





Beneficial Management Practices 2021

ABOUT THE CANADA-BRITISH COLUMBIA ENVIRONMENTAL FARM PLAN PROGRAM

The Canada-British Columbia Environmental Farm Plan (EFP) Program complements and enhances the current stewardship practices of producers focusing on enhancing regenerative agriculture and climate change priorities (e.g., soil health, greenhouse gas reductions, carbon sequestration, nutrient management and biodiversity). The EFP program applies to all types and sizes of farm operations throughout the province. As a participant in this program, producers can 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.

ABOUT THE BENEFICIAL MANAGEMENT PRACTICES PROGRAM

Producers who have a completed a current EFP may be eligible to apply for cost-shared incentives through the Canadian Agricultural Partnership 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. Regenerative agriculture BMP's on the list are marked with icons:

-  Building soil fertility and health;
-  Increasing water percolation; water retention, and clean and safe water runoff;
-  Enhancing and conserving biodiversity on farms, including pest management;
-  Sequestering carbon and greenhouse gas reductions.

APPLICATION STEPS:

1. Complete an Environmental Farm Plan and receive a Statement of Completion from the ARDCorp recognized planning advisor.
2. Submit a BMP application to ARDCorp providing all requested identification and details of your project. Remember, the applicant must sign the application.

Applications are now accepted by online submission. For planning applications, [click here](#). For project applications, [click here](#).

If you require a PDF template, please email application@ardcorp.ca to request a copy.

CONTACT ARDCORP

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General Policy Statements and Conditions for BMP Program

The following Beneficial Management Practices and Policy are for the Program Year 2021/2022, (to March 2022). This practices list and policy are subject to annual revision during the life of the Canadian Agricultural Partnership Agreement.

1. **Access to the BMP program:**

- 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 if there have been changes made to the farm or ranch operation that could have impacted the environmental risk. This does not imply the farm operation will be able to access BMP program dollars nor does it imply the farm cap will be reset.
- The farm or ranch operation must be in British Columbia and have valid "Farm Class" land as designated by the BC Assessment Authority or be a First Nations agricultural operation with designated authority to use the land.
- The applicant must have a valid business (GST) number.
- Access to certain BMPs require additional assessments, planning or design that must be completed prior to approval (e.g., Nutrient or Riparian Management Plans). These BMPs are "linked" and the planning BMP must be completed and submitted prior to beginning a project. Concurrency of planning and/or technical assessment may be allowed for projects that are not contingent on a final design for the project construction activity or may be waived at the discretion of the Program Manager. All Planning BMPs require prior approval.

2. **Date:** Funding is designated to change practices on existing farm or ranch operations where an undesirable environmental risk(s) has 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 at the time of completion of the Environmental Farm Plan. The BMP 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 the Agricultural Policy Framework (APF), Continuity Year, Growing Forward, Growing Forward 2 and the Canadian Agricultural Partnership agreements which have not reached the \$70K farm cap can continue to access the program until such time as their farm cap has been reached.

4. **Projects per Application:** Each eligible project constitutes a single application, but some projects may include more than one practice code, however, category caps and farm caps still apply.

5. **Number of project applications:** Eligible farm or ranch operations are limited to two project or equipment related BMP applications per year per eligible farm enterprise. Planning, Technical Assessments or Engineered Designs which are necessary prior to the completion of a construction project 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:** Funding may be provided 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. Equipment (e.g., mowers, sprayers, spreaders, wood residue grinders, etc.) purchases must only be new equipment or if used, they must be from a recognized and reputable farm equipment dealer who certifies the equipment has been reconditioned and is in good working order.

9. **Planning or Technical Design BMP Applications and Reports:** A detailed quote and CV are required from the preparer of the plan or design. The subsequent invoice will be required from a contractor who is proposed to complete or has completed the work. The quote and invoice should include itemized charges for consulting services and costs (i.e., hours, testing, and travel). Reports must clearly indicate issue(s) requiring action and the recommended actions or equipment required to achieve the desired agri-environmental outcomes (e.g., type of equipment currently in place and recommended new equipment).
10. **Engineering or Technical Design:** A detailed quote and CV are required from the preparer of the design unless the design is stamped by a qualified professional. 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 by regulatory statute the engineering or technical design must be carried out by an appropriately qualified professional, the term qualified professional means an applied scientist or technologist specializing in a relevant applied science or technology including, but not necessarily limited to, agronomy, 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. They must also be someone who, through demonstrated suitable education, experience, accreditation and knowledge relevant to the matter, may be reasonably relied on to provide advice within their area of expertise.

If there is no regulatory requirement for the engineering or technical designed to be carried out by a qualified professional, the technical design may be 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.

11. **Application requirements:** In addition to a valid EFP statement of completion and current BC property assessment notice, cost estimates or quotes are required for all projects.
 - Management plans or designs as required.
 - Legible sketches or drawings with labels indicating layout and details of projects are required for all projects related to planting of vegetation, fence or livestock watering installations, irrigation system installation and any construction projects (e.g., buildings or other structures).
12. **Stacking:** Program policy sets a percentage maximum amount of government funds which can be used towards the total project costs. For Canadian Agricultural Partnership environmental and climate programming this has been set at 100% of the total eligible costs of the BMP Project.
13. **In-kind:** The primary purpose for allowing in-kind contributions to cover a portion of the project costs is to reduce the cash cost to the applicant.
 - Eligible for in-kind:
 - i. Reasonable hours of labour invested by the applicant, his/her dependants and business partner(s) may be claimed.
 - ii. Equipment costs associated with equipment owned by the applicant and considered essential to implement the approved project.
 - iii. The maximum allowable in-kind labour and equipment rates are:

Category	Description	Rate
Labour	General labour (e.g., building, planting etc.)	\$20/hour
Small Equipment & Labour	Farm Tractor and Implements - up to 80 hp (does not include hand tools or motorized tools less than 25 hp)	\$60/hour
Medium Equipment & Labour	Farm Tractor and Implements - 80 to 120 hp (e.g., tandem axle dump truck)	\$90/hour
Large Equipment & Labour	Farm Tractor and Implements - greater than 120 hp (e.g., excavator, loader backhoe or land scraper)	\$140/hour

- If approved, actual labour and equipment hours must be tracked and submitted.
- Not eligible for in-kind funding:
 - i. Materials or supplies in a farm's inventory (on-hand), or products produced on the farm and contributed to the project by the applicant.
 - ii. Applicant costs associated with education, project planning, supervision, or administration.
- 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 25% of the total eligible project costs.
- For in-kind related to fencing projects – see Policy Item 14.
- For in-kind related to shelterbelts, hedgerows and vegetative buffers planting – see Policy Item 15.

If a farm business plans to claim 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 the BMP Application Form for more details. *ARDCorp will make a final determination, on what the number of hours and a reasonable rate is for the hours claimed, based on the BMP being implemented and the nature of the work performed.*

14. **Fencing costs (all fences):** The maximum amount of eligible costs for materials, labour and equipment is \$20.00 (at 60% cost share = \$12.00 from the program) per meter. This is regardless of whether the fence is installed by the applicant or by a fencing contractor. In kind labour and equipment for producer installed fencing will be reviewed for applicant installed fences. In-kind costs will be 100% of the receipted value of purchased fence materials. If approved, actual labour and equipment hours must be tracked and submitted.
15. **Tree and Shrub Planting Costs:** The maximum amount of eligible cost for any tree or shrub planting materials and planting is \$85 per tree/shrub exclusive of establishment costs. This applies to contractor or applicant planting.
 - Where a contractor is supplying and installing plants there is no in-kind eligibility.
 - Where an applicant is completing the planting, the maximum in-kind valuation for establishing shelterbelts, hedgerows or vegetative buffers will be 100% of the plant materials cost to a maximum of \$5.00 per meter (\$1.50 per foot) of the planting. This is inclusive of the materials and planting costs.
 - Note: one row of 30 meters or three rows of 10 meters each are equivalent with a total linear length of 30 meters
16. **Area Based Projects:** Where neighbouring producers in an area work together to resolve a defined environmental issue, participants may be eligible for an alternate funding arrangement.
 - a. Individual projects: Where projects are implemented as a collaborative effort by two or more producers working together to resolve a defined environmental issue.
 - If approved, projects would be funded based on Project Code criteria plus an incentive premium equivalent to a 10% lift in the individual practice code cost share up to the Practice Code Cap.
 - Applications need to identify the environmental issue and the neighbouring operations that are working to resolve the issue. Applications must be received within the same program year.
 - b. Pooled Projects: Where the project occurs at an individual location but is shared by two or more producers. Pooled Project Guidelines:
 - All applicants must have a current Statement of Completion.
 - Applicants or agent must consult ARDCorp Program staff.
 - Applicants and Program staff must agree that a pooled project may be the most appropriate and cost-effective approach to developing the BMP.
 - All applicants will obtain all necessary regulatory approvals, including any required environmental assessment as a group.
 - Applicants will apply for Canadian Agricultural Partnership BMP funding based on actual individual costs of the total project.

- Applications and invoices for pooled projects must clearly indicate the participants in the project and the share of the total project cost each applicant is responsible for.

17. **Project initiation:** Projects will be considered ineligible for funding if any portion of the project has been initiated prior to approval.
18. **Project completion:** All projects must be completed by the deadline outlined on their funding approval letter. Work, invoices and project summary report must be completed and dated on or before the deadline date outline in the approval letter. Projects will be considered cancelled if the paperwork is not received by the deadline date; the funding will then be reallocated to other projects.

If a project extension is required, the applicant may request written approval by program administration to extend their project work beyond the deadline date. A project extension will only be considered in extenuating circumstances (i.e., delays as a result of regulatory approval or significant environmental conditions such as forest fires or flooding).

19. **Changes to Project:** Once a project is approved it must be completed as per the application and approval unless written communication from the Program agrees to changes to the project. Projects may be subject to cancellation if they are not completed as approved. This applies to equipment purchases and construction projects. Projects that require planting of any form of vegetation (i.e. tree or shrubs) as vegetative buffers or riparian plantings must be based on the approved planting designs in required management plans and/or approved plans and description in the project application.
20. **Caps and Cost Shares for BMP Categories:** These are valid for the 2021-2022 BMP Program Year; however, they are subject to revision.
21. **Evidence of payment:** The program requires you to provide proof of payment for all invoices, and proof of payment must be under the Legal Name on your application. Proof of payment can be a paid company invoice(s) showing the amount as fully paid with a zero-balance owing and the contact information for the company, processed cheque with invoice, or credit card statement as evidence of payment. Cash payments will not be eligible unless accompanied by an official company voucher and proof of payment. Financing or monthly payments to a contractor will not be eligible. Barter/exchange transactions are not eligible.
22. **Cancelled Projects:** Any projects cancelled by the applicant or that 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. A previously started but cancelled project is eligible for further consideration, however, all costs incurred for materials or services under the previous application will be ineligible for funding under the new application.
23. **Livestock Premises ID:** The Ministry of Agriculture, Food and Fisheries is responsible for providing a livestock and poultry premises identification system for the BC livestock sector. A premises 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 the Canadian Agricultural Partnership program funding livestock operations that are required to register with the B.C. Premises Identification Program must provide their 9-digit B.C. Premises Identification Number.

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, Food and Fisheries, please visit the BC Premises ID Program 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.

24. **Irrigation Projects Category 18:** Additional project description details are required for projects within – Practice Codes 1804B, 1805 and 1806 to fully evaluate these projects. Each application must include all the applicable information identified below:
- Evidence of Water License or application (if surface or ground water)
 - A certified irrigation design/management plan (including all elements as described under Category 2901)
 - The application or plan must include a detailed indication of the proposed increase in water use efficiency for the entire system (this increase must be noted in an irrigation management plan)
 - Water source and water delivery energy source (i.e., if pumped indicate fuel type, or gravity or purveyed)

The merit-based ranking system for **1804B** mainline replacement is structured as follows:

<u>Indicator/component</u>	<u>Maximum Point Value</u>
• Type of Improvement.....	80
• Energy efficiency of system.....	10
• Water source.....	10

The merit-based ranking system for **1805** system replacement is structured as follows:

<u>Indicator/component</u>	<u>Maximum Point Value</u>
• Water efficiency of system.....	80
• Energy efficiency of system.....	10
• Water source	10

→ Funding will be allocated to projects with the highest rank first and then in descending order until budget allocation is exhausted or ranking falls below 45 points whichever comes first.

- Applications for Practice Code 3302 – 1 (Replacement of fossil-fuel-driven motors with electrical motors) which accompany applications for either Practice Code 1804B or 1805 will be considered as part of the evaluation of the merit-based ranking.
- Applications which include both Practice Codes 1804B and 1805 will be evaluated as combined components of a single project.

25. **Riparian Project Category 10 and 11:** Additional project description details are required for projects within Practice codes 1001, 1002, 1003, 1006, 1101 to fully evaluate these projects. Each application must include all the applicable information identified below:

- A certified riparian design/management plan (including all elements as described under Category 3001)
- The application or plan must include a detailed indication of the proposed riparian restoration
- Drinking water source
- Fisheries information for the water source (barriers to fish – 1006/1101)
- Livestock stream access
- Environmental sensitivity of the water source (i.e., sensitive stream or sensitive aquifer)
- Identification of any critical habitat for federally listed species at risk associated with water source and/or project location
- Impact of livestock or machinery crossings (1006/1101)
- A quote for all project components linked to the certified irrigation management plan description
- Practice codes 1006 & 1101 will also require proof of application for Section 11 permits for work to be done in or around a stream (as applicable)

The merit based ranking system for:

1001 - alternative watering systems to manage livestock

1002 - riparian health establishment

1003 - fencing to manage grazing and improve riparian condition and function

Indicator Component	Maximum Point Value
• Riparian health assessment score.....	20
• Drinking water source.....	20
• Fisheries value.....	20
• Impact on critical habitat.....	20
• Livestock stream access.....	20

The merit based ranking system for

1006 - improved stream crossings

1101 - erosion control and riparian habitat structures is as follows:

Indicator Component	Maximum Point Value
• Riparian health assessment score.....	20
• Drinking water source.....	20
• Fisheries value.....	20
• Impact on critical habitat.....	20
• Livestock stream access.....	10
• Machinery/Livestock crossing.....	10

→ Funding will be allocated to projects with the highest rank first and then in descending order until budget allocation is exhausted, or ranking falls below 45 points whichever comes first.

26. **Nutrient Management Plans (NMP) (Practice Codes 2401 A and B):** Farm or ranch operations that have completed a NMP prior to February 28th, 2019 and after April 1, 2016 are only eligible for funding under these practice codes if their NMP no longer meets the “in-force” Sections of the *Code of Agricultural Practice for Environmental Management* (BC Reg 8/2019). Operations that have not previously completed a NMP are eligible to access these practice codes if all other BMP Program eligibility requirements are met.
27. **Subscription and rental fees:** Monthly or annual subscription fees (e.g., satellite, cellular or internet uplinks for data transmission) or monthly or annual rental fees for equipment (e.g., weather stations) are not eligible for reimbursement. The exception to this would be the one-time rental of equipment or tools required for construction of a project (e.g., excavators).
28. **Arm’s Length Transactions:** All businesses from which goods or services are purchased must be at Arm’s Length from the applicant, meaning not immediate family member(s) of the applicant, not business affiliate with the applicant, or controlled in any way by the applicant.
29. **Ineligible expenses:** Unless specified in a BMP Practice Code, the following costs are ineligible:
 - Fertilizer, seed and crop protection products
 - Fees for permits, approvals or legal activities
 - Typical farm equipment and related accessories or attachments (including tractors, skid steers and trailers)
 - Costs of on-going activities
 - Maintenance or repair costs
 - Financing charges, loan interest payments, bank fees and charges
 - Maintenance or extended warranties on equipment, electronics or technology purchases
 - New building construction including sheds, barns, or storages (for products or by-products)
 - Expenses incurred prior to approval, or expenses after the project completion date unless consent is received from the program
30. **Legislation:** 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. **It is the responsibility of the applicant, not the Program, to ensure compliance.**

Beneficial Management Practice Codes: Grouped by environmental impact or agricultural operation activity

Reducing Impacts on Air Quality and Climate Change

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Practice Codes	Practice Description	Pg
1901	Establishment of vegetative shelterbelts, buffers or hedgerows	11
3101-1/ 3101-2	Covered manure storage (for enclosed – methane capture)	12
3101-3	Feed additives to manage enteric fermentation in ruminants	12
3201	Improved drainage on intensively managed forage	12
3302-1	Replacement of fossil fuel driven engines with electric motors	13
3302-2	Power line extension	13
3302-3	Replacement of fossil fuel driven engines with electric battery pack	13
3303	Alternative energy technology	13
3304	Replacement of fossil fuel dependent space heating with renewable energy source	13
3305	Low disturbance placement of seed and fertilizer	14
3307	Thermal energy efficiency improvements	14
3308	Lighting efficiency improvements	14
3310	Energy monitoring and controls	14
3310 (A)	Grain dryer energy efficiencies	15

Improving Land, Water Quality and Enhancing or Protecting Biodiversity *

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Practice Codes	Practice Description	Pg
0501	Storm water/runoff management around confined livestock facilities	15
0601	Relocation of livestock confinement (water)	16
0704	Wintering site management	16
0903	Construction of new agricultural water storage dams	16
0904	Construction of new dugouts for farm water use	16
0905	Installation of roof rainwater harvesting systems for farm water use	17
1001	Alternative watering systems for livestock (riparian)	17
1002	Riparian habitat establishment	17
1003	Fencing to improve grazing and improve riparian condition and function	18
1004	Native range restoration or establishment	18
1005	Grazing management in uplands surrounding riparian area	19
1006	Improved stream crossings (riparian)	19
1101	Erosion control and riparian habitat structures	20
2204*	Relocation of livestock confinement (biodiversity)	21
2204 (A)*	Habitat Structures and enhancement	21
2206*	Protection of wildlife (flushing bars)	21
2207*	Creation of pollinator habitat	21
2208*	Creation of corridors for connecting habitat	21

* BMP practices codes that are specific to biodiversity protection of enhancement.

Improving Management of Nutrients (manure and waste water)**page 22**

Practice Codes	Practice Description	Pg
0105	Assessment and monitoring of existing manure storages	22
0201	Manure treatment systems	22
0301	Improved land application of agricultural by-products	23
1701	Recycling of waste water streams	23
3203	Improved fertilizer application technology	23

Agricultural Input & Waste (residuals) Management**page 23**

Practice Codes	Practice Description	Pg
0801 (B)	Improved on-farm fuel storage	24
0801 (C)	Improved on-farm pesticide storage	24
0802 (A/B)	Improved residuals management (mortalities / pruning's)	24
0803	Composting of agricultural wastes (residuals)	24
0805	Wood residue management (chippers or forced air burners)	24
1601 (A/B/C)	Improved pesticide management (sprayers / movers)	25
1602	Pest monitoring to enhance pest management planning	25
3202	Precision guidance applications (GPS – management of nutrients/pesticides/residuals)	25

Irrigation Water Management**page 26**

Practice Codes	Practice Description	Pg
1802	Weather stations or improved irrigation system management tools	26
1804 (A)	Irrigation Infrastructure Improvement-nozzles, gaskets, sprinklers, suction screen and intake pipes	26
1804 (B)	Irrigation Infrastructure Improvement - mainline	26
1805	Irrigation system replacement	26
1806	Improved irrigation water conveyance (ditch to pipe)	27

Proposal based applications**page 27**

Practice Codes	Practice Description	Pg
3501	Creative environmental and regenerative solutions (Innovation)	27

For all plans, technical assessments or engineering designs a quote and a CV is required from the plan/design writer.

Basic Plans (100% up to identified limit)			
Practice Codes	Practice Description	Funding Limit	Pg
2401 (A)	Nutrient management planning (voluntary)	\$3K	29
2501	Integrated pest management planning	\$1K	29
2601	Grazing management planning	\$1K	29
2801	Biodiversity planning	\$2K	29
2901	Irrigation management planning	\$1.5K	29
2902	Storm water or drainage management plans	\$3K	30
3001	Riparian management planning	\$1K	30
3401	Vegetative buffer planning	\$2K	30

Complex Plans (100% of first \$3K and 80% to max program payment \$10K)			
Practice Codes	Practice Description		Pg
0106	Engineering or technical design work by a qualified professional (earthen manure storage structure assessment as per Section 24: <i>Code of Agricultural Practice for Environmental Management</i>)		31
0804	Engineering or technical design work by a qualified professional (organic residuals - composting)		31
3301	Energy Assessments completed by qualified professional		31
(100% of first \$3K and 50% to max program payment \$6K)			
2401 (B)	Nutrient management planning (regulatory) (As per Sections 56 and 57: <i>Code of Agricultural Practice for Environmental Management</i>)		31

Basic Designs (100% for first \$5K and 80% to a max program payment of \$15K)			
Practice Codes	Practice Description		Pg
0204	Engineering or technical design work by a qualified professional (manure treatment)		32
0503	Engineering or technical design work by a qualified professional (confined livestock area runoff)		32
0603	Engineering or technical design work by a qualified professional (confined livestock relocation)		32
1702	Engineering or technical design work by a qualified professional (wastewater – nutrient recovery)		32


Intermediate Designs (100% to \$5K and 80% to a max program payment of \$20K)			
Practice Codes	Practice Description		
1007	Engineering or technical design work by a qualified professional (riparian areas out of water)		32
1102	Engineering or technical design work by a qualified professional (riparian areas in water)		32





Complex Designs (50% to \$20K)			
Practice Codes	Practice Description		
3102	Engineering or technical design work or technical feasibility studies (methane emission reduction)		32
3309	Engineering or technical design work or technical feasibility studies (carbon dioxide emission reduction)		32

Reducing Impacts on Air Quality and Climate Change





Practice Codes:


- 1901 – Establishment of vegetative shelterbelts, buffers or hedgerows
- 3101-1/3101-2 – Covered manure storage (enclosed – methane capture)
- 3101-3 – Feed additives to manage enteric fermentation in ruminants
- 3201 – Improved drainage on intensively managed forage
- 3302-1 – Replacement of fossil fuel driven engines with electric motors
- 3302-2 – Power line extension
- 3302-3 – Replacement of fossil fuel driven engines with electric battery pack
- 3303 – Alternative energy technology
- 3304 – Replacement of fossil fuel dependant space heating with renewable energy source
- 3305 – Low disturbance placement of seed and fertilizer
- 3307 – Thermal energy efficiency improvements
- 3308 – Lighting efficiency improvements
- 3309 – Engineering or technical design work or technical feasibility studies (air quality or energy)
- 3310 – Energy monitoring and controls
- 3310 (A) – Grain dryer energy efficiency

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with, a project	Target Area and Commodity
Buffer, Hedgerow and Shelterbelt Establishment (19)				
1901 - Establishment of vegetative shelterbelts, buffers or hedgerows 	60% \$15K	<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 • Tree materials only for planting around fields and buildings • Staking to support young trees from winter damage • Buffers and hedgerows can be single or multi-row • Shelterbelts must be multi-row (2 rows minimum) • Maintenance for the year after the planting year can be included as part of the project proposal but is subject to the availability of funding in following program year • Renovations or supplemental plantings will be considered • Plant or enhance native vegetation (e.g. non-woody species such as grass, forbs, legumes) to increase buffer width around existing habitats, including field margins, riparian areas, dugouts, wetlands, or to connect native grass or woodland parcels. • Plant appropriate grass, shrub or tree species for improved cover for selected species at risk or re-establishment of a specific plant species at risk <p>Ineligible items:</p> <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 costs incurred after establishment, or the purchase and relocation of established trees • Buffer, hedgerow and shelterbelt rejuvenation • Landscape quality or landscaping type plantings • Breaking and reseeding of existing native forages; • Costs for planting cover or companion crops; • Seed containing noxious or prohibited weeds as listed in The Weed Control Act. 	<p>Vegetative Buffer Plan (3401)</p> <p>A Vegetative Buffer Plan is required for shelterbelt or hedgerow plantings in all regional districts of Vancouver Island, the Okanagan and Similkameen Valleys, Thompson-Nicola, Fraser Valley and Metro Vancouver areas</p> <p>A Biodiversity Management Plan (2801) is required if the intent is to install a buffer strip for enhancing biodiversity</p>	Province-wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with, a project	Target Area and Commodity
Methane (CH₄) Emission Reduction (31)				
3101-1 - Covered manure storage Projects must reduce methane emissions from agricultural operations by preventing, suppressing or combusting methane (CH ₄) Applicants can choose to do either Practice Code 3101-1 or 3101-2 	30% \$30K	<ul style="list-style-type: none"> Floating contact cover (whole sheet) Floating contact cover (aggregated sections – rainwater cannot be collected) Water collection system and pumps Assessment, design and construction costs are eligible <p>Ineligible Items:</p> <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 	Can be supported by engineering or technical design (3102) if required	Province-wide Dairy or Hog Producers only
3101-2 - Covered manure storage in combination with methane collection and renewable energy production from collected methane Applicants can choose to do either Practice Code 3101-1 or 3101-2 	30% \$40K	<ul style="list-style-type: none"> Sealed cover (tent-like structure or self-inflated dome or lid) for anaerobic reactors 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 <p>Ineligible Items: See 3101-1 for ineligible items</p>	Can be supported by engineering or technical design (3102) if required	Province-wide Dairy or Hog Producers only
3101-3 - Feed additives to ruminant feed that has a proven effect of reducing enteric fermentation trial 	30% \$5K	Examples of eligible additives for investigation: <ul style="list-style-type: none"> Microbial and/or by-pass protein Ionophores or Red Seaweed (<i>Asparagopsis taxiformis</i>) Dietary fats (may impact milk quality negatively) Implementing practices: A single year funding can be provided to assist producers wishing to utilize feed additives to reduce enteric fermentation <p>Ineligible Items: Feed efficiency, digestibility or feed additive costs related to non-ruminant animals, any applications for funding subsequent to initial year</p>		Province-wide
Nitrous Oxide (N₂O) Emission Reduction (32)				
3201 - Improved drainage on forage corn and forage grass fields as proposed by a water management plan 	50% \$10K	<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 Projects must reduce nitrous oxide emissions from agricultural operations by prevention or suppression <p>Ineligible items: Drainage work on parcels not currently in intensive forage grass or forage corn production</p>	Water Management Plan	Strathcona, Comox Valley, Cowichan Valley, Alberni-Clayoquot, Capital, Nanaimo Metro Vancouver and Fraser Valley Regional Districts


BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with, a project	Target Area and Commodity
Carbon Dioxide (CO₂) Emission Reduction (32)				
3302 - 1 Replacement of fossil-fuel-driven motors with electrical motors 	30% \$10K	<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/or any other farm machinery Starters, switch gear and equipment required for connection to electrical grid <p>Additional eligible items for irrigation motors:</p> <ul style="list-style-type: none"> High efficient pumping systems Certified designer must 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 <p>Ineligible Items:</p> <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 Labour for pumps and motor installation Pump house construction 	Energy Assessment (3301) unless part of a Category 18 Application a Certified Irrigation Plan (2901) will be required for irrigation motor replacement	Province-wide
3302-2 - Power line extension for replacement of fossil-fuel driven motors with electrical motors 	30% \$30K	<ul style="list-style-type: none"> On farm power line extension to supply highly efficient electric motors Projects eligible only if linked to an eligible project under Practice Code 3302-1 <p>Ineligible items: Funding of power line is only eligible as part of costs to convert to electric from a fossil fuel motor</p>	Energy Assessment (3301)	Province-wide
3302-3 - Replacement of fossil-fuel-driven motors with electrical motors 	30% \$1K	<ul style="list-style-type: none"> Replacement of fossil fuel driven mobile / hand pruners with pruners operating from rechargeable battery packs 		Province-wide
3303 - Alternative energy technology 	30% \$30K	<p>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 and/or construction On-farm hydro production <p>Ineligible Items:</p> <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 	Energy Assessment (3301) Can be supported by engineering or technical design (3309) if required	Province-wide
3304 - Replacement of fossil-fuel dependent space heating with renewable heating 	30% \$30K	<p>Alternate space heating systems to replacement of fossil fuel space heaters</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 <p>Ineligible Items: Any warm water tanks, heat exchange and heat conveyance infrastructure that will not be connected to a new renewable heat source</p>	Energy Assessment (3301) Can be supported by engineering or technical design (3309) if required	Province-wide





BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with, a project	Target Area and Commodity
3305 - Low Disturbance Placement of Seed and Fertilizer 	30% \$30K	<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 <p>Note: 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 bottoms</p> <ul style="list-style-type: none"> For applications where a completely new unit is to be purchased, the application must describe how the new equipment provides improved or incremental benefit <p>Ineligible items:</p> <ul style="list-style-type: none"> Chaff collectors and chaff spreaders installed on combines are not eligible Seed or fertilizer carts or tanks are not eligible. 		Province-wide
3307 - Thermal energy efficiency improvements that increase insulation 	30% \$30K	<ul style="list-style-type: none"> Thermal curtains and other dividers Improved insulation Management optimization systems Other high priority items as specified in an energy conservation plan (3301) <p>Ineligible items: Thermal dividers and insulation for structures that are not directly related to agricultural production e.g. offices and residences</p>	Energy Assessment (3301)	Province-wide
3308 - Lighting efficiency improvements 	30% \$10K	<ul style="list-style-type: none"> Low energy lighting equipment Other high priority items as specified in an energy conservation plan 3301 <p>Ineligible items: Low energy lighting equipment for structures that are not directly related to agricultural production (e.g., office or equipment/machinery storage)</p>	Energy Assessment (3301)	Province-wide
3310 - Energy Monitoring and Controls 	30% \$30K	Eligible costs include purchase and installation of: <ul style="list-style-type: none"> Electrical / fossil fuel energy metering / monitoring systems Electronic HVAC controls Moisture monitoring and controllers Electric conversion Heat exchangers Thermostats or burner temperature control for energy efficiency Adaptation of heaters to improve efficiency 	Energy Assessment (3301)	Province-wide




BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with, a project	Target Area and Commodity
		Ineligible Items: <ul style="list-style-type: none"> Installations on new farm buildings Domestic connections/use Costs normally associated with meeting building code specifications 		
3310 (A) – Grain dryer energy efficiency 	30% \$30K	Eligible costs include purchase and installation of the following, specific to retrofit components on old dryers or components identified on an invoice of a new dryer: <ul style="list-style-type: none"> Electrical / fossil fuel energy metering / monitoring systems Electronic HVAC controls Moisture monitoring and controllers Electric conversion Heat exchangers Thermostats or burner temperature control for energy efficiency Adaptation of heaters to improve efficiency Variable speed blowers and thermostat / temperature controls on grain dryers Preheating tier addition to dryer High efficiency vapourizer Ineligible Items: <ul style="list-style-type: none"> Installations on new farm buildings Domestic connections/use Costs normally associated with meeting building code specifications 		Province-wide


Improving Land, Water Quality and Enhancing or Protecting Biodiversity*



Practice Codes: <ul style="list-style-type: none"> 0501 – Storm water/runoff management around confined livestock facilities 0601 – Relocation of livestock confinement (water) 0704 – Livestock Wintering site management 0903 – Construction of new agricultural water storage dams 0904 – Construction of new dugouts for farm water use 0905 – Installation of roof rainwater harvesting systems for farm water use 1001 – Alternative Watering systems for livestock (riparian) 1002 – Riparian habitat establishment 	<ul style="list-style-type: none"> 1004 – Native range restoration or establishment 1003 – Fencing to improve grazing and improve riparian condition and function 1005 – Grazing management in uplands surrounding riparian area 1006 – Improved stream crossings (riparian) 1101 – Erosion control and riparian habitat structures) 2204* – Relocation of livestock confinement (biodiversity) 2204 (A)* -Habitat Structures and Enhancement 2206* – Protection of wildlife (flushing bars) 2207* – Creation of pollinator habitat 2208* - Creation of corridors for connecting habitat
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BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
Farmyard Runoff Control / Storm water Management (04)				
0501 - Upstream diversion around outdoor confined livestock areas or downstream protection of stewardship areas 	50% \$10K	<ul style="list-style-type: none"> Projects may include catch basins, retention ponds, in field diversion works, or constructed wetlands Ineligible items: Gutters and downspouts for farm buildings are not eligible for funding. These are standard building components that are the responsibility of producers	Must have technical design (503)	Province-wide livestock only






BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
Relocation of Livestock Confinement (06)				
0601 - Relocation of livestock facilities 	50% \$30K	<ul style="list-style-type: none"> Relocation of corrals, paddocks and wintering sites away from riparian areas. Relocation of fences, powerlines, trails or other infrastructure having negative impacts on species at risk. <p>Ineligible items</p> <ul style="list-style-type: none"> Construction of impermeable surfaces or roofs are ineligible unless they existed at the decommissioned site. New water supply infrastructure is ineligible unless it was part of the decommissioned site. <p>Notes:</p> <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 Existing site must be decommissioned 		Province-wide
Wintering Site Management (07)				
0704 - Field access improvements for livestock winter feeding areas 	50% \$15K	<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 		Province-wide
Water Supply Management (09)				
0903 – Construction of new agricultural water storage dams 	30% \$10K	<p>New earthen dam construction on private land for farm use:</p> <ul style="list-style-type: none"> Machinery cost Construction materials Spillway Head gate and/or valves Piping through dam or siphon <p>Ineligible:</p> <ul style="list-style-type: none"> Water used for non-agricultural purposes Used equipment Water distribution system Dams designed to be over 7.5 m in height and/or to hold more than 10,000 cubic meters of water <p>Note: Photo evidence of before and after conditions must be provided with claim</p>	<p>Must have technical design (1102)</p> <p>Water licence is required for water use</p> <p>A storage licence may also be required</p> <p>B.C. Dam Safety Regulations must be followed</p>	Province-wide other than Metro Vancouver and Fraser Valley Regional Districts
0904 – Construction of new dugouts for farm water use 	50% \$10K	<p>New dugout construction for farm use for collection of water not deemed to be vested under the <i>Water Sustainability Act</i> (Section 5)</p> <ul style="list-style-type: none"> Machinery cost Liner material Pump, intake and associated fittings and controls <p>Design must follow guidance provided in <i>British Columbia Farm Water Dugouts</i> – October 2016 BC Ministry of Agriculture Food and Fisheries, specifically the minimum specifications as follows: side slope to end slope ratio (1.5:1), spoil pile (minimum 5 meter horizontally from dugout excavated edge), and minimum pond depth (4 meter).</p> <ul style="list-style-type: none"> Planting of trees to facilitate snow collection and melt <p>Ineligible:</p> <ul style="list-style-type: none"> Water used for non-agricultural purposes Used equipment Water distribution system Dugouts designed to hold greater than 2500 cubic meters of water 	Water Management Plan (2902)	Province-wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
0905 – Installation of roof rainwater harvesting systems for farm water use 	30% \$5K	<p>Note: Photo evidence of before and after conditions must be provided with claim</p> <p>New roof capture system for the collection of rainwater or snowmelt water not deemed to be vested under the <i>Water Sustainability Act</i> (Section 5)</p> <ul style="list-style-type: none"> • Machinery cost • Above ground and below ground storage tanks • Construction materials including foundation pad, tanks, pump, collection pipes, filters, valves and plumbing to the point of final distribution <p>Ineligible:</p> <ul style="list-style-type: none"> • Water used for domestic commercial or industrial use • Used equipment • Any portion of system used to collect waste water or reclaimed water from water treatment system • Water distribution system <p>Note: Photo evidence of before and after conditions must be provided with claim</p>		Province-wide
Riparian Area Management (10)				
1001 - Alternative Watering Systems to Manage Livestock 	60% \$30K	<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>Establishment of off-site watering systems for livestock to minimize negative impacts on habitat for wildlife and species at risk</p> <p>Ineligible items:</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>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>Riparian Management Plan (3001) an Engineering or technical design may be required (1007) if watering system construction occurs in within the riparian area</p> <p>Or</p> <p>Biodiversity Management Plan (2801) is required if the intent is to minimize impacts to wildlife and species at risk</p>	Province-wide
1002 - Riparian Habitat Establishment 	60% \$30K	<p>For example: establishment / planting of adaptable, hardy, permanent native and/or non-invasive introduced species of grasses, forbs, 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 • Establishment year site preparation including weed control, irrigation (trickle or drip), or temporary fencing • Purchase / planting / establishment costs for grasses from certified seed, forbs, trees and shrubs for the year of planting • Development of pollinator habitat • Consultative service for suitable species, composition and maintenance 	<p>Riparian Management Plans (3001)</p> <p>Or</p> <p>Biodiversity Management Plan (2801) if the intent is to improve habitat for wildlife and species at risk</p>	Province-wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		<p>Establishment of fences for improved livestock grazing systems to minimize negative impacts on habitat for wildlife and species at risk.</p> <p>Ineligible Items:</p> <ul style="list-style-type: none"> • On-going maintenance • Costs associated with acquiring / planting invasive plant species • Opportunity costs associated with payments for land taken out of production • Landscape quality or landscaping type plantings • Commercial fruit trees, Christmas trees, ornamentals, afforestation, woodlot establishment and reforestation. • Purchase and relocation of established trees <p>Note: Maintenance one year after the planting year can be included as part of the project proposal but is subject to the availability of funding in following program year.</p>		
<p>1003 - Fencing to Manage Grazing and Improve Riparian Condition and Function</p> 	<p>60% \$30K</p>	<p>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 (Practice Code 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 • 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 • Livestock out of stream water source • Costs associated with improving or removing stream/ creek crossings to improve fish and wildlife habitat. <p>Ineligible Items:</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>Note: Approval of projects will be contingent upon adherence to all applicable guidelines and regulations for project design and implementation</p>	<p>Riparian Management Plans (3001) an Engineering or technical design may be required (1007) if construction other than fencing occurs in riparian area</p> <p>Or</p> <p>Biodiversity Management Plan (2801) if the intent is to improve habitat for wildlife and species at risk</p>	<p>Province-wide</p>
<p>1004 - Native Range and Restoration or Establishment</p> 	<p>60% \$30K</p>	<ul style="list-style-type: none"> • Seeding and planting of native plant material (grasses, legumes, forbs, shrubs, and trees) and on-going maintenance of an established or restored site <p>Ineligible Items:</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 	<p>Grazing Management Plan (2601)</p>	<p>Province-wide</p>

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		<ul style="list-style-type: none"> Establishing forages as part of the operation's normal crop rotation Seeding and planting of native plants to establish native perennial forage cover to provide wildlife habitat. <p>Note:</p> <ul style="list-style-type: none"> 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 		
1005 - Grazing Management in Surrounding Uplands 	60% \$30K	<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 Livestock out of stream water source Costs associated with improving or removing stream/creek crossings to improve fish and wildlife habitat. <p>Ineligible Items:</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 <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>	Grazing Management Plan (2601)	Province-wide
1006 - Improved Stream Crossings 	60% \$30K	<p>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>Ineligible items:</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 	Riparian Management Plans (3001) and an Engineering or technical design (1102) may be required if construction occurs within water riparian area	Province-wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		<ul style="list-style-type: none"> Projects that include culverts must meet same requirements as bridges in terms of design and regulations <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>		
Erosion Control Structures (Riparian) (11)				
1101 - Erosion Control and Riparian Habitat Structures 	60% \$30K	<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) Wetland Restoration –earthworks, ditch plugs, equipment rentals. The intent of funding wetland restoration will not be directed at projects that are principally intended to be used for water sources (i.e.; dams and dugouts). The wetland must be restored to as close as the original size, depth and ecological function as possible. In addition, A one-time payment for the restoration of wetlands will be issued to individuals Surface water diversion on slopes <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>Ineligible items:</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 systems (e.g. drainage ditch clean-outs) Costs of tile and installation that exceeds 30 meters 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 There will be no provision for ongoing payments for maintenance of wetlands and/or other infrastructure associated with wetlands 	Riparian Management Plans (3001) and an Engineering or technical design will be required (1102) when construction occurs within wetted portion of the riparian area or within a stream channel	Province-wide



BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		<ul style="list-style-type: none"> Funding in this category will not extend to cover pothole/wetland consolidation or deepening existing functioning wetlands <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>		
Enhancing Habitat for Species at Risk and Biodiversity (22)				
2204 - Relocation of livestock facilities and creation of biodiversity enhancements 	60% \$35K	<ul style="list-style-type: none"> Construction and installation of nests/nest platforms, protective structures (i.e. cattle guards), to prevent nest relocation See: "Relocation of Livestock Facilities Practice Code 0601" for information on details of eligible and ineligible items <p>Note: Funding is to be used to move operations away from sensitive surface water, riparian areas, critical wildlife habitat and areas of severe erosion potential</p>	Biodiversity Plan 2801 with details noted under Relocation of Livestock Facilities described under Practice Codes 0601, and 1005	Province-wide
2204 (A) - Habitat Structures and Enhancement 	60% \$2.5K	<ul style="list-style-type: none"> Funding to support the purchase, construction and installation of species-specific habitat structures and enhancements to natural habitat for wildlife and specific species at risk. These include, but are not limited to: <ul style="list-style-type: none"> Bat houses and/or bat roosts Specialized nest boxes for birds (e.g. barn owl, barn swallow, prothonotary warbler) Winter bird roosts Turtle sunning platforms Snake hibernacula (overwintering sites) Turtle nesting sites Protective structures (i.e. cattle guards) to prevent nest relocation. 		
2206 - Hay land Management to Enhance Wildlife Survival 	60% \$1.5K	<ul style="list-style-type: none"> Flushing bars on haying/silage cutting equipment to reduce wildlife mortality <p>Ineligible Items: Equipment or components directly related to cutting or harvest of forage.</p>		Province-wide
2207 - Creating Pollinator Habitat 	60% \$2.5K	<ul style="list-style-type: none"> Development of pollinator habitat Development of pollinator nesting sites to support pollinators and plant species at risk Consultative service for suitable species, composition and maintenance <p>Ineligible Items:</p> <ul style="list-style-type: none"> On-going maintenance Costs associated with acquiring / planting invasive plant species Opportunity costs associated with payments for land taken out of production Landscape quality or landscaping type plantings Commercial fruit trees, Christmas trees, ornamentals, afforestation, woodlot establishment and reforestation. 		Province-wide
2208 – Creation of Corridors for Connecting Habitat 	60% \$20K	<ul style="list-style-type: none"> Funding to support improving or creating connectivity of fragmented habitat for plant and animal species through plantings. Corridors include protected areas of tall grass, shrubs, and/or trees and may be composed of existing fencerows, field edges, and marginal lands that effectively connect natural areas. <p>Eligible costs:</p> <ul style="list-style-type: none"> Planting of native grasses, legumes, herbaceous plants, trees, and/or shrubs Provision of species shelter through brush piles, rock piles, or logs integrated with plantings 	Biodiversity Plan 2801	




BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		Ineligible costs: <ul style="list-style-type: none"> Ongoing maintenance costs (including maintenance and renovation of existing plantings) Planting invasive or non-native plants Opportunity costs associated with payments for land taken out of production Trees, shrubs or other plantings for landscaping or around buildings Establishment of trees, shrubs, or other plantings that are intended for harvest for economic benefit within 15 years, such as fruit orchards, Christmas trees, ornamental nursery stock, etc Tree spaded stock or the transplant of large caliper trees 		

Improving Management of Nutrients (manure and wastewater)

Practice Codes:

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| <ul style="list-style-type: none"> 0105 – Assessment and monitoring of existing manure storages 0201 – Manure treatment systems | <ul style="list-style-type: none"> 0301 – Improved land application of manure 1701 – Recycling of wastewater streams 3203 – Improved fertilizer application technology |
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BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
Improved Manure Storage and Handling (01)				
0105 - Assessment and monitoring of existing manure storage infrastructure 	50% \$5K	<ul style="list-style-type: none"> Purchase and installation of monitoring devices, such as piezometers or shallow observation wells to identify potential impacts of manure leaks and spills on surface or ground water. Ineligible items: <ul style="list-style-type: none"> Increased volume of storage facilities Improved features to prevent leaks and spills 		Province-wide Poultry and livestock only
Manure Treatment (02)				
0201 - Treatment systems for solid or liquid manure 	30% \$40K	<ul style="list-style-type: none"> Dewatering for liquid manure Sand recovery lanes 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) Ineligible items: New solid or liquid manure storage facilities or modifications to existing facilities which would increase their capacity, including new or modified reception pits Note: <ul style="list-style-type: none"> For anaerobic digesters see 3101-2 For composting of manure see 0803 For non-manure wastewater treatment see 1701 	Nutrient Management Plan (NMP) (2401 A or B)	Province-wide Poultry and livestock only




BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
Manure Land Application (03)				
0301 - Specific equipment components for land application of agricultural by-products 	30% \$20K	<p>Projects could include specialized modifications to equipment for improved manure application to land.</p> <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 Low trajectory, sleighfoot, band or injection spreading technology is preferred. Eligible items could also include addition of flowmeters and controls for liquid delivery systems. <p>Note: For new manure spreading equipment (complete unit) only the portion of the implement directly related to improved accuracy of rate and placement of agricultural by-products for the new spreader will be eligible. This will be determined on a case-by-case basis.</p>		Province-wide
Nutrient Recovery from Wastewater (17)				
1701 - Recycling of wastewater streams 	30% \$20K	<ul style="list-style-type: none"> • This could include wastewater streams from milk houses, fruit and vegetable washing facilities, and greenhouses to recover nutrients or reduce water use 		Province-wide
Nitrous Oxide (N₂O) Emission Reduction (32)				
3203 - Specific equipment components for land application of fertilizer. 	30% \$20K	<p>Projects could include specialized modification which improve the accuracy of rate and or placement of fertilizer.</p> <ul style="list-style-type: none"> • 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. • For new fertilizer application equipment (complete unit,) only the portion of the implement directly related to improved accuracy of rate and or placement of commercial fertilizer for the new applicator will be eligible. This will be determined on a case-by-case basis. 		Province-wide

Agricultural Input & Waste (Residuals) Management

Practice Codes:





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| <ul style="list-style-type: none"> • 0801 (B) – Improved fuel storage • 0801 (C) - Improved pesticide storage • 0802 (A/B) – improved residuals management (mortalities/pruning's) • 0803 – composting of agricultural wastes (residuals) • 0805 – Wood residue management (chippers or forced air burners) | <ul style="list-style-type: none"> • 1601 (A/B/C) - Improved pesticide management (sprayers/movers) • 1602 – Pest monitoring to enhance pest management planning • 3202 – Precision guidance applications (GPS – nutrients/pesticides/residuals) |
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BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
Product and Waste Management (08)				
0801(B) –Improved on-farm fuel storage 	30% \$5K	<ul style="list-style-type: none"> Improved fuel storage by providing a roof and containment for a single walled tank or replacement of a single walled tank with a double walled tank Concrete slab and bollards for a double walled tank Fuel storage structures are to be designed to minimize water collection in the containment structure <p>Ineligible items</p> <ul style="list-style-type: none"> Roof and containment for a double walled tank 		Province-wide
0801(C) - Improved on-farm pesticide storage 	30% \$5K	<ul style="list-style-type: none"> Improved pesticide storage by improving existing storage structure by providing a concrete, non-permeable floor, sill or curb to contain spills Installation of solid metal shelves to restrict absorption of spilled pesticides Installation of lighting <p>Ineligible items</p> <ul style="list-style-type: none"> Locks, vent, and signage (minimum legislative requirement) Construction or purchase of a storage building or structure 		Province-wide
0802 - 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. Note: Conditions for specific waste handling practices by sector		
	30% \$3K	0802 (A) Poultry mortality incinerators <ul style="list-style-type: none"> These are eligible if the incinerator uses best available technology and meets appropriate air emission standards 		Province-wide Poultry only
	30% \$1.5K	0802 (B) Orchard and vineyard mulching mowers <ul style="list-style-type: none"> Heavy duty mulching mowers for dealing with pruning residue. Application must describe how the new equipment provides an improved or incremental benefit 		Province-wide
0803 - Composting of agricultural waste 	30% \$25K	<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, on-farm processing, crop residues, wood, and straw <p>Note: A technical or engineering design (0804) must be completed and included with the project application unless the facility is a preassembled package operation with manufacturer design and operation specifications</p>	Technical or engineering design (0804) may be required	Province-wide
0805 - Wood residue management 	30% \$10K	<ul style="list-style-type: none"> On-farm or portable chippers or forced air assistance burners. <p>Ineligible items:</p> <ul style="list-style-type: none"> Rental or contracted services for wood residue management unless project is part of a group based EFP <p>Note: Burners must meet the conditions and appropriate air emission standards of the BC Ministry of Environment and Climate Change</p>		Province-wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
Improved Pest Management (16)				
1601 - Improved Pest Management Equipment 		Alteration or purchase of new or alternations to pesticide application equipment and purchase mowing equipment to reduce pesticide use. Application must describe how the new equipment provides an improved or incremental benefit. Ineligible: 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		
	50% \$1.5K	1601 (A) Alterations to sprayers		Province-wide
	30% \$10K	1601 (B) New Sprayers		Province-wide
	30% \$1.5K	1601 (C) Rotary or flail mowers, in row mowers and tillers <ul style="list-style-type: none">These implements must have side discharge or swinging arms that are designed to reduce pesticide use and target grass clipping management.		Province-wide
1602 - Information Collection & Monitoring 	30% \$5K	<ul style="list-style-type: none">Equipment & materials such as prediction, trapping devices and sampling equipment Ineligible: Pest management practices common to the industry and well understood will not be funded		Province-wide
Improved Input Management				
3202 - Precision guidance applications (GPS) 	30% \$10K	Precision farming applications that reduce input application and overlap of fertilizer, pesticides or organic residuals (manure/compost) <ul style="list-style-type: none">GPS guidance systems and installationOn-line field mapping equipmentOn-line input application control systems guided by high resolution electronic field maps and GPS Ineligible: <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 significant utility from use of GPS – guided equipmentAnnual subscription fees		Province-wide

Irrigation Water Management

Practice Codes: <ul style="list-style-type: none">1802 – Weather stations or improved irrigation system management tools1804 (A) – Irrigation infrastructure improvements	<ul style="list-style-type: none">1804 (B) – Irrigation Infrastructure Improvement - mainline1805 – Irrigation system replacement1806 – Improved irrigation water conveyance (ditch to pipe)
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BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
Irrigation Management (18)				
1802 - Weather stations or improved irrigation system management control components 	50% \$5K	<ul style="list-style-type: none"> 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 is installed in combination with soil moisture probes and/or a weather station Weather station with a data transmission unit using cellular, internet or satellite. Station must be connected to Farmwest.com website or similar web network as approved by BC Ministry of Agriculture, Food and Fisheries. The stations must be located in an area of the farm that is not directly impacted by farm operations (e.g., station cannot be located where irrigation water may interfere with the rain sensor). Costs to connect station to Farmwest, transmit data to Farmwest, and regular station maintenance of approved systems will be paid for by BC Ministry of Agriculture, Food and Fisheries unless otherwise notified. <p>Ineligible items: Labour to install systems or improvements to systems</p>		Province-wide
1804 (A) - Irrigation Infrastructure Improvement-nozzles, gaskets, sprinklers, suction screens and intake pipes 	50% \$12.5K	<ul style="list-style-type: none"> An existing operational irrigation system must be in place Proof of existing water license and use of irrigation system in previous cropping year must be provided Eligible items include (if identified in plan): <ul style="list-style-type: none"> Replacement of aluminum and nozzles, gaskets, sprinklers, suction screen, and intake pipes Irrigation management plan (2901) must indicate how and to what level irrigation water use efficiency will be increased <p>Ineligible:</p> <ul style="list-style-type: none"> Used irrigation systems parts Irrigation systems under glass or poly greenhouses or enclosures 		Province-wide
1804 (B) - Irrigation Infrastructure Improvement - mainline 	50% \$12.5K	<ul style="list-style-type: none"> An existing operational irrigation system must be in place Proof of existing water license and use of irrigation system in previous cropping year must be provided Eligible items include (if identified in plan): <ul style="list-style-type: none"> replacement of aluminum and/or steel mainlines Irrigation management plan (2901) must indicate how and to what level irrigation water use efficiency will be increased <p>Ineligible:</p> <ul style="list-style-type: none"> Used irrigation systems parts Irrigation systems under glass or poly greenhouses or enclosures 	Refer to General Policy Statement 24 for information required with the project application. All applications will be reviewed on a merit-based approach.	Province-wide
1805 - Irrigation System Replacement 	30% \$20K	<ul style="list-style-type: none"> An existing operational irrigation system must be in place Proof of existing water license and use of irrigation system in previous cropping year must be provided Any type of irrigation system may be upgraded to improve application efficiency. Upgrades must be identified in an irrigation management plan. 	Refer to General Policy Statement 24 for information required with the project application. All applications will be reviewed on	Province-wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		<ul style="list-style-type: none"> Irrigation management plan (2901) must indicate how and to what level irrigation water use efficiency will be increased for the entire irrigation system <p>Ineligible:</p> <ul style="list-style-type: none"> Used irrigation systems, unless purchased from an authorized irrigation supplier New systems designed for the purpose of changing cropping system 	a merit-based approach.	
1806 - Irrigation System Improvement – Conveyance Ditch 	50% \$10K	<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 Forests, Lands, Natural Resource Operations and Rural Development, Water Management Branch must be informed of change in the diversion and associated works 	Refer to General Policy Statement 24 for information required with the project application.	Eligible areas of the province are the following Regional Districts: Bulkley-Nechako, Fraser-Fort George, Cariboo, Thompson-Nicola, Columbia-Shuswap, North Okanagan, Central Okanagan, Okanagan-Similkameen, Kootenay-Boundary, Central Kootenay, and East Kootenay

Proposal Based Applications

Practice Codes:

- 3501 – Creative environmental and regenerative solutions

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
Innovation (35)				
3501 - Creative Environmental and Regenerative Solutions 	30% \$30K	<ul style="list-style-type: none"> This category is open to applications that address projects or situations identified in an EFP but not represented by any other BMP Categories. Applications will be accepted and reviewed on a “proposal driven basis” and be reviewed by an adjudication committee 	Applicable planning, engineering or technical design must accompany application.	Province-wide

Planning, Technical Assessments and Engineered Designs

For all plans, technical assessments or engineering designs a quote and a CV is required from the plan/design writer.

Basic Plans (100% up to identified limit)

- 2401 (A) – Nutrient management planning (Voluntary) (\$3K)
- 2501 – Integrated pest management planning (\$1K)
- 2601 – Grazing management planning (\$1K)
- 2801 – Biodiversity planning (\$2K)
- 2901 – Irrigation management planning (\$1.5K)
- 2902 – Storm water or drainage management plans (\$3K)
- 3001 – Riparian management planning (\$1K)
- 3401 – Vegetative buffer planning (\$2K)

Complex Plans (100% of first \$3K and 80% to max program payment of \$10K)

- 0106 – Engineering or technical design work by a qualified professional (earthen manure storage structure assessment) (As per Section 24: *Code of Agricultural Practice for Environmental Management*)
- 0804 – Engineering or technical design work by a qualified professional (organic residuals - composting)
- 3301 – Energy Assessments completed by a qualified professional

Complex Plans (100% of first \$3K and 50% to max program payment of \$6K)

- 2401 (B) – Nutrient management planning
(As per Sections 56 and 57: *Code of Agricultural Practice for Environmental Management*)

Basic Designs (100% of first \$5K and 80% to max program payment of \$15K)



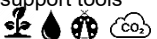
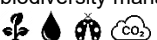

- 0204 – Engineering or technical design work by a qualified professional (manure treatment)
- 0503 – Engineering or technical design work by a qualified professional (confined livestock area runoff)
- 0603 – Engineering or technical design work by a qualified professional (confined livestock relocation)
- 1702 – Engineering or technical design work by a qualified professional (wastewater – nutrient recovery)




Intermediate Designs (100% of first \$5K and 80% to max program payment of \$20K)





- 1007 – Engineering or technical design work by a qualified professional (riparian areas out of water)
- 1102 – Engineering or technical design work by a qualified professional (riparian areas in water)









Complex Designs (50% to \$20K)

- 3102 – Engineering or technical design work or technical feasibility studies (methane emission reduction)
- 3309 – Engineering or technical design work or technical feasibility studies (carbon dioxide emission reduction)

BMP Category Practice Code	Eligible BMPs and Costs	Target Area and Commodity
Basic Plans (100% up to identified limit)		
<p>Voluntary Nutrient Management Planning (NMP) - 2401 (A)</p> <p>Consultative services to develop nutrient management plans, planning and decision support tools</p> 	<ul style="list-style-type: none"> • First Plan: Up to \$3K for first plan including a maximum of \$800 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 • Second Plan: Up to \$1.5K for costs associated with second plan. Producers may be eligible for funding to complete a second nutrient management plan to be completed within the next three subsequent years. Maximum of \$350 can be used for laboratory analyses • NMPs should include required elements (appropriate record keeping and reporting standards - see Information sheet at www.BCEFP.ca) • Estimated actual costs associated with development of plan must be submitted for review and approval <p>Note: Raw nutrient data – free of farm identification – will be collected for environmental health indicators reporting purposes</p>	Province-wide
<p>Integrated Pest Management Planning - 2501</p> <p>Consultative services to develop integrated pest management plans, planning and decision support tools.</p> 	<ul style="list-style-type: none"> • Up to \$1K per plan • IPM consultant must be approved by ARDCorp to be eligible for reimbursement. • IPM plans must contain required elements of a plan (see information sheet at www.BCEFP.ca) • Actual costs associated with development of plan must be submitted for review and approval <p>Note: Limit of one plan per eligible farm operation</p>	Province-wide
<p>Grazing Management Planning - 2601</p> <p>Consultative services to develop range and grazing management plans, planning and decision support tools</p> 	<ul style="list-style-type: none"> • Up to \$1K per plan • Linked to Practice Codes 1004 and 1005 <p>Note: Limit of two plans per eligible farm operation</p>	Province-wide
<p>Biodiversity Management Planning - 2801</p> <p>Consultative services to create a biodiversity management plan</p> 	<ul style="list-style-type: none"> • Up to \$2K per plan • Plan must include an opportunities assessment, an action plan, identification of potential activities to be implemented, and a monitoring plan. • Planning and decision support tools (e.g., computer software and aerial photos) • Maps and land resource information costs • Report preparation by consultant • Plan review with producer • Guidance for this BMP is derived from the EFP “Planning for Biodiversity A Guide for BC Farmers and Ranchers” • Linked to BMP Practice Codes 1001, 1002, 1003, 1901, 2204 and 2208 <p>Note: Limit of one plan per eligible farm operation</p>	Province-wide Overall program cap of \$30,000
<p>Water Management Planning</p> <p>2901 - Irrigation Design and Management Plans</p> 	<ul style="list-style-type: none"> • Up to \$1.5K per plan <p>Consultative services by an IIABC Certified Irrigation Designer (https://www.irrigationbc.com/irrigation/certifications/search/) (or equivalent deemed acceptable by BC Ministry of Agriculture, Food and Fisheries) to produce an irrigation management plan</p> <p>Plan must include:</p> <ul style="list-style-type: none"> • Recommendations to increase water use efficiency for both all components of system including delivery and application • A certified design layout, material list, operation and maintenance requirements • Applicable Irrigation System Assessment Worksheets from EFP Planning Workbook <u>or</u> Irrigation System Assessment Guide 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 	Province-wide

BMP Category Practice Code	Eligible BMPs and Costs	Target Area and Commodity
	<ul style="list-style-type: none"> • 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 <p>Ineligible: Design plans for new systems where an existing system was not in place or for a change in cropping system</p> <p>Note: Limit of two plans per eligible farm operation</p>	
<p>Water Management Planning</p> <p>2902 - Water Management Planning (Stormwater or Drainage)</p> 	<ul style="list-style-type: none"> • Up to \$3K per plan • Consultative services for water management planning to deal with issues arising from excess water (including mapping of existing surface and subsurface drainage systems) and other water related issues resulting from climate change • Linked to BMP Category 5 and Practice Code 3201 <p>Note: Limit of one plan per eligible farm operation</p>	Province-wide
<p>Riparian Management Plan - 3001</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"> • Up to \$1K per plan • RMP is based on a needs assessment from riparian health assessments (RHA) generated during EFP process • Results of RHA 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. Detailed engineering of bank stability and/or stream crossings should be completed under Practice Codes 1007 or 1102 • Report preparation by consultant • Plan review with producer • Linked to BMP Categories 10 and 11 <p>Ineligible items:</p> <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>Note: Limit of two plans per eligible farm operation</p>	Province-wide
<p>Vegetative Buffer Planning - 3401</p> <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"> • Up to \$2K per plan • 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 • Linked to BMP Practice Code 1901 <p>Ineligible items:</p> <ul style="list-style-type: none"> • Time, effort and travel by the producer • Professional services not directly related to the VBP <p>Note: Limit of one plan per eligible farm operation</p>	Province-wide

BMP Category Practice Code	Eligible BMPs and Costs	Target Area and Commodity
Complex Plans (100% of first \$3K then 80% of any additional plan costs to a maximum program payment of \$10K associated with first plan)		
Improved Manure Storage and Handling - 0106 Engineering or technical design work by a qualified professional (earthen manure storage structure assessment) 	<ul style="list-style-type: none"> Assessment of existing earthen manure or agricultural by-product storage basins (lagoons) built before February 28th, 2019 by a qualified professional as per Section 24: <i>Code of Agricultural Practice for Environmental Management</i> Costs can include site assessment by drilling, analytical costs for soil or water and report preparation Ineligible items: <ul style="list-style-type: none"> Permanent monitoring equipment Leak prevention supplies 	Province-wide
Product and Waste Management - 0804 Engineering or technical design work 	<ul style="list-style-type: none"> Engineering or technical design report and drawings to facilitate construction of composting facility Compost facility operational planning and monitoring information Ineligible items: <ul style="list-style-type: none"> Construction materials Monitoring equipment 	Province-wide
Carbon Dioxide (CO₂) Emission Reduction - 3301 Consultative services for on-farm energy efficiency assessment Projects must either reduce agricultural carbon dioxide emissions or reduce the concentration of CO ₂ in the atmosphere 	<ul style="list-style-type: none"> Assessments must include the use of "Farm Energy Assessment Tool" created by Climate & Agriculture Initiative BC Assessment may be carried out by any contracted professional recognized by the Program Assessment Tool is available from ARDCorp office 	Province-wide
(100% of first \$3K then 50% of any additional plan costs to a maximum program payment of \$6K associated with first plan)		
Regulatory Nutrient Management Planning (NMP) - 2401 (B) Consultative services to develop nutrient management plans, planning and decision support tools Designated for Nutrient Management Planning (As per Sections 56 and 57: <i>Code of Agricultural Practice for Environmental Management</i>) 	<ul style="list-style-type: none"> First Plan: 100% of first \$3K, 50% of additional costs up to a maximum \$6K program payment. Second Plan: 100% of first \$3K, 50% of additional costs up to a maximum \$5K for a second plan completed within 3 years of any previous NMP funded by the program. Maximum of \$1K 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 NMPs should include required elements (appropriate record keeping and reporting standards - see Information sheet at www.BCEFP.ca) Estimated actual costs associated with development of plan must be submitted for review and approval Note: Raw nutrient data – free of farm identification – will be collected for environmental health indicators reporting purposes	Province-wide

Basic Designs (100% of first \$5K and 80% to a max program payment of \$15K)		
Manure Treatment - 0204 Engineering or technical design work 	<ul style="list-style-type: none"> Eligible projects include assessment and design of agricultural by-product manure treatment Focus of engineering or technical design should on recovery of nutrients 	Province-wide
Farmyard Runoff Control / Storm Water Management - 0503 Engineering or technical design work 	<ul style="list-style-type: none"> Eligible projects include assessment and design of farmyard run of control and/or management of stormwater to prevent clean water from being contaminated or prevent the release of contaminated water Consideration should be given to design and operation parameters identified in the BC Agricultural Drainage Manual and/or the EFP Drainage Management Guide 	Province-wide livestock only
Relocation of Livestock Confinement - 0603 Engineering or technical design work 	<ul style="list-style-type: none"> Eligible projects include assessment and design of outdoor livestock confinement areas with a view to protecting riparian areas or critical habitat Focus of engineering or technical design should on both design of new site and the decommissioning of the original site 	Province-wide
Nutrient Recovery from Wastewater - 1702 Engineering or technical design work 	<ul style="list-style-type: none"> Eligible projects include assessment and design of agricultural by-product wastewater treatment Focus of engineering or technical design should on recovery of nutrients 	Province-wide
Intermediate Designs (100% of plan cost for the first \$5K and then 80% of any additional plan costs to a maximum program payment of \$20K)		
Riparian Area Management - 1007 1007 - Engineering or technical design by an accredited engineering consultant or a qualified professional in accordance with federal, provincial and local government regulations and specifications 	<ul style="list-style-type: none"> Eligible projects include assessment and design of any riparian area structures (i.e., fencing, off stream watering, bank stabilization planting) primarily located out of the water Focus of engineering or technical design should be works directed related to the terrestrial (land) portion of the riparian area 	Province-wide
Erosion Control / Water Storage Structures (Riparian) -1102 Engineering or technical design by an accredited engineering consultant or a qualified professional in accordance with federal, provincial and local government regulations and specifications 	<ul style="list-style-type: none"> Eligible projects include assessment and design of any riparian structures (i.e., culverts, dams, bridges, revetments or root wads) including assessments for licensed water storage structures with an agricultural purpose on the water license Focus of engineering or technical design should be works directed related to the aquatic (water) portion of the riparian area and dam safety assessment 	Province-wide
Complex Designs (50% to \$20K)		
Methane (CH₄) Emission Reduction - 3102 Engineering design work or technical feasibility studies 	<ul style="list-style-type: none"> This practice code is designated as to be used when a feasibility studies are required prior to the implementation of practice codes 3101-1 or 3101-2 This practice code will stand alone if project does not proceed for economic, technical or environmental reasons 	Province-wide
Carbon Dioxide (C₂O) Emission Reduction - 3309 Engineering or technical design work or technical feasibility studies 	<ul style="list-style-type: none"> This practice code is designated as to be used when a feasibility studies are required prior to the implementation of practice codes 3303 and 3304 This practice code will stand alone if project does not proceed for economic, technical or environmental reasons 	Province-wide