

## The Canada-British Columbia Environmental Farm Plan Program

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

## Beneficial Management Practices Program

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

### Application Steps

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

ARDCORP (B.C. Agricultural Research & Development Corporation)  
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# General Policy Statements and Conditions for BMP Program

The following lists of Beneficial Management Practices and Policy are for the Program Year 2019/2020, (to March 31, 2020). 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.
- 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 considered to be "linked" and the planning BMP must be completed and submitted prior to beginning a project. Concurrency of planning and/or technical assessment may be allowed for projects that are not contingent on a final design for the project construction activity or may be waived at the discretion of the Program Manager. All Planning BMPs require prior approval.

2. **Date:** Funding is designated to change practices on existing farm or ranch operations where an undesirable environmental risk(s) has been identified in the EFP. It is not designed for the development of new farm or ranch operations or to incent a change in enterprise type. The practice to be changed must have been in existence on the operation at the time of completion of the Environmental Farm Plan. The BMP funding is designated to make necessary changes to existing operations or practices that are impacting water quality, quantity or climate change.

3. **Farm Cap:** Overall farm cap for BMP Program remains at \$70K for any farm that has or is participating in the Canada-BC Environmental Farm Plan Program. Those operations that participated in the BMP program under the Agricultural Policy Framework, Continuity Year, Growing Forward, or Growing Forward 2 Agreements which have not reached the \$70K farm cap can continue to access the program until such time as their farm cap has been reached.

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

5. **Number of project applications:** Eligible farm or ranch operations are limited to two project or equipment related BMP applications per year per eligible farm enterprise. Planning, Technical Assessments or Engineered Designs which are necessary prior to the completion of a construction project are not included in this total.

6. **Project justification:** *The merits of each project will be considered*, so the following must be included with the BMP project application:

- What environmental issue is being addressed by this project?
- How will this project resolve the environmental issue?

7. **Funding of partial projects:** Funding for partial projects *will be evaluated on a case-by-case basis* and are eligible only when the partial projects, on their own, achieve significant environmental risk reduction. Requests for consideration must include justification or evidence of regulatory agency documentation which may have delayed project completion.

8. **Equipment:** Funding may be provided for the environmental enhancing components (incremental costs) of new or existing equipment. This is based on a project justification, cost estimates and may be subject to a technical review by appropriate experts. Equipment (e.g., mowers, sprayers, spreaders, wood residue grinders, etc.) purchases must only be new equipment or if used, they must be from a recognized and reputable farm equipment dealer that indicates the equipment has been reconditioned and is in good working order.
9. **Planning or Technical Design BMP Applications and Reports:** A detailed quote and CV are required from the preparer of the plan or design. The subsequent invoice will be required from a contractor who is proposed to complete or has completed the work. The quote and invoice should include itemized charges for consulting services and costs (i.e., hours, testing, and travel). Reports must clearly indicate issue(s) requiring action and the recommended actions or equipment required to achieve the desired agri-environmental outcomes (e.g., type of equipment currently in place and recommended new equipment).
10. **Engineering or Technical Design:** A detailed quote and CV are required from the preparer of the design unless the design is stamped by a qualified professional. For projects that require an engineering or technical design, the design work must be carried out by a qualified professional or by an individual with demonstrated training and experience. Engineering or technical design work may be an eligible cost as a standalone item. Engineering or design costs should be included as part of the BMP costs or as a stand-alone for structures that require engineering approval (i.e., structures, roofs, etc.).

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

**If there is no regulatory requirement for the engineering or technical designed to be carried out by a qualified professional,** the technical design maybe carried out by an individual who has suitable education, experience, accreditation and knowledge, and may be reasonably relied on to provide advice within his or her area of expertise.

11. **Application requirements:**
  - Cost estimates or quotes are required for all projects.
  - 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 dependents 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 in a farm's inventory, or products produced on the farm and contributed to the project by the applicant.
  - ii. 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 for in-kind contributions, accurate estimates must be reflected in the total project cost submitted with the project application. **All proposed use of in-kind labour and equipment must be identified on the initial BMP project application.** Refer to the BMP Application Form for more details. *ARDCorp will make a final determination, on what the number of hours and a reasonable rate is for the hours claimed, based on the BMP being implemented and the nature of the work performed.*

14. **Fencing costs (all fences):** The maximum amount of eligible costs for materials, labour and equipment is \$20.00 (at 60% cost share = \$12.00 from the program) per meter. This is regardless of whether the fence is installed by the applicant or by a fencing contractor. In kind labour and equipment for producer installed fencing will be reviewed for applicant installed fences. In-kind will be limited to 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 to 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 discuss the project with their Planning Advisor and/or ARDCorp Program staff
- Applicants and Program staff must agree that a pooled project may be the most appropriate and cost-effective approach to developing the BMP.
- All applicants will obtain all necessary regulatory approvals, including any required environmental assessment as a group.
- Applicants will apply for Canadian Agricultural Partnership BMP funding based on actual individual costs of the total project.
- Applications and invoices for pooled projects must clearly indicate the participants in the project and the share of the total project cost each applicant is responsible for.

17. **Project initiation:** Projects will be considered ineligible for funding if any portion 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 and the funding will then be reallocated to other projects.

- Equipment purchases, and / or small capital infrastructure projects will be given 90 days for completion.
- Large capital, irrigation system or construction projects will be given 140 days for completion.

If a project extension is required, the applicant may request written approval by program administration to extend their project work beyond the deadline date. 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. **Caps and Cost Shares for BMP Categories:** These are valid for the 2019-2020 BMP Program Year; however, they are subject to revision.

20. **Evidence of payment:** The program requires a paid company invoice(s) showing the amount as fully paid and the contact information for the invoicing company, cancelled cheque with invoice, or credit card transaction as evidence of payment.

21. **Cancelled Projects:** Any projects cancelled by 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.

22. **Livestock Premises ID:** The Ministry of Agriculture 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, please visit the Ministry’s website at [www.gov.bc.ca/premisesidprogram](http://www.gov.bc.ca/premisesidprogram) or email [BCPID@gov.bc.ca](mailto:BCPID@gov.bc.ca) or call (Toll Free) 1-888-221-7141 or (604) 556-3001 to register your premises.

23. **Irrigation Projects Category 18:** Additional project description details are required for projects within – Practice Codes 1804, 1805 and as applicable (✓) for 1806 in order to fully evaluate these projects. All Irrigation applications will be evaluated on a merit-based ranking system. Each application must include all the applicable information identified below:

- 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 (the percentage increase must be noted in an irrigation management plan)
- Water delivery energy source (i.e., if pumped indicate fuel type, or gravity or purveyed)
- Water source (e.g., surface, ground, purveyed or other)
- Evidence of Water License or application (if surface or ground water) ✓
- Environmental sensitivity of the water source (i.e., sensitive stream or sensitive aquifer) ✓
- An identification of any critical habitat for federally listed species at risk associated with water source and/or project location ✓
- A quote for all project components linked to the certified irrigation management plan description ✓

The merit-based ranking system is structured as follows:

<u>Indicator/component</u>	<u>Maximum Point Value</u>
• Design flow efficiency in relation to peak flow rate .....	10
• Application and water used efficiency improvement.....	50
• Energy efficiency of system .....	10
• Water source .....	10
• Environmental sensitivity of water source.....	10
• Impact on critical habitat .....	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.

24. **Nutrient Management Plans (NMP) (Practice Codes 2401 A and B):** Farm or ranch operations that have completed a NMP prior to February 28<sup>th</sup>, 2019 and after April 1, 2016 are only eligible for funding under these practice codes if their NMP no longer meets the “in-force” Sections of the *Code of Agricultural Practice for Environmental Management* (BC Reg 8/2019). Operations that have not previously completed a NMP are eligible to access these practice codes if all other BMP Program eligibility requirements are met.

25. **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

page 10

Practice Codes	Practice Description	Pg
0403	In barn electrostatic dust precipitators	10
1901	Establishment of vegetative shelterbelts, buffers or hedgerows	10
2205*	Establishment of vegetative shelterbelts, buffers or hedgerows (biodiversity)	11
3101-1 / 3101-2	Covered manure storage (for enclosed – methane capture)	11
3101-3	Feed additives to manage enteric fermentation in ruminants	11
3201	Improved drainage on intensively managed forage	12
3302-1	Replacement of fossil fuel driven engines with electric motors	12
3302-2	Power line extension	12
3302-3	Replacement of fossil fuel driven engines with electric battery pack	12
3303	Alternative energy technology	12
3304	Replacement of fossil fuel dependent space heating with renewable energy source	13
3305	Low disturbance placement of seed and fertilizer	13
3307	Thermal energy efficiency improvements	13
3308	Lighting efficiency improvements	14
3310	Energy monitoring and controls	14

### Improving Land, Water Quality and Enhancing or Protecting Biodiversity\*

page 14

Practice Codes	Practice Description	Pg
0501	Storm water/runoff management around confined livestock facilities	14
0601	Relocation of livestock confinement (water)	15
0704	Wintering site management	15
0901	Abandonment of water wells	15
0902	Protection of existing wells	15
0903	Construction of new agricultural water storage dams	15
0904	Construction of new dugouts for farm water use	15
0905	Installation of roof rainwater harvesting systems for farm water use	16
1001	Alternative watering systems for livestock (riparian)	16
1002	Riparian habitat establishment	17
1003	Fencing to improve grazing and improve riparian condition and function	17
1004	Native range restoration or establishment	18
1005	Grazing management in uplands surrounding riparian area	18
1006	Improved stream crossings (riparian)	18
1101	Erosion control and riparian habitat structures	19
2201*	Alternative Watering systems for livestock (biodiversity)	20
2202*	Improved grazing systems – cross fencing	20
2203*	Improved stream crossings (biodiversity)	20
2204*	Relocation of livestock confinement (biodiversity)	20
2206*	Protection of wildlife (flushing bars)	21
2207*	Creation of pollinator habitat	21

**Improving Management of Nutrients (manure and waste water)****page 21**

Practice Codes	Practice Description	Pg
0105	Assessment and monitoring of existing manure storages	21
0201	Manure treatment systems	21
0301	Improved land application of manure	22
1701	Recycling of waste water streams	22
3203	Improved fertilizer application technology	22

**Agricultural Input & Waste (residuals) Management****page 22**

Practice Codes	Practice Description	Pg
0802 (A/B/C)	Improved residuals management (mortalities / pruning's / on farm processing)	22
0803	Composting of agricultural wastes (residuals)	23
0805	Wood residue management (chippers or forced air burners)	23
1601 (A/B/C)	Improved pesticide management (sprayers / movers)	23
1602	Pest monitoring to enhance pest management planning	23
3202	Precision guidance applications (GPS – management of nutrients/pesticides/residuals)	24

**Irrigation Water Management****page 24**

Practice Codes	Practice Description	Pg
1802	Weather stations or improved irrigation system management tools	24
1804	Irrigation infrastructure improvements - intensive systems	24
1805	Irrigation system replacement	25
1806	Improved irrigation water conveyance (ditch to pipe)	25

**Proposal based applications****page 25**

Practice Codes	Practice Description	Pg
3501	Creative environmental solutions (Innovation)	25



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

<b>Basic Plans (100% up to identified limit)</b>			
<b>Practice Codes</b>	<b>Practice Description</b>	<b>Funding Limit</b>	<b>Pg</b>
2401 (A)	Nutrient management planning – completed by experienced person (As per Section 56: <i>Code of Agricultural Practice for Environmental Management</i> )	\$2K	27
2501	Integrated pest management planning	\$1K	27
2601	Grazing management planning	\$1K	27
2801	Biodiversity planning	\$2K	27
2901	Irrigation management planning	\$1.5K	27
2902	Storm water or drainage management plans	\$3K	28
3001	Riparian management planning	\$1K	28
3401	Vegetative buffer planning	\$2K	28

<b>Complex Plans (100% of first \$3K and 80% to max \$10K)</b>		
<b>Practice Codes</b>	<b>Practice Description</b>	<b>Pg</b>
0106	Engineering or technical design work by a qualified professional (earthen manure storage structure assessment as per Section 24: <i>Code of Agricultural Practice for Environmental Management</i> )	29
0804	Engineering or technical design work by a qualified professional (organic residuals - composting)	29
2401 (B)	Nutrient management planning – completed by qualified professional (As per Section 57: <i>Code of Agricultural Practice for Environmental Management</i> )	29
3301	Energy Assessments completed by qualified professional	29

<b>Basic Designs (50% to \$10K)</b>		
<b>Practice Codes</b>	<b>Practice Description</b>	<b>Pg</b>
0204	Engineering or technical design work by a qualified professional (manure treatment)	29
0503	Engineering or technical design work by a qualified professional (confined livestock area runoff)	29
0603	Engineering or technical design work by a qualified professional (confined livestock relocation)	30
1702	Engineering or technical design work by a qualified professional (wastewater – nutrient recovery)	30

<b>Intermediate Designs (100% to \$5K and 80% to \$20K)</b>		
<b>Practice Codes</b>	<b>Practice Description</b>	
1007	Engineering or technical design work by a qualified professional (riparian areas out of water)	30
1102	Engineering or technical design work by a qualified professional (riparian areas in water)	30

<b>Complex Designs (50% to \$20K)</b>		
<b>Practice Codes</b>	<b>Practice Description</b>	
3102	Engineering or technical design work or technical feasibility studies (methane emission reduction)	30
3309	Engineering or technical design work or technical feasibility studies (carbon dioxide emission reduction)	30

## Reducing Impacts on Air Quality and Climate Change

**Practice Codes:**

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|---|--|
| <ul style="list-style-type: none"> <li>• 0403 – In barn electrostatic dust precipitators</li> <li>• 1901 – Establishment of vegetative shelterbelts, buffers or hedgerows</li> <li>• 2205* – Establishment of vegetative shelterbelts, buffers or hedgerows (*biodiversity enhancement)</li> <li>• 3101-1/3101-2 – Covered manure storage (enclosed – methane capture)</li> <li>• 3101-3 – Feed additives to manage enteric fermentation in ruminants</li> <li>• 3201 – Improved drainage on intensively managed forage</li> <li>• 3302-1 – Replacement of fossil fuel driven engines with electric motors</li> </ul> | <ul style="list-style-type: none"> <li>• 3302-2 – Power line extension</li> <li>• 3302-3 – Replacement of fossil fuel driven engines with electric battery pack</li> <li>• 3303 – Alternative energy technology</li> <li>• 3304 – Replacement of fossil fuel dependant space heating with renewable energy source</li> <li>• 3305 – Low disturbance placement of seed and fertilizer</li> <li>• 3307 – Thermal energy efficiency improvements</li> <li>• 3308 – Lighting efficiency improvements</li> <li>• 3309 – Engineering or technical design work or technical feasibility studies (air quality or energy)</li> <li>• 3310 – Energy monitoring and controls</li> </ul> |
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BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with, a project	Target Area and Commodity
<b>In Barn Improvements (04)</b>				
0403 - Electrostatic Precipitators for dust control in fully enclosed livestock housing facilities	50%  \$15K	<ul style="list-style-type: none"> <li>• Eligible project expenses include the Electrostatic Precipitators systems and associated power supplies, equipment for specialized modifications to existing equipment for installation of Electrostatic Precipitators system;</li> <li>• Installation of equipment must be completed by a qualified professional</li> </ul> <p><b>Ineligible items:</b> Maintenance of the electrostatic precipitators after installation</p>		<b>Province wide poultry only</b>
<b>Buffer, Hedgerow and Shelterbelt Establishment (19)</b>				
1901 - Establishment of vegetative shelterbelts, buffers or hedgerows  <span style="color: red;">Applicants can choose to do either Practice Code 1901 or 2205</span>	60%  \$15K	<ul style="list-style-type: none"> <li>• The desired outcome of the shelterbelt, buffer or hedgerow establishment must be identified in the plan and reflected in the proposed design and species mix</li> <li>• Tree materials only for planting around fields and buildings</li> <li>• Buffers and hedgerows can be single or multi-row</li> <li>• Shelterbelts must be multi-row (2 rows minimum)</li> <li>• 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</li> <li>• Renovations or supplemental plantings will be considered</li> </ul> <p><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>• 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</li> <li>• Block or plantation style plantings</li> <li>• Buffer, hedgerow and shelterbelt renovations costs incurred after establishment, or the purchase and relocation of established trees</li> <li>• Buffer, hedgerow and shelterbelt rejuvenation</li> <li>• Landscape quality or landscaping type plantings</li> </ul>	Vegetative Buffer Plan (3401)  A Vegetative Buffer Plan is required for shelterbelt or hedgerow plantings in all regional districts of Vancouver Island, the Okanagan and Similkameen Valleys, Thompson-Nicola, Fraser Valley and Metro Vancouver areas	<b>Province wide</b>

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with, a project	Target Area and Commodity
<b>Enhancing Habitat for Species at Risk and Biodiversity (22)</b>				
2205 - Buffer Strips - Native Vegetation and Wildlife Shelterbelt Establishment  Applicants can choose to do either Practice Code 1901 or 2205	60%  \$18K	<ul style="list-style-type: none"> <li>Plant or enhance native vegetation (e.g. non-woody species such as grass, forbs, legumes) to increase buffer width around existing habitats including field margins, riparian areas, dugouts, wetlands, or to connect native grass or woodland parcels</li> <li>Planting appropriate grass, shrub or tree species for improved cover for selected species at risk, re-establishment of a specific plant species at risk, (see Buffer, Hedgerow, and Shelterbelt Establishment described under BMP #1901 and #1902)</li> </ul> <p><b>Ineligible items:</b> See 1901 above for ineligible costs</p>	Biodiversity Management Plan (2801) including details of Vegetative Buffers	Province wide
<b>Methane (CH<sub>4</sub>) Emission Reduction (31)</b>				
3101-1 - Covered manure storage  Projects must reduce methane emissions from agricultural operations by preventing, suppressing or combusting methane (CH <sub>4</sub> )  Applicants can choose to do either Practice Code 3101-1 or 3101-2	30%  \$30K	<ul style="list-style-type: none"> <li>Floating contact cover (whole sheet)</li> <li>Floating contact cover (aggregated sections – rain water cannot be collected)</li> <li>Water collection system and pumps</li> <li>Assessment, design and construction costs are eligible</li> </ul> <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>Roof structures that do not ensure a sealed headspace above the manure or direct contact between the cover and the manure</li> <li>Storage structures for manure and other agricultural wastes</li> <li>Rain water collection systems or pumps or parts of a larger system that are not directly associated with the manure storage cover</li> <li>Open flares</li> <li>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</li> <li>Any infrastructure on a legal property which is not assessed as a farm for tax purposes</li> </ul>	Nutrient Management Plan (2401 B)  Can be supported by engineering or technical design (3102) if required	Province wide Dairy or Hog Producers only
3101-2 - Covered manure storage in combination with methane collection and renewable energy production from collected methane  Applicants can choose to do either Practice Code 3101-1 or 3101-2	30%  \$40K	<ul style="list-style-type: none"> <li>Sealed cover (tent-like structure or self-inflated dome or lid) for anaerobic reactors</li> <li>Floating contact cover (whole sheet) for liquid digester effluent storage</li> <li>Infrastructure related to pasteurization of applicable imported non-agricultural feedstock</li> <li>Methane utilization infrastructure such as biogas boilers, co-gen/micro turbine or biogas clean-up and upgrading equipment</li> <li>Heat exchange system to utilize heat radiated by methane utilization equipment</li> <li>Assessment, design and construction costs are eligible</li> <li>Consultant work related to acquisition of discharge permit under the <i>Environmental Management Act</i> and carbon offset verification and validation</li> </ul> <p><b>Ineligible Items:</b> See 3101-1 for ineligible items</p>	Nutrient Management Plan (2401 B)  Can be supported by engineering or technical design (3102) if required	Province wide Dairy or Hog Producers only
3101-3 - Feed additives to ruminant feed that has a proven effect of reducing enteric fermentation trial	30%  \$5K	Examples of eligible additives for investigation: <ul style="list-style-type: none"> <li>Microbial and/or by-pass protein</li> <li>Ionophores or Red Seaweed (<i>Asparagopsis taxiformis</i>)</li> <li>Dietary fats (may impact milk quality negatively)</li> <li>Implementing practices: One year of funding can be provided to assist producers wishing to utilize feed additives to reduce enteric fermentation</li> </ul>		Province wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with, a project	Target Area and Commodity
		<b>Ineligible Items:</b> Feed efficiency, digestibility or feed additive costs related to non-ruminant animals		
<b>Nitrous Oxide (N<sub>2</sub>O) Emission Reduction (32)</b>				
3201 - Improved drainage on forage corn and forage grass fields as proposed by a water management plan	50% \$10K	<ul style="list-style-type: none"> <li>Additions to existing sub-surface drainage tile systems</li> <li>Cleaning or repair of existing subsurface drainage systems and associated on-farm surface drainage channels</li> <li>Projects must reduce nitrous oxide emissions from agricultural operations by prevention or suppression</li> </ul> <p><b>Ineligible items:</b> Drainage work on parcels not currently in intensive forage grass or forage corn production</p>	Nutrient Management Plan (2401 A or B) and a Water Management Plan (2902)	Strathcona, Comox Valley, Cowichan Valley, Alberni-Clayoquot, Capital, Nanaimo, Metro Vancouver and Fraser Valley Regional Districts
<b>Carbon Dioxide (CO<sub>2</sub>) Emission Reduction (32)</b>				
3302 - 1 Replacement of fossil-fuel-driven motors with electrical motors	30% \$10K	<ul style="list-style-type: none"> <li>High efficiency electrical motors</li> <li>Motors must be rated as energy efficient following "Canada's Energy Efficiency Regulations for Electric Motors"</li> <li>Electrical motors to drive existing PTO equipment and/or any other farm machinery</li> <li>Starters, switch gear and equipment required for connection to electrical grid</li> </ul> <p><b>Additional eligible items for irrigation motors:</b></p> <ul style="list-style-type: none"> <li>High efficient pumping systems</li> <li>Certified designer must sign off on pump efficiency</li> <li>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</li> </ul> <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>Replacement or upgrading of already existing electrical motors</li> <li>Motors not rated as energy efficient following Canada's Energy Efficiency Regulations for Electric Motors</li> <li>Motor supports and shed</li> <li>Labour for pumps and motor installation</li> <li>Pump house construction</li> </ul>	Energy Assessment (3301) and if part of a Category 18 Application a Certified Irrigation Plan (2901) will be required for irrigation motor replacement	Province wide
3302-2 - Power line extension for replacement of fossil-fuel driven motors with electrical motors	30% \$30K	<ul style="list-style-type: none"> <li>On farm power line extension to supply highly efficient electric motors</li> <li>Projects eligible only if linked to an eligible project under Practice Code 3302-1</li> </ul> <p><b>Ineligible items:</b> Funding of power line is only eligible as part of costs to convert to electric from a fossil fuel motor</p>	Energy Assessment (3301)	Province wide
3302-3 - Replacement of fossil-fuel-driven motors with electrical motors	30% \$1K	<ul style="list-style-type: none"> <li>Replacement of fossil fuel driven mobile / hand pruners with pruners operating from rechargeable battery packs</li> </ul>		Province wide
3303 - Alternative energy technology	30% \$30K	<p>Wind, Solar, &amp; On Farm Hydro for powering previously fossil-fuel dependent farm equipment and replacement of diesel generators</p> <ul style="list-style-type: none"> <li>Wind turbines</li> <li>Photovoltaic solar panels</li> <li>Rechargeable batteries</li> <li>Electrical conveyance and connection infrastructure</li> <li>Assessment, design and/or construction</li> <li>On-farm hydro production</li> </ul>	<p>Energy Assessment (3301)</p> <p>Can be supported by engineering or technical design (3309) if required</p>	Province wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with, a project	Target Area and Commodity
		<p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>Projects that will not be replacing fossil-fuel dependent farm activities</li> <li>Projects designed specifically to generate energy for sale</li> </ul>		
3304 - Replacement of fossil-fuel dependent space heating with renewable heating	30% \$30K	<p>Alternate space heating systems to replacement of fossil fuel space heaters</p> <ul style="list-style-type: none"> <li>Solar thermal infrastructure</li> <li>Geothermal infrastructure</li> <li>Heat pumps</li> <li>Biomass boilers</li> <li>Heat exchangers and heat conveyance infrastructure</li> <li>Warm water tanks</li> </ul> <p><b>Ineligible Items:</b> Any warm water tanks, heat exchange and heat conveyance infrastructure that will not be connected to a new renewable heat source</p>	<p>Energy Assessment (3301)</p> <p>Can be supported by engineering or technical design (3309) if required</p>	Province wide
3305 - Low Disturbance Placement of Seed and Fertilizer	30% \$30K	<ul style="list-style-type: none"> <li>Equipment modification on seeding implements for reduced tillage seeding and post seeding implements for low disturbance placement of seed and fertilizer</li> <li>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).</li> <li>Eligible items include: <ul style="list-style-type: none"> <li>Single disc openers (e.g. coulters), residue clearance devices and additional toolbars as required</li> <li>Openers for fertilizer placement on specialized planters and drills</li> <li>Cover crop crimper (if part of a one-pass seeding operation)</li> </ul> </li> <li>Liquid or dry fertilizer placement systems for high residue conditions</li> </ul> <p><b>Note:</b> 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"> <li>For applications where a completely new unit is to be purchased, the application must describe how the new equipment provides improved or incremental benefit</li> </ul> <p><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>Chaff collectors and chaff spreaders installed on combines are not eligible</li> <li>Seed or fertilizer carts or tanks are not eligible.</li> </ul>		Province wide
3307 - Thermal energy efficiency improvements that increase insulation	30% \$30K	<ul style="list-style-type: none"> <li>Thermal curtains and other dividers</li> <li>Improved insulation</li> <li>Management optimization systems</li> <li>Other high priority items as specified in an energy conservation plan (3301)</li> </ul> <p><b>Ineligible items:</b> Thermal dividers and insulation for structures that are not directly related to agricultural production</p>	<p>Energy Assessment (3301)</p>	Province wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to, or concurrent with, a project	Target Area and Commodity
3308 - Lighting efficiency improvements	30% \$10K	<ul style="list-style-type: none"> <li>Low energy lighting equipment</li> <li>Other high priority items as specified in an energy conservation plan 3301</li> </ul> <p><b>Ineligible items:</b> Low energy lighting equipment for structures that are not directly related to agricultural production (e.g., office or garage)</p>	Energy Assessment (3301)	Province wide
3310 - Energy Monitoring and Controls	30% \$10K	<p>Eligible costs include purchase and installation of:</p> <ul style="list-style-type: none"> <li>Electrical / fossil fuel energy metering / monitoring systems</li> <li>Electronic HVAC controls</li> <li>Variable speed blowers and thermostat / temperature controls on grain dryers</li> </ul> <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>Installations on new farm buildings</li> <li>Domestic connections/use</li> <li>Costs normally associated with meeting building code specifications</li> </ul>	Energy Assessment (3301)	Province wide

### Improving Land, Water Quality and Enhancing or Protecting Biodiversity\*

<p>Practice Codes:</p> <ul style="list-style-type: none"> <li>0501 – Storm water/runoff management around confined livestock facilities</li> <li>0601 – Relocation of livestock confinement (water)</li> <li>0704 – Livestock Wintering site management</li> <li>0901 – Abandonment of water wells</li> <li>0902 – Protection of existing wells</li> <li>0903 – Construction of new agricultural water storage dams</li> <li>0904 – Construction of new dugouts for farm water use</li> <li>0905 – Installation of roof rainwater harvesting systems for farm water use</li> <li>1001 – Alternative Watering systems for livestock (riparian)</li> <li>1002 – Riparian habitat establishment</li> </ul>	<ul style="list-style-type: none"> <li>1004 – Native range restoration or establishment</li> <li>1003 – Fencing to improve grazing and improve riparian condition and function</li> <li>1005 – Grazing management in uplands surrounding riparian area</li> <li>1006 – Improved stream crossings (riparian)</li> <li>1101 – Erosion control and riparian habitat structures)</li> <li>2202* – Improved grazing systems – cross fencing</li> <li>2201* – Alternative Watering systems for livestock (biodiversity)</li> <li>2203* – Improved stream crossings (biodiversity)</li> <li>2204* – Relocation of livestock confinement (biodiversity)</li> <li>2206* – Protection of wildlife (flushing bars)</li> <li>2207* – Creation of pollinator habitat</li> </ul>
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BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
<b>Farmyard Runoff Control / Storm water Management (04)</b>				
0501 - Upstream diversion around outdoor confined livestock areas or downstream protection of stewardship areas	50% \$10K	<ul style="list-style-type: none"> <li>Projects may include catch basins, retention ponds, in field diversion works, or constructed wetlands</li> </ul> <p><b>Ineligible items:</b> 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)	Province wide livestock only
<b>Relocation of Livestock Confinement (06)</b>				
0601 - Relocation of livestock facilities	50%	<ul style="list-style-type: none"> <li>Relocation of corrals, paddocks and wintering sites away from riparian areas.</li> </ul>		Province wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
	\$30K	<ul style="list-style-type: none"> <li>Relocation of fences, powerlines, trails or other infrastructure having negative impacts on species at risk.</li> </ul> <p><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>Funding is to be used to move operations away from sensitive surface water, riparian areas, critical wildlife habitat and areas of severe erosion potential</li> <li>Groundwater protection: Proximity to sensitive groundwater is not a rationale for use of this BMP</li> </ul> <p><b>Note:</b> Existing site must be decommissioned</p>		
<b>Wintering Site Management (07)</b>				
0704 - Field access improvements for livestock winter feeding areas	50% \$15K	<ul style="list-style-type: none"> <li>Examples include alleyway / access lane upgrades to improve distribution of feed and manure away from riparian areas or high-risk ground water areas</li> </ul>		Province wide
<b>Water Well Management (09)</b>				
0901 - Well abandonment	50% \$15K	<ul style="list-style-type: none"> <li>For small diameter wells (less than 12 inches) decommissioning by licensed well driller)</li> <li>For larger diameter wells (greater than 12-inch diameter) decommissioning by licensed well driller or producer with technical support)</li> </ul> <p><b>Ineligible Items:</b> New well construction is ineligible</p> <p><b>Note:</b> Photo evidence of before and after conditions must be provided with claim</p>		Province wide
0901 - Well Protection (existing wells)	50% \$7.5K	<ul style="list-style-type: none"> <li>Earthwork at well head or runoff diversion</li> <li>Installation of pitless adaptor</li> <li>Upgrading or maintenance to well head or well casing, fittings, seals and connections to prevent seepage</li> <li>Flow control for artesian wells and backflow prevention</li> <li>Casing extensions to elevate well head</li> </ul> <p><b>Ineligible Items:</b> New well construction is ineligible</p> <p><b>Note:</b> Photo evidence of before and after conditions must be provided with claim</p>		Province wide
0903 – Construction of new agricultural water storage dams	30% \$10K	<p>New earthen dam construction on private land for farm use:</p> <ul style="list-style-type: none"> <li>Machinery cost</li> <li>Construction materials</li> <li>Spillway</li> <li>Head gate and/or valves</li> <li>Piping through dam or siphon</li> </ul> <p>Ineligible:</p> <ul style="list-style-type: none"> <li>Water used for non-agricultural purposes</li> <li>Used equipment</li> <li>Water distribution system</li> <li>Dams designed to be over 7.5 m in height and/or to hold more than 10,000 cubic meters of water</li> </ul> <p>Note: Photo evidence of before and after conditions must be provided with claim</p>	<p>Must have technical design (1102)</p> <p>Water licence is required for water use</p> <p>A storage licence may also be required</p> <p>B.C. Dam Safety Regulations must be followed</p>	Province wide other than Metro Vancouver and Fraser Valley Regional Districts
0904 – Construction of new dugouts for farm water use	50% \$10K	<p>New dugout construction for farm use for collection of water not deemed to be vested under the <i>Water Sustainability Act</i> (Section 5)</p> <ul style="list-style-type: none"> <li>Machinery cost</li> <li>Liner material</li> <li>Pump, intake and associated fittings and controls</li> </ul>	Water Management Plan (2902)	Province wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		<p>Design must follow guidance provided in <i>British Columbia Farm Water Dugouts</i> – October 2016 BC Ministry of Agriculture, 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:</p> <ul style="list-style-type: none"> <li>• Water used for non-agricultural purposes</li> <li>• Used equipment</li> <li>• Water distribution system</li> <li>• Dugouts designed to hold greater than 2500 cubic meters of water</li> </ul> <p><b>Note:</b> Photo evidence of before and after conditions must be provided with claim</p>		
0905 – Installation of roof rainwater harvesting systems for farm water use	30%  \$5K	<p>New roof capture system for the collection of rainwater or snowmelt water not deemed to be vested under the <i>Water Sustainability Act</i> (Section 5)</p> <ul style="list-style-type: none"> <li>• Machinery cost</li> <li>• Above ground storage tanks</li> <li>• Construction materials including foundation pad, tanks, collection pipes, filters, valves and plumbing to the point of final distribution</li> </ul> <p><b>Ineligible:</b></p> <ul style="list-style-type: none"> <li>• Water used for domestic commercial or industrial use</li> <li>• Used equipment</li> <li>• Below ground tanks or cisterns</li> <li>• Any portion of system used to collect waste water or reclaimed water from water treatment system</li> <li>• Water distribution system</li> </ul> <p><b>Note:</b> Photo evidence of before and after conditions must be provided with claim</p>		Province wide
<b>Riparian Area Management (10)</b>				
1001 - Alternative Watering Systems to Manage Livestock	60%  \$30K	<p>For example: solar, gravity-fed, wind, grid or alternative power</p> <ul style="list-style-type: none"> <li>• Pumps</li> <li>• Storage</li> <li>• Power setup from existing power line</li> <li>• Waterlines</li> <li>• Construction</li> <li>• Protective fencing or portable panels</li> </ul> <p><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>• Repair and maintenance of existing riparian pasture management systems and equipment</li> <li>• On-going maintenance costs of existing equipment</li> <li>• Opportunity costs associated with payments for land taken out of production</li> <li>• Installation costs of main electrical service</li> </ul> <p><b>Note:</b> Approval of projects will be contingent upon adherence to all federal, provincial, and municipal guidelines and regulations for project design and implementation.</p>	Riparian Management Plan (3001) an Engineering or technical design may be required (1007) if watering system construction occurs in within the riparian area	Province wide



BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
1002 - Riparian Habitat Establishment	60% \$30K	<p>For example: establishment / planting of adaptable, hardy, permanent native and/or non-invasive introduced species of grasses, forbs, trees and shrubs</p> <ul style="list-style-type: none"> <li>• Pre-planting site preparation and plant purchase costs prior to the year of planting if needed</li> <li>• Establishment year site preparation including weed control, irrigation (trickle or drip), or temporary fencing</li> <li>• Purchase / planting / establishment costs for grasses from certified seed, forbs, trees and shrubs for the year of planting</li> <li>• Development of pollinator habitat</li> <li>• Consultative service for suitable species, composition and maintenance</li> </ul> <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>• On-going maintenance</li> <li>• Costs associated with acquiring / planting invasive plant species</li> <li>• Opportunity costs associated with payments for land taken out of production</li> <li>• Landscape quality or landscaping type plantings</li> <li>• Commercial fruit trees, Christmas trees, ornamentals, afforestation, woodlot establishment and reforestation.</li> <li>• Purchase and relocation of established trees</li> </ul> <p><b>Note:</b> 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>	Riparian Management Plans (3001)	Province wide
1003 - Fencing to Manage Grazing and Improve Riparian Condition and Function	60% \$30K	<p><b>To cover a portion of the costs for:</b></p> <ul style="list-style-type: none"> <li>• 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</li> <li>• Protection of newly established or enhanced riparian buffers (Practice Code 1002)</li> <li>• Temporary Cross fencing to implement rotational, seasonal, rest, swath and extended grazing systems in support of riparian management. Eligible cross fencing will be inclusive of all costs including in-kind labour</li> <li>• Portable electric fencing, set-ups, including solar battery chargers, battery and initial line and post purchases</li> <li>• <b>Cross fencing:</b> 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</li> </ul> <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>• Repair and maintenance of existing riparian pasture management systems and equipment (e.g. can't be used to repair existing fence)</li> <li>• On-going maintenance costs</li> <li>• Opportunity costs associated with payments for land taken out of production</li> </ul> <p><b>Note:</b> Approval of projects will be contingent upon adherence to all applicable guidelines and regulations for project design and implementation</p>	Riparian Management Plans (3001) an Engineering or technical design may be required (1007) if construction other than fencing occurs in riparian area	Province wide
1004 - Native Range and Restoration or Establishment	60% \$30K	<ul style="list-style-type: none"> <li>• Seeding and planting of native plant material (grasses, legumes, forbs, shrubs, and trees) and on-going maintenance of an established or restored site</li> </ul>	Grazing Management Plan (2601)	Province wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		<p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>• Pasture seeding and establishment costs</li> <li>• Pasture renovation</li> <li>• Routine forage management practices</li> <li>• Costs associated with acquiring / planting invasive plant species</li> <li>• Opportunity costs associated with payments for land taken out of production</li> <li>• Establishing forages as part of the operation's normal crop rotation</li> </ul> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• Native vegetation refers to plant species indigenous to the area.</li> <li>• Restoration refers to improving the ecological integrity of disturbed or degraded sites.</li> <li>• Establishment refers to an area under different land use and the native species must be planted</li> </ul>		
1005 - Grazing Management in Surrounding Uplands	60% \$30K	<p>To cover a portion of the costs for:</p> <ul style="list-style-type: none"> <li>• Cross fencing to implement rotational, seasonal, rest, swath, and extended grazing systems</li> <li>• Eligible permanent fencing inclusive of all costs including in-kind labour</li> <li>• Portable electric fencing, set-ups, including solar battery chargers, battery and initial line and post purchases</li> <li>• <b>Cross fencing:</b> 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</li> </ul> <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>• Perimeter fencing</li> <li>• Pasture seeding and establishment costs</li> <li>• Pasture renovation</li> <li>• 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)</li> <li>• On-going maintenance costs</li> <li>• Opportunity costs associated with payments for land taken out of production</li> </ul> <p><b>Note:</b> Approval of projects will be contingent upon adherence to all federal, provincial, and municipal guidelines and regulations for project design and implementation</p>	Grazing Management Plan (2601)	<b>Province wide</b>
1006 - Improved Stream Crossings	60% \$30K	<p>Costs associated with structures that demonstrate improved riparian conditions :</p> <ul style="list-style-type: none"> <li>• new structures</li> <li>• improvements and/or repairs to existing structures</li> <li>• removal or re-location of existing structures</li> <li>• structures may include bridges or culverts</li> </ul> <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><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>• On-going maintenance costs</li> <li>• Stream crossing projects that are associated with a new or expanded agricultural activity– where no crossing has existed previously</li> </ul>	Riparian Management Plans (3001) and an Engineering or technical design (1102) may be required if construction occurs within water riparian area	<b>Province wide</b>

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		<ul style="list-style-type: none"> <li>Projects that include culverts must meet same requirements as bridges in terms of design and regulations</li> </ul> <p><b>Note:</b> 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>		
<b>Erosion Control Structures (Riparian) (11)</b>				
1101 - Erosion Control and Riparian Habitat Structures	60%  \$30K	<ul style="list-style-type: none"> <li><b>Contour Terraces</b> (e.g., earthwork, seedbed preparation, seed)</li> <li><b>Gully Stabilization/Grassed Waterways</b> (e.g., earthwork, erosion control matting, silt fencing, seedbed preparation, seed, outlet structure)</li> <li><b>Bank Stabilization</b> (e.g., bank shaping, revetment, gabions, riprap, crib walls, re-vegetation, blanketing and combinations)</li> <li><b>Drop Inlet Structures and In Channel Control</b> (e.g., drop structures)</li> <li><b>Improved Infiltration of Concentrated Water Flow</b> (e.g., filter trenches, filter wells, diffusing wells, etc.)</li> <li><b>Retention Ponds and Erosion Control Dams</b> (in riparian areas)</li> <li><b>Wetland Restoration</b> –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</li> </ul> <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><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>Systematic tile and other subsurface drainage systems that are not an integral part of erosion control structure</li> <li>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</li> <li>Converting open channels to closed drainage systems</li> <li>Construction of new drainage channels or repair of existing drainage systems (e.g. drainage ditch clean-outs)</li> <li>Costs of tile and installation that exceeds 30 meters for riparian drop inlet structure projects</li> <li>Installation of drop inlets for drainage of ponded surface water (e.g. not associated with an erosion control structure)</li> <li>Header tile systems</li> <li>Tile outlet structures associated with new tile drainage installations</li> <li>Retrieving topsoil from areas of deposition and transporting it upslope to eroded hillsides</li> <li>Construction and land improvement activities not associated with soil erosion control</li> </ul>	Riparian Management Plans (3001) and an Engineering or technical design will be required (1102) when construction occurs within wetted portion of the riparian area or within a stream channel	Province wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		<ul style="list-style-type: none"> <li>There will be no provision for ongoing payments for maintenance of wetlands and/or other infrastructure associated with wetlands</li> <li>Funding in this category will not extend to cover pothole/wetland consolidation or deepening existing functioning wetlands</li> </ul> <p><b>Note:</b> 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>		
<b>Enhancing Habitat for Species at Risk and Biodiversity (22)</b>				
2201 - Alternative watering systems and creation of biodiversity enhancements	60% \$35K	<ul style="list-style-type: none"> <li>Establishment of off-site watering systems for livestock to minimize negative impacts on identified critical habitat for species at risk. (see: "Alternative watering systems to Manage Livestock" described under Practice Code 1001)</li> </ul> <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>Repair and maintenance of existing riparian pasture management systems and equipment</li> <li>On-going maintenance costs of existing equipment.</li> <li>Opportunity costs associated with payments for land taken out of production.</li> <li>Installation costs of main electrical service</li> </ul>	Biodiversity Management Plan (2801) including details of Riparian Management	<b>Province wide</b>
2202 - Improved Grazing Systems – Cross fencing to create biodiversity enhancements	60% \$35K	<ul style="list-style-type: none"> <li>Establishment of fences for improved livestock grazing systems to minimize negative impacts on identified critical habitat. Example grazing systems are rotational, seasonal, rest rotational deferred, and swath. (see: "Grazing Management in Surrounding Uplands" described under Practice Code 1005)</li> </ul> <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>Repair and maintenance of existing riparian pasture management systems and equipment (e.g., can't be used to repair existing fence)</li> <li>On-going maintenance costs</li> <li>Opportunity costs associated with payments for land taken out of production</li> </ul>	Biodiversity Management Plan (2801) including details of Grazing Management	<b>Province wide</b>
2203 - Improved Stream Crossings and biodiversity enhancements	60% \$35K	<ul style="list-style-type: none"> <li>Costs associated with improving or removing stream/creek crossings to improve fish and wildlife critical habitat (see: "Improved Stream Crossings described under Practice Code 1006)</li> </ul> <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>On-going maintenance costs</li> <li>Stream crossing projects that are associated with a new or expanded agricultural activity– where no crossing has existed previously</li> </ul> <p><b>Note:</b> Projects that include culverts must meet same requirements as bridges in terms of design and regulations and maintenance of existing riparian pasture management</p>	Biodiversity Management Plan (2801) including details of Riparian Management	<b>Province wide</b>
2204 - Relocation of livestock facilities and creation of biodiversity enhancements	60% \$35K	<ul style="list-style-type: none"> <li>Construction and installation of nests/nest platforms</li> <li>Construction of nests/nest platforms, protective structures (i.e. cattle guards), to prevent nest relocation</li> <li>Construction of fences, powerlines, trails or other infrastructure having potential negative impacts on identified species at risk or critical habitat (see: "Relocation of Livestock Facilities described under Practice Codes 0601)</li> </ul>	Biodiversity Plan 2801 with details noted under Relocation of Livestock Facilities described under Practice Codes 0601, and 1005	<b>Province wide</b>

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
		<b>Note:</b> Funding is to be used to move operations away from sensitive surface water, riparian areas, critical wildlife habitat and areas of severe erosion potential		
2206 - Hay land Management to Enhance Wildlife Survival	60% \$1.5K	<ul style="list-style-type: none"> <li>Flushing bars on haying/silage cutting equipment to reduce wildlife mortality</li> </ul> <b>Ineligible Items:</b> Equipment or components directly related to cutting or harvest of forage.		Province wide
2207 - Creating Pollinator Habitat	60% \$2.5K	<ul style="list-style-type: none"> <li>Development of pollinator habitat</li> <li>Consultative service for suitable species, composition and maintenance</li> </ul> <b>Ineligible Items:</b> <ul style="list-style-type: none"> <li>On-going maintenance</li> <li>Costs associated with acquiring / planting invasive plant species</li> <li>Opportunity costs associated with payments for land taken out of production</li> <li>Landscape quality or landscaping type plantings</li> <li>Commercial fruit trees, Christmas trees, ornamentals, afforestation, woodlot establishment and reforestation.</li> </ul>		Province wide

### Improving Management of Nutrients (manure and waste water)

Practice Codes:	<ul style="list-style-type: none"> <li>0105 – Assessment and monitoring of existing manure storages</li> <li>0201 – Manure treatment systems</li> </ul>	<ul style="list-style-type: none"> <li>0301 – Improved land application of manure</li> <li>1701 – Recycling of waste water streams</li> <li>3202 – Improved fertilizer application technology</li> </ul>
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BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
<b>Farmyard Improved Manure Storage and Handling (01)</b>				
0105 - Assessment and monitoring of existing manure storage infrastructure	50% \$5K	<ul style="list-style-type: none"> <li>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.</li> </ul> <b>Ineligible items:</b> <ul style="list-style-type: none"> <li>Increased storage facilities</li> <li>Improved features to prevent leaks and spills</li> </ul>	Nutrient Management Plan (NMP) (2401 A or B)	Province wide Poultry and livestock only
<b>Manure Treatment (02)</b>				
0201 - Treatment systems for solid or liquid manure	30% \$40K	<ul style="list-style-type: none"> <li>Dewatering for liquid manure</li> <li>Nutrient and bedding recovery systems for solid and liquid manure</li> <li>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)</li> </ul> <b>Ineligible items:</b> New solid or liquid manure storage facilities or modifications to existing facilities which would increase their capacity  <b>Note:</b> <ul style="list-style-type: none"> <li>For anaerobic digesters see 3101-2</li> <li>For composting of manure see 0803</li> <li>For non-manure waste water treatment see 1701</li> </ul>	Nutrient Management Plan (NMP) (2401 A or B)	Province wide Poultry and livestock only

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
<b>Manure Land Application (03)</b>				
0301 - Specific equipment components for land application of manure	30% \$10K	<p>Projects could include specialized modifications to equipment for improved manure application to land.</p> <ul style="list-style-type: none"> <li>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</li> <li>Liquid manure spreaders: funding may be provided for modification to existing spreaders or a portion of the components of a new spreader. Low trajectory, sleighfoot, band or injection spreading technology is preferred</li> </ul>	Nutrient Management Plan (NMP) (2401 A or B)	Province wide
<b>Nutrient Recovery from Waste Water (17)</b>				
1701 - Recycling of waste water streams	30% \$20K	<ul style="list-style-type: none"> <li>This could include waste water streams from milk houses, fruit and vegetable washing facilities, and greenhouses in order to recover nutrients</li> </ul>	Nutrient Management Plan (NMP) (2401 A or B)	Province wide
<b>Carbon Dioxide (CO<sub>2</sub>) Emission Reduction (32)</b>				
3203 - Specific equipment components for land application of fertilizer.	30% \$20K	<ul style="list-style-type: none"> <li>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</li> </ul>	Nutrient Management Plan (NMP) (2401 A or B)	Province wide

## Agricultural Input & Waste (Residuals) Management

<p>Practice Codes:</p> <ul style="list-style-type: none"> <li>0802 (A/B/C) – improved residuals management (mortalities/pruning's/on-farm processing)</li> <li>0803 – composting of agricultural wastes (residuals)</li> <li>0805 – Wood residue management (chippers or forced air burners)</li> </ul>	<ul style="list-style-type: none"> <li>1601 (A/B/C) - Improved pesticide management (sprayers/movers)</li> <li>1602 – Pest monitoring to enhance pest management planning</li> <li>3202 – Precision guidance applications (GPS – nutrients/pesticides/residuals)</li> </ul>
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BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
<b>Product and Waste Management (08)</b>				
0802 - Improved on-farm storage, handling, and disposal of agricultural waste		<p>Improved storages or handling for livestock mortalities, culled fruit and vegetables, crop residue and wood waste.</p> <p><b>Note:</b> Conditions for specific waste handling practices by sector</p>		
	30% \$3K	<p>0802 (A) Poultry mortality incinerators</p> <ul style="list-style-type: none"> <li>These are eligible if the incinerator uses best available technology and meets appropriate air emission standards</li> </ul>		Province wide Poultry only
	30% \$1.5K	<p>0802 (B) Orchard and vineyard mulching mowers</p> <ul style="list-style-type: none"> <li>Heavy duty mulching mowers for dealing with pruning's. Application must describe how the new equipment provides an improved or incremental benefit</li> </ul>		Province wide
	30% \$25K	<p>0802 (C) On-farm processing</p> <ul style="list-style-type: none"> <li>Improved on-farm storage, handling and disposal where most of the waste material being processed or</li> </ul>	Adhere to Provincial	Province wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		<p>marketed is produced on the farm or most of the output of the processing operation is used on the farm. Waste management from these activities is eligible for funding. Where wastes are not agricultural wastes, the farm must ensure that appropriate authorizations for disposal have been obtained</p> <p><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>Rotary or flail mowers with side discharge or swinging arms that are designed to reduce pesticide use and target grass clipping management (see Cat 1601 for eligibility)</li> </ul>	Regulations. (e.g., Slaughter Regulations apply in animal slaughter facility on-farm)	
0803 - Composting of agricultural waste	30% \$25K	<ul style="list-style-type: none"> <li>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</li> </ul> <p><b>Note:</b> A technical or engineering design (0804) must be completed and included with the project application unless the facility is a preassembled package operation with manufacturer design and operation specifications</p>	<p>Nutrient Management Plan (NMP) (2401 A or B)</p> <p>Technical or engineering design (0804) may be required</p>	Province wide
0805 - Wood residue management	30% \$10K	<ul style="list-style-type: none"> <li>On-farm or portable chippers or forced air assistance burners.</li> </ul> <p><b>Note:</b> Burners must meet the conditions and appropriate air emission standards of the BC Ministry of Environment and Climate Change</p>		Province wide
<b>Improved Pest Management (16)</b>				
1601 - Improved Pest Management Equipment		<p>Alteration or purchase of new pesticide application equipment or alternations and purchase mowing equipment to reduce pesticide use.</p> <p>Application must describe how the new equipment provides an improved or incremental benefit.</p> <p><b>Ineligible:</b> Funding will not be provided to assist with the control of non-wildlife, pest species that are commonly found on farms and ranches in British Columbia</p> <p><b>Note:</b> Must be based on description or directions from a valid IPM (Integrated Pest Management plan</p>		
	30% \$1.5K	1601 (A) Alterations to sprayers		Province wide
	30% \$10K	1601 (B) New Sprayers		Province wide
	30% \$1.5K	<p>1601 (C) Rotary or flail mowers</p> <ul style="list-style-type: none"> <li>These implements must have side discharge or swinging arms that are designed to reduce pesticide use and target grass clipping management.</li> </ul>		Province wide
1602 - Information Collection & Monitoring	30% \$5K	<ul style="list-style-type: none"> <li>Equipment &amp; materials such as prediction, trapping devices and sampling equipment</li> </ul> <p><b>Ineligible:</b> Pest management practices common to the industry and well understood will not be funded</p>		Province wide
3202 - Precision guidance applications (GPS)	30% \$10K	<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"> <li>GPS guidance systems and installation</li> <li>On-line field mapping equipment</li> <li>On-line input application control systems guided by high resolution electronic field maps and GPS</li> </ul>		Province-wide

BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		<b>Ineligible:</b> <ul style="list-style-type: none"> <li>Any precision farming applications in areas where field size and distribution, ditch layout and/or lay of land prevent significant utility form using GPS- guided equipment.</li> <li>Annual subscription fees.</li> </ul>		

## Irrigation Water Management

Practice Codes:

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>1802 – Weather stations or improved irrigation system management tools</li> <li>1804 – Irrigation infrastructure improvements</li> </ul> | <ul style="list-style-type: none"> <li>1805 – Irrigation system replacement</li> <li>1806 – Improved irrigation water conveyance (ditch to pipe)</li> </ul> |
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BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
<b>Irrigation Management (18)</b>				
1802 - Weather stations or improved irrigation system management control components	50% \$5K	<ul style="list-style-type: none"> <li>Irrigation scheduling equipment such as soil moisture sensors and moisture meters</li> <li>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</li> <li>Climate Station data transmission unit – using cell, internet or satellite. Climate stations: must be connected to the Farmwest web site or similar web network as approved by BC Ministry of Agriculture</li> </ul> <b>Ineligible items:</b> Labour to install systems or improvements to systems		Province wide
1804 - Irrigation Infrastructure Improvement	50% \$12.5K	<ul style="list-style-type: none"> <li><b>An existing operational irrigation system must be in place</b></li> <li><b>Proof of existing water license and use of irrigation system in previous cropping year must be provided</b></li> <li>Eligible items include (if identified in plan): <ul style="list-style-type: none"> <li>replacement of aluminum and/or steel mainlines</li> <li>nozzles, gaskets, sprinklers, suction screen, and intake pipes</li> </ul> </li> <li>Irrigation management plan (2901) must indicate how and to what level irrigation water use efficiency will be increased</li> </ul> <b>Ineligible:</b> <ul style="list-style-type: none"> <li>Used irrigation systems parts</li> <li>Irrigation systems under glass or poly greenhouses or enclosures</li> </ul>	Refer to General Policy Statement 23 for information required with the project application. All applications will be reviewed on a merit-based approach.	Province wide
1805 - Irrigation System Replacement	30% \$20K	<ul style="list-style-type: none"> <li><b>An existing operational irrigation system must be in place</b></li> <li><b>Proof of existing water license and use of irrigation system in previous cropping year must be provided</b></li> <li>Any type of irrigation system may be upgraded to improve efficiency.</li> </ul>	Refer to General Policy Statement 23 for information required with the project application. All applications will	Province wide



BMP Category Practice Code	Individual Cost Share & Funding Cap	Eligible BMPs and Costs	Required plans or actions to be completed prior to or concurrent with project	Target Area and Commodity
		<ul style="list-style-type: none"> <li>Upgrades must be identified in an irrigation management plan.</li> <li>Irrigation management plan (2901) must indicate how and to what level irrigation water use efficiency will be increased for the entire irrigation system</li> </ul> <p><b>Ineligible:</b></p> <ul style="list-style-type: none"> <li>Used irrigation systems, unless purchased from an authorized irrigation supplier</li> <li>New systems designed for the purpose of changing cropping system</li> </ul>	be reviewed on a merit-based approach.	
1806 - Irrigation System Improvement – Conveyance Ditch	50% \$10K	<ul style="list-style-type: none"> <li>This category is solely for replacing a ditched irrigation supply to a piped irrigation supply</li> <li>An existing conveyance ditch authorized by a water licence must be in place</li> <li>FLNRORD, Water Management Branch must be informed of change in the diversion and associated works</li> </ul>	Refer to General Policy Statement 23 for information required with the project application.	Eligible areas of the province are the following Regional Districts: Bulkley-Nechako, Fraser-Fort George, Cariboo, Thompson-Nicola, Columbia-Shuswap, North Okanagan, Central Okanagan, Similkameen, Kootenay-Boundary, Central Kootenay, and East Kootenay

### Proposal Based Applications

- Practice Codes:
- 3501 – Creative environmental 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
<b>Innovation (35)</b>				
3501 - Creative Environmental Solutions	30% \$30K	<ul style="list-style-type: none"> <li>This category is open to applications that address projects or situations identified in an EFP but not represented by any other BMP Categories.</li> <li>Applications will be accepted and reviewed on a “proposal driven basis” and be reviewed by an adjudication committee</li> </ul>	Applicable planning, engineering or technical design must accompany application.	Province wide

## Planning, Technical Assessments and Engineered Designs

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

### Basic Plans (100% up to identified limit)

- 2401 (A) – Nutrient management planning – completed by experienced person (As per Section 56: *Code of Agricultural Practice for Environmental Management*) (\$2K)
- 2501 – Integrated pest management planning (\$1K)
- 2601 – Grazing management planning (\$1K)
- 2801 – Biodiversity planning (\$2K)
- 2901 – Irrigation management planning (\$1.5K)
- 2902 – Storm water or drainage management plans (\$3K)
- 3001 – Riparian management planning (\$1K)
- 3401 – Vegetative buffer planning (\$2K)

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

- 0106 – Engineering or technical design work by a qualified professional (earthen manure storage structure assessment) (As per Section 24: *Code of Agricultural Practice for Environmental Management*)
- 0804 – Engineering or technical design work by a qualified professional (organic residuals - composting)
- 2401 (B) – Nutrient management planning – completed by a qualified professional (As per Section 57: *Code of Agricultural Practice for Environmental Management*)
- 3301 – Energy Assessments completed by a qualified professional

### Basic Designs (50% to \$10K)

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

### Intermediate Designs (100% to \$5 and 80% to \$20K)

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

### Complex Designs (50% to \$20K)

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

BMP Category Practice Code	Eligible BMPs and Costs	Target Area and Commodity
<b>Basic Plans (100% up to identified limit)</b>		
<p><b>Nutrient Management Planning (NMP) - 2401 (A)</b></p> <p>Consultative services to develop nutrient management plans, planning and decision support tools</p> <p>Designated for Nutrient Management Planning – completed by experienced person (As per Section 56: <i>Code of Agricultural Practice for Environmental Management</i>)</p>	<ul style="list-style-type: none"> <li>• First Plan: <b>Up to \$2K for first plan including a maximum of \$650 can be used for laboratory analyses</b> (e.g., manure, soil, leaf tissue or compost) as part of the eligible costs of the nutrient management plan</li> <li>• Second Plan: <b>Up to \$1.5K for costs associated with second plan.</b> 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</li> </ul> <p>NMPs should include required elements (appropriate record keeping and reporting standards - see Information sheet at <a href="http://www.BCEFP.ca">www.BCEFP.ca</a>)</p> <ul style="list-style-type: none"> <li>• Estimated actual costs associated with development of plan must be submitted for review and approval</li> </ul> <p><b>Note:</b> Raw nutrient data – free of farm identification – will be collected for environmental health indicators reporting purposes</p>	Province wide
<p><b>Integrated Pest Management Planning - 2501</b></p> <p>Consultative services to develop integrated pest management plans, planning and decision support tools.</p>	<ul style="list-style-type: none"> <li>• <b>Up to \$1K per plan</b></li> <li>• IPM consultant must be approved by ARDCorp to be eligible for reimbursement.</li> <li>• IPM plans must contain required elements of a plan (see information sheet at <a href="http://www.BCEFP.ca">www.BCEFP.ca</a>)</li> <li>• Actual costs associated with development of plan must be submitted for review and approval</li> </ul> <p><b>Note:</b> Limit of one plan per eligible farm operation</p>	Province wide
<p><b>Grazing Management Planning - 2601</b></p> <p>Consultative services to develop range and grazing management plans, planning and decision support tools</p>	<ul style="list-style-type: none"> <li>• <b>Up to \$1K per plan</b></li> <li>• Linked to Practice Codes 1004 and 1005</li> </ul> <p><b>Note:</b> Limit of two plans per eligible farm operation</p>	Province wide
<p><b>Biodiversity Management Planning - 2801</b></p> <p>Consultative services to create a biodiversity management plan</p>	<ul style="list-style-type: none"> <li>• <b>Up to \$2K per plan</b></li> <li>• Plan must include an opportunities assessment, an action plan, identification of potential activities to be implemented, and a monitoring plan.</li> <li>• Planning and decision support tools (e.g., computer software and aerial photos)</li> <li>• Maps and land resource information costs</li> <li>• Report preparation by consultant</li> <li>• Plan review with producer</li> <li>• Guidance for this BMP is derived from the EFP “Planning for Biodiversity A Guide for BC Farmers and Ranchers”</li> <li>• Linked to BMP Practice Codes 2201, 2202, 2203, 2004 and 2205</li> </ul> <p><b>Note:</b> Limit of one plan per eligible farm operation</p>	Province wide  Overall program cap of \$30,000
<p><b>Water Management Planning</b></p> <p><b>2901 - Irrigation Design and Management Plans</b></p>	<ul style="list-style-type: none"> <li>• <b>Up to \$1.5K per plan</b></li> </ul> <p>Consultative services by and IIABC Certified Irrigation Designer (or equivalent deemed acceptable by BC Ministry of Agriculture) to produce an irrigation management plan</p> <p>Plan must include:</p> <ul style="list-style-type: none"> <li>• Recommendations to increase water use efficiency for both delivery and application</li> <li>• A certified design layout, material list, operation and maintenance requirements</li> <li>• Applicable <b>Irrigation System Assessment Worksheets</b> from EFP Planning Workbook <u>or</u> Irrigation System Assessment Guide must be included as with the Irrigation Management Plan</li> <li>• Site investigation by certified irrigation designer prior to plan and quote preparation</li> <li>• Designer to identify areas where maintenance required</li> <li>• Certified designer must sign and seal each plan for project to be eligible to program</li> <li>• Certified designer must inspect project after completion and send a signed completion form to program before payment for plan preparation and project costs are made</li> </ul>	Province Wide

BMP Category Practice Code	Eligible BMPs and Costs	Target Area and Commodity
	<ul style="list-style-type: none"> <li>An invoice from Certified Irrigation Designer must be submitted to producer outlining services</li> </ul> <p><b>Ineligible:</b> Design plans for new systems where an existing system was not in place or for a change in cropping system</p> <p><b>Note:</b> Limit of two plans per eligible farm operation</p>	
<p><b>Water Management Planning</b></p> <p><b>2902</b> - Water Management Planning (Stormwater or Drainage)</p>	<ul style="list-style-type: none"> <li><b>Up to \$3K per plan</b></li> <li>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</li> <li>Linked to BMP Category 5 and Practice Code 3201</li> </ul> <p><b>Note:</b> Limit of one plan per eligible farm operation</p>	<p><b>Province wide</b></p>
<p><b>Riparian Management Plan - 3001</b></p> <p>Consultant fees to produce a riparian management plan (RMP) report for farmer with BMP recommendations that include a design layout, species list and maintenance protocols</p>	<ul style="list-style-type: none"> <li><b>Up to \$1K per plan</b></li> <li>RMP is based on a needs assessment from riparian health assessments (RHA) generated during EFP process</li> <li>Results of RHA must be included with application for RMP</li> <li>Planning and decision support tools (e.g. computer software, aerial photos)</li> <li>Maps and land resource information costs</li> <li>Data collection, materials and sampling and analysis costs by consultant</li> <li>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</li> <li>Report preparation by consultant</li> <li>Plan review with producer</li> <li>Linked to BMP Categories 10 and 11</li> </ul> <p><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>Time, effort and travel by the producer</li> <li>Professional services not directly related to riparian health assessment and buffer strip planning</li> <li>Field-specific agronomic practices (e.g. variable rate application of crop inputs)</li> <li>Costs associated with developing engineer reports for drainage projects</li> </ul> <p><b>Note:</b> Limit of two plans per eligible farm operation</p>	<p><b>Province wide</b></p>
<p><b>Vegetative Buffer Planning - 3401</b></p> <p>Services of a qualified consultant or EFP Program designate to produce a vegetative buffer plan (VBP) that includes a design layout, species list and maintenance protocols</p>	<ul style="list-style-type: none"> <li><b>Up to \$2K per plan</b></li> <li>A shelterbelt, buffer or hedgerow VBP based on a needs assessment from a BMP recommendation generated during the EFP process</li> <li>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.</li> <li>A shelterbelt, buffer or hedgerow VBP based on a needs assessment from BMP recommendations generated through the EFP process.</li> <li>Planning and decision support tools (e.g. computer software, aerial photos)</li> <li>Maps and land resource information costs</li> <li>Data collection, materials, sampling and analysis costs by consultant or designate</li> <li>Design work by consultant for buffer layout, species selection and establishment costs</li> <li>Report preparation</li> <li>Plan review with producer</li> <li>Linked to BMP Practice Code 1901</li> </ul> <p><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>Time, effort and travel by the producer</li> <li>Professional services not directly related to the VBP</li> </ul> <p><b>Note:</b> Limit of one plan per eligible farm operation</p>	<p><b>Province wide</b></p>

BMP Category Practice Code	Eligible BMPs and Costs	Target Area and Commodity
<b>Complex Plans</b> (100% of first \$3K then 80% of any additional plan costs to a maximum program payment of \$10K associated with first plan)		
<b>Improved Manure Storage and Handling - 0106</b>  Engineering or technical design work by a qualified professional (earthen manure storage structure assessment)	<ul style="list-style-type: none"> <li>Assessment of existing earthen manure or agricultural by-product storage basins (lagoons) built before February 28th, 2019 by a qualified professional as per Section 24: <i>Code of Agricultural Practice for Environmental Management</i></li> <li>Costs can include site assessment by drilling, analytical costs for soil or water and report preparation</li> </ul> <b>Ineligible items:</b> <ul style="list-style-type: none"> <li>Permanent monitoring equipment</li> <li>Leak prevention supplies</li> </ul>	Province wide
<b>Product and Waste Management - 0804</b>  Engineering or technical design work	<ul style="list-style-type: none"> <li>Engineering or technical design report and drawings to facilitate construction of composting facility</li> <li>Compost facility operational planning and monitoring information</li> </ul> <b>Ineligible items:</b> <ul style="list-style-type: none"> <li>Construction materials</li> <li>Monitoring equipment</li> </ul>	Province wide
<b>Nutrient Management Planning (NMP) - 2401 (B)</b>  Consultative services to develop nutrient management plans, planning and decision support tools  Designated for Nutrient Management Planning – completed by a qualified professional (As per Section 57: <i>Code of Agricultural Practice for Environmental Management</i> )	<ul style="list-style-type: none"> <li>First Plan: 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</li> <li>Second Plan: Producers may be eligible for funding to complete a second nutrient management plan within the next three subsequent years. Maximum of \$5K including all costs</li> </ul> NMP's must include required elements identified under <i>Code of Agricultural Practice for Environmental Management</i> <ul style="list-style-type: none"> <li>Estimated actual costs associated with development of plan must be submitted for review and approval</li> </ul> <b>Note:</b> Raw nutrient data – free of farm identification – will be collected for environmental health indicators reporting purposes	Province wide
<b>Carbon Dioxide (CO2) Emission Reduction - 3301</b>  Consultative services for on-farm energy efficiency assessment Projects must either reduce agricultural carbon dioxide emissions or reduce the concentration of CO <sub>2</sub> in the atmosphere	<ul style="list-style-type: none"> <li>Assessments must include the use of "Farm Energy Assessment Tool" created by British Columbia Agriculture &amp; Food Climate Action Initiative</li> <li>Assessment may be carried out by any contracted professional recognized by the Program</li> <li>Assessment Tool is available from ARDCorp office</li> </ul>	Province wide
<b>Basic Designs (50% to \$10K)</b>		
<b>Manure Treatment - 0204</b>  Engineering or technical design work	<ul style="list-style-type: none"> <li>Eligible projects include assessment and design of agricultural byproduct manure treatment</li> <li>Focus of engineering or technical design should on recovery of nutrients</li> </ul>	Province wide
<b>Farmyard Runoff Control / Storm Water Management - 0503</b>  Engineering or technical design work	<ul style="list-style-type: none"> <li>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</li> <li>Consideration should be given to design and operation parameters identified in the BC Agricultural Drainage Manual and/or the EFP Drainage Management Guide</li> </ul>	Province wide livestock only

BMP Category Practice Code	Eligible BMPs and Costs	Target Area and Commodity
<b>Relocation of Livestock Confinement - 0603</b>  Engineering or technical design work	<ul style="list-style-type: none"> <li>Eligible projects include assessment and design of outdoor livestock confinement areas with a view to protecting riparian areas or critical habitat</li> <li>Focus of engineering or technical design should on both design of new site and the decommissioning of the original site</li> </ul>	Province wide
<b>Nutrient Recovery from Waste Water - 1702</b>  Engineering or technical design work	<ul style="list-style-type: none"> <li>Eligible projects include assessment and design of agricultural byproduct wastewater treatment</li> <li>Focus of engineering or technical design should on recovery of nutrients</li> </ul>	Province wide
<b>Intermediate Designs</b> (100% of plan cost for the first \$5K and then 80% of any additional plan costs to a maximum program payment of \$20K)		
<b>Riparian Area Management - 1007</b>  1007 - Engineering or technical design by an accredited engineering consultant or a qualified professional in accordance with federal, provincial and local government regulations and specifications	<ul style="list-style-type: none"> <li>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</li> <li>Focus of engineering or technical design should be works directed related to the terrestrial (land) portion of the riparian area</li> </ul>	Province wide
<b>Erosion Control Structures (Riparian) -1102</b>  Engineering or technical design by an accredited engineering consultant or a qualified professional in accordance with federal, provincial and local government regulations and specifications	<ul style="list-style-type: none"> <li>Eligible projects include assessment and design of any riparian structures (i.e., culverts, bridges, revetments or root wads) including assessments for licensed water storage structures with an agricultural purpose on the water license</li> <li>Focus of engineering or technical design should be works directed related to the aquatic (water) portion of the riparian area</li> </ul>	Province wide
<b>Complex Designs (50% to \$20K)</b>		
<b>Methane (CH<sub>4</sub>) Emission Reduction - 3102</b>  Engineering design work or technical feasibility studies	<ul style="list-style-type: none"> <li>This practice code is designated as to be used when a feasibility studies are required prior to the implementation of practice codes 3101-1 or 3101-2</li> <li>This practice code will stand alone if project does not proceed for economic, technical or environmental reasons</li> </ul>	Province wide
<b>Carbon Dioxide (CO<sub>2</sub>) Emission Reduction - 3309</b>  Engineering or technical design work or technical feasibility studies	<ul style="list-style-type: none"> <li>This practice code is designated as to be used when a feasibility studies are required prior to the implementation of practice codes 3303 and 3304</li> <li>This practice code will stand alone if project does not proceed for economic, technical or environmental reasons</li> </ul>	Province wide