



ENVIRONMENTAL FARM PLAN

Beneficial Management Practices Policy and Descriptions (2022-2023) Program

Funding for this program has been provided by the Governments of Canada and British Columbia through the Canadian Agricultural Partnership, a federal-provincial-territorial initiative. The program is delivered by the Investment Agriculture Foundation of BC.



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 by focusing on enhancing regenerative agriculture and climate change priorities. The EFP Program provides agricultural producers with the means to identify agri-environmental risks and highlight opportunities to reduce risks and to improve environmental performance.

Beneficial Management Practices Program

The Environmental Farm Plan (EFP) and Beneficial Management Practices (BMP) programs are complimentary programs designed to help producers reduce their impact on the environment and increase their resiliency to climate change, while increasing on-farm efficiency and profitability.

Producers who have a completed and current EFP may be eligible to apply for cost-shared incentives through the 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 for the Beneficial Management Practices (BMP) Program

1. Complete an EFP for your farm and receive a 'Statement of Completion' from the Investment Agriculture Foundation (IAF) recognized Planning Advisor
2. Fill out a BMP application form (providing all requested identification and details of your project)
3. Applicant must sign the application form
4. Submit the application form to IAF

Applications will only be accepted by online submission through <https://app.bcfarmplan.ca/forms/BMP?type=planning> for planning applications and <https://app.bcfarmplan.ca/forms/BMP?type=project> for project applications. If using the PDF template, submissions can be emailed to EFPBMP@iafbc.ca.

General Policy Statements and Conditions for the Beneficial Management Practices (BMP) Program

The following Beneficial Management Practices and Policy are for the Program Year 2022/2023, (to March 2023). 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, soil health, air quality, biodiversity or climate change.

3. Farm Cap: Overall farm cap for the 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.

Funding for BMP projects that help meet climate action commitments do not count towards the \$70K farm cap. These projects are highlighted in orange and blue font throughout the program guide.

4. Projects per Application: Each eligible project constitutes a single application, but some projects may include more than one practice code. 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.

For 2022/23, eligible farm or ranch operations will be permitted up to three project or equipment related BMP applications per year per eligible farm enterprise. BMP applications submitted in any of the 2022 intakes will count towards the three-application maximum per year.

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, agrology, forestry, biology, engineering, geomorphology, geology, hydrology, hydrogeology or landscape

architecture. An appropriately qualified professional must be registered in British Columbia with the appropriate professional organization and acting under that association’s Code of Ethics and subject to disciplinary action by that association. 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. *IAF 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 IAF 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 2022-2023 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 and Food 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 and Food, 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 equipment or motors with electrical equipment or 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 activities
- Fisheries information for the water source (barriers to fish – Practice Code 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 (Practice Code 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.....	30
• Fisheries value.....	30
• 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.....	30
• Fisheries value.....	30
• 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 Practice for*

Agricultural 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 related to the applicant, not affiliated 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	13
3101-1	Covered manure storage or Covered manure storage in combination with methane collection and renewable energy production from collected methane	14
3101-3	Feed additives to manage enteric fermentation in ruminants	14
3201	Improved drainage on intensively managed forage	14
3302-1	Replacement of fossil-fuel-driven equipment or motors with electrical equipment or motors	15
3302-2	Power line extension for replacement of fossil-fuel driven motors with electrical motors	15
3302-3	Replacement of fossil fuel driven engines with electric battery pack	15
3303	Alternative energy technology and supplementary energy Storage	15
3304-1	Replacement of fossil fuel dependent space heating with renewable energy source	16
3305	Low disturbance placement of seed and fertilizer	16
3307	Thermal energy efficiency improvements that increase insulation and reduce cooling and heating needs	17
3308	Lighting efficiency improvements	17
3310	Energy monitoring and controls	17
3310 (A)	Grain dryer energy efficiencies	17

Improving Land, Water Quality and Enhancing or Protecting Biodiversity *

page 18

Practice Codes	Practice Description	Pg
0501	Storm water/runoff management around confined livestock facilities	18
0601	Relocation of livestock confinement (water)	18
0704	Wintering site management	18
0901	Well Protection	19
0903	Construction of new minor dams and reservoirs for farm water use	19
0904	Construction of new dugouts for farm water use	19
0905	Installation of new roof rainwater harvesting systems for farm water use	20
0906	(New for 2022) Construction of new large dams and reservoirs for farm water use	20
0907	(New for 2022) Expansion of dugouts for farm water use	20
1001	Alternative watering systems for livestock (riparian)	21
1002	Riparian habitat establishment	21
1003	Fencing to improve grazing and improve riparian condition and function	22
1004	Native range restoration or establishment	22
1005	Grazing management in uplands surrounding riparian area	23
1006	Improved stream crossings (riparian)	23
1101	Erosion control and riparian habitat structures	24
1304	Cover cropping for soil health and erosion control	25
2204	Relocation of livestock confinement (biodiversity)	25
2204 (A)	Habitat Structures and enhancement	25
2206	Protection of wildlife (flushing bars)	25
2207	Creation of pollinator habitat	25
2208	Creation of corridors for connecting habitat	26

Improving Management of Nutrients (manure and waste water) page 26

Practice Codes	Practice Description	Pg
0105	Assessment and monitoring of existing manure storages	26
0201	Treatment systems for solid or liquid manure	27
0301	Improved land application of agricultural by-products	27
1701	Recycling of wastewater streams	27
3203	Improved fertilizer application technology	27

Agricultural Input & Waste (residuals) Management page 28

Practice Codes	Practice Description	Pg
0801 (B)	Improved on-farm fuel storage	28
0801 (C)	Improved on-farm pesticide storage	28
0802 (A/B)	Improved residuals management (mortalities / pruning's)	28
0803	Composting of agricultural wastes (residuals)	28
0805	Wood residue management (chippers or forced air burners)	29
0806	(New for 2022) Plastics compactor equipment	29
1601 (A/B/C)	Improved pesticide management (sprayers / movers)	29
1602	Pest monitoring to enhance pest management planning	29
3202	Precision guidance applications (GPS - management of nutrients/pesticides/residuals)	30

Irrigation Water Management page 31

Practice Codes	Practice Description	Pg
1802	Weather stations or improved irrigation system management control components	31
1804 (A)	Irrigation Infrastructure Improvement - nozzles, gaskets, sprinklers, suction screen and intake pipes	31
1804 (B)	Irrigation Infrastructure Improvement - mainline	31
1805	Irrigation system replacement or upgrade	32
1806	Improved irrigation water conveyance (ditch to pipe)	32
1807	(New for 2022) Rehabilitation and upgrades of agricultural dams and reservoirs	33
1808	(New for 2022) Water meters and other flow measuring devices on farm	33
1809	(New for 2022) New irrigation system	33

Proposal based applications page 33

Practice Codes	Practice Description	Pg
3501	Creative environmental regenerative agriculture solutions (Innovation)	33

Planning, Technical Assessments or Engineered Designs page 34

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	34
2501	Integrated pest management planning	\$1K	35
2601	Grazing management planning	\$1K	35
2801	Biodiversity planning	\$3K	35
2901	Irrigation management planning	\$1.5K	35

2902	Storm water or drainage management plans	\$3K	36
3001	Riparian management planning	\$1.5K	36
3401	Vegetative buffer planning	\$2.5K	36

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>The Code of Practice for Agricultural Environmental Management</i>)		37
0804	Engineering or technical design work by a qualified professional (organic residuals – composting)		37
3301	Energy Assessments and alternative energy pre-feasibility study completed by a qualified professional		37
(100% of first \$3K and 50% to max program payment \$6K)			
2401 (B)	Nutrient management planning (regulatory) (As per Sections 56 and 57: <i>The Code of Practice for Agricultural Environmental Management</i>)		37

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)		38
0503	Engineering or technical design work by a qualified professional (confined livestock area runoff)		38
0603	Engineering or technical design work by a qualified professional (confined livestock relocation)		38
1702	Engineering or technical design work by a qualified professional (wastewater – nutrient recovery)		38
1703	(New for 2022) Engineering or technical design work by a qualified professional (water supply assessments for water licence application)		38


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)		38
1102	Engineering or technical design work by a qualified professional (riparian areas in water)		39
1103	(New for 2022) Engineering or technical design or assessment work by a qualified professional (water storage dam assessment and water release design plan as required by Dam Safety Regulation)		39




Complex Designs (50% to \$20K)			
Practice Codes	Practice Description		
3102	Engineering or technical design work or technical feasibility studies (methane emission reduction)		39
3309	Engineering or technical design work or technical feasibility studies (carbon dioxide emission reduction)		39
Complex Plans (100% of first \$10K then 70% of any additional plan costs to a maximum program payment of \$50K)			
Practice Codes	Practice Description		
0205	Feasibility studies for the installation of biogas systems		39





Reducing Impacts on Air Quality and Climate Change


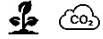
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



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| <ul style="list-style-type: none"> • 1901 – Establishment of vegetative shelterbelts, buffers or hedgerows • 3101-1– Covered manure storage or Covered manure storage in combination with methane collection and renewable energy production from collected methane • 3101-3 – Feed additives to manage enteric fermentation in ruminants • 3201 – Improved drainage on intensively manage forage • 3302-1 – Replacement of fossil-fuel-driven equipment or motors with electrical equipment or motors • 3302-2 – Power line extension for replacement of fossil-fuel driven motors with electrical motors • 3302-3 – Replacement of fossil fuel driven engines with electric battery pack | <ul style="list-style-type: none"> • 3303 – Alternative energy technology and supplementary energy Storage • 3304-1 – Replacement of fossil fuel dependant space heating with renewable energy source • 3305 – Low disturbance placement of seed and fertilizer • 3307 – Thermal energy efficiency improvements that increase insulation and reduce cooling and heating needs • 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 |
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BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with a project
<p>1901 - Establishment of vegetative shelterbelts, or buffers or hedgerows</p>  <p>Province wide</p>	<p>60%</p> <p>\$15K</p>	<ul style="list-style-type: none"> • The desired outcome of the shelterbelt or buffer 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 can be single or multi-row • 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 <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 and shelterbelt renovations costs incurred after establishment, or the purchase and relocation of established trees • 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 buffer plantings in all regional districts of Vancouver Island, the Okanagan and Similkameen Valleys, Thompson-Nicola, Fraser Valley and Metro Vancouver areas</p>
<p>3101-1 - Covered manure storage or Covered manure storage in combination with methane collection and renewable energy production from collected methane</p>	<p>40%</p> <p>\$50K</p>	<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 • Sealed cover (tent-like structure or self-inflated dome or lid) for anaerobic reactors • Floating contact cover (whole sheet) for liquid digester effluent storage 	<p>Can be supported by engineering or technical design (3102) if required</p>

BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with a project
<p>Projects must reduce methane emissions from agricultural operations by preventing, suppressing or utilizing methane (CH₄)</p>  <p>Province wide</p>		<ul style="list-style-type: none"> 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 Environmental Management Act and carbon offset verification and validation 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 Rainwater 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 	
<p>3101-3 - Feed additives to manage enteric fermentation in ruminants</p>  <p>Province wide</p>	<p>30%</p> <p>\$5K</p>	<p>Examples of eligible additives for investigation:</p> <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>	
<p>3201 - Improved drainage on forage corn and forage grass fields as proposed by a water management plan</p>  <p>Strathcona, Comox Valley, Cowichan Valley, Alberni-Clayoquot, Capital, Nanaimo, Metro Vancouver and Fraser Valley Regional Districts</p>	<p>50%</p> <p>\$10K</p>	<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>	<p>Water Management Plan</p>




BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with a project
<p>3302-1 Replacement of fossil-fuel-driven equipment or motors with electrical equipment or motors</p>  <p>Province wide</p>	<p>30% \$30K</p>	<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 Wind turbines – Electric conversion <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 	
<p>3302-2 - Power line extension for replacement of fossil-fuel driven motors with electrical motors</p>  <p>Province wide</p>	<p>30% \$30K</p>	<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>	
<p>3302-3 - Replacement of fossil fuel driven engines with electric battery pack</p>  <p>Province wide</p>	<p>30% \$1K</p>	<ul style="list-style-type: none"> Replacement of fossil fuel driven mobile / hand pruners with pruners operating from rechargeable battery packs 	
<p>3303 - Alternative energy technology and supplementary energy Storage</p>  <p>Province wide</p>	<p>30% \$50K</p>	<p>Wind, Solar, geothermal, Combined Heat and Power & On Farm Hydro for powering previously fossil-fuel dependent farm energy requirements and replacement of diesel generators</p> <ul style="list-style-type: none"> Wind turbines Photovoltaic solar panels Geothermal systems Combined Heat and Power Rechargeable batteries Energy Storage 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 designed to generate energy for sale. 	<p>Option to combine with engineering or technical design (3309)</p>



BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with a project
<p>3304-1 - Replacement of fossil-fuel dependent space heating with renewable heating</p>  <p>Province wide</p>	<p>30% \$30K</p>	<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 • Heat recovery and use including waste heat • Warm water tanks • Electric boilers • Insulation for hot 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>	<p>Option to combine with engineering or technical design (3309)</p>
<p>3305 - Low Disturbance Placement of Seed and Fertilizer</p>  <p>Province wide</p>	<p>30% \$30K</p>	<ul style="list-style-type: none"> • Equipment modification on seeding implements for reduced tillage seeding and post seeding implements for low disturbance placement of seed and fertilizer • Modifying seeding and post-seeding implements for low-disturbance placement of seed and fertilizer; applicants may claim value of eligible components when purchasing equipment (coulters, openers, trash clearance devices, furrow closers, and liquid or row crop fertilizer banders). • Eligible items include: <ul style="list-style-type: none"> ○ Single disc openers (e.g. coulters), residue clearance devices and additional toolbars as required ○ Openers for fertilizer placement on specialized planters and drills ○ Cover crop crimper (if part of a one-pass seeding operation) • Liquid or dry fertilizer placement systems for high residue conditions <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. 	
<p>3307 - Thermal energy efficiency improvements that increase insulation and reduce cooling and heating needs</p>	<p>30% \$30K</p>	<ul style="list-style-type: none"> • Thermal curtains and other dividers • Improved insulation • Management optimization systems • Building envelope inspection and recommendations • Improvements to building envelope 	




BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with a project
 Province wide		Ineligible items: Thermal dividers and insulation for structures that are not directly related to agricultural production e.g., offices and residences	
3308 - Lighting efficiency improvements  Province wide	30% \$10K	<ul style="list-style-type: none"> Low energy lighting equipment Ineligible items: Low energy lighting equipment for structures that are not directly related to agricultural production (e.g., office or equipment/machinery storage)	
3310 - Energy Monitoring and Controls  Province wide	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 Variable speed blowers Thermostat/ temperature controls on grain dryers 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  Province wide	60% \$50K	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 	



Improving Land, Water Quality and Enhancing or Protecting Biodiversity*



<p>Practice Codes:</p> <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 • 0901 – Well Protection (existing wells) • 0903 – Construction of new minor dams and reservoirs for farm water use • 0904 – Construction of new dugouts for farm water use • 0905 – Installation of new roof rainwater harvesting systems for farm water use • 0906 – (New for 2022) Construction of new large dams and reservoirs for farm water use • 0907 – (New for 2022) Expansion of dugouts 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) • 1304 – Cover cropping • 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 Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with a project
0501 - Storm water/runoff management around confined livestock facilities  Province wide, livestock only	50% \$10K	<ul style="list-style-type: none"> • Upstream diversion around outdoor confined livestock areas or downstream protection of stewardship areas • Projects may include catch basins, retention ponds, in field diversion works, or constructed wetlands <p>Ineligible items: Gutters and downspouts for farm buildings are not eligible for funding. These are standard building components that are the responsibility of producers</p>	Must have technical design (503)
0601 - Relocation of livestock facilities  Province wide	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>Notes: 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> <ul style="list-style-type: none"> • Groundwater protection: Proximity to sensitive groundwater is not a rationale for use of this BMP • Existing site must be decommissioned <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. 	
0704 - Field access improvements for livestock winter feeding areas  Province wide	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 	


BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with a project
<p>0901 – Well Protection</p> <p>Province wide All wells that are deemed at risk from contamination during an EFP assessment</p>	<p>50% \$7.5K</p>	<ul style="list-style-type: none"> • Earthwork at well head or runoff diversion • Installation of pitless adaptor • Upgrading or maintenance to well head or well casing, fittings, seals, waterproof caps, and connections to prevent seepage • Flow control for artesian wells and backflow prevention • Casing extensions to elevate well head <p>Ineligible Items: New well construction, wells without a ground water use licence (or submitted application to license)</p> <p>Note: Photo evidence of before and after conditions must be provided with claim</p>	
<p>0903 – Construction of new minor dams and reservoirs for farm water use</p> <p> Province wide</p>	<p>30% \$10K</p>	<p>New minor earthen dams (less than 7.5 metres in height and 10,000 cubic metres in volume) 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 items:</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 metres in height and/or to hold more than 10,000 cubic metres 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>
<p>0904 – Construction of new dugouts for farm water use</p> <p> Province wide</p> <p>Water that is vested to the province will require a water licence</p>	<p>50% \$10K</p>	<p>New dugout construction for farm use for collection of water (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 and Food, 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 items:</p> <ul style="list-style-type: none"> • Water used for non-agricultural purposes • Used equipment • Water distribution system • Dugouts designed to hold greater than 2,500 cubic metres of water <p>Note: Photo evidence of before and after conditions must be provided with claim</p>	<p>Water Management Plan (2902)</p>





BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with a project
<p>0905 – Installation of new roof rainwater harvesting systems for farm water use</p>  <p>Province wide</p>	<p>30% \$5K</p>	<p>New roof capture system for the collection of rainwater or snowmelt water (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 wastewater 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>	
<p>New for 2022</p> <p>0906 - Construction of new large dams and reservoirs for farm water use</p>  <p>Province Wide</p>	<p>40% \$50K</p>	<p>New large dams that are over 7.5 metres in height or 10,000 cubic meters in volume will require water licences from Ministry of Forests (FOR).</p> <ul style="list-style-type: none"> • Machinery cost • Construction materials • Spillway • Head gate and/or valves • Piping through dam or siphon <p>Ineligible items:</p> <ul style="list-style-type: none"> • Water used for non-agricultural purposes • Used equipment • Water distribution system • Dams designed to be less than 7.5 meter in height and to hold less than 10,000 cubic metres of water <p>Note: Photo evidence of before and after conditions must be provided with claim</p>	
<p>New for 2022</p> <p>0907 – Expansion of dugouts for farm water use</p>  <p>Province Wide</p>	<p>40% \$30K</p>	<p>May require authorization from Ministry of Forests (FOR). Eligible dugouts would be greater than 2,500 cubic meters but less than 10,000 cubic metres. Berm must be 1 meter or less.</p> <ul style="list-style-type: none"> • Machinery cost • Material costs • 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 and Food, 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> <p>Ineligible items:</p> <ul style="list-style-type: none"> • Water used for non-agricultural purposes 	



BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with a project
		<ul style="list-style-type: none"> Used equipment Water distribution system Dugouts designed to hold greater than 10,000 cubic metres of water <p>• Note: Photo evidence of before and after conditions must be provided with claim</p>	
<p>1001 – Alternative Watering Systems to Manage Livestock</p>  <p>Province wide</p>	<p>60%</p> <p>\$30K</p>	<p>For example: solar, gravity-fed, wind, grid or alternative power</p> <ul style="list-style-type: none"> Pumps Storage Power setup from existing power line Waterlines Construction Protective fencing or portable panels Monitoring equipment <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>
<p>1002 – Riparian Habitat Establishment</p>  <p>Province wide</p>	<p>60%</p> <p>\$30K</p>	<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>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 	<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>

BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with a project
		<ul style="list-style-type: none"> • 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 and Improve Riparian Condition and Function</p>  <p>Province wide</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) • 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>1004 – Native Range and Restoration or Establishment</p>  <p>Province wide</p>	<p>60% \$30K</p>	<p>To cover a portion of the cost for:</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"> • Tame or agronomic pasture seeding and establishment or renovation costs • Pasture renovation • Altering native species plant balance • Routine forage management practices • Costs associated with acquiring / planting invasive plant species • Opportunity costs associated with payments for land taken out of production • Establishing forages as part of the operation’s normal crop rotation • 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. 	<p>Grazing Management Plan (2601)</p>




BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with a project
<p>1005 – Grazing Management in Surrounding Uplands</p>  <p>Province wide</p>	<p>60%</p> <p>\$30K</p>	<ul style="list-style-type: none"> Establishment refers to an area under different land use and the native species must be planted <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 Monitoring and management equipment 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>	<p>Grazing Management Plan (2601)</p>
<p>1006 – Improved Stream Crossings</p>  <p>Province wide</p>	<p>60%</p> <p>\$30K</p>	<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 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</p>	<p>Riparian Management Plans (3001) and an Engineering or technical design (1102) may be required if construction occurs within water riparian area</p>





BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with a project
1101 – Erosion Control and Riparian Habitat Structures  Province wide	60% \$30K	<p>with federal, provincial and local government regulations and specifications</p> <ul style="list-style-type: none"> • Contour Terraces (e.g., earthwork, seedbed preparation, seed) • Gully Stabilization/Grassed Waterways (e.g., earthwork, erosion control matting, silt fencing, seedbed preparation, seed, outlet structure) • Bank Stabilization (e.g., bank shaping, revetment, gabions, riprap, crib walls, re-vegetation, blanketing and combinations) • Drop Inlet Structures and In Channel Control (e.g., drop structures) • Improved Infiltration of Concentrated Water Flow (e.g., filter trenches, filter wells, diffusing wells, etc.) • Retention Ponds and Erosion Control Dams (in riparian areas) • 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

BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with a project
		<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>	
<p>1304 – Cover Cropping</p> <p>Province wide</p>	<p>50%</p> <p>\$20K</p>	<ul style="list-style-type: none"> Adapting equipment for seeding such as drill seeder Mechanical crop termination i.e. roller crimpers <p>Ineligible items:</p> <ul style="list-style-type: none"> There will be no ongoing payments for annual seed after initial application Equipment or components directly related to cutting or harvest of forage. 	
<p>2204 – Relocation of livestock facilities and creation of biodiversity enhancements</p>  <p>Province wide</p>	<p>60%</p> <p>\$35K</p>	<p>Construction and installation of nests/nest platforms, protective structures (i.e. cattle guards), to prevent nest relocation</p> <ul style="list-style-type: none"> 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>	<p>Biodiversity Plan 2801 with details noted under Relocation of Livestock Facilities described under Practice Codes 0601, and 1005</p>
<p>2204 (A) – Habitat Structures and Enhancement</p>  <p>Province wide</p>	<p>60%</p> <p>\$2.5K</p>	<p>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:</p> <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. 	
<p>2206 – Hay land Management to Enhance Wildlife Survival</p>  <p>Province wide</p>	<p>60%</p> <p>\$1.5K</p>	<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>	
<p>2207 – Creating Pollinator Habitat</p>  <p>Province wide</p>	<p>60%</p> <p>\$5K</p>	<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 	

BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with a project
		<ul style="list-style-type: none"> 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. 	
2208 – Creation of Corridors for Connecting Habitat   Province wide	60% \$20K	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. Eligible costs: <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 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 	Biodiversity Plan 2801




Improving Management of Nutrients (manure and wastewater)	
Practice Codes: <ul style="list-style-type: none"> 0105 – Assessment and monitoring of existing manure storages 0201 – Treatment systems for solid or liquid manure 	<ul style="list-style-type: none"> 0301 – Improved land application of manure 1701 – Recycling of wastewater streams 3203 – Improved fertilizer application technology





BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project
0105 – Assessment and monitoring of existing manure storage infrastructure    Province wide, poultry and livestock only	50% \$5K	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 	


BMP Category Practice Code Target Area and Commodity	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project
<p>0201 – Treatment systems for solid or liquid manure</p>  <p>Province wide, poultry and livestock only</p>	<p>40% \$60K</p>	<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) Nutrient recovery as a backend to a biogas system Centrifuges Nutrient upgrading equipment that is directly associated with the nutrient recovery system Interconnections that support nutrient recovery systems, e.g., piping, electrical, reception units <p>Ineligible items:</p> <ul style="list-style-type: none"> New solid or liquid manure storage facilities Modifications to existing facilities which would increase their capacity, including new or modified reception pits Nutrient recovery supporting infrastructure, e.g., concrete pads, roofs, buildings <p>Note: For composting of manure see 0803 For non-manure wastewater treatment see 1701</p>	<p>Nutrient Management Plan (NMP) (2401 A or B)</p>
<p>0301 – Specific equipment components for land application of agricultural by-products</p>  <p>Province wide</p>	<p>30% \$30K</p>	<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>	
<p>1701 – Recycling of wastewater streams</p>  <p>Province wide</p>	<p>30% \$20K</p>	<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 	
<p>3203 – Specific equipment components for land application of fertilizer.</p>  <p>Province wide</p>	<p>30% \$20K</p>	<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 	

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		and or placement of commercial fertilizer for the new applicator will be eligible. This will be determined on a case-by-case basis	




Agricultural Input & Waste (Residuals) Management	
Practice Codes: <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) 	<ul style="list-style-type: none"> 0805 – Wood residue management (chippers or forced air burners) 0806 - Plastics compactor equipment (New for 2022) 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)




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
0801(B) –Improved on-farm fuel storage  Province wide	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 Ineligible items: <ul style="list-style-type: none"> Roof and containment for a double walled tank 	
0801(C) – Improved on-farm pesticide storage  Province wide	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 Ineligible items: <ul style="list-style-type: none"> Locks, vent, and signage (minimum legislative requirement) Construction or purchase of a storage building or structure 	
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	
0802 (A) Province wide, poultry only	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 	
0802 (B) Province wide	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 	
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 	Technical or engineering design (0804) may be required

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
 Province wide		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	
0805 – Wood residue management  Province wide	30% \$10K	<ul style="list-style-type: none"> On-farm or portable chippers or forced air assistance burners. Ineligible items: Rental or contracted services for wood residue management unless project is part of a group based EFP. Note: Burners must meet the conditions and appropriate air emission standards of the BC Ministry of Environment and Climate Change Strategy	
New for 2022 0806 - Plastics compactor equipment Restricted to PRRD, RDFFG, and FVRD	50% \$2K	Eligible BMPs and Costs <ul style="list-style-type: none"> Pre-built or manufactured plastics compactors Materials and equipment to build compactor using pre-existing plans (ex. https://cleanfarms.ca/wp-content/uploads/2022/07/FCP-Ag-Plastic-Compactor-Design-Drawings.pdf) Ineligible Costs <ul style="list-style-type: none"> Equipment or materials not related to plastics compacting in identified regions. 	
1601 – Improved Pest Management Equipment  Province wide		Alteration or purchase of new or alternations to pesticide application equipment and purchase mowing equipment to reduce pesticide use. <ul style="list-style-type: none"> Application must describe how the new equipment provides an improved or incremental benefit. Ineligible items: Funding will not be provided to assist with the control of non-wildlife, pest species that are commonly found on farms and ranches in BC	
	50% \$1.5K	1601 (A) Alterations to sprayers	
	30% \$10K	1601 (B) New Sprayers	
	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. 	
1602 – Information Collection & Monitoring  Province wide	30% \$5K	<ul style="list-style-type: none"> Equipment & materials such as prediction, trapping devices and sampling equipment Ineligible items: Pest management practices common to the industry and well understood will not be funded	

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
<p>3202 – Precision guidance applications (GPS)</p>  <p>Province wide</p>	<p>30%</p> <p>\$10K</p>	<p>Precision farming applications that reduce input application and overlap of fertilizer, pesticides or organic residuals (manure/compost)</p> <ul style="list-style-type: none"> • GPS guidance systems and installation • On-line field mapping equipment • On-line input application control systems guided by high resolution electronic field maps and GPS <p>Ineligible items:</p> <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 equipment • Annual subscription fees 	

Irrigation Water Management	
Practice Codes: <ul style="list-style-type: none"> 1802 – Weather stations or improved irrigation system management control components 1804 (A) – Irrigation infrastructure improvements 1804 (B) – Irrigation Infrastructure Improvement -mainline 1805 – Irrigation system replacement or upgrade 	<ul style="list-style-type: none"> 1806 – Improved irrigation water conveyance (ditch to pipe) 1807 – (NEW for 2022) Rehabilitation and upgrades of agricultural dams and reservoirs. 1808 (New for 2022) Water meters and other flow measuring devices on farm 1809 – (New for 2022) New irrigation system


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
1802 – Weather stations or improved irrigation system management control components  Province wide	50% \$5K	Irrigation scheduling equipment such as soil moisture sensors and moisture meters <ul style="list-style-type: none"> 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 and Food unless otherwise notified. Ineligible items: Labour to install systems or improvements to systems	
1804 (A) - Irrigation Infrastructure Improvement- nozzles, gaskets, sprinklers, suction screens and intake pipes  Province wide	50% \$12.5K	An existing operational irrigation system must be in place <ul style="list-style-type: none"> 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 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 Ineligible items: <ul style="list-style-type: none"> Used irrigation systems parts Irrigation systems under glass or poly greenhouses or enclosures 	
1804 (B) - Irrigation Infrastructure Improvement – mainline  Province wide	50% \$12.5K	An existing operational irrigation system must be in place <ul style="list-style-type: none"> 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 Ineligible items: <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.

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
<p>1805 - Irrigation System Replacement or upgrade</p>  <p>Province wide</p>	<p>30% \$20K</p>	<p>An existing operational irrigation system must be in place</p> <ul style="list-style-type: none"> • 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. • Irrigation management plan (2901) must indicate how and to what level irrigation water use efficiency will be increased for the entire irrigation system • Irrigation system design must be certified by a Certified Irrigation Designer through the Irrigation Industry Association of BC (IIABC) <p>Ineligible items:</p> <ul style="list-style-type: none"> • Used irrigation systems, unless purchased from an authorized irrigation supplier and certified by a Certified Irrigation Designer through the Irrigation Industry Association of BC (IIABC) (https://www.irrigationbc.com/irrigation/certifications/search/) • Electrical system 	<p>Refer to General Policy Statement 24 for information required with the project application. All applications will be reviewed on a merit-based approach.</p>
<p>1806 - Irrigation System Improvement – Conveyance (ditch to pipe)</p>  <p>Eligible 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</p>	<p>50% \$10K</p>	<ul style="list-style-type: none"> • This category is solely for replacing a ditched irrigation supply to a piped irrigation supply • An existing conveyance ditch authorized by a water licence must be in place • The Ministry of Forests (FOR) must be informed of change in the diversion and associated works 	<p>Refer to General Policy Statement 24 for information required with the project application.</p>
<p>New for 2022</p> <p>1807 - Rehabilitation and upgrades of agricultural dams and reservoirs.</p>  <p>Province wide</p>	<p>50% \$25K</p>	<p>Dams that the Dam Safety Section from the Ministry of Forests (FOR) has ordered not to be filled until upgrade/repairs have been completed to meet regulatory requirements.</p> <ul style="list-style-type: none"> • Machinery cost • Construction materials • Spillway • Head gate and/or valves • Piping through dam or siphon <p>Ineligible items:</p> <ul style="list-style-type: none"> • Water used for non-agricultural purposes • Used equipment • Water distribution system • Dams designed to be less than 7.5 meter in height and to hold less than 10,000 cubic meters of water <p>Note: Photo evidence of before and after conditions must be provided with claim</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
New for 2022 1808 – Water meters or other flow measuring devices Province Wide	50% \$5K	Must be required by Ministry o Forests (FOR) to be eligible. Purchase and installation of new meters or other flow measuring devices <ul style="list-style-type: none"> • Materials costs • Labour costs • Valves • Piping through hookup Ineligible items: <ul style="list-style-type: none"> • Replacement of existing water meters or other flow measuring devices 	
New for 2022 1809 – New irrigation system Province Wide	30% \$20K	<ul style="list-style-type: none"> • Proof of water license must be provided • Wheeline or centre pivot irrigation systems for forage crops, and drip for horticultural crops to achieve best water application efficiency possible. • New irrigation system must be identified in an irrigation management plan. • Irrigation management plan (2901) must indicate how and to what level irrigation water use efficiency will be achieved for the entire irrigation system • Irrigation system design must be certified by a Certified Irrigation Designer through the Irrigation Industry Association of BC (IIABC) Ineligible items: <ul style="list-style-type: none"> • Used irrigation systems, unless purchased from an authorized irrigation supplier and certified by a Certified Irrigation Designer through the Irrigation Industry Association of BC (IIABC) (https://www.irrigationbc.com/irrigation/certifications/search/) • Electrical system 	Refer to General Policy Statement 24 for information required with the project application. All applications will be reviewed on a merit-based approach.

Proposal Based Applications


Practice Codes: 3501 – Creative environmental 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 Regenerative Agriculture Solutions  Province wide	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.	



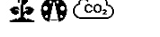
Planning, Technical Assessments and Engineered Designs





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

<p>Basic Plans (100% up to identified limit)</p> <ul style="list-style-type: none"> 2401 (A) – Nutrient management planning (Voluntary) (\$3K) 2501 – Integrated pest management planning (\$1K) 2601 – Grazing management planning (\$1K) 2801 – Biodiversity planning (\$3K) 2901 – Irrigation management planning (\$1.5K) 2902 – Storm water or drainage management plans (\$3K) 3001 – Riparian management planning (\$1.5K) 3401 – Vegetative buffer planning (\$2.5K)
<p>Complex Plans (100% of first \$3K and 80% to max program payment of \$10K)</p> <ul style="list-style-type: none"> 0106 – Engineering or technical design work by a qualified professional (earthen manure storage structure assessment) (As per Section 24: <i>The Code of Practice for Agricultural Environmental Management</i>) 0804 – Engineering or technical design work by a qualified professional (organic residuals - composting) 3301 – Energy Assessments and alternative energy pre-feasibility study completed by a qualified professional
<p>Complex Plans (100% of first \$3K and 50% to max program payment of \$6K)</p> <ul style="list-style-type: none"> 2401 (B) – Nutrient management planning (As per Sections 56 and 57: <i>The Code of Practice for Agricultural Environmental Management</i>)
<p>Basic Designs (100% of first \$5K and 80% to max program payment of \$15K)</p> <ul style="list-style-type: none"> 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) 1703 – (New for 2022) Engineering or technical design or assessment work by a qualified professional (water supply assessment for water licence application)
<p>Intermediate Designs (100% of first \$5K and 80% to max program payment of \$20K)</p> <ul style="list-style-type: none"> 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) 1103 – (New for 2022) Engineering or technical design or assessment work by a qualified professional (water storage dam assessment for water release design plan as required by Dam Safety Regulation)
<p>Complex Designs (50% to \$20K)</p> <ul style="list-style-type: none"> 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
<p>Target Area and Commodity</p> <p>Voluntary Nutrient Management Planning (NMP) - 2401 (A)</p> <p>Consultative services to develop nutrient management plans, planning and decision support tools</p>  <p>Province wide</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)

BMP Category Practice Code Target Area and Commodity	Eligible BMPs and Costs
	<ul style="list-style-type: none"> 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>
<p>Integrated Pest Management Planning - 2501</p> <p>Consultative services to develop integrated pest management plans, planning and decision support tools.</p>  <p>Province wide</p>	<ul style="list-style-type: none"> Up to \$1K per plan IPM consultant must be approved by IAF 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>
<p>Grazing Management Planning - 2601</p> <p>Consultative services to develop range and grazing management plans, planning and decision support tools</p>  <p>Province wide</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>
<p>Biodiversity Management Planning - 2801</p> <p>Consultative services to create a biodiversity management plan</p>  <p>Province wide</p>	<ul style="list-style-type: none"> Up to \$3K per plan. Overall program cap of \$30,000 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>
<p>Water Management Planning</p> <p>2901 - Irrigation Design and Management Plans</p>  <p>Province wide</p>	<ul style="list-style-type: none"> Up to \$1.5K per plan <p>Consultative services by a Certified Irrigation Designer with the Irrigation Industry Association of BC (IIABC) (https://www.irrigationbc.com/irrigation/certifications/search/) to produce an irrigation management plan (IMP)</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 IMP Site investigation by a Certified Irrigation Designer prior to plan and quote preparation Designer to identify areas where maintenance required Certified Irrigation Designer must sign and seal each plan for project to be eligible to program

BMP Category Practice Code Target Area and Commodity	Eligible BMPs and Costs
	<ul style="list-style-type: none"> • Certified Irrigation 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> <ul style="list-style-type: none"> • Note: Limit of two plans per eligible farm operation
<p>Water Management Planning</p> <p>2902 - Water Management Planning (Stormwater or Drainage)</p>  <p>Province wide</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>
<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>  <p>Province wide</p>	<ul style="list-style-type: none"> • Up to \$1.5K 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>
<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>  <p>Province wide</p>	<ul style="list-style-type: none"> • Up to \$2.5K 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

BMP Category Practice Code Target Area and Commodity	Eligible BMPs and Costs
	<ul style="list-style-type: none"> 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>
<p>Complex Plans (100% of first \$3K then 80% of any additional plan costs to a maximum program payment of \$10K associated with first plan)</p>	
<p>Improved Manure Storage and Handling - 0106</p> <p>Engineering or technical design work by a qualified professional (earthen manure storage structure assessment)</p> <p></p> <p>Province wide</p>	<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>The Code of Practice for Agricultural Environmental Management</i> Costs can include site assessment by drilling, analytical costs for soil or water and report preparation <p>Ineligible items:</p> <ul style="list-style-type: none"> Permanent monitoring equipment Leak prevention supplies
<p>Product and Waste Management - 0804</p> <p>Engineering or technical design work</p> <p></p> <p>Province wide</p>	<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 <p>Ineligible items:</p> <ul style="list-style-type: none"> Construction materials Monitoring equipment
<p>Carbon Dioxide (CO₂) Emission Reduction - 3301</p> <p>Energy Assessments and alternative energy pre-feasibility study completed by a qualified professional</p> <p></p> <p>Province wide</p>	<ul style="list-style-type: none"> Consultative services for on-farm energy efficiency assessment, and alternative energy assessments or pre-feasibility studies. Energy assessments for energy efficiency or for alternative energy assessments Alternative energy pre-feasibility assessments Assessments must be carried out by a contracted professional
<p>Complex (100% of first \$3K then 50% of any additional plan costs to a maximum program payment of \$6K associated with first plan)</p>	
<p>Regulatory Nutrient Management Planning (NMP) - 2401 (B)</p> <p>Consultative services to develop nutrient management plans, planning and decision support tools</p> <p>Designated for Nutrient Management Planning (As per Sections 56 and 57: <i>The Code of Practice for Agricultural Environmental Management</i>)</p> <p></p> <p>Province wide</p>	<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 <p>Note: Raw nutrient data – free of farm identification – will be collected for environmental health indicators reporting purposes</p>

BMP Category Practice Code Target Area and Commodity	Eligible BMPs and Costs
Basic Designs (100% of first \$5K and 80% to a max program payment of \$15K)	
<p>Manure Treatment - 0204</p> <p>Engineering or technical design work</p>  <p>Province wide</p>	<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
<p>Farmyard Runoff Control / Storm Water Management - 0503</p> <p>Engineering or technical design work</p>  <p>Province wide, livestock only</p>	<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
<p>Relocation of Livestock Confinement - 0603</p> <p>Engineering or technical design work</p>  <p>Province wide</p>	<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
<p>Nutrient Recovery from Wastewater - 1702</p> <p>Engineering or technical design work</p>  <p>Province wide</p>	<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
<p>New for 2022</p> <p>Engineering or Technical Design or Assessment</p> <p>1703 – Water Supply Assessment for Water Licence Application</p> <p>Engineering or technical design or assessment by an accredited engineering consultant or a qualified professional in accordance with federal, provincial, and local government regulations and specifications</p>  <p>Province wide</p>	<ul style="list-style-type: none"> 100% of first \$5K and 80% to max program payment of \$15K Must be required by the Ministry of Forests (FOR) as part of the water licence application Eligible projects include assessment of Environmental Flow Needs (EFN) for surface water or groundwater licence applications with an agricultural water use purpose Engineering or technical design work must be conducted by a qualified professional <p>Ineligible: Water supply assessment that is not required by the Ministry of Forests (FOR)</p> <p>Note: Limit of one assessment per eligible farm operation</p>
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)	
<p>Riparian Area Management - 1007</p> <p>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</p>  <p>Province wide</p>	<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

BMP Category Practice Code Target Area and Commodity	Eligible BMPs and Costs
<p>Erosion Control / Water Storage Structures (Riparian) - 1102</p> <p>Engineering or technical design by an accredited engineering consultant or a qualified professional in accordance with federal, provincial, and local government regulations and specifications</p>  <p>Province wide</p>	<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
<p>New for 2022</p> <p>Water storage dam assessment and water release design plan (as required by Dam Safety Regulation) – 1103</p> <p>Engineering or technical design or assessment by an accredited engineering consultant or a qualified professional in accordance with federal, provincial, and local government regulations and specifications</p>  <p>Province wide</p>	<ul style="list-style-type: none"> • Must be required by the Ministry of Forests (FOR) to be eligible. • Eligible projects include assessment and design of any storage structures (i.e., culverts, dams, spillway) for licensed water storage structures with an agricultural purpose on the water license • Focus of engineering or technical design should be on works directed by dam safety assessment
Complex Designs (50% to \$20K)	
<p>Methane (CH₄) Emission Reduction - 3102</p> <p>Engineering design work or technical feasibility studies</p>  <p>Province wide</p>	<ul style="list-style-type: none"> • This practice code is designated as to be used when feasibility studies are required prior to the implementation of practice code 3101-1 • This practice code will stand alone if project does not proceed for economic, technical, or environmental reasons
<p>Carbon Dioxide (C₂O) Emission Reduction - 3309</p> <p>Engineering or technical design work or technical feasibility studies</p>  <p>Province wide</p>	<ul style="list-style-type: none"> • Option to utilize engineering or technical design in advance of 3303, 3304-1 • This practice code will stand alone if project does not proceed for economic, technical, or environmental reasons
Complex Plans (100% of first \$10K then 70% of any additional plan costs to a maximum program payment of \$50K)	
<p>New for 2022</p> <p>Feasibility studies for the installation of biogas systems - 0205</p> <p>Consultative services to develop pre-feasibility, technical feasibility, or Engineering design work for on-farm biogas systems.</p> <p>Projects must either reduce agricultural carbon dioxide emissions or reduce the concentration of CO₂ in the atmosphere</p>  <p>Province wide</p>	<ul style="list-style-type: none"> • Eligible projects include: <ul style="list-style-type: none"> • assessment through feasibility studies and design of biogas systems to be integrated into on-farm waste management systems • Engineering or technical design report and drawings to facilitate construction of biogas systems • Focus of engineering or technical design should be on biogas systems and associated required infrastructure. Recovery of nutrients may be included if it is required to meet regulated Nutrient Management Planning. • Estimated costs associated with development of studies or design must be submitted for review and approval <p>Ineligible items:</p> <ul style="list-style-type: none"> • Feasibility studies should not include the costs and infrastructure for standalone manure storage systems