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## Projects funded by the Fisheries and Aquaculture Clean Technology Adoption Program








**i** The anticipatory call for request for proposals for FACTAP projects is now closed.








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The program aims to encourage the Canadian fisheries and aquaculture industries to use clean technologies and measures to improve environmental performance, without incurring large financial risks.

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Project title	Description	Recipient	Funding amount	Provincial partner(s)	Project number	Region
Cover installation to improve environmental performance	Installation of a large innovative and durable tarp structure that creates a barrier between trout and erratic weather and wildlife at the farm, thereby relieving stress on the fish and reducing feed and energy usage.	Cedar Crest Trout Farms	\$137,736	Ontario Ministry of Natural Resources and Forestry	<a href="#">FACTAP (Fisheries and Aquaculture Clean Technology Adoption Program)-2018-C026</a>	Ontario
Environmentally-friendly underwater production monitoring cameras	Purchase and installation of underwater cameras to allow for visual observation and monitoring during feeding at a freshwater cage operation to reduce negative environmental impacts from feed waste.	Aqua-Cage Fisheries Inc.	\$95,987	Ontario Ministry of Agriculture, Food and Rural Affairs	<a href="#">FACTAP (Fisheries and Aquaculture Clean Technology Adoption Program)-2018-C009</a>	Ontario

						
Hatchery upgrade	Installation of a fingerling hatchery in a container near a quarry pit, which will increase the supply of nutrients to the quarry. This will also reduce dependency on the activities of the hatchery on the local watershed.	Lyndon Farms Inc.	\$46,528		FACTAP (Fisheries and Aquaculture Clean Technology Adoption Program)-2021-C011	Ontario
Improved salmon processing	Acquiring an automated salmon filleting machine and grinder to be able to handle the annual increase in salmon fillet processing. The new equipment would reduce water usage by 47% and electrical products such as crustaceans and molluscs.	SMML Holdings Inc. (Steelheard Food)	\$173,000		FACTAP (Fisheries and Aquaculture Clean Technology Adoption Program)-2022-C006	Ontario
Increase production capacity	Installation of water turbines to capture natural water flows to increase oxygen levels and reduce overall energy consumption.	Lyndon Fish Hatcheries	\$22,072	Ontario Ministry of Agriculture, Food and Rural Affairs	2017-C002	Ontario

						
Installing state of the art processing technology	Installation of new dissolved air floatation system to improve waste water treatment and the installation of a new refrigeration storage facility to decrease CO <sub>2</sub> emissions by 175.2 tons and energy use by 15% to 20% annually.	Cole Munro Foods Group	\$1,000,000	Ontario Ministry of Agriculture, Food and Rural Affairs	2017-C001	Ontario
Integration of recirculating aquaculture system technology	Implementation of a recirculating aquaculture system technology into trout fingerling farming. This new system will reduce: <ul style="list-style-type: none"> <li>• power consumption by 25% annually</li> <li>• oxygen consumption by 35% to 40% annually</li> <li>• daily water use by approximately 85%</li> </ul>	Manitoulin Trout Farms Inc.	\$192,300	Ontario Ministry of Natural Resources and Forestry	FACTAP (Fisheries and Aquaculture Clean Technology Adoption Program)-2019-C014	Ontario
Integration of recirculating aquaculture system technology	Installation of a recirculating aquaculture system. The implementation of this technology will increase production capacity while reducing carbon emission, energy consumption, and water usage.	Cedar Crest Trout Farms Inc.	\$91,736	Ontario Ministry of Natural Resources and Forestry	FACTAP (Fisheries and Aquaculture Clean Technology Adoption Program)-2019-C027	Ontario

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New aquaculture system in a quarry pit	Installation of a new farm in a quarry pit using an optimized version of Izumi aquaculture's raceway technology, which has requires 90% less energy use and 98% less fossil fuels than traditional net-pen fish farming. The system will be built in plastic instead of wooden docks to elongate it's lifetime and more effecient air blowers will be installed.	Izumi Aquaculture Inc.	\$13,307		FACTAP (Fisheries and Aquaculture Clean Technology Adoption Program)-2022-C004	Ontario
New aquaculture system in a quarry pit with solar power system	Installation of a new farm that is not connected to the local watersheds. The project will use an optimized version of Izumi aquaculture's raceway technology, which has requires 90% less energy use and 98% less fossil fuels than traditional net-pen fish farming. The system will be built in plastic instead of wooden docks to elongate it's lifetime and more effecient air blowers will be installed.	Izumi Aquaculture inc.	\$435,000.00		FACTAP (Fisheries and Aquaculture Clean Technology Adoption Program)-2022-C005	Ontario

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Recirculating technology for improved water quality and filtration	Installation of a new rearing system in a 1.5 acre pond at a rainbow trout and smallmout bass fry hatchery. The system will effectively concentrate and remove solids (faeces and non-ingested feed) with a pump creating a vacuum effect under the system.	John Caselton	\$44,097		FACTAP (Fisheries and Aquaculture Clean Technology Adoption Program)-2021-C003	Ontario

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