PROGRAM GUIDE

CleanBC Plastics Action Fund

Program Guide

BRITISH COLUMBIA | cleanBC our nature. our power. our future.

alacrity Canada SYNERGY FOUNDATION

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1. Program Overview

The CleanBC Plastics Action Fund supports plastic waste reduction projects in British Columbia to promote a circular economy through recycling, remanufacturing, reuse, and repair initiatives. One application per organization may be submitted.

First launched in 2020, the CleanBC Plastics Action Fund has played a pivotal role in addressing the pressing issue of plastic waste in British Columbia. With total investments to date exceeding **$13 million**, the fund has provided critical financial support to more than 30 projects. These projects span a wide spectrum; from innovative initiatives to develop AI-enhanced material sorting, supporting Indigenous communities switch to reusable dinnerware, to larger-scale endeavors involving industrial plastic recycling and processing operations. Through these diverse projects, the CleanBC Plastics Action Fund has been instrumental in promoting sustainable practices, reducing plastic waste, and fostering a cleaner and more environmentally responsible future for the province.

The current phase of the Plastics Action Fund seeks to provide over $20 million in funding to further support the prevention and reduction of plastic waste, while developing the circular economy in British Columbia.

The Plastics Action Fund is administered on behalf of CleanBC and the Government of British Columbia by Alacrity Canada, in partnership with the Synergy Foundation.

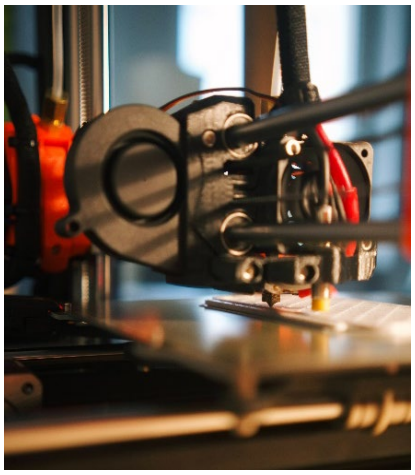
1.1 Funding Categories and Project Scope

The CleanBC Plastics Action Fund will support new projects that fall under four main funding categories with the following desired scopes and outcomes:

Post-Consumer Recycled Plastics Category (PCR)

- Increase BC's processing capacity to produce more plastic products with PCR plastics and packing manufacturers.
- Increase the use of PCR plastic in plastic manufacturing.
- Support PCR plastic product and reuse research, design, and testing, that increase the use of PCR plastic.
- Projects cannot include plastic collection, transportation, or depots.

Expected Project Range	**$250,000 - $1,200,000**
Max % of Project Costs Funded	**66%**



Circular Economy Innovation Category (CEI)

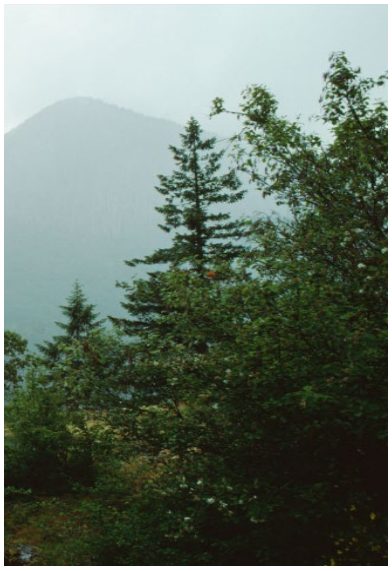
- Develop the commercialization of reuse businesses, to support the phase out of single-use and plastic items.
- Develop the growth of repair businesses, to extend the life of products and materials and reduce plastic waste.
- Develop tools or products that connect consumers with circular economy businesses or organizations, including reuse and repair businesses that result in the reduction of plastic waste.
- Projects may include pilots and trials to demonstrate and test the viability of new innovations.

Expected Project Range	**$150,000 - $750,000**
Max % of Project Costs Funded	**66%**

Indigenous Projects Category (INDG)

- Support projects led by individuals, communities, businesses, and organizations which self-identify as First Nations (status and non-status), Métis, and/or Inuit.
- Support plastic waste reduction activities that prevent or eliminate waste through reuse and repair models.
- Support plastic waste reduction activities through remanufacturing, value-add processing, and recycling processes.
- Build capacity around the circular economy and plastic waste reduction which are led by Indigenous people, communities, and businesses.
- For more details, please reference the Indigenous Program Guide.

Expected Project Range	$75,000 - $150,000



Regional Plastics Innovation Category (RPI)

- Provide development support and project financing for start-up and early-stage organizations in communities outside of the Capital Regional District and Metro Vancouver.
- Projects funded through the Regional Plastics Innovation category will address the same outcomes as other funding categories.
- Eligible organizations must be located in communities outside of the Metro Vancouver and the Capital Regional Districts or within communities with a population of less than 25,000.
- Eligible organizations must meet the criteria outlined in sections 2.1 and 2.2.

Expected Project Range	$100,000 - $250,000

1.2 Program Intake and Timelines

The Plastics Action Fund accepts applications on a rolling basis, providing a flexible and efficient approach to reviewing applications and disbursing funds. This dynamic process allows the Plastics Action Fund to continually support impactful projects and organizations throughout the program's duration.

Program Timelines

Online Expression of Interest (EOI) will open **October 20th, 2023.**
The online EOI will close on **November 4th, 2024** or once all funds have been subscribed.
All applications undergo continuous review, ensuring a timely and efficient evaluation process. A shortlist of top-ranked applications will be created.
Applications which did not initially make the short list will be continually reviewed and may be considered for funding at a later date.
Shortlisted organizations must submit their detailed grant proposal within **20 business days** of invitation.
Funds will be disbursed to successful applicants as soon as projects receive approval.
Successful applicants will be required to provide a **report every fiscal quarter** after the transfer of initial payment until the project conclusion.
All projects must be completed by **February 28th, 2026.**

1.3 Application and Award Process

The CleanBC Plastics Action Fund is a 2-stage application process for all funding categories. Applications will be reviewed in the order that they are received. All applications must be submitted in English.

Stage 1	
Pre-Application Preparation	**Identify Funding Opportunity:** Applicants research and identify relevant grant opportunities that align with their project or organization's goals and objectives. **Review Guidelines:** Applicants thoroughly read and understand the grant guidelines, eligibility criteria, deadlines, and program requirements. **Project Concept Development:** Applicants develop a clear and compelling project concept that addresses the outlined priorities and demonstrates the potential impact of their proposed project.
Expression of Interest (EOI)	**Submission of EOI:** Applicants complete and submit the Expression of Interest (EOI) form found online. This form provides an overview of the project and addresses core eligibility requirements, and therefore serves as an initial screening. **Submission Review:** The Plastics Action Fund expert panel will review the submitted EOIs and select eligible applicants to proceed to the next phase based on alignment with priorities, potential impact, and the quality of the application. **Feedback:** In cases where an application has potential but requires revisions or additional information, our team will provide constructive feedback to help applicants strengthen their proposals.

Stage 2	
Detailed Grant Proposal Phase	**Invitation to Submit Detailed Grant Proposal:** For all EOIs shortlisted, applicants will receive an invitation from the funding organization (Alacrity) to submit a detailed grant proposal. **Detailed Grant Proposal Form:** Applicants will complete the comprehensive application form provided by Alacrity. This form requires detailed information about the project and the organization, including: • Detailed Project Description • Budget and Financial Information • Partnerships and Collaborations • Monitoring and Evaluation • Sustainability and Risk Mitigation • Supporting Documents **Submission Timelines:** Applicants will submit the completed application within *20 business days* of receiving the invitation through email or an online submission portal.
Review and Selection Process	**Initial Review:** Alacrity and Synergy will conduct an initial review of all submitted detailed grant proposals to ensure they meet the eligibility criteria and adhere to guidelines. **Evaluation and Scoring:** Alacrity's expert panel of reviewers will assess the detailed grant proposals based on predetermined evaluation criteria (*see section 4.6*) to produce an overall score. **Shortlisting and Final Selection:** Based on the evaluation scores, a shortlist of top-ranked applications will be created. Alacrity may conduct interviews or request additional information from shortlisted applicants. **Award Notification:** Successful applicants will be notified of their grant award, while unsuccessful applicants will receive feedback on their application.

Disbursement and Post-Award Requirements	
Grant Acceptance and Agreements	**Acceptance and Agreement:** If awarded, Applicants will review and accept the grant offer, and enter into a funding agreement with Alacrity Canada.
Funding Disbursement	**Disbursement:** Funds are disbursed once Applicants have submitted all required documentation. • 60% of total awarded grant funds are disbursed upon completion of the grant agreement. • 30% of total awarded grant funds are disbursed once the mid-project update report has been received. • 10% of the total awarded grant funds are disbursed once the final project report has been received. Projects under $150,000 will receive 100% of funding upon completion of the grant agreement.
Reporting and Project Implementation	**Reporting and Documentation:** Successful Applicants will fulfill reporting requirements as outlined in the grant agreement, including regular progress reports, financial documentation, and any other requested information. Applicants must fully participate in an audit if selected. **Project Implementation:** Applicants will begin implementing the project according to the proposed timeline and objectives outlined in the application.

2. Applicant Eligibility

2.1 Eligibility Requirements - General Conditions

All eligible applicants and organizations must adhere to the following conditions:

- Applicants must agree that the qualified expenses are used solely towards their project which aims to achieve one or more of the expected outcomes outlined in the funding categories (*see section 1.1*).
- Applicants must participate in an audit, if selected. The audit will require that receipts and invoices of the eligible expenses be submitted for review.
- Applicants must participate in a follow-up survey to demonstrate the outcomes resulted from the Program. Only aggregate results will be made public.
- Applicants may only make one submission per organization.

All eligible applicants and organizations must meet the following criteria:

- Currently in operation
- Registered in B.C.
- Majority owned by a B.C. resident(s)
- Have sole or primary operations in the Province of British Columbia

For **Indigenous Applicants**, please reference the Indigenous Program Guide for specific eligibility criteria.

Meeting the program intake criteria does not guarantee that the application will be approved for funding. Applicants must ensure that the application form and all required information and attachments are completed and submitted. An incomplete application cannot be approved to receive a grant.

2.2 Who Can Apply to the Plastics Action Fund

Eligible Applicants (All Categories)	• For-profit businesses • Not-for-profit organizations • Indigenous communities and organizations
Eligible Regional Plastics Innovation Applicants	• Must be located and registered within communities located outside of the Metro Vancouver and Capital Regional Districts. • Communities with populations under 25,000 located within the Metro Vancouver and Capital Regional districts can request an exemption during the EOI application process.
Eligible Indigenous Applicants	• *See Indigenous Program Guide for Indigenous Applicant eligibility criteria*
Ineligible Applicants (All Categories)	• Applicants not operating within the Province of British Columbia • Applicants that are subsidiaries of organizations that maintain a corporate headquarters outside of B.C.

3. Project Eligibility

Projects must meet all applicable federal and provincial legislation and standards, including consultation with Indigenous nations. It is the applicant's responsibility to obtain any required approvals and permits.

3.1 Regulatory Considerations

All projects must be consistent with current regulations and regulatory intentions, including the:

- Provincial Actions on Plastic
- Provincial Single-use and Plastic Waste Prevention Regulation
- EPR 5-year plan
- Federal ban on single-use plastics

3.2 Priority Plastics

The following sectors have been identified as priority areas given the current challenges that exist to recycle these plastic items and types, and the opportunities for innovative solutions to reduce plastic waste.

Textiles and Synthetic Fibres	Includes polyester and nylon; may include some components of non-synthetic fibres, however, must link to plastic waste reduction within the circular economy.
Construction Plastics	Includes polystyrene (PS/EPS) building materials, PVC piping.
Ocean Plastics	Includes rigid plastics (PET, PE, PP), nylon, polystyrene (marine debris)
Agricultural Plastics	Includes LDPE/LLDPE (bale wrap, mulch film, greenhouse), PS/EPS (Trays); PP (twine, pots), HDPE (drip tape, containers, drums, pots).

3.3 Previously Funded Projects

For more information on what projects and organizations have been funded during previous phases of the Plastics Action Fund, please see **Appendix B.**

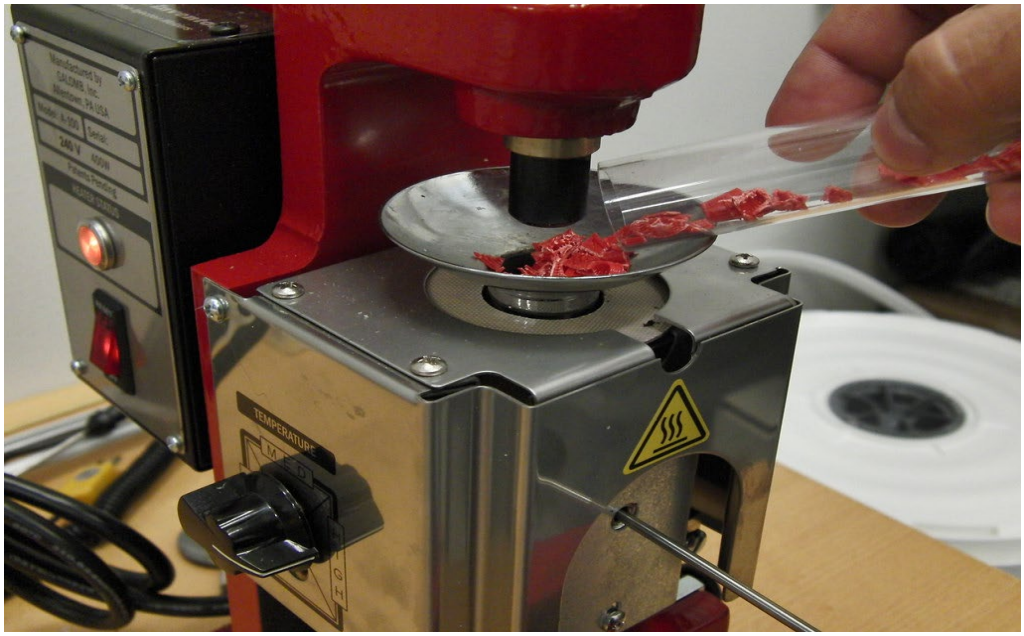
3.4 Ineligible Project Types

The following types of projects, or projects which contain elements of the following, are ineligible to receive support from the Plastics Action Fund:

- Plastic clean-up initiatives
- Plastic collection initiatives
- Transfer stations and/or recycling depots
- Feasibility studies and market analyses
- Projects consisting of only marking and media expenses*
- Projects consisting of only education or public awareness initiatives
- Projects promoting, adopting, or developing biodegradable plastics, including carbon black, compostable plastic, and all oxo-degradable plastics
- Projects to purchase or develop alternative single-use non-plastic packaging (includes organic and fiber-based packaging)
- Projects addressing per- and polyfluorinated substances (PFAS)
- Waste-to-energy projects
- Projects supporting activities outside of British Columbia
- Projects which predominantly direct grant funds to third-party contractors

see section 4.1

*If your project is not fit for the Plastics Action Fund, please see **Appendix A** for other funding opportunities which may be available.*



4. Preparing a Detailed Grant Proposal

Organizations that are invited to submit a detailed grant proposal will be provided with a fillable PDF application form and a budget template. Applicants must ensure that their detailed grant proposal aligns with the key outcomes set forth in this program guide (*see section 1.1*).

4.1 Eligible and Ineligible Expenses

Using the project budget template provided, include all related project costs. To be eligible, project costs must be essential to the project and be accurately estimated. Alacrity will assess the eligibility of all project expenses.

Project expenses that are not eligible for funding through the CleanBC Plastics Action Fund must still be noted in the project application but cannot be included in the project budget. These expenses must be funded by either the applicant or other funding sources.

Eligible Expenses	Ineligible Expenses
✓ Capital expenditures related to the project. ✓ Salary costs for project specific labour ✓ Retrofit costs to enable the project. ✓ Contractor or partner organization fees ✓ Equipment installation costs ✓ Freight or transportation charges ✓ PPE ✓ Marketing & media-related expenses*	× Expenses incurred for activities before the project start date × Operating expenses, including leases × Fees and expenses related to tradeshows, conferences, and industry events × Salary costs for general staff × General website or IT upgrades × Hosting an existing website × Credit card processing fees × Packaging materials for product shipping and related shipping costs × Real estate capital purchases × Purchase or lease of vehicles × Labour costs associated with ongoing operations × Travel and hospitality for staff or contractors × Structural renovations not specific to the project × Feasibility studies × Plastic collection, transportation, or depots

* Marketing and media related expenses are only eligible in select circumstances for the Circular Economy Innovation and Indigenous Projects categories and must result in measurable impacts on plastic recycling or plastic reduction.

4.2 Applicant Contributions

Applicants under the **Post Consumer Recycled Plastics** and **Circular Economy Innovation** funding categories must provide a minimum of **33% contribution (maximum funding of 66% of project costs).**

Applicants under the **Indigenous Projects** and **Regional Plastics Innovation** funding categories must provide a minimum of **20% contribution (maximum funding of 80% of project costs).**

The application will not be assessed if it does not meet the financial contribution requirement. Confirmation of applicant funding commitment will be requested upon review of applications.

4.3 Source of Applicant Financial Contribution

There are **no fund stacking limits**, however**, fund stacking cannot exceed 100% of total project cost.** The applicant financial contribution may come from:

- Applicants' own funds.
- Funds from not-for-profit organizations, such as development trusts.
- Funds from project partners.
- Other government sources (federal or provincial).
- In-kind contributions (see below).

In-kind Contributions

The applicant in-kind contribution:

- May be up to 50% of the applicant's financial contribution.
- May include goods and services donated to a project by the eligible applicant and/or eligible partners (e.g., staff time, use of space or equipment).
- Must be clearly identified in the Detailed Grant Proposal Form in the "Budget" subsection.
- Must be valued at fair market value.

4.4 Project Timeline

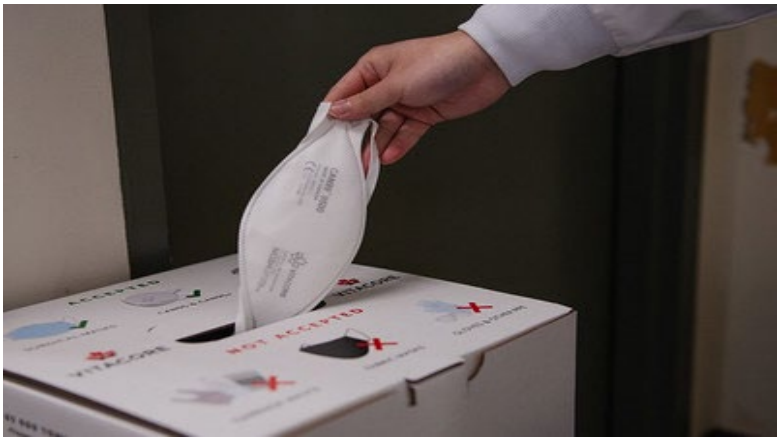
You will be requested to submit a project timeline in your detailed grant proposal which includes all major project milestones.

Project timeline must be reasonable and take into consideration any supply chain delays, organizational capacity, and the availability of contractors if applicable.

Project Start	Successful projects must commence within **3 months** of receipt of funding.
Project Completion	Projects must be completed **by February 28th, 2026**.

4.5 Supporting Documents

Document	Details	Required	Optional
Financial Statements (audited, if available)	Income statements, balance sheets, debts and liabilities, and cash flow statements, to demonstrate their financial stability and ability to manage funds.	✓	
Project Budget	A detailed budget outlining how the grant funds will be utilized for project initiatives is required. This should include projected costs for equipment, materials, labor, and any other relevant expenses associated with the successful completion of the project.	✓	
Letters of Support	Any testimonial written on the behalf of the applicant organization to show why they are deserving of a grant from the Fund.		✓
Supporting Documentation	Additional supporting documentation may include but is not limited it: Quotes, project plans, list of permits or approvals needed, and funding confirmation or commitments		✓



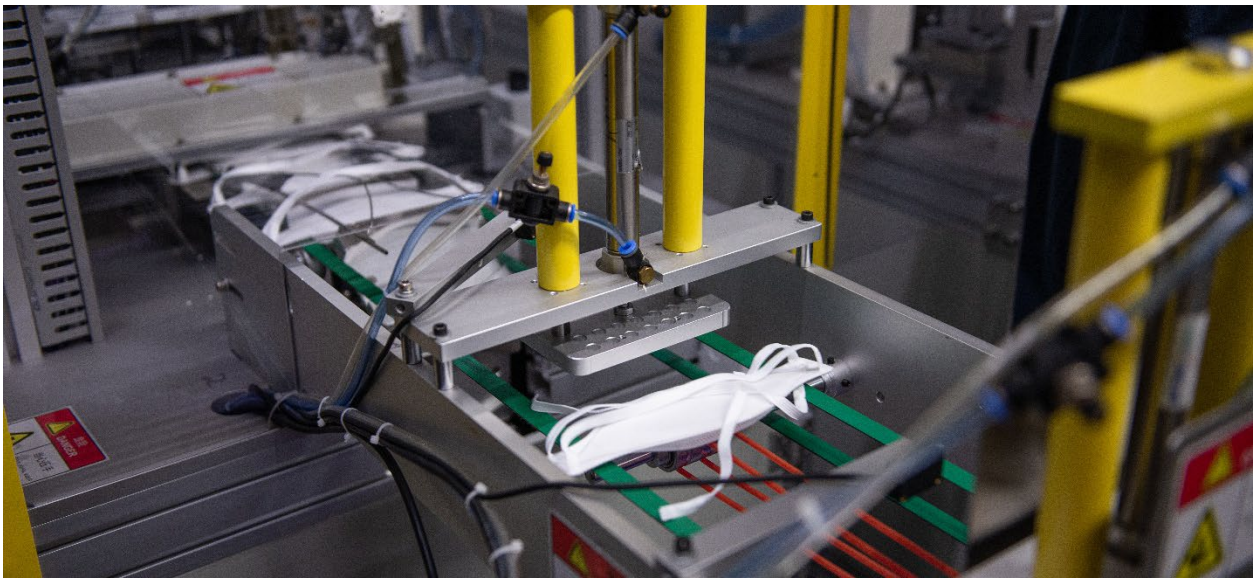
4.6 How Proposals Will Be Assessed

The following process is used to evaluate applications:

1. All applications undergo an administrative review to confirm project eligibility and a technical review to ensure they meet the objectives of the program funding. Applications will be reviewed in the order that they are received.
2. The assessment panel evaluates eligible applications using the assessment criteria below.
3. Program staff may conduct due diligence to gather expert feedback regarding the feasibility and/or funding of proposed projects. Experts may review project specific information provided in the application form.
4. The program area informs each applicant of the assessment panel's decision. Funding decisions are announced quarterly.

To ensure a wide distribution of funding, organizations that did not receive funding in previous phases of the CleanBC Plastics Action Fund will be prioritized in the assessment process.

Section	Criteria	Weighted Score		
		PCR	CEI	RPI
Alignment	How many of the funding program's preferred outcomes does the project address and to what depth.	**25%**	**25%**	**25%**
Feasibility	Does the applicant must have a reasonable plan to complete their project within the time frame specified and detailed budget with confirmed funding.	**25%**	**25%**	**25%**
Organizational Capacity	Does the applicant have the organizational expertise to execute the project and is there a reasonable risk mitigation strategy in place.	**25%**	**25%**	**25%**
Target Waste	The degree to which the project addresses problematic plastic waste not currently covered through existing EPR programs.	**10%**	**10%**	**5%**
Innovation	The degree to which the project will establish new processes, products, or circular solutions.	**10%**	**10%**	**15%**
Scale	How scalable and replicable is the project.	**5%**	**5%**	**5%**



5. Receiving Funding

5.1 Funding Terms and Conditions

- All funding decisions are final.
- Grant funding cannot be used retroactively or any for activities that have already begun before the project start date.
- At the discretion of Alacrity Canada, any portion of the funding that remains at the end of the project shall be returned to the Minister of Finance within 30 days upon written request from Alacrity Canada or the Province of British Columbia.
- On the happening of an Event of Default, or at any time thereafter, Alacrity Canada may, at its option, elect to do any one or more of the following:
    - by written notice to the Funding Recipient, require that the Event of Default be remedied within a time period specified in the notice.
    - pursue any remedy or take any other action available to it at law or in equity.
    - by written notice to the Funding Recipient, terminate any future funding with immediate effect or on a future date specified in the notice, subject to the expiration of any time period specified.
    - suspend any installment of the funding or any amount that is due to the Funding Recipient subject to the satisfactory remedy through notice; or
    - require repayment of any portion of the funding not spent in accordance with this Agreement prior to termination.

The grant agreement for successful applicants has further information on requirements.

5.2 Reporting Requirements

Successful applicants will be required to submit progress reports every fiscal quarter after the transfer of initial payment until the project conclusion.

The progress reports will be submitted to Alacrity by means of electronic survey and will collect information pertaining to fund usage, project status, progress on project, key performance indicators, and other metrics as identified by the Province of British Columbia or Alacrity Canada.

Upon project completion, applicants are required to complete a follow up report to demonstrate the outcomes they have experienced as a direct result of the grant funding. Additionally, applicants will be required to submit high-resolution photographs of the completed project and any supporting documentation as requested by Alacrity Canada.

Only aggregate information will be included in the final report, which may be made available to the public.

5.3 Expense Report Assessment and Audits

A percentage of applicants' reports will be audited, and expenses will be reviewed in detail, by an independent auditor. The applicant must keep invoices and receipts related to project expenses, and proof of payment, in case of audit.

5.4 Communications and Funder Recognition

Funding recipients must not publicly acknowledge the award of any grant funds until explicit approval to do so is received from Alacrity Canada.

Throughout the project there may be several occasions that require communication support for events and/or publications. As such, the following is required:

- Funding recipients must keep Alacrity Canada informed in advance (with a minimum notice period of 10 business days) of any promotional activities or events related to the project.
- The Program funder (the Province of British Columbia) and Alacrity Canada must be acknowledged in project communications, events, and signage. Funding recipients must acknowledge the financial contribution made by the Province to the Recipient by printing on all materials the following statement:

  "We gratefully acknowledge the financial support of the Province of British Columbia and Alacrity Canada through the Ministry of Environment and Climate Change Strategy."

- The Province and Alacrity Canada must provide written consent to the funding recipient to publish project details in reports and in promotion of the Fund.

5.5 Freedom of Information

Applications submitted under the Program are subject to the Freedom of Information and Protection of Privacy Act. The information being collected is for the purpose of administering the Program and evaluating eligibility of the proposal.

The names and locations of successful award recipients may be published, along with the amount of the award, in various communications and promotional materials. Applications, in whole or in part, may be shared with other provincial ministries as part of the due diligence process.

5.6 Program Contacts

Plastics Action Fund Program Staff Program staff can help determine whether the proposed project aligns with the program's scope and criteria. They can also provide clarification regarding requirements in the application form and budget template.	**Phone:** (778) 561-4434 **Email:** plasticsactionfund@alacritycanada.com **Website:** alacritycanada.com/plasticsactionfund
Alacrity Canada Staff If you have any questions, support is available from Alacrity Canada. Support is provided in English	**Phone:** (778) 561-4434 **Email:** info@alacritycanada.com **Website:** alacritycanada.com

6. Frequently Asked Questions

Are non-profits eligible to apply to the Plastics Action Fund?
Yes, non-profit organizations are eligible if they meet the existing eligibility criteria.

What Technology Readiness Levels (TRLs) are prioritized for this fund?
There is no specific TRL which projects must be at. Projects, regardless of their TRL, will be judged based on their potential impact, alignment, and scalability.

Can behaviour change and education expenses be included?
Yes, behaviour change and education expenses can be included for Circular Economy Innovation and Indigenous funding categories. However, they must be included as aspect of a larger project, and outcomes must be measurable, and support the development of the circular economy and the prevention of plastic waste.

Are the grant funds taxable revenue?
Yes. The grant funds are taxable and should be reported on your corporate tax return.

I previously received funding from the Plastics Action Fund, can I apply again?
Yes, you are eligible to apply again, given that you are applying for a project exclusive from the one previously funded. However, priority will be given to projects which have not received previous funding.

Can funding be used to offset the cost of projects which have already begun? *No. Grant funding cannot be used retroactively for any activities that have already begun before the project start date.*

Can our organization apply for more than one category of funding?
Only one application per organization may be submitted. Please choose the funding category most applicable to your project.

If I do not have a receipt/invoice for any of my eligible expenses, can I still submit it as an eligible expense?
No. All submitted expenses will require proof of service completed and proof of payment. If you do lose original receipts or invoices, other evidence of the expense, such as bank statements, may be considered.

Are biodegradable plastics covered under the fund?
No, projects cannot include containers or primary materials made from problematic plastics, which includes polystyrene foam (PS/EPS), PVC, PDVC, carbon black, compostable plastic, biodegradable plastic, and all oxo-degradable plastics.

Can plastic material for recycling be sourced from outside the Province of B.C.?
Post-consumer plastic materials for processing cannot be sourced from outside of the Province of B.C. Equipment necessary to implement your project can be sourced outside of the province.

Are environmental cleanup projects eligible?
No, environmental cleanup projects are not eligible.

Can a few plastic reductions and PCR projects/initiatives be included in a single application?
No, an application will be submitted for one project. However, this project may be multi-faceted.

Can private companies apply in partnership with non-profit organizations?
Yes, private companies may apply in partnership with non-profit organizations.

Appendix A:

Other Funding Opportunities

Clean Coast, Clean Waters Initiative
Ministry of Environment and Climate Change Strategy

BC Manufacturing Jobs Fund
Ministry of Jobs, Economic Development and Innovation

Rural Economic Diversification and Infrastructure Program (REDIP)
Ministry of Jobs, Economic Development and Innovation

Indigenous Food Security and Sovereignty (IFS) Grant
Ministry Agriculture and Food

Northern Industries Innovation Fund (NIIF)
Northern Development Initiative Trust

Plastics challenge: Advancing Reuse to Replace Single-Use Plastics
Innovation, Science and Economic Development Canada

Appendix B

Previously funded projects

PHASE 1 PROJECTS (Concluded March 2022)

Flipside Plastics
Flipside Plastics collected used coffee cup lids and transformed them into post-consumer plastic soap dishes, piloting an innovative full-circle micro-recycling program. The Flipside Plastics team collected all the coffee cup lids by bicycle within the urban city center of Victoria, B.C., and partnered with local businesses to establish a streamlined collection process.

K-C Recycling LTD
Funding through the CleanBC Plastics Action Fund allowed for KC Recycling to upgrade their equipment to accept more recyclable materials. These upgrades made it possible for KC Recycling to produce a higher-grade end-product that has helped move B.C. closer to having a fully functioning circular economy for car batteries.

KOEL Society
KOEL Society took virgin plastics from their community and transformed it into recycled plastic products that could be sold back to the community. By completing the loop of plastics use, they have been able to reduce the amount of plastics ending up in landfills and have reduced carbon emissions associated with the transportation of plastic waste.

Merlin Plastics
Merlin Plastics used its CleanBC Plastics Action Fund capital to upgrade its plastics recycling equipment. Merlin added an extruder to increase processing capacity at its Delta facility. These changes, in combination, increased Merlin's processing capabilities at its Delta facility by approximately 8,100,000 kilograms per year.

Metaspectral (MLVX Technology Inc.)
Metaspectral's project created a computer vision, robotics, and artificial intelligence system to enable the accurate sorting of consumer plastic waste. This system was designed to be installed on recycling processing lines to enable the user to sort plastics in real-time to a high degree of accuracy. In addition, a web-based dashboard was developed to aggregate data and display results to customers.

Plascon Plastics
Plascon Plastics' project centered around designing child-safe packaging for cannabis products from recycled plastic materials. Plascon's project enabled the company to become a one-stop-shop supplier for customers looking to use eco-friendly packaging solutions.

Reclaim Plastics
Reclaim Plastics focused on recycling plastics in vehicles damaged in accidents or at the end of their product life (end-of-life vehicles). Reclaim Plastics used its CleanBC Plastics Action Fund capital towards scaling up its operations, increasing their capacity to recycle more plastics and sell the raw materials to actors looking to use PCR plastics instead of virgin plastics.

Recycling Alternative
Recycling Alternative offers highly localized urban solutions for processing PCR plastic in Vancouver, reducing GHG emissions associated with transporting waste. Through their CleanBC Plastics Action Fund project, Recycling Alternative invested in new equipment increasing their recycled plastics processing capacity.

The Rogerie
The Rogerie used 3D-printing to produce everyday products from 100% recycled Canadian plastic waste. The Rogerie's CleanBC Plastics Action Fund project involved purchasing a small injection molding machine and conducting product development with a new range of recycled plastic types. This project ultimately enabled them to develop new, in-demand, 3D printed products.

PHASE 2 PROJECTS (Concluded March 2024)

ABC3D (Advanced BioCarbon 3D Ltd.)

ABC3D aims to reduce plastic waste and lower the high cost of housing by commercializing 3D printed modular affordable houses made from upcycled PCR plastic enhanced with bio-additives, such as lignin and hemp fibers, from ABC3D's proprietary biorefinery located in Trail BC. ABC3D aims to change the public conceptions of how recycled plastic can be utilized by demonstrating plastic waste as a viable resource to be used in home construction.

Circular Solutions Inc. (Reusables Co.)

Reusables' project is to scale-up the cleaning capacity and accessibility of reusable packaging across food businesses and industrial, commercial and institutional (ICI) organizations in British Columbia (e.g. university campuses, hospitals, and film production sets). Plan to expand the accessibility of the reuse network to 200 locations in B.C., including locations and cleaning sites in remote and indigenous communities. This project will increase reuse capacity to 100,000 containers per month by the end of 2023, translating to 70,000 kilograms of plastic waste and 23 metric tonnes of C02 emissions avoided each month.

Eco Refillery

The project is to expand reuse options and to open a second location in a community in Metro Vancouver to provide consumers in this market with a zero-waste plastic refill store. Funds will be used to pay for capital expenditures needed to pay for leasehold improvements, including installation of equipment for proprietary refill stations, store fixtures, contractors for construction, and salaries for project staff.

Fresh Prep

The purpose of Fresh Prep's project is to build a robust operational system that can aid in the implementation of a sustainable closed loop system. The outcome of this project will see an increase in the use of PCR plastics in Fresh Prep's manufacturing and product line, and a great reduction in single-use plastics. This will be achieved through a modification to the existing dishwashing solution, a new closed loop recycling program, and an expansion of the business model.

K-C Recycling LTD

The project is to acquire and install new machinery which will allow K-C Recycling's plastic and battery recycling plant to accept three streams of plastic waste and generate 3,500,000 kilograms of PCR plastic annually: 2,500,000 kilograms of battery cases, 500,000 kilograms of car seats, and 500,000 kilograms of paint buckets. The new capabilities of the recycling plant will include plastic shredding, water washing system, decontamination in float/sink tank and drying systems.

Metaspectral (MLVX Technology Inc.)

Currently, sorting plastic milk containers from other plastic containers is a manual task. This project aims to develop and install technology specifically capable of separating plastic homopolymer HDPE (found in plastic milk containers) from other HDPE containers made of copolymer HDPE in an automated fashion. The project aims to automatically sort homopolymer HDPE from copolymer HDPE plastic with an accuracy superior to 90%.

Ocean Legacy Foundation

The project focus is on addressing marine plastic waste by increasing on-site processing capacity, developing new processing capabilities (nylon), installing in-house testing facilities, and creating employment opportunities in rural and remote areas. Further, the project seeks to increase internal capacity to process marine plastics at centralized facilities. Ocean Legacy has developed a provincial strategy to address this waste stream by establishing a network of collection centers located in rural and remote areas.

Plascon Plastics Corporation

The objective of this closure project is to create a threaded tamper evident closure for the distilled spirit market that is made from 100% recycled material. This project seeks to introduce PCR into a product where PCR is not present today in the marketplace.

Sharewares

The project goal is to upgrade the current centralized washing facility to process up to 100,000 reusable products per day to meet the capacity of big brands, festivals, stadiums, etc. The upgraded facility would be able to serve more ICI sectors. This one-time scale-up can serve as a model for other regions, with plans to share learnings and outcomes to replicate and build large scale facilities around BC.

The Rogerie
This project will be solely focused on the tangible work of constructing and launching a custom 3D-printer capable of producing items up to 3x3x6 feet into production. As a concrete mark of project completion, we plan to produce and sell the first 100% recycled bathtub.

VanWaste Co.
VanWaste Co. will increase PCR production capacity of HDPE and PP and produce new PCR options in HDPE and PP that can be used by customers for a wider range of possible applications. Funding will be used towards buying new equipment for the plastics recycling plant and the associated installation costs. This equipment includes recycling equipment such as wash line equipment, grinders, optical sorters, and deodorizing equipment. Once the equipment is fully installed, it will allow: (1) produce an additional 2,000,000 kilograms per year of recycled HDPE and PP material; (2) optically sort all material run through the line to produce one additional grade of color material, and (3) further deodorize the incoming stream of discarded plastics such that the PCR produced will be more compatible to a wider range of customer applications.

Vitacore Industries Inc.
Vitacore will establish a 36,000 square foot factory and distribution center to serve as the hub of the company's PPE recycling program. The program provides recycling bins to small businesses, hospitals, and other organizations to collect masks and respirators. The collected materials are then shipped to Vitacore, where they are sanitized and processed into polypropylene pellets. These pellets are repurposed into construction materials, such as concrete reinforcement and textiles. The factory will have the capacity to process 12,500,000 masks and respirators every month.

Wenplastics (Wenyuan Canada Ltd)
Wenplastics plans to use the funding to install another production line, hire new personnel for more shifts, and fine-tune the existing production process. This project is assessed to increase overall production capacity to 80,000 kilograms per week. The project will increase overall production capacity by 100% within 18 months.