

The Canada-British Columbia Environmental Farm Plan Program

Canada-British Columbia Environmental Farm Plan (EFP) Program complements and enhances the current stewardship practices of producers. The EFP program applies to all types and sizes of farm operations throughout the province. As a participant in this program, producers are able to identify their farm's environmental strengths, prioritize any potential risks to the environment, and take advantage of tools and techniques available to manage those risks.

Beneficial Management Practices Program

Producers who develop and have a completed and current EFP are eligible to apply for cost-shared incentives through the Growing Forward 2 Agreement "On-Farm Action" Beneficial Management Practices (BMP) Program to implement actions identified in their on-farm environmental action plans. The following document lists the BMP categories and practices eligible for cost-shared funding in British Columbia. Each Category or Practice Code specifies the percentage of the project costs and the maximum amount of funds payable from the program.

Application Steps

1. Complete an EFP for your farm and receive a 'Statement of Completion' from the BC ARDCORP recognized Planning Advisor
2. Fill out a BMP application form (providing all requested identification and details of your project)
3. Have the application form signed by both the applicant and a Planning Advisor
4. Submit the application form to the ARDCORP office

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General Policy Statements and Conditions for BMP Program

The following lists of Beneficial Management Practices are for the Program Year April 1, 2017, to March 31, 2018, and are subject to annual revision during the life of the Growing Forward 2 Agreement. Previous BMP Category codes established under the former Agriculture Policy Framework Agreement (APF) have been maintained. All codes from the former APF agreement remain on the list as place holders in the event other organizations are able to fund these BMPs or there are policy changes which would allow them to be funded in at a future time.

1. **Access to the BMP program:**
 - a. Access will be based on an Environmental Farm Plan (EFP) that is less than 5 years old and reflects the current farm or ranch operation. The EFP must be renewed if it is more than 5 years old, or there have been changes made on the farm or ranch operation that could have impacted the environmental risk. This does not imply the farm operation will be able to access On-Farm Action program dollars nor does it imply the farm cap will be reset.
 - b. The farm or ranch operation is in British Columbia and has valid "Farm Class" land as designated by the BC Assessment Authority or is a First Nations agricultural operation with designated authority.
 - c. The applicant has a valid business (GST) number.
 - d. Access to certain BMPs requires additional assessments and planning be completed prior to approval (e.g., Nutrient or Riparian Management Plans). These BMPs are considered to be "linked" and the planning BMP must be completed and submitted prior to beginning a project. Planning BMPs also requires prior approval.
2. **Date:** Funding is designated to change practices on existing farm or ranch operations where there is undesirable environmental risk(s) have been identified in the EFP. It is not designed for the development of new farm or ranch operations or to incent a change in enterprise type. The practice to be changed must have been in existence on the operation on or before January 1, 2008, to be eligible for funding. The On-Farm Action funding is designated to make necessary changes to existing operations or practices that are impacting water quality, quantity or climate change.
3. **Farm Cap:** Overall farm cap for BMP Program remains at \$70K for any farm that has or is participating in the Canada-BC Environmental Farm plan Program. Those operations that participated in the BMP program under APF, Continuity Year or Growing Forward Agreements which have not reached the \$70K farm cap can continue to access the program until such time as their farm cap has been met.
4. **Projects per Application:** Each eligible project constitutes a single application, but some projects may include more than one practice, however, category caps and farm caps still apply.
5. **Number of project applications:** Eligible farm or ranch operations are limited to two BMP applications per year per eligible farm enterprise. Planning BMP's and engineering and technical design work are not included in this total.
6. **Project justification:** *The merits of each project will be considered*, so the following must be included with the BMP project application:
 - What environmental issue is being addressed by this project?
 - How will this project resolve the environmental issue?
7. **Funding of partial projects:** Funding for partial projects *will be evaluated on a case-by-case basis* and are eligible only when the partial projects, on their own, achieve significant environmental risk reduction. Requests for consideration must include justification or evidence of regulatory agency documentation which may have delayed project completion.

8. **Equipment:** Program may provide funding for the environmental enhancing components (incremental costs) of new or existing equipment. This is based on a project justification, cost estimates and may be subject to a technical review by appropriate experts.
9. **Stacking:** Program policy sets a percentage maximum amount of government funds which could be used towards the total project costs. For *Growing Forward 2* environmental programming this has been set at 75%. Where funding is provided by a government agency and the agency deems that the funding is not from a Canadian government, a letter from the agency confirming the source of funds must accompany the request for payment.
10. **In-kind:** The primary purpose for allowing in-kind contributions to cover a portion of the project costs is to reduce the cash costs for the applicant. For Categories 10 and 11 the maximum in-kind contributions are limited to \$10,000 of the total eligible cost share. For all other Categories the total estimated in-kind contributions are limited to 15% of the total eligible project costs. Reasonable hours of labour invested by the applicant, his/her dependents and business partner(s) may be claimed. Costs associated with education, project planning, supervision, or administration, are not eligible for funding. Eligible equipment costs are associated with equipment owned by the applicant and considered essential to implement the approved project. Materials in a farm's inventory, or products produced on the farm and contributed to the project by the applicant, will not be considered as eligible in-kind contributions. The maximum allowable in-kind labour and equipment rates are specified in the BMP application form. If a farm business plans to claim for in-kind contributions, accurate estimates must be reflected in the total project cost submitted with the project application. **All proposed use of in-kind labour and equipment must be identified on the initial BMP project application.** Refer to BMP Application Form for more details. *ARDCorp will make a final determination on what a reasonable rate is for the number of hours claimed, based on the BMP being implemented and the nature of the work performed.*
11. **Group or area based Environmental Farm Plans:** Where an approved group- or area-based environmental farm plan has been completed, individual BMP applications from group plan participants may be eligible for an incentive premium equivalent to a 10% lift in the individual practice code cost share or a \$10K lift in the funding cap, whichever is lesser. To be eligible to receive the group plan incentive premium, projects undertaken by the group participants must be approved to be eligible by ARDCorp, identified as a potential BMP in the Group Plan report and must demonstrate that the cumulative impact of the project or projects will have a positive outcome. Group Plans and incentive funded projects will be evaluated to determine positive outcome, with general guidance being that the impact must cover more than 50% of the area covered by the participants of the group or area based plan. Refer to Group Plan Guidelines for more details on group planning.
12. **Project initiation: Projects will be considered ineligible for funding if any portion has been initiated prior to approval.**
13. **Project completion:** All projects must be completed by the deadline outlined on their funding approval letter. Work and invoices must be completed and dated on or before the deadline date outline in the approval letter. Projects will be considered cancelled if paperwork is not received by the deadline date, funding will then be reallocated to other projects.

Equipment purchases and / or small capital infrastructure projects will be given 90 days for completion. If a project extension is required, the applicant may request written approval by program administration to extend their project work beyond the deadline date. Project extension will only be considered in extenuating circumstances (i.e., delays as a result of regulatory approval).
14. **Caps and Cost Shares for BMP Categories:** These are valid for the 2017-2018 BMP Program Year beginning April 1, 2017 for some BMPs; however, they are subject to revision.

15. **Materials on Hand:** The program is unable to reimburse for materials on hand, whether in the farms inventory or products produced on the farm and contributed to the project by the applicant. Materials-on-hand with receipts are only eligible as part of the in-kind contribution calculations for fencing projects.
16. **Evidence of payment:** The program requires a paid invoice, cancelled cheque with invoice, or credit card transaction as evidence of payment.
17. **Cancelled Projects:** Any projects cancelled by applicant or exceed the time deadline are considered cancelled. Any materials or services obtained for a cancelled project are not eligible for payment if a new application is received at a later date. By previously starting a project, it does not mean it is ineligible for further consideration under a new application. However, all costs incurred for materials or services under the previous application will be ineligible for funding under the new application.
18. **Engineering or Technical Design:** For projects that require an engineering or technical design, the design work must be carried out by a qualified professional or by an individual with demonstrated training and experience. Engineering or technical design work may be an eligible cost as a standalone item. Engineering or design costs should be included as part of the BMP costs or as a stand-alone for structures that require engineering approval (i.e., structures, roofs, etc.).

If required by a regulatory statute, an appropriately qualified professional means an applied scientist or technologist specializing in a relevant applied science or technology including, but not necessarily limited to, agrology, forestry, biology, engineering, geomorphology, geology, hydrology, hydrogeology or landscape architecture. An appropriately qualified professional must be registered in British Columbia with the appropriate professional organization, and acting under that association's Code of Ethics and subject to disciplinary action by that association. He or she must also be someone who, through demonstrated suitable education, experience, accreditation and knowledge relevant to the particular matter, may be reasonably relied on to provide advice within his or her area of expertise.

If not required by regulatory statute, an appropriately qualified technical design maybe carried out by an individual who has suitable education, experience, accreditation and knowledge, and may be reasonably relied on to provide advice within his or her area of expertise. Upon request, individuals wishing to carry out a technical design must provide a CV to ARDCorp for review and approval.

19. **The Ministry of Agriculture is responsible for providing** a livestock and poultry premises identification system for the BC livestock sector. A premise is any parcel of land where animals are kept, assembled, raised or disposed of. Premises ID is an important part of a full traceability system that also includes animal identification and animal movement. In the event of an animal health or disaster emergency, the faster suspect animals can be identified, the better. To be eligible for GF2 program funding premises registration is required for: Bison, Cattle, Chicken, Fallow Deer, Goats, Pigs, Reindeer, Sheep and Turkeys. Other livestock and poultry species can also be registered in the BC Premises Identification system.

A Premises Identification number is a unique national number assigned to a piece of land by the government of British Columbia and is a critical component of the National Livestock Traceability System. If you have livestock or poultry on your property, you are required to provide your 9-digit BC Premises Identification Number (e.g. BC33A13P4 or BC44TR55E) to be eligible for this cost-shared funding. If you have not previously registered your premises with the BC Ministry of Agriculture please visit the Ministry's website at www.gov.bc.ca/premisesidprogram or email BCPID@gov.bc.ca or call (Toll Free) 1-888-221-7141 or (604) 556-3001 to register your premises.

20. **All projects must abide by all applicable federal, provincial and local government laws and regulations**, including, but not limited to, the Federal and Provincial environmental assessment and protection acts, trade agreements, and zoning bylaws.

Table 1: Water Quality, Air Quality, Soil Quality, and Biodiversity are the primary objectives, although Climate Change Adaptation & Mitigation may be a co-benefit.

BMP Category	Target Area and Commodity	Practice Code (Individual Cost Share & Funding Cap)	Eligible BMPs and Costs	Ineligible BMPs and Costs	Linkages to other plans or actions e.g., need for Nutrient Management Plan
In Barn Improvements (04)	Province-wide poultry	0403 50% \$40K	Electrostatic Precipitators for dust control in fully enclosed livestock housing facilities <ul style="list-style-type: none"> Examples of eligible project expenses include the Electrostatic Precipitators systems and associated power supplies, equipment for specialized modifications to existing equipment for installation of Electrostatic Precipitators system; Installation of equipment must be completed by a qualified professional 	<ul style="list-style-type: none"> Maintenance of the electrostatic precipitators after installation 	
Farmyard Runoff Control / Storm water Management (05)	Province-wide livestock	0501 50% \$40K	Upstream diversion around outdoor confined livestock areas or downstream protection of stewardship areas. <i>Must have technical design (503)</i> <ul style="list-style-type: none"> Projects may include: catch basins, retention ponds, in field diversion works, or constructed wetlands 	<ul style="list-style-type: none"> Gutters and downspouts for farm buildings are not eligible for funding. These are considered to be standard building components that are the responsibility of producers 	Consideration should be given to design and operation parameters identified in the BC Agricultural Drainage manual and/or the EFP Drainage Management Guide
		0503 50% \$20K	Engineering or technical design work <ul style="list-style-type: none"> This practice code will stand alone if project does not proceed for economic, technical or environmental reasons 		
Relocation of Livestock Confinement (06)	Province-wide livestock	0601 50% \$30K	Relocation of livestock facilities such as corrals, paddocks and wintering sites away from riparian areas. <i>Existing site must be decommissioned.</i>	<ul style="list-style-type: none"> Funding is to be used to move operations away from sensitive surface water, riparian areas, critical wildlife habitat and areas of severe erosion potential Groundwater protection: Proximity to sensitive groundwater is not a rationale for use of this BMP 	
		0603 50% \$15K	Engineering or technical design work <ul style="list-style-type: none"> This practice code will stand alone if project does not proceed for economic, technical or environmental reasons 		
Wintering Site Management (07)	Province-wide livestock	0704 50% \$15K	Field access improvements for livestock winter feeding areas <ul style="list-style-type: none"> Examples include: alleyway / access lane upgrades to improve distribution of feed and manure away from riparian areas or high risk ground water areas 		

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Product and Waste Management (08)	Province-wide, with some sector limitations	0802 (A) Incinerators	<p>Improved on-farm storage, handling, and disposal of agricultural waste Improved storages or handling for livestock mortalities, culled fruit and vegetables, crop residue and wood waste. The following conditions are for specific waste handling practices:</p> <p>A. Poultry mortality incinerators: These are eligible as long as the incinerator uses <i>best available technology</i> and meets appropriate air emission standards</p> <p>B. Orchard and vineyard mulching mowers: Heavy duty mulching mowers for dealing with prunings. Application must describe how the new equipment provides an improved or incremental benefit</p> <p>C. On-farm processing: These are considered farm operations where the majority of the material being processed or marketed is produced on the farm or the majority of the output of the processing operation is used on the farm. Waste management from these activities is eligible for funding. Where wastes are not agricultural wastes, the farm must ensure that appropriate authorizations for disposal have been obtained</p>	<ul style="list-style-type: none"> Rotary or flail mowers with side discharge or swinging arms that are designed to reduce pesticide use and target grass clipping management are ineligible in this category – they are eligible under Cat 1601 			
		30%					
		\$5K					
		0802 (B) Mulching Mowers	30%		\$1.35K		
		0802 (C) On-Farm Processing	30%		\$5K		
		0803	30%		\$25K	<p>Composting of agricultural waste</p> <ul style="list-style-type: none"> Composting technologies that are appropriate for the composting of on-farm generated agricultural wastes including livestock mortalities, manure, fruit and vegetable culls, crop residues, wood, and straw A technical or engineering design (eligible under practices code 0804) must be completed and included with the application for these projects 	For Practice Code 0803 Nutrient Management Plan (NMP) required prior to accessing funding
		0804	30%		\$5K	<p>Engineering or technical design work</p> <ul style="list-style-type: none"> This practice code will stand alone if project does not proceed for economic, technical or environmental reasons 	
0805	50%	\$25K	<p>Wood residue management</p> <ul style="list-style-type: none"> On-farm or portable chippers or forced air assistance burners. Burners must meet the conditions of the BC Ministry of Environment and meet appropriate air emission standards. 	<ul style="list-style-type: none"> Burners that do not meet the standards of the BC Ministry of Environment 			
Water Well Management (09)	Province-wide	0901	<p>Well abandonment</p> <ul style="list-style-type: none"> For small diameter wells (less than 12 inches) decommissioning by licensed well driller) For larger diameter wells (greater than 12 inch diameter) decommissioning by licensed well driller or producer with technical support) 	<ul style="list-style-type: none"> New wells or new well construction is ineligible Photo evidence of before and after conditions 			

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			<p>Well Protection (existing wells)</p> <ul style="list-style-type: none"> • Earthwork at well head or runoff diversion • Installation of pitless adaptor • Upgrading or maintenance to well head or well casing, fittings, seals and connections to prevent seepage • Flow control for artesian wells and backflow prevention • Casing extensions to elevate well head 	<p>must be provided with claim</p>	
<p>Riparian Management Plan (30)</p>	<p>Province-wide</p>	<p>3001</p> <p>up to \$1K per plan</p> <p>limit of two plans per eligible farm operation</p>	<p>Consultant fees to produce a riparian management plan (RMP) report for farmer with BMP recommendations that include a design layout, species list and maintenance protocols</p> <ul style="list-style-type: none"> • RMP is based on a needs assessment from riparian health assessments (RHA's) generated during EFP process • Results of RHA's must be included with application for RMP • Planning and decision support tools (e.g. computer software, aerial photos) • Maps and land resource information costs • Data collection, materials and sampling and analysis costs by consultant • Design work by consultant for water course and wetland areas and riparian buffer strip projects • Report preparation by consultant • Plan review with producer 	<ul style="list-style-type: none"> • Time, effort and travel by the producer • Professional services not directly related to riparian health assessment and buffer strip planning • Field-specific agronomic practices (e.g. variable rate application of crop inputs) • Costs associated with developing engineer reports for drainage projects 	<p>Linked to BMP 10 and 11</p>
<p>Riparian Area Management (10)</p>	<p>Province-wide</p>	<p>1001</p> <p>60%</p> <p>\$70K</p>	<p>Alternative Watering Systems To Manage Livestock</p> <p>For example: solar, gravity-fed, wind, grid or alternative power</p> <ul style="list-style-type: none"> • Pumps • Storage • Power setup from existing power line • Waterlines • Construction • Protective fencing or portable panels <p>Note: Approval of projects will be contingent upon adherence to all federal, provincial, and municipal guidelines and regulations for project design and implementation.</p>	<ul style="list-style-type: none"> • Repair and maintenance of existing riparian pasture management systems and equipment • On-going maintenance costs of existing equipment. • Opportunity costs associated with payments for land taken out of production. • Installation costs of main electrical service 	<p>Riparian Management Plans (Category 30) required prior to accessing funding</p>
		<p>1002</p> <p>60%</p> <p>\$70K</p>	<p>Riparian Buffer Establishment</p> <p>For example: establishment / planting of adaptable, hardy, permanent native and/or non-invasive introduced species of grasses, forbes, trees and shrubs</p> <ul style="list-style-type: none"> • Pre-planting site preparation and plant purchase costs prior to the year of planting if needed 	<ul style="list-style-type: none"> • On-going maintenance • Costs associated with acquiring / planting invasive plant species • Opportunity costs associated 	<p>Riparian Management Plan with design (Category 30) required prior to accessing funding</p>

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			<ul style="list-style-type: none"> Establishment year site preparation Weed control Irrigation (trickle or drip) Temporary fencing Purchase / planting / establishment costs for grasses from certified seed, forbes, trees and shrubs for the year of planting Consultative service for suitable species, composition and maintenance No additional funding for maintenance after the planting year will be approved in 17/18 as it is the last year of <i>Growing Forward 2</i> funding 	<ul style="list-style-type: none"> with payments for land taken out of production Landscape quality or landscaping type plantings Tree and shrub planting and establishment costs in excess of \$50 per tree/shrub, exclusive of all establishment costs, including in-kind Commercial fruit trees, Christmas trees, ornamentals, afforestation, woodlot establishment and reforestation. Purchase and relocation of established trees 	
		<p>1003 60% \$70K</p>	<p>Fencing to Manage Grazing and Improve Riparian Condition and Function: To cover a portion of the costs for:</p> <ul style="list-style-type: none"> Fencing parallel to water's edge to exclude livestock in order to maintain or improve riparian conditions and function. Eligible permanent fencing inclusive of all costs including in-kind labour Protection of newly established or enhanced riparian buffers (BMP 1002) Temporary Cross fencing to implement rotational, seasonal, rest, swath and extended grazing systems in support of riparian management. Eligible cross fencing will be inclusive of all costs including in-kind labour Portable electric fencing, set-ups, including solar battery chargers, battery and initial line and post purchases <p>Note: Approval of projects will be contingent upon adherence to all federal, provincial, and municipal guidelines and regulations for project design and implementation</p> <p>A. Cross fencing: Eligibility for funding must be based on required plan(s) that identifies the importance and value of cross fencing in dealing with identified environmental risks and achieving environmental benefits</p>	<ul style="list-style-type: none"> Repair and maintenance of existing riparian pasture management systems and equipment (e.g. can't be used to repair existing fence) On-going maintenance costs Opportunity costs associated with payments for land taken out of production 	<p>Riparian Management Plans required prior to accessing funding</p> <p>Grazing Management Plans may be required based on farm activities</p>

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BMP Category	Target Area and Commodity	Practice Code (Individual Cost Share & Funding Cap)	Eligible BMPs and Costs	Ineligible BMPs and Costs	Linkages to other plans or actions e.g., need for Nutrient Management Plan
			B. Fencing costs (all fences): The maximum amount of eligible costs for materials, labour and equipment is \$20.00 (\$12.00 from the program) per M.		
		1004 60% \$70K	<p>Native Range and Restoration or Establishment</p> <ul style="list-style-type: none"> Seeding and planting of native plant material (grasses, legumes, forbes, shrubs, and trees) and on-going maintenance of an established or restored site <p>Note: Native vegetation refers to plant species indigenous to the area. Restoration refers to improving the ecological integrity of disturbed or degraded sites 'Establishment' refers to an area under different land use and the native species must be planted</p>	<ul style="list-style-type: none"> Pasture seeding and establishment costs Pasture renovation Routine forage management practices Costs associated with acquiring / planting invasive plant species Opportunity costs associated with payments for land taken out of production Establishing forages as part of the operation's normal crop rotation 	Grazing Management Plans may be required based on farm activities
		1005 60% \$70K	<p>Grazing Management in Surrounding Uplands</p> <p>To cover a portion of the costs for:</p> <ul style="list-style-type: none"> Cross fencing to implement rotational, seasonal, rest, swath, and extended grazing systems Eligible permanent fencing inclusive of all costs including in-kind labour Portable electric fencing, set-ups, including solar battery chargers, battery and initial line and post purchases Cross fencing: Eligibility for funding must be based on required plan(s) that identifies the importance and value of cross fencing in dealing with identified environmental risks and achieving environmental benefits <p>Fencing costs (all fences): The maximum amount of eligible costs for materials, labour and equipment is \$20.00 (\$12.00 from the program) per meter</p> <p>Note: Approval of projects will be contingent upon adherence to all federal, provincial, and municipal guidelines and regulations for project design and implementation</p>	<ul style="list-style-type: none"> Perimeter fencing Pasture seeding and establishment costs Pasture renovation Repair and maintenance of existing riparian erosion control or riparian pasture management systems and equipment (e.g. can't be used to repair existing fence) On-going maintenance costs Opportunity costs associated with payments for land taken out of production 	Grazing Management Plans may be required based on farm activities

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		1006 60% \$70K	<p>Improved Stream Crossings Costs associated with structures that demonstrate improved riparian conditions</p> <ul style="list-style-type: none"> • new structures • improvements and/or repairs to existing structures • removal or re-location of existing structures • structures may include bridges or culverts <p>Eligible expenses include materials, labour, and equipment rental associated with earthwork, installation of structures, and re-vegetation work in addition to the constructed works</p> <p>Note: All projects must be properly designed by an accredited engineering consultant or a qualified professional in accordance with federal, provincial and local government regulations and specifications</p>	<ul style="list-style-type: none"> • On-going maintenance costs • Stream crossing projects that are associated with a new or expanded agricultural activity– where no crossing has existed previously • Projects that include culverts must meet same requirements as bridges in terms of design and regulations 	Riparian Management Plans required prior to accessing funding
		1007 100% of plan cost for the first \$5K and then 80% of any additional plan costs to a maximum program payment of \$20K	<p>Engineering or technical design by an accredited engineering consultant or a qualified professional in accordance with federal, provincial and local government regulations and specifications</p> <ul style="list-style-type: none"> • This practice code will stand alone if project does not proceed for economic, technical or environmental reasons 		
Erosion Control Structures (Riparian) (11)	Province-wide	1101 60% \$70K	<p>Constructed Works</p> <ul style="list-style-type: none"> • Contour Terraces (e.g., earthwork, seedbed preparation, seed) • Gully Stabilization/Grassed Waterways (e.g., earthwork, erosion control matting, silt fencing, seedbed preparation, seed, outlet structure) • Bank Stabilization (e.g., bank shaping, revetment, gabions, riprap, crib walls, re-vegetation, blanketing and combinations) • Drop Inlet Structures and In Channel Control (e.g., drop structures) • Improved Infiltration of Concentrated Water Flow (e.g., filter trenches, filter wells, diffusing wells, etc.) • Retention Ponds and Erosion Control Dams (in riparian areas) <p>Eligible expenses will include site assessment, materials, labour, equipment rental associated with earthwork, installation of structures, and re-vegetation work in addition to the constructed works</p> <p>Note: All projects must be properly designed by an accredited engineering consultant or a qualified professional in accordance with</p>	<ul style="list-style-type: none"> • Systematic tile and other subsurface drainage systems that are not an integral part of erosion control structure • Activities related to constructing or repairing drainage systems, where the purpose is to remove ponded water or draining saturated soils, are not eligible for funding • Converting open channels to closed drainage systems • Construction of new drainage channels or repair of existing drainage 	Riparian Management Plans required prior to accessing funding

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			federal, provincial and local government regulations and specifications	<p>systems (e.g. drainage ditch clean-outs)</p> <ul style="list-style-type: none"> • Costs of tile and installation that exceeds 30 metres for riparian drop inlet structure projects • Installation of drop inlets for drainage of ponded surface water (e.g. not associated with an erosion control structure) • Header tile systems • Tile outlet structures associated with new tile drainage installations • Retrieving topsoil from areas of deposition and transporting it upslope to eroded hillsides • Construction and land improvement activities not associated with soil erosion control 	
		<p>1102</p> <p>100% of plan cost for the first \$5K and then 80% of any additional plan costs to a maximum program payment of \$20K</p>	<p>Engineering or technical design by an accredited engineering consultant or a qualified professional in accordance with federal, provincial and local government regulations and specifications</p> <ul style="list-style-type: none"> • Eligible projects include assessment and design of any riparian structures (i.e., culverts, bridges, revetments or root wads) including assessments for licenced water storage structures with an agricultural purpose on the water licence • This practice code will stand alone if project does not proceed for economic, technical or environmental reasons 		
<p>Land Management for Soils at Risk</p> <p>(13)</p>	<p>Province-wide</p>	<p>1302</p> <p>50%</p> <p>\$25K</p>	<p>Straw Mulching</p> <ul style="list-style-type: none"> • Eligible projects include equipment & equipment modifications on straw anchoring implements <p>Note: Applicants must demonstrate that their soils are highly vulnerable to soil erosion</p>	<ul style="list-style-type: none"> • Purchase costs of straw or application costs 	

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Integrated Pest Management Planning (25)	Province-wide	2501 Up to \$1K for costs associated with developing the plan. limit of one plan per eligible farm operation	Consultative services to develop integrated pest management plans, planning and decision support tools. The consultant must be approved by ARDCorp to be eligible for reimbursement. Submit a CV or Resume of expert preparing the plan IPM plans must contain required elements of a plan (see information sheet at BCEFP.CA) Actual costs associated with development of plan must be submitted for review and approval	.	Linked to Category 16
Improved Pest Management (16)		1601 (A) alterations to sprayers 30% \$1.5K 1601 (B) new sprayers 30% \$15K 1601 (C) mowers 30% \$1.35K 1602 30% \$5K	Alteration or purchase of new pesticide application equipment or alternations and purchase mowing equipment to reduce pesticide use must be based on description or directions from a valid IPM (Integrated Pest Management plan A. Alterations to sprayers: Application must describe how the new equipment provides an improved or incremental benefit B. New Sprayers: Application must describe how the new equipment provides an improved or incremental benefit C. Rotary or flail mowers: These implements must have side discharge or swinging arms that are designed to reduce pesticide use and target grass clipping management. Application must describe how the new equipment provides an improved or incremental benefit Information Collection & Monitoring <ul style="list-style-type: none"> Eligible expenses include equipment & materials such as prediction, trapping devices and sampling equipment 	<ul style="list-style-type: none"> Funding will not be provided for complete application units Non-wildlife pests: Funding will not be provided to assist with the control of non-wildlife, pest species that are commonly found on farms and ranches in British Columbia Implementing practices from a revised IPM plan: One year of funding can be provided to assist producers to become familiar with new IPM practices identified in a revised IPM plan Common pest management practices: Pest management practices common to the industry and well understood will not be funded 	Integrated Pest Management (IPM) Plan required prior to accessing funding

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BMP Category	Target Area and Commodity	Practice Code (Individual Cost Share & Funding Cap)	Eligible BMPs and Costs	Ineligible BMPs and Costs	Linkages to other plans or actions e.g., need for Nutrient Management Plan
Irrigation Management Planning (29)	Province-wide	2901 Up to \$1K per plan Limit of one plan per eligible farm operation	<p>Consultative services to produce an irrigation management plan with recommendations that include a certified design layout, material list and maintenance requirements</p> <ul style="list-style-type: none"> • <i>Irrigation System Assessment Worksheets</i> from EFP Planning Workbook must be included as with the Irrigation Management Plan • Site investigation by certified irrigation designer prior to plan and quote preparation • Designer to identify areas where maintenance required • Certified designer must sign and seal each plan for project to be eligible to program • Certified designer must inspect project after completion and send a signed completion form to program before payment for plan preparation and project costs are made • An invoice from Certified Irrigation Designer must be submitted to producer outlining services 	<ul style="list-style-type: none"> • Design plans for new systems 	Linked to Category 18. All projects except 1802 require certified plans
	Province-wide	2902 up to \$2K per plan limit of one plan per eligible farm operation	<p>Water Management Planning</p> <ul style="list-style-type: none"> • Consultative services for water management planning to deal with issues arising from excess water (including mapping of existing subsurface drainage systems) and other water related issues resulting from climate change • Submit a CV or Resume of expert preparing the plan 		Linked to BMP 5 and 3201
Irrigation Management (18)	Province-wide	1802 50% \$5K	<p>Weather stations or improved irrigation management</p> <ul style="list-style-type: none"> • Weather stations capable of linking to BC Ministry of Agriculture approved web network • Irrigation scheduling equipment such as soil moisture sensors and moisture meters • Controllers, electric valves and low voltage wiring to valves when identified as part of an improved irrigation system management project that installed in combination with soil moisture probes and/or a weather station • Climate Station data transmission unit – using cell, internet or satellite. Annual data transmission costs as required by program, contact BC Ministry of Agriculture for details 	<ul style="list-style-type: none"> • Labour is not eligible 	Climate station must be connected to the Farmwest web site or similar web network as approved by BC Ministry of Agriculture

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BMP Category	Target Area and Commodity	Practice Code (Individual Cost Share & Funding Cap)	Eligible BMPs and Costs	Ineligible BMPs and Costs	Linkages to other plans or actions e.g., need for Nutrient Management Plan
	<p>All Interior, Vancouver Island and Gulf Islands Regional Districts</p> <p>Not offered for Metro Vancouver, Fraser Valley Regional Districts</p>	<p>1804</p> <p>60%</p> <p>\$15K</p>	<p>Irrigation Infrastructure Improvement - Forage</p> <ul style="list-style-type: none"> • Primary target of this practice code is beef forage producers in the Interior of the province • Producers who produce forage for other livestock or vegetable growers in the Interior will be also eligible • An existing irrigation system must be in place • Eligible items include (if identified in plan): <ul style="list-style-type: none"> ○ replacement of aluminum and/or steel mainlines ○ nozzles, gaskets, sprinklers, suction screen, and intake pipes 		<p>A certified irrigation designer must inspect the site and prepare a report on the required improvements prior to the project being approved</p> <p>Site inspection must be completed and signed off by certified irrigation designer</p> <p>Irrigation Management Plan is required for all applications under this category. Cost of plan is eligible under category 29</p> <p>Projects must target at least a 15% increase in water use efficiency</p>
		<p>1805</p> <p>30%</p> <p>\$20K</p>	<p>Irrigation System Improvement – extensive systems</p> <ul style="list-style-type: none"> • This category is solely for the conversion of lower efficiency irrigation systems to high efficiency pivot systems with drop tube rotors • An existing operational irrigation system must be in place • Proof of existing water licence and use of irrigation system is previous cropping year must be provided ○ Eligible systems to be upgraded are stationary guns, travelling guns, hand-move and wheel-move, flood irrigation ○ Also upgrading overhead sprinklers on a pivot to drop tube rotors 	<ul style="list-style-type: none"> • Used pivot systems are not eligible 	<p>A certified irrigation designer must inspect the site and prepare a report on the required improvements prior to the project being approved</p> <p>Irrigation Management Plan is required for all applications under this category. Cost of plan is eligible under category 29</p> <p>Projects must target at least a 15% increase in water use efficiency</p>
	<p>Eligible areas of the province are the following Regional Districts: Bulkley-Nechako, Fraser-Fort George, Cariboo, Thompson-</p>	<p>1806</p> <p>50%</p> <p>\$10K</p>	<p>Irrigation System Improvement – Conveyance Ditch</p> <ul style="list-style-type: none"> • This category is solely for replacing a ditched irrigation supply to a piped irrigation supply • An existing conveyance ditch authorized by a water licence must be in place • Water Management, FLNRO, needs to be informed of change in the diversion 		<p>A certified irrigation designer must inspect the site and prepare a report on the required improvements prior to the project being approved</p> <p>Cost of plan is eligible under category 29</p>

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BMP Category	Target Area and Commodity	Practice Code (Individual Cost Share & Funding Cap)	Eligible BMPs and Costs	Ineligible BMPs and Costs	Linkages to other plans or actions e.g., need for Nutrient Management Plan
	Nicola, Columbia-Shuswap, North Okanagan, Central Okanagan, Okanagan-Similkameen, Kootenay-Boundary, Central Kootenay, and East Kootenay				
Vegetative Buffer Planning (VBP) (34)	Province-wide	3401 Up to \$2K per plan 100% Limit of one plan per eligible farm operation	<p>Services of a qualified consultant or EFP Program designate to produce a vegetative buffer plan (VBP) that includes a design layout, species list and maintenance protocols</p> <ul style="list-style-type: none"> • A shelterbelt, buffer or hedgerow VBP based on a needs assessment from a BMP recommendation generated during the EFP process • Services of a qualified consultant or EFP Program designate to produce a vegetative buffer plan (VBP) that includes a design layout, species list and establishment protocols. • A shelterbelt, buffer or hedgerow VBP based on a needs assessment from BMP recommendations generated through the EFP process. • Planning and decision support tools (e.g. computer software, aerial photos) • Maps and land resource information costs • data collection, materials, sampling and analysis costs by consultant or designate • Design work by consultant for buffer layout, species selection and establishment costs • Report preparation • Plan review with producer 	<ul style="list-style-type: none"> • Time, effort and travel by the producer • Professional services not directly related to the VBP 	Linked to BMP 19
Buffer, Hedgerow and Shelterbelt Establishment (19)	Province-wide	1901 60% \$15K Applicants can choose to do either Practice Code 1901 or 1902	<p>Establishment of vegetative shelterbelts, buffers or hedgerows</p> <ul style="list-style-type: none"> • The desired outcome of the shelterbelt, buffer or hedgerow establishment must be identified in the plan and reflected in the proposed design and species mix • Buffers and hedgerows can be single or multi-row • Shelterbelts must be multi-row (2 rows minimum) • No additional funding for maintenance after the planting year or for costs associated with consecutive years of establishment for multi-row planting of tree and shrub shelterbelts will be approved in 17/18 as it is the last year of <i>Growing Forward 2</i> funding 	<ul style="list-style-type: none"> • Establishment of trees or shrubs that are intended for harvesting for economic benefit within 15 years such as fruit orchards, Christmas trees, ornamental nursery stock • Block or plantation style plantings • Buffer, hedgerow and shelterbelt renovations 	A Vegetative Buffer Plan (VBP) is required to access funding for Practice Codes 1901 & 1902. Funding is eligible under practice code 3401

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BMP Category	Target Area and Commodity	Practice Code (Individual Cost Share & Funding Cap)	Eligible BMPs and Costs	Ineligible BMPs and Costs	Linkages to other plans or actions e.g., need for Nutrient Management Plan
		1902 60% \$15K Applicants can choose to do either Practice Code 1901 or 1902	<ul style="list-style-type: none"> In-kind valuation for establishing shelterbelts to be 100% of materials cost to a maximum of \$5.00 per meter (\$1.50 per foot) of shelterbelt <p>Tree and shrub materials required for vegetative shelterbelts, buffers or hedgerows</p> <ul style="list-style-type: none"> Tree materials only for planting around fields and buildings The desired outcome of the vegetative shelterbelts, buffers or hedgerows establishment must be identified in the plan and reflected in the proposed design and species mix Buffers and hedgerows can be single or multi-row Shelterbelts must be multi-row (2 rows minimum) Renovations or supplemental plantings will be considered Up to two years of establishment cost post-planting" In-kind valuation for establishing shelterbelts to be 100% of materials cost to a maximum of \$5.00 per meter (\$1.50 per foot) of shelterbelt (note: one row of 30 meters or three rows of 10 meters each are equivalent with a total linear length of 30 meters) 	<p>costs incurred after establishment, or the purchase and relocation of established trees</p> <ul style="list-style-type: none"> Buffer, hedgerow and shelterbelt rejuvenation Landscaping type plantings Tree and shrub planting and establishment costs in excess of \$85 per tree exclusive of establishment costs, including in-kind 	
Grazing Management Planning (26)	Province-wide	2601 up to \$1K per plan limit of two plans per eligible farm operation	Consultative services to develop range and grazing management plans, planning and decision support tools		
Biodiversity Management Planning (28)	Province-wide Overall program cap of \$25,000	2801 Up to \$1K per plan Limit of one plan per eligible farm operation	Consultative services to create a biodiversity management plan which must include an opportunities assessment, an action plan and identification of potential activities to be implemented. Submit a CV or Resume of expert preparing the plan		Guidance for this BMP is derived from the EFP "Planning for Biodiversity A Guide for BC Farmers and Ranchers"

Table 2: Climate Change Mitigation and Nutrient Management BMPs

BMP Category	Target Area and Commodity	Practice Code (Individual Cost Share & Funding Cap)	Eligible BMPs and Costs	Ineligible BMPs and Costs	Linkages to other plans or actions e.g., need for Nutrient Management Plan
Nutrient Management Planning (NMP) (24)	Province-wide	2401 Up to \$3K for costs associated with first plan Up to \$1.5K for costs associated with second plan to be completed within the next three subsequent years Actual costs associated with development of plan must be submitted for review and approval	Consultative services to develop nutrient management plans, planning and decision support tools <ul style="list-style-type: none"> • First Plan: Maximum of \$1000 can be used for laboratory analyses (e.g. manure, soil, leaf tissue or compost) as part of the eligible costs of the nutrient management plan (on the condition that raw nutrient data – free of farm identification – will be collected for environmental health indicators reporting purposes) • Second Plan: Producers may be eligible for funding to complete a second nutrient management plan in the subsequent year. Maximum of \$500 can be used for laboratory analyses • NMP's should include required elements (appropriate record keeping and reporting standards -see Information sheet at BCEFP.ca) • Plan must be completed by individual approved to complete nutrient management plans by ARDCorp and BC Ministry of Agriculture 		
Manure Treatment (02)	Province-wide Limited to poultry and livestock	0201 30% \$50K	Treatment systems for solid or liquid manure <ul style="list-style-type: none"> • Dewatering for liquid manure • Nutrient and bedding recovery systems for solid and liquid manure • Pathogen and vector attraction reduction treatment systems which would permit solids to meet protocols identified in the BC Good Agricultural Practices Guide (for food safety) 	<ul style="list-style-type: none"> • For anaerobic digesters see 3101-2 • For composting of manure see 0803 • For non-manure waste water treatment see 1701 • New solid or liquid manure storage facilities or modifications to existing facilities which would increase their capacity are not eligible 	Nutrient Management Plan (NMP) required prior to accessing funding
		0204 50% \$10K	Engineering or technical design work <ul style="list-style-type: none"> • This practice code will stand alone if project does not proceed for economic, technical or environmental reasons 		
Manure Land Application (03)	Province-wide	0301 30% \$20K	Specific equipment components for land application of manure Examples of eligible projects include specialized modifications to equipment for improved manure application to land <ul style="list-style-type: none"> • Solid manure spreaders: funding may be provided for the incremental costs of cyclone spreading attachments. Other types of spreaders will be reviewed, on a case by case basis, to determine components that can be funded from the program • Liquid manure spreaders: funding may be provided for modification to existing spreaders or a portion of the components of a new spreader. Low trajectory, sleighfoot, band or injection spreading technology is preferred 		Nutrient Management Plan (NMP) required prior to accessing funding

Table 2: Climate Change Mitigation and Nutrient Management BMPs

BMP Category	Target Area and Commodity	Practice Code (Individual Cost Share & Funding Cap)	Eligible BMPs and Costs	Ineligible BMPs and Costs	Linkages to other plans or actions e.g., need for Nutrient Management Plan
Nutrient Recovery from Waste Water (17)	Province-wide	1701 30% \$40K	Recycling of waste water streams <ul style="list-style-type: none"> This could include waste water streams from milk houses, fruit and vegetable washing facilities, and greenhouses in order to recover nutrients 		Nutrient Management Plan (NMP) required prior to accessing funding
		1702 30% \$20K	Engineering or technical design work <ul style="list-style-type: none"> This practice code will stand alone if project does not proceed for economic, technical or environmental reasons 		
Methane (CH ₄) Emission Reduction Projects must reduce methane emissions from agricultural operations by preventing, suppressing or combusting methane (CH ₄) (31)	Province-wide	3101-1 30% \$70K Practice code 3101-1 and 3101-2 are not stackable, meaning that applicants may only apply for one or the other	Covered manure storage <ul style="list-style-type: none"> Floating contact cover (whole sheet) Floating contact cover (aggregated sections – rain water cannot be collected) Water collection system and pumps Assessment, design and construction costs are eligible 	<ul style="list-style-type: none"> Roof structures that do not ensure a sealed headspace above the manure or direct contact between the cover and the manure Storage structures for manure and other agricultural wastes Rain water collection systems or pumps or parts of a larger system that are not directly associated with the manure storage cover Open flares Gas collection and conveyance systems or part of a system that is not directly associated with methane collection from the manure storage or anaerobic reactor tanks Any infrastructure on a legal property which is not assessed as a farm for tax purposes 	Nutrient Management Plan (NMP) required prior to accessing funding
		3101-2 30% \$70K	Covered manure storage in combination with methane collection and renewable energy production from collected methane <ul style="list-style-type: none"> Sealed cover (tent-like structure or self-inflated dome or lid) for anaerobic reactors 		

Table 2: Climate Change Mitigation and Nutrient Management BMPs

BMP Category	Target Area and Commodity	Practice Code (Individual Cost Share & Funding Cap)	Eligible BMPs and Costs	Ineligible BMPs and Costs	Linkages to other plans or actions e.g., need for Nutrient Management Plan
		Practice code 3101-1 and 3101-2 are not stackable, meaning that applicants may only apply for one or the other	<ul style="list-style-type: none"> Floating contact cover (whole sheet) for liquid digester effluent storage Infrastructure related to pasteurization of applicable imported non-agricultural feedstock Methane utilization infrastructure such as biogas boilers, co-gen/micro turbine or biogas clean-up and upgrading equipment Heat exchange system to utilize heat radiated by methane utilization equipment Assessment, design and construction costs are eligible Consultant work related to acquisition of discharge permit under the <i>Environmental Management Act</i> and carbon offset verification and validation 		
		3101-3 30% \$5K	Feed additives to ruminant feed that has a proven effect of reducing enteric fermentation <ul style="list-style-type: none"> Microbial and/or by-pass protein Ionophores Dietary fats (may impact milk quality negatively) Red Seaweed 	<ul style="list-style-type: none"> Feed efficiency, digestibility or feed additive costs related to non-ruminant animals Implementing practices: One year of funding can be provided to assist producers to become utilizing feed additives to reduce enteric fermentation 	
		3102 30% \$30K	Engineering design work or technical feasibility studies This practice code will stand alone if project does not proceed for economic, technical or environmental reasons.		
Nitrous Oxide (N₂O) Emission Reduction Projects must reduce nitrous oxide emissions from agricultural operations by prevention or suppression (32)	Strathcona, Comox Valley, Cowichan Valley, Alberni-Clayoquot, Capital, Nanaimo, Metro Vancouver and Fraser Valley Regional Districts	3201 50% \$10K	Improved drainage on forage corn and forage grass fields as proposed by a water management plan <ul style="list-style-type: none"> Additions to existing sub-surface drainage tile systems Cleaning or repair of existing subsurface drainage systems and associated on-farm surface drainage channels 	<ul style="list-style-type: none"> Drainage work on parcels not currently in intensive forage grass or forage corn production 	Nutrient Management Plan (NMP) required prior to accessing funding Water Management Plan (not an irrigation plan) refer to EFP Drainage Management Guide and/or BC Agricultural Drainage Manual for Guidance
	Province-wide	3202 30% \$10K	Precision farming applications that reduce input application and overlap <ul style="list-style-type: none"> GPS guidance systems On-line field mapping equipment On-line input application control systems guided by high resolution electronic field maps and GPS 	<ul style="list-style-type: none"> Any precision farming applications in areas where field size and distribution, ditch layout and/or lay of land prevent 	

Table 2: Climate Change Mitigation and Nutrient Management BMPs

BMP Category	Target Area and Commodity	Practice Code (Individual Cost Share & Funding Cap)	Eligible BMPs and Costs	Ineligible BMPs and Costs	Linkages to other plans or actions e.g., need for Nutrient Management Plan
				significant utility form using GPS-guided equipment	
	Province Wide	3203 30% \$20K	Specific equipment components for land application of fertilizer. <ul style="list-style-type: none"> Examples of eligible projects include specialized modifications to equipment for improved fertilizer application to land Fertilizer Application Equipment: funding may be provided for the incremental costs of attachments or funding may be provided for modification to existing application equipment or a portion of the components of the new application equipment 		Nutrient Management Plan (NMP) required prior to accessing funding
Carbon Dioxide (CO₂) Emission Reduction Projects must either reduce agricultural carbon dioxide emissions or reduce the concentration of CO ₂ in the atmosphere (33)	Province-wide	3301 100% of plan cost for the first \$2.5 K and then 50% of any additional plan costs to a maximum program payment of \$10K Limit of one plan per eligible farm operation	Consultative services for on-farm energy efficiency assessment <ul style="list-style-type: none"> Assessments must include the use of "Farm Energy Assessment Tool" created by British Columbia Agriculture & Food Climate Action Initiative Assessment may be carried out by any contracted professional recognized by the Program Assessment Tool is available from ARDCorp office 		
		3302 - 1 30% \$10K	Replacement of fossil-fuel-driven motors with electrical motors <ul style="list-style-type: none"> High efficiency electrical motors Motors must be rated as energy efficient following "Canada's Energy Efficiency Regulations for Electric Motors" Electrical motors to drive existing PTO equipment and other farm machinery Starters, switch gear and equipment required for connection to electrical grid Additional eligible items for irrigation motors: <ul style="list-style-type: none"> High efficient pumping systems Certified designer has to sign off on pump efficiency Higher efficiency pump is only applicable if a high efficiency electric motor is also purchased. Pump must be matched to irrigation system specifications as outlined in the certified irrigation plan 	<ul style="list-style-type: none"> Replacement or upgrading of already existing electrical motors Motors not rated as energy efficient following Canada's Energy Efficiency Regulations for Electric Motors Motor supports and shed not eligible Labour for pumps and motor are not eligible Pump house construction is not eligible 	An energy assessment (3301) is required A certified irrigation plan will be required for irrigation motors under this category. Cost of plan is eligible under Category 29 Cost of assessment covered under 3301
		3302-2 30% \$30K	Power line extension for replacement of fossil-fuel driven motors with electrical motors <ul style="list-style-type: none"> On farm power line extension to supply high efficient electric motors. 	<ul style="list-style-type: none"> Funding of power line is only eligible as part of costs to convert to electric from a fossil fuel motor 	

Table 2: Climate Change Mitigation and Nutrient Management BMPs

BMP Category	Target Area and Commodity	Practice Code (Individual Cost Share & Funding Cap)	Eligible BMPs and Costs	Ineligible BMPs and Costs	Linkages to other plans or actions e.g., need for Nutrient Management Plan
			<ul style="list-style-type: none"> Projects eligible only if linked to an eligible project under Practice Code 3302-1 		
		3302-3 30% 1.5K	<p>Replacement of fossil-fuel-driven motors with electrical motors</p> <ul style="list-style-type: none"> Replacement of fossil fuel driven mobile / hand pruners with pruners operating off of rechargeable battery packs. 		
		3303 30% \$30K	<p>Alternative energy technology (Wind, Solar, & On Farm Hydro) for powering previously fossil-fuel dependent farm equipment and replacement of diesel generators</p> <ul style="list-style-type: none"> Wind turbines Photovoltaic solar panels Rechargeable Batteries Electrical conveyance and connection infrastructure Assessment Design Construction On-farm hydro production 	<ul style="list-style-type: none"> Projects that will not be replacing fossil-fuel dependent farm activities Projects designed specifically to generate energy for sale 	
		3304 30% \$30K	<p>Replacement of fossil-fuel dependent space heating with renewable heating</p> <ul style="list-style-type: none"> Solar thermal infrastructure Geothermal infrastructure Heat pumps Biomass boilers Heat exchangers and heat conveyance infrastructure Warm water tanks 	<ul style="list-style-type: none"> Warm water tanks, heat exchange and heat conveyance infrastructure that will not be connected to a new renewable heat source 	<p>An energy assessment (3301) is required</p> <p>Cost of assessment covered under 3301</p> <p>Engineering and design costs covered under 3309</p>
		3305 30% \$30K	<p>Low Disturbance Placement of Seed and Fertilizer</p> <ul style="list-style-type: none"> Equipment modification on seeding implements for reduced tillage seeding and post seeding implements for low disturbance placement of seed and fertilizer Modifying seeding and post-seeding implements for low-disturbance placement of seed and fertilizer; applicants may claim value of eligible components when purchasing equipment (coulters, openers, trash clearance devices, furrow closers, and liquid or row crop fertilizer banders). Eligible items include: <ul style="list-style-type: none"> Single disc openers (e.g. coulters), residue clearance devices and additional toolbars as required Openers for fertilizer placement on specialized planters and drills Cover crop crimper (if part of a one-pass seeding operation) Liquid or dry fertilizer placement systems for high residue conditions 	<ul style="list-style-type: none"> This BMP is intended to provide support primarily through equipment modification; however, a producer may claim the value of the eligible modification when purchasing an entire equipment unit; the cost of the eligible component must be visibly itemized and broken out on the invoice or on a separate invoice. Or the eligible costs will be calculated at 50% of the value of the tool carrier and 	

Table 2: Climate Change Mitigation and Nutrient Management BMPs

BMP Category	Target Area and Commodity	Practice Code (Individual Cost Share & Funding Cap)	Eligible BMPs and Costs	Ineligible BMPs and Costs	Linkages to other plans or actions e.g., need for Nutrient Management Plan
				bottoms (not fertilizer / seed hoppers or cart) <ul style="list-style-type: none"> Chaff collectors and chaff spreaders installed on combines 	
		3307 30% \$50K	Thermal energy efficiency improvements that increase insulation <ul style="list-style-type: none"> Thermal curtains and other dividers Improved insulation Management optimization systems High priority items as specified in an energy conservation plan developed under Category 3301 	<ul style="list-style-type: none"> Thermal dividers and insulation for structures that are not directly related to agricultural production 	An energy assessment (3301) is required Cost of assessment covered under 3301
		3308 30% \$10K	Lighting efficiency improvements <ul style="list-style-type: none"> Low energy lighting equipment High priority items as specified in an energy conservation plan developed under BMP 3301 	<ul style="list-style-type: none"> Low energy lighting equipment for structures that are not directly related to agricultural production (e.g., office or garage) 	An energy assessment (3301) is required Cost of assessment covered under 3301
		3309 30% \$30K	Engineering or technical design work or technical feasibility studies <ul style="list-style-type: none"> This practice code will stand alone if project does not proceed for economic, technical or environmental reasons or where a feasibility studies is required prior to the implementation of practice codes 3303 and 3304 		
		3310 30% \$10K	Energy Monitoring and Controls Eligible costs include purchase and installation of: <ul style="list-style-type: none"> Electrical / fossil fuel energy metering / monitoring systems Electronic HVAC controls Variable speed blowers and thermostat / temperature controls on grain dryers 	<ul style="list-style-type: none"> Installations on new farm buildings Domestic connections/use Costs normally associated with meeting building code specifications 	An energy assessment (3301) is required Cost of assessment covered under 3301