ Construction materials and supplies - all materials <u>must be new materials</u> and not materials on hand</li> <li>○ Labor and equipment will be reviewed at a 1:1 ratio to materials expenses. If approved, actual labour and equipment hours must be tracked and submitted</li> </ul> <ul style="list-style-type: none"> <li>• Purchase and planting of native trees and shrubs and/or native or non-invasive introduced species of grass and legumes<sup>§</sup></li> <li>• Cultural weed control systems and mulch</li> <li>• Seed and seeding operation for revegetation</li> <li>• Applicant's equipment use and labour (at set program rates) Total In-kind costs (labour and equipment) shall not exceed 50% of eligible expenditures.</li> </ul>	<ul style="list-style-type: none"> <li>• Perimeter fencing</li> <li>• Repair, maintenance or improvement of existing fence</li> <li>• Replacement of existing fence</li> <li>• Transportation of materials</li> <li>• Materials on hand</li> <li>• Portable livestock corral panels</li> </ul>
<p>§ Proposed riparian species must be native to your ecoregion and are subject to approval by program staff. No ornamental species are allowed. For guidance on selecting riparian species, review the Cows and Fish document "<a href="#">Planning your Riparian Planting Project in Alberta</a>".</p>			
102	<p><b>Year-Round/Summer Watering Systems*</b></p> <p>FUNDING MAXIMUM: \$50,000</p> <p>COST SHARE: If approved: 30% or 50%</p> <p>PURPOSE: Installation and setup of winter watering systems support winter-feeding management, reduce the build-up and off-site transport of manure nutrients and pathogens, and provide greater protection of natural water sources.</p>	<ul style="list-style-type: none"> <li>• Portable watering systems</li> <li>• Troughs, stock tanks, plastic tanks or similar water storage</li> <li>• Heat tape or heated waterers</li> <li>• Pumping systems</li> <li>• Power sources such as solar panels, windmills, etc. and other electrical supplies</li> <li>• Plumbing materials</li> <li>• Surface, shallow or deeply buried pipelines - if used to distribute water within a pasture and protect a water source</li> <li>• Applicant's equipment use and labour (at set program rates)</li> </ul>	<ul style="list-style-type: none"> <li>• Water sources such as new wells, or dugouts*</li> <li>• Watering Systems associated with a well, dugout or spring*</li> <li>• Generators</li> <li>• Dugout aeration systems*</li> <li>• Deeply buried water lines (below the frost level) within a farmyard*</li> <li>• Watering systems in farm yards or corrals</li> <li>• Portable feed bunks</li> <li>• Portable livestock corral panels</li> <li>• Pump houses</li> </ul>
<p> If you are using a constructed water source such as a well, dugout or spring or if your project involves protection of a constructed water structure, it may be eligible under the Farm Water Supply Program.</p> <p>*These items may be eligible for cost-share under the Farm Water Supply Program with the completion of a long-term water management plan and prior approval by an AF Water Specialist. Please contact the <b>Farm Water Supply Program, 310-FARM (3276)</b>.</p>			

Activity Codes	Project	Eligible Costs	Ineligible Costs
103	<p><b>Watercourse Crossings</b></p> <p>FUNDING MAXIMUM: \$10,000</p> <p>COST SHARE: If approved: 30% or 50%</p> <p>PURPOSE: Manage livestock access across a watercourse by maintaining bank stability and reducing the time cattle spend in the waterbody will reduce impacts on riparian areas and maintain or improve water quality.</p>	<ul style="list-style-type: none"> <li>• Construction materials and supplies to construct a watercourse crossing in accordance with the <i>Water Act</i></li> <li>• In-kind labour and equipment at set program rates</li> </ul>	<ul style="list-style-type: none"> <li>• Annual maintenance and repair costs</li> <li>• Use of in-kind building materials, including but not limited to:                             <ul style="list-style-type: none"> <li>• Gravel*</li> <li>• Clay*</li> <li>• lumber</li> </ul> </li> <li>• Portable livestock corral panels</li> </ul> <p>*If using these materials for construction of a watercourse crossing, ensure they have been properly sterilized to limit spread of invasive species</p>
<div style="display: flex; align-items: center;">  <p>The Water Act, administered by the Alberta Environment and Parks (AEP) have to be notified for any projects that involve the placement, construction, maintenance, replacement or removal of a watercourse crossing to ensure compliance with the Water Act's Code of practice. Water Act Code of practice notice form can be found here (<a href="http://aep.alberta.ca/water/legislation-guidelines/documents/PipelineWatercourseOutfall-Form-Jul2016.pdf">http://aep.alberta.ca/water/legislation-guidelines/documents/PipelineWatercourseOutfall-Form-Jul2016.pdf</a>). The Code of Practice for Watercourse Crossings can be found here (<a href="http://www.qp.alberta.ca/documents/codes/CROSSING.PDF">http://www.qp.alberta.ca/documents/codes/CROSSING.PDF</a>). Please call the Regulatory Approval Centre at 780-427-6311 for more information.</p> </div>			
104	<p><b>Riparian Management Strategies - OPEN</b></p> <p>FUNDING MAXIMUM: \$100,000</p> <p>COST SHARE: If Approved: 30% or 50%</p> <p>PURPOSE: Grazing management solutions that address an environmental risk.</p>	<p>Activities which are not explicitly ineligible and which can be shown to meet or exceed the program goals. These includes common and proven management practices which are determined to be the best fit in addressing an identified environmental risk.</p> <p>Projects of this nature will be assessed on an individual basis by a technical review panel and must have technical merit.</p> <p>Any items listed in any ineligible column in the Funding List are not eligible under this category.</p> <p>Applications under this category must clearly describe an environmental risk and explain how the suggested project(s) will mitigate the risk. The larger the environmental risk, the larger the granted cost-share.</p> <p><b>Potential Eligible Projects*:</b></p> <ul style="list-style-type: none"> <li>• Pond Levelers for beaver management</li> <li>• Riparian buffer establishment</li> <li>• Native prairie management</li> <li>• Grazing Management Consulting</li> <li>• Wetland Restoration</li> </ul> <p>*Potential eligible project listed above are not guaranteed for approval. Applicants must demonstrate how these solutions will address an environmental risk on their farm.</p>	
105	<p><b>Wetland and Riparian Assessments</b></p> <p>FUNDING MAXIMUM: \$100,000 \$15,000 per Wetland or Riparian Assessment</p> <p>COST SHARE: If approved: 50%</p> <p>PURPOSE: Assessment of wetlands and riparian areas to collect site information and evaluate potential solutions that will improve surface water management for agricultural operations and address environmental issues.</p>	<p>Engineering and consultant fees to conduct the following:</p> <ul style="list-style-type: none"> <li>• Economic analysis of options;</li> <li>• Riparian and or wetland health assessment</li> <li>• Land survey</li> </ul>	<ul style="list-style-type: none"> <li>• In-kind labour and equipment use</li> </ul>

Activity Codes	Project	Eligible Costs	Ineligible Costs
<b>CATEGORY B – Manure and Livestock Facilities Management</b>			
201	<p><b>Engineering investigation and/or feasibility assessment</b></p> <p>FUNDING MAXIMUM: \$15,000</p> <p>COST SHARE: If Approved: 50%</p> <p>PURPOSE: To allow producers to use a qualified third party to identify an existing environmental risk at an existing facility and to evaluating potential solutions to minimize or eliminate the environmental risk and improve manure management.</p>	<p>Engineering and consulting fees to conduct site investigation to identify the existing environmental risk on a site or to assess options when addressing the risk. They can include the following:</p> <ul style="list-style-type: none"> <li>• Subsoil investigation to identify the level of environmental risk;</li> <li>• Hydrogeological assessment;</li> <li>• Economic analysis of options;</li> <li>• Land survey</li> </ul> <p><i>*Reports may be used to support any Category B project.</i></p>	<ul style="list-style-type: none"> <li>• Subsoil investigation that is required to complete an NRCB application for the sole purpose of expanding or building a new operation</li> <li>• Engineering or subsoil investigation that is not being conducted to identify or address environmental risk.</li> <li>• NRCB required testing and reporting for completed construction.</li> </ul>
	Any projects for the sole purpose of establishing a new facility are not eligible. Where an expansion coincides with an eligible project, only expenses to address the existing risk will be considered		
202	<p><b>Construction or upgrade of a surface water management system</b></p> <p>FUNDING MAXIMUM: \$100,000</p> <p>COST SHARE: If Approved: 30% or 50%</p> <p>PURPOSE: To protect water quality by installing or upgrading surface water control systems to reduce run on of clean water onto the livestock facility and control runoff from the livestock facility</p>	<p><b><i>All applications under this activity code will require a site inspection prior to construction taking place.</i></b></p> <p>Enhancement that improve run on activities:</p> <ul style="list-style-type: none"> <li>• Water diversions (i.e. eaves troughs), berms, culverts</li> <li>• Features that reduce snow accumulation – windbreaks, shelterbelts, snow fence</li> </ul> <p>Enhancements that improve the management of run-off water flow:</p> <ul style="list-style-type: none"> <li>• Installation of culverts connecting pens under roads</li> <li>• Catch basin construction or expansion</li> <li>• Construction of retention or settling ponds</li> <li>• Construction of collection channels between pens and catch basin</li> <li>• Catch basin synthetic liner</li> <li>• Engineering and/or survey fees for design of surface water control systems improvements</li> </ul> <p>Applicant's equipment use and labour at set program rates</p>	<ul style="list-style-type: none"> <li>• Maintenance of livestock pens and facilities</li> <li>• Repair and maintenance of run-on/off control systems and equipment</li> <li>• Concrete pads under watering devices</li> <li>• Costs associated with upgrades to watering devices, bedding, mats, penning or stalls.</li> <li>• Eaves troughs or runoff control not associated with controlling run-on/off from existing livestock yards (e.g., a barn with contained storage where runoff is not likely to enter the storage)</li> <li>• Rain collection devices (e.g., tanks, barrels, etc.) not associated with controlling run-on/off from existing livestock yards. *must indicate on application how collected rainwater is being disposed of or used.</li> <li>• Runoff control for new building sites or new livestock operations</li> <li>• Surface water management not related to better management of agricultural contaminants in runoff water</li> </ul>

Activity Codes	Project	Eligible Costs	Ineligible Costs
203	<p><b>Improved Manure Storage Facilities</b></p> <p>FUNDING MAXIMUM: \$100,000</p> <p>COST SHARE: If Approved: 30% or 50%</p> <p>PURPOSE: Improve an existing manure storage facility in order to address an existing water quality risk created by potential facility overflow or the need to winter spread manure.</p> <p>To relocate or improve a manure storage facility that poses a significant risk to water quality.</p>	<p><i>All applications under this activity code may require a site inspection prior to construction taking place.</i></p> <ul style="list-style-type: none"> <li>• Engineering fees for site investigation, design and reports</li> <li>• Structural improvements to existing manure storages</li> <li>• Constructed liner that meets AOPA requirements, for manure storage facility or manure collection area including composting storage areas. This includes, compact clay, synthetic liner, steel and concrete</li> <li>• Decommissioning of old storages if part of an approved manure storage facility project</li> <li>• Applicant's equipment use and labour at set program rates</li> </ul>	<ul style="list-style-type: none"> <li>• Constructed liner if a naturally occurring protective layer exists</li> <li>• In-field temporary storage systems (may be eligible under Activity Code 205)</li> <li>• Repair and maintenance of manure handling equipment</li> <li>• Manure collection systems (e.g., slatted floors, scrapers)</li> <li>• Manure storage aeration systems</li> <li>• Routine maintenance of existing facilities (such as filling holes in pens)</li> <li>• Electrical services</li> <li>• Fencing and signage for safety</li> <li>• Transportation, hauling or application costs of manure removal required to carry-out the project</li> <li>• Decommissioning of manure storage that is not part of an improved manure storage project</li> <li>• Livestock handling facilities</li> <li>• Replacement costs of fence lines, bunks, and other pen infrastructure</li> </ul>
204	<p><b>Relocation of a Livestock Facility and Permanent Wintering Site or Confined Feeding Operation</b></p> <p>FUNDING MAXIMUM: \$100,000</p> <p>COST SHARE: If Approved: 30% or 50%</p> <p>PURPOSE: Relocate a livestock facility that poses a significant risk to water quality or the environment, and properly remove the existing facility</p>	<p><i>All applications under this activity code will require a site inspection prior to construction taking place.</i></p> <ul style="list-style-type: none"> <li>• Construction costs to rebuild an equivalent or adequately sized facility in a location that has less environmental risk than the original site.</li> <li>• Plumbing, electrical, fence lines, feeding areas, shelter/wind protection</li> <li>• Tear down and removal costs of the old livestock facility - if part of a new replacement livestock facility project.</li> <li>• Re-vegetation costs (e.g. seed, seeding, plantings etc.) for the old site</li> <li>• Applicant's equipment use and labour at set program rates</li> </ul>	<ul style="list-style-type: none"> <li>• Relocation of a livestock facility that does not directly impact surface water or reduce the risk to water quality</li> <li>• Transportation, hauling or application costs of manure removal required to carry-out the project</li> <li>• New electricity services, such as a power line and pole beyond what was at the original site</li> <li>• Pump house</li> <li>• Water well decommissioning **</li> </ul> <p>** These items may be eligible for cost-share under the Farm Water Supply Program with the completion of a long term water management plan and prior approval by an AF Water Specialist</p>

Activity Codes	Project	Eligible Costs	Ineligible Costs
205	<p><b>Improved Land Application of Manure</b></p> <p>FUNDING MAXIMUM: \$100,000*</p> <p>COST SHARE: If Approved: 30% or 50%*</p> <p>*Refer to Appendix 1 for detailed funding caps and cost-shares per eligible item</p> <p>PURPOSE: To increase safety and public awareness during field application of manure. To adopt technologies that result in more efficient nutrient use and decrease nutrient loss through run-off and volatilization.  To adopt management practices that improve record-keeping, nutrient management and compliance with AOPA legislation.</p>	<ul style="list-style-type: none"> <li>• Supplies and materials for an emergency manure spill kit, personnel safety (e.g., H<sub>2</sub>S monitors), or roadside public awareness (e.g., signage)</li> <li>• In-cab technologies to map and record application (includes monitor and subscription or unlock key)</li> <li>• Load cells or other weight sensors</li> <li>• Flow control meters and valve systems</li> <li>• Remote (cellular or radio) or automatic shut off valves for pumps</li> <li>• On the go Nutrient Analysis Technology*</li> <li>• Surface banding delivery system</li> <li>• Injection delivery system</li> <li>• Costs to convert existing equipment to surface banding or injection delivery systems</li> <li>• Vertical Spreader assembly</li> <li>• Supply/mainline *limited to 3 km (2 miles)</li> <li>• Drag hose *limited to 800m (1/2 mile)</li> <li>• Main and booster pumps for dragline systems. MUST include an automatic shut off feature</li> <li>• In-field temporary manure storage systems (specifically: fillable bags or bladders for dragline systems)</li> <li>• Traveling gun for catch basin management</li> <li>• Compost turners</li> <li>• Auto inflate/deflate systems</li> <li>• Road crossings, directional drilling for dragline systems (culvert under or pipes over)</li> <li>• Applicant's equipment use and labour at set program rates</li> <li>• *On the go nutrient analysis (<a href="https://www.deere.com/en_INT/products/equipment/agricultural_management_solutions/precision_farming_solutions/manure_sensing/manure_sensing.page">https://www.deere.com/en_INT/products/equipment/agricultural_management_solutions/precision_farming_solutions/manure_sensing/manure_sensing.page</a>)</li> </ul>	<ul style="list-style-type: none"> <li>• Custom manure or wastewater application services, transportation or hauling costs</li> <li>• GPS receivers and auto-steer systems</li> <li>• Agitation equipment</li> <li>• Nurse tanks, tank trucks or trailers</li> <li>• Axle or tire configuration alterations, including floatation tires</li> <li>• Separate pass incorporation equipment (e.g. harrows, cultivators, etc.)</li> <li>• Repair, maintenance or replacement of manure application equipment</li> <li>• Laboratory analysis fees</li> <li>• Equipment or activities to improve biosecurity</li> </ul>
206	<p><b>Manure and Livestock Facilities Management Strategies – OPEN</b></p> <p>FUNDING MAXIMUM – \$100,000</p> <p>COST SHARE: If Approved: 30% or 50%</p> <p>PURPOSE: Manure management solutions that reduces the environmental risk from a manure or livestock facilities.</p>	<p>Activities which are not explicitly ineligible and which can be shown to meet or exceed the program goals such as common and proven management practices which are determined to be the best fit in addressing environmental risk.</p> <p>Projects of this nature will be assessed on an individual basis by a technical review panel and must have technical merit. The technical review panel will determine whether the application is classified as a manure and livestock management strategy or an innovative solution.</p> <p>Any items listed in any ineligible column in the Funding List are not eligible under this category.</p>	

Activity Codes	Project	Eligible Costs	Ineligible Costs
<b>CATEGORY C – Agricultural Input and Waste Management</b>			
301	<p><b>Improved Pesticide Management</b></p> <p>FUNDING MAXIMUM: \$10,000</p> <p>COST SHARE: If Approved: 30% for new sprayer or 50% for retrofit of existing sprayers</p> <p>PURPOSE: Sprayer equipment modifications reduce the risk of movement of agrochemicals to non-target areas, providing greater protection of biodiversity, buffer zones and water quality.</p> <p>Improved crop and pest monitoring increases the efficacy of application and reduces the amount of agrochemicals released into the environment.</p>	<ul style="list-style-type: none"> <li>• Spray Boom Remote Control</li> <li>• On-board rinse-water tanks</li> <li>• Chemical injection systems</li> <li>• Pulse-Width Modulating nozzle systems</li> <li>• Recirculating booms</li> <li>• Sectional control systems – controllers, software, plumbing, valves.</li> </ul>	<ul style="list-style-type: none"> <li>• Upgrades of existing equipment</li> <li>• Custom application services and other consultant services</li> <li>• Equipment for mechanical weed control and complete spray units</li> <li>• Screens and filters</li> <li>• Sectional control for fertilizer application</li> <li>• GPS units/ Auto-steer technology</li> <li>• Tanks for nonagricultural use</li> <li>• Extended warranties on purchased items</li> <li>• Maintenance or replacement of existing equipment</li> <li>• Operator safety equipment</li> <li>• Pumps and product transfer equipment</li> <li>• Computer and other electronic hardware</li> <li>• Weather monitoring equipment</li> </ul>
302	<p><b>Improved Nutrient Management</b></p> <p>FUNDING MAXIMUM: \$15,000</p> <p>COST SHARE: If Approved: 30% or 50%</p> <p>PURPOSE: Sectional control increases fertilizer nutrient efficiency and minimizes the loss of excess fertilizer nutrients from entering the environment and affecting water quality or contributing to greenhouse gas emissions.</p>	<ul style="list-style-type: none"> <li>• Controllers, software, subscriptions or “unlock codes” for management/operation of sectional control</li> <li>• Sectional control systems for application of granular, liquid or gaseous fertilizer.</li> </ul>	<ul style="list-style-type: none"> <li>• Leased or rented equipment/hardware</li> <li>• Complete seed drill or applicator units</li> <li>• Liquid fertilizer pumps or NH3 pumps, coolers, condenser, etc. (Base units)</li> <li>• Fertilizer nurse tanks</li> <li>• Manually operated sectional control systems</li> <li>• Global Positioning System (GPS)</li> <li>• Variable rate technology</li> <li>• Auto-steer technology</li> <li>• Extended warranties on purchased items</li> <li>• Upgrades of existing equipment</li> <li>• Maintenance or replacement of equipment</li> <li>• Computer and other electronic hardware</li> <li>• Custom application services and other consultant services</li> <li>• Operator safety equipment</li> </ul>
303	<p><b>Plastic Rollers and Compactors</b></p> <p>FUNDING MAXIMUM: \$7,000</p> <p>COST SHARE: If Approved: 50%</p> <p>PURPOSE: Rolling and compacting agricultural sheet plastics allows for more convenient and safe storage on farm prior to being transported to an approved recycling site. This practice will eliminate the need to dispose of plastics on farm.</p>	<ul style="list-style-type: none"> <li>• Stand-alone grain bag roller expressly for rolling agricultural plastics.</li> <li>• Grain bag rollers as an attachment to an existing grain bag extractor.</li> <li>• Compactors for silage plastic</li> </ul>	<ul style="list-style-type: none"> <li>• Trailers for equipment and plastic bundle hauling</li> <li>• Power supplies other than engines built into the unit by the manufacturer.</li> <li>• Hay balers</li> <li>• Garbage bins</li> </ul>

Activity Codes	Project	Eligible Costs	Ineligible Costs
304	<b>Shelterbelts &amp; Eco-Buffers</b>  FUNDING MAXIMUM: \$10,000  COST SHARE: If Approved: 50%  PURPOSE: Establishment of permanent shelterbelts* which supports winter-feeding management, reduces manure nutrient build-up and protects water sources.  *Minimum shelterbelt length is 100m in order to be eligible for funding	<ul style="list-style-type: none"> <li>• First-year establishment costs, such as site preparation, planting, weed control</li> <li>• Purchase of trees and shrubs<sup>§</sup> to a maximum of \$5/tree or shrub.</li> <li>• Wood and plastic mulch</li> <li>• Watering system components including (but not limited to): trickle or drip systems, delivery hose/pipe and emitters</li> <li>• Shelterbelts surrounding farm sites</li> <li>• Applicant's equipment use and labour (at set program rates)**</li> </ul> <p>**Total In-kind costs (labour and equipment) shall not exceed 50% of eligible expenditures.</p> <ul style="list-style-type: none"> <li>• First year fencing expenses <u>for the purpose of excluding livestock from the shelterbelt</u>, including:                         <ul style="list-style-type: none"> <li>○ Permanent barbed/electric fencing systems</li> <li>○ Construction materials and supplies *note: all materials <u>must be newly purchased materials</u> and not materials on hand</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Maintenance and renovation costs incurred after first year of establishment</li> <li>• Fencing of existing shelterbelts to prevent livestock damage</li> <li>• Chemical control of vegetation</li> <li>• In-kind labour and equipment use for manufacture of wood mulch</li> <li>• Contractor expenses for manufacture of wood mulch</li> <li>• In-kind use of ATVs</li> </ul>

§ Proposed Shelterbelt/Eco-buffer tree and shrub are subject to approval by program staff. No ornamental species are allowed. For guidance on selecting shelterbelt and eco-buffer species, review the Agroforestry & Woodlot Extension Society's document "[Practical Guide To Establishing An Eco-Buffer](#)".

306	<b>Agricultural Input and Waste Management Strategies – OPEN</b>  FUNDING MAXIMUM: \$100,000  COST SHARE: If Approved: 30% or 50%  PURPOSE: Agricultural inputs and waste management solutions that address an environmental risk and/or reduces the impacts of climate change.	Activities that are not currently, explicitly ineligible and which can be shown to meet or exceed the program goals such as common and proven management practices that are determined to be the best fit in addressing environmental risk.  Projects of this nature will be assessed on an individual basis by a technical review panel and must have technical merit.  Any items listed in any ineligible column in the Funding List are not eligible under this category. * Fuel tanks are not eligible Potential Eligible Projects.	
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**CATEGORY D – Innovation**

401	<b>Innovative Solutions</b>  FUNDING MAXIMUM: \$100,000*  COST SHARE: If Approved: 30% or 50%  PURPOSE: Investigating new ways and/or different options of dealing with a new or on-going issue such as reducing the risk of agricultural contaminants entering water or soil resources, improving the environment and/or reducing the impacts of climate change. Testing ideas and/or new approaches.	<b>Innovation</b> can be defined as one of the following: <ul style="list-style-type: none"> <li>• The introduction of a proven technology (using sound scientific principles), process or service that is new to the agricultural sector in Alberta.</li> <li>• Significant modifications to the application of existing technologies, processes or services that are applied in a setting or condition for which current applications are not generally accepted and/or practiced.</li> <li>• An improvement to an existing technology, process or service that represents a significant improvement in functionality, cost or performance of goods and services that are considered state of the art or new to the agricultural sector in Alberta.</li> </ul> These projects must meet the objectives of Environmental Stewardship and Climate Change Program and significantly improve the environmental sustainability of an operation.  Projects of this nature will be assessed on an individual basis by a technical review panel and must have technical merit.  Any items listed in any ineligible column in the Funding List are not eligible under this category.	
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\* Projects may be eligible for up to an additional \$100,000 under Innovative Solutions



Activity Codes	Project	Eligible Costs	Ineligible Costs
<b>CATEGORY E – Commercial Manure Applicators</b>			
501	<p><b>Improved Land Application of Manure</b></p> <p>FUNDING MAXIMUM: \$100,000*</p> <p>COST SHARE: If Approved: 30% or 50%*</p> <p>*Refer to Appendix 1 for detailed funding caps and cost-shares per eligible item</p> <p>PURPOSE: To increase safety and public awareness during field application activities. To adopt technologies that result in more efficient nutrient use and decrease nutrient loss through run-off and volatilization.  To adopt management practices that improve record-keeping, nutrient management and compliance with AOPA legislation.</p>	<ul style="list-style-type: none"> <li>• Supplies and materials for an emergency manure spill kit, personnel safety (e.g., H<sub>2</sub>S monitors), or roadside public awareness (e.g., signage)</li> <li>• In-cab technologies to map and record application (includes monitor and subscription or unlock key)</li> <li>• Load cells or other weight sensors</li> <li>• Flow control meters and valve systems</li> <li>• Remote (cellular or radio) or automatic shut off valves for pumps</li> <li>• On the go Nutrient Analysis Technology*</li> <li>• Surface banding delivery system</li> <li>• Injection delivery system</li> <li>• Costs to convert existing equipment to surface banding or injection delivery systems</li> <li>• Vertical Spreader assembly</li> <li>• Supply/mainline *limited to 3 km (2 miles)</li> <li>• Drag hose *limited to 800m (1/2 mile)</li> <li>• Booster pumps for dragline systems. MUST include an automatic shut off feature</li> <li>• In-field temporary manure storage systems (specifically: fillable bags or bladders for dragline systems)</li> <li>• Traveling gun for catch basin management</li> <li>• Compost turners</li> <li>• Auto inflate/deflate systems</li> <li>• Road crossings, directional drilling for dragline systems (culvert under or pipes over)</li> <li>• Applicant's equipment use and labour at set program rates</li> </ul>	<ul style="list-style-type: none"> <li>• Custom manure or wastewater application services, transportation or hauling costs</li> <li>• GPS receivers and auto-steer systems</li> <li>• Agitation equipment</li> <li>• Nurse tanks, tank trucks or trailers</li> <li>• Axle or tire configuration alterations, including floatation tires</li> <li>• Separate pass incorporation equipment (e.g. harrows, cultivators, etc.)</li> <li>• Repair, maintenance or replacement of manure application equipment</li> <li>• Laboratory analysis fees</li> <li>• Equipment or activities to improve biosecurity</li> </ul>
<p>*On the go nutrient analysis  <a href="https://www.deere.com/en_INT/products/equipment/agricultural_management_solutions/precision_farming_solutions/manure_sensing/manure_sensing.page">https://www.deere.com/en_INT/products/equipment/agricultural_management_solutions/precision_farming_solutions/manure_sensing/manure_sensing.page</a></p>			
502	<p><b>Manure Management Strategies – OPEN</b></p> <p>FUNDING MAXIMUM – \$100,000</p> <p>COST SHARE: If Approved: 30% or 50%</p> <p>PURPOSE: Manure management solutions that address an environmental and/or water quality risk and significantly improves the impact on the environment of manure land application.</p>	<p>Common and proven management practices, which are determined to be the best, fit in addressing environmental risk.</p> <p>Projects of this nature will be assessed on an individual basis by a technical review panel and must have technical merit. The technical review panel will determine whether the application is classified as manure and livestock management strategies or innovative solutions.</p> <p>Any items listed in any ineligible column in the Funding List are not eligible under this category.</p>	

**APPENDIX 1: Improved Land Application of Manure – Eligible Items**

Eligible Practice	Cost Share	Cap
Supplies and materials for an emergency manure spill kit, personnel safety (e.g., H2S monitors), or roadside public awareness (e.g., signage)	50%	\$8,000.00
In-cab technologies to map and record application (includes monitor and subscription or unlock key)	50%	\$15,000.00
Load cells or other weight sensors	50%	\$10,000.00
Flow control meters and valve systems	50%	\$15,000.00
Remote (cellular or radio) or automatic shut off valves for pumps	50%	\$20,000.00
On the go Nutrient analysis tech	50%	\$25,000.00
Surface banding delivery system	50%	\$50,000.00
Injection delivery system	50%	\$50,000.00
Costs to convert broadcast equipment to surface banding or injection delivery systems	50%	\$25,000.00
Vertical Beaters (just the beaters not the box)	30%	\$15,000.00
Manure Supply/mainline *limited to 3 km (2 miles)	50%	\$75,000.00
Drag hose *limited to 800m (1/2 mile)	30%	\$50,000.00
Booster pumps for dragline systems. MUST include an automatic shut off feature	50%	\$50,000.00
In-field temporary manure storage systems (specifically: fillable bags or bladders for dragline systems)	50%	\$50,000.00
Traveling gun for catch Basin management	50%	\$50,000.00
Travelling Gun Supply/mainline *limited to 3 km (2 miles)	50%	\$75,000.00
Compost turners	30%	\$20,000.00
Auto inflate/deflate systems	50%	\$50,000.00
Road crossings for dragline systems (culvert under or pipes over)	50%	\$20,000.00

## APPENDIX 2: IN-KIND CONTRIBUTION RATES

For Activity Codes 101 and 304, in-kind total (labour and equipment) will not be funded at more than **50%** of the total project expenditure costs. For all other Activity Codes, in-kind total (labour and equipment) will not be funded at more than **25%** of the total project expenditure costs.

In-kind labour: Contribution of labour towards project activities is set at \$25 per hour

In-kind equipment rates: All equipment rates include an operator. Do not claim in-kind labour for an operator of any equipment.

<b>Equipment Type</b>	<b>RATE PER HOUR</b>
Farm tractor with bucket or blade	
Up to 80 hp	\$60
81 – 120 hp	\$80
121-165 hp	\$100
166-200 hp	\$120
201-275 hp	\$130
Greater than 275 hp	\$140
Excavator	\$160
Grader	\$200
Skid Steer	\$85
Loader backhoe, Wheel-loader or Loader-tractor	\$120
Tractor + pull-type sheepsfoot packer, or Single-drum roller packer/double-drum	\$140
Tractor + pull-type scraper, or Tractor + blade grader attachment	\$150
Motor scraper (twin engine)	\$270
Track-type dozer/CAT	\$130
Tandem axle dump truck/ grain truck	\$85
Discing (Tractor & Operator)	\$150
Trenching	\$2/ft
Post Pounder	\$20/hr or \$200/day
<b>Field Operations</b>	<b>RATE PER ACRE</b>
Seeding – air seeder/air drill	\$20
Cultivating	\$12
Discing	\$16