



Purchasing
Services
Branch

PURCHASE ORDER

YOUR INVOICE, PACKAGES AND ALL
CORRESPONDENCE MUST BEAR THE
FOLLOWING PURCHASE ORDER NUMBER

Page 1 of 2

ISSUED 2020/07/16		REQUISITION No. 34562		DOCUMENT No. PO-009196	
TO M.D. Charlton Company Ltd Box 153 Brentwood Bay, BC V8M 1R3 Attn Gray Email gray@mdcharlton.ca		DELIVER TO Ministry of Environment and Climate Change 2975 JUTLAND RD 1ST FLR PO BOX 9376 STN PROV GOVT VICTORIA, BC V8T 5J9 Attn BELANGER, MARCEL GUY Phone 778-698-4271			
FOR MINISTRY OF Ministry of Environment and Climate Change Strategy					SUPPLIER No. s.17
MINISTRY 048	RESPONSIBILITY 29820	ACCOUNT 31005	STOB 2000	PROJECT 2918003	LOCATION 000000
FUTURE 000					
INVOICE TO Ministry of Environment and Climate Change Strategy 2975 JUTLAND RD 1ST FLR PO BOX 9376 STN PROV GOVT VICTORIA, BC V8T 5J9 Attn Accounts Payable					
QUANTITY	DESCRIPTION			PRICE	AMOUNT
49 Each	Commodity:10 PATROL RIFLE SIG SAUER 716 G2 308 calibre			\$2,594.52	\$127,131.48
Gross Total:					\$127,131.48
GST/HST:					\$6,356.57
PST:					\$8,899.20
Subtotal:					\$142,387.25
Total:					\$142,387.25
(Canadian Dollars)					

Lauren Pinkerton

PURCHASING AGENT
Pinkerton, Lauren

as per quote # 4015539 (attached)

Purchase Order Terms and Conditions

1. The terms and conditions contained on this Purchase Order and the ITQ (under which this Purchase Order is issued) will constitute the full and complete agreement between the parties (the "Agreement").
2. The Contractor must promptly notify the Province at the Purchasing Services as noted on the ITQ if the order cannot be filled.
3. The Province reserves the right to cancel this Agreement, if promised or specified delivery is not met or if goods or services fail to meet specification requirements. Over shipments against this order may be returned with all freight charges to the Contractor's account. Order numbers must be shown on all invoices, packing slips and packages. Shipments must be accompanied by a properly completed delivery slip.
4. The Province has the right of inspection and approval. Inspection by the Province of advance samples shall not constitute final acceptance and the Contractor will remain bound by any warranties set out in the specification requirements. No substitutions are permitted unless previously agreed to by the Province and confirmed in writing.
5. The Contractor must indemnify the Province against any claim of any person, firm, or corporation alleging that the sale by the Contractor to the Province hereunder constitutes an infringement of patent rights, copyright or any other intellectual property rights.
6. The Contractor is an independent contractor and must indemnify, protect and save harmless the Province, its agents, employees, successors and assigns from any and all damage, liabilities and claims of whatsoever nature which are based upon, arise out of or occur, directly or indirectly, by reason of, any act or omission by the Contractor or by any of the Contractor's agents, employees, officers, directors or subcontractors, in connection with providing the goods or the services covered by this order or incidental or ancillary thereto.
7. The Contractor must not change prices, terms or conditions without the prior written permission of the Purchasing Agent as noted on this Purchase Order.
8. The Agreement is governed by the laws of the Province of British Columbia.
9. Notwithstanding any other provision of the Agreement, the payment of money by the Province to the Contractor under the Agreement is subject to: a) there being sufficient monies available in an appropriation, as defined in the FINANCIAL ADMINISTRATION ACT, RSBC 1996 Chapter 138, as amended from time to time (the "Act"), to enable the Province, in any fiscal year or part thereof when any payment of money by the Province to the Contractor falls due under this Agreement, to make that payment; and b) Treasury Board, as defined in the Act, not having controlled or limited expenditure under any appropriation referred to in subparagraph (a) of this paragraph.
10. The Contractor must not provide any goods or services to any person which in the Province's reasonable opinion could give rise to a conflict of interest between the Contractor's duties to that person and the Contractor's obligations to the Province under the Agreement.
11. Time will be of the essence in this Agreement.
12. The Contractor must comply with all applicable laws in providing the goods/services specified.
13. Payment terms are subject to the Province of British

Columbia's interest on overdue accounts payable regulations.

14. The Province is dedicated to successful negotiation with the Contractors to resolve any conflict arising in the performance of this Agreement. In the event of unsuccessful informal negotiations however, the following clause applies:

All disputes rising out of or in connection with this contract, or in respect of any defined legal relationship associated therewith or derived therefrom, will be referred to and finally resolved by arbitration administered by the British Columbia International Commercial Arbitration Centre pursuant to its Rules of Procedure.

The place of arbitration will be Vancouver, British Columbia, Canada.

**MDC**Law Enforcement & Military
Equipment Distributors

Box 153, Brentwood Bay BC V8M1R3

Phone: (250)652-5266 Fax: (250)652-4700

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BILL TOMinistry of Environment - Conservation Officer Serv.
PO Box 9376 Stn Prov. Gov't.
Victoria, BC
V8W 9M1
Tel : 250-

Quote
4015539

Date	2020-07-02
Customer	COVICT
FOB	DESTINATION
Page	Page 1 of 1

SHIP TOMinistry of Environment - Conservation Officer Serv.
PO Box 9376 Stn Prov. Gov't.
Victoria, BC
V8W 9M1
ATTN

Customer PO		Sales Person	Order Date	Ship Via	Account#	Terms
			Jun 24, 2020			NET 30
#	Ordered	Item	Item Description		Unit Price	Amount
1	49	SIGLWR716G2-16B-P	SIG716G2, 7.62 NATO, RIFLE, 16IN, PATROL, BLK, SEMI 1X 20RD MAG		\$2,594.52	\$127,131.48

Order Comment

Thank you for your inquiry, I appreciate your business and look forward to hearing from you. If you wish to place an order, please quote the number at the top right corner of this page.

Gray
(604) 315 5057
gray@mdcharlton.ca**Shipping Comment**Marcel Belanger
Inspector
778-698-4271
778-677-5333
Marcel.Belanger@gov.bc.ca

Sub total	\$127,131.48
Freight	\$0.00
GST 103609160	\$6,356.57
PST 10014069	\$8,899.20
TOTAL CAD	\$142,387.25

THIS IS ONLY A QUOTE, NOT AN ORDER
IT IS VALID FOR 30 DAYS. AFTER THAT A NEW QUOTE MUST BE NEGOTIATED

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Withheld pursuant to/removed as

s.16

Page 030 of 165 to/à Page 032 of 165

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s.16 ; s.22

Page 033 of 165 to/à Page 034 of 165

Withheld pursuant to/removed as

s.16

Subject: Authorized sole Canadian distributor and warranty center

Reference: M. D. Charlton

Date: January, 16 2019

To Whom It May Concern,

In February of 2012 SIG SAUER, Inc. added M.D. Charlton as a distributor of its products for Law Enforcement, Government, Military, and Private Security Sales in Canada. With over 30 years of experience in the Law Enforcement, Military and Commercial firearms market, M.D. Charlton represents the business model SIG SAUER wants to project in the Canadian market. M. D. Charlton is the sole Canadian Distributor for Law Enforcement, Government, Military, and Private Security Sales. In addition, M.D. Charlton is the only Canadian Distributor authorized by SIG SAUER, Inc. to do warranty repairs and service to SIG SAUER products.

Respectfully,



Tom Jankiewicz
Executive Vice President, Law Enforcement Sales
SIG SAUER, Inc.



CONSERVATION OFFICER SERVICE

Needs Analysis – Acquisition Proposal for Patrol Rifles **BC Conservation Officer Service**

Prepared by Inspector Mark West /
Inspector Wade Lymburner
August 2019

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Executive Summary

This document outlines the rationale for the BC Conservation Officer Service (COS) to transition from its current 30-06 calibre bolt action rifle to a modernized rifle platform. The current 30-06 calibre bolt action rifle no longer meets the needs of the COS, and there are significant liability issues for the COS and the Province of BC associated with maintaining the current 30-06 bolt action rifle. This document will outline the advantages of replacing these firearms with a semi-automatic patrol rifle, which is being used by many other law-enforcement agencies in Canada and elsewhere throughout North America.

The COS is one of several law enforcement agencies in British Columbia. They are a uniformed, armed service, plainly visible as law enforcement by the nature of their uniforms and equipment. They enforce many Federal and Provincial statutes and respond to public safety matters. They also are the primary first responder for reports of conflict between humans and dangerous wildlife throughout the Province and in adjacent jurisdictions when requested.

Currently, the COS utilizes a variety of firearm platforms to achieve their mandate. Each Conservation Officer is issued a Glock 40 caliber semi-automatic pistol, as well as a Remington Model 870 pump action shotgun and a 30-06 calibre bolt action rifle. The current 30-06 bolt action rifles in use by the COS are outdated and no longer sustainable as a viable firearm platform in the future.

Replacing the current rifle will modernize the inventory by removing 30-06 bolt action rifles that are +30 years old, standardize the platform to a single manufacturer/model as well as maintain consistency with other law enforcement agencies in Canada.

Bolt action rifles are recreational firearms, designed for hunting and shooting at a distance, during controlled circumstances. They are unable to deliver multiple shots in a timely, consistent, accurate manner by nature of their operating system and design. As the primary first responder agency addressing human - wildlife conflicts, and law enforcement services, the circumstances faced by responding Conservation Officers are often dynamic and fluid and require a firearm more suited to those tasks.

The patrol rifle is a tactical firearm platform, designed to deliver multiple projectiles with accuracy and reliability in dynamic situations. This modernization of the COS rifle inventory will enhance public and officer safety as officers will be properly equipped to appropriately respond to calls for service. The use of a patrol rifle will enhance the officer's existing training and experience.

This report recommends that the current 30-06 calibre bolt action rifles be replaced by patrol rifles. The current 30-06 rifle is not suitable for law enforcement duties and places the responding officer, their fellow officers and the public at significant risk of injury or death. Other law enforcement agencies have already switched to patrol rifles in recognition of these risks. In the case of the COS, these risks are even greater, given their additional duties related to human/wildlife conflict. Failure to transition to the patrol rifle platform will result in significant liabilities for both the COS and Province of BC.

Background

The British Columbia Conservation Officer Service (COS) is responsible for delivery of natural resource law enforcement and public safety including the response to public complaints of dangerous wildlife and their interaction with humans, throughout the Province of BC. The COS is a leader across North America in responding to mauling's and attacks on humans by large predators. There is no other provincial agency in BC that is trained, equipped or expected to respond to these dangerous situations.

All members of the COS are appointed with a Special Police Constable appointment (SPC) to enforce various Provincial and Federal legislation. Currently the COS enforces over 30 Federal and Provincial Statutes. As part of this expanded role Conservation Officers conduct regular patrols and investigations. They routinely work alone, in extremely remote areas of the Province, with limited or no backup readily available. They may have to initiate an investigation related to illegal firearms, controlled substances, impaired driving and assist the RCMP in the smaller communities where there is limited back-up for those officers in all aspects of policing services. These situations vary in scope and may include assisting in the execution of search and arrest warrants or responding to violent circumstances to maintain officer safety until other officers arrive. In some areas, the COS has participated in "Active Shooter Training" for hostage incidents, alongside their RCMP comrades.

The COS has been armed since 1905. Today each CO is issued three types of firearms, a Glock 40 caliber semi-automatic pistol, a 30-06 caliber bolt action rifle and a Remington model 870 pump action 12-gauge shotgun. These are their standard issue firearm platforms and ones that they are required to qualify on annually. There are numerous other assorted firearms available to officers for speciality services and deployments. All these firearms are utilized for law enforcement, human wildlife conflict response and public safety throughout the province.

Current Firearm Inventory for COS

Conservation Officers are issued and carry the following firearms as standard issue:

- Glock Model 22, 40 S&W caliber pistols. (one make/model)
- Remington Model 870 pump shotgun in 12 gauge. (one make/model)
- Remington Model 700 or Ruger M77 or Winchester Model 70 bolt action rifle in 30.06 caliber. (multiple manufacturers/models)

Conservation Officers have access to the following firearms for specialty duties:

- Large caliber bolt action rifles for response to grizzly bear and bison in bolt action
- 22 magnum caliber bolt action rifles for smaller wildlife
- Modified bolt action 30-06 caliber rifles for the Houndsman Program

Current Training and Recertification

Western Conservation Law Enforcement Academy (WCLEA)

The COS is a member of the Western Conservation Law Enforcement Academy (WCLEA). This is a training academy that provides education services to natural law enforcement agencies from Manitoba, Saskatchewan, Alberta and British Columbia. During this period, new officers are fully trained in all firearms. This training meets or exceeds other law enforcement agencies in Canada.

To use, carry and possess agency firearms officers are required to complete the following:

- Successfully complete Sidearm Training - eight-day in-service training course.
- Successfully complete Shotgun Training - three-day in-service training course.
- Successfully complete Rifle Training - one day in-service training course.

BC Police Training Standards (Voluntary Compliance)

The COS is defined as a “non-police” agency in BC. They derive their law enforcement authorities under the Environmental Management Act and their appointment as Special Provincial Constables (SPC) under the BC Police Act. Despite being a non-police agency in BC, the COS voluntarily complies with the same firearms and use of force training standards as police agencies, as outlined in the BC Police Training Standards. This includes elements of the use of force continuum as well as de-escalation training and officer safety tactics. This framework of oversight and standards ensures that COS officers can articulate their rationale and defend their actions when use of force situations take place.

Every year after their initial training, officers must complete a mandatory firearms recertification which includes one day rifle/shotgun training and one day in-service pistol training to test and maintain a level of proficiency with all firearms. The firearms training standards of the COS meet, and in some cases, exceed the requirements of the BC Police Training Standards.

Differences between 30-06 bolt action rifle and Patrol Rifles

Patrol Rifle:

A patrol rifle is a tactical firearms platform. It is a lightweight firearm, able to fire repeatedly through an automatic reloading process but it is limited to one shot per trigger pull. The patrol rifle is also referred to as a carbine or semi-automatic rifle. These firearms function exactly like any other firearm; however, they are semi-automatic action only. They are available in a variety of calibers and can carry multiple rounds (generally between 10-20) depending on the magazine configuration. They are ambidextrous and have a stock/frame designed for mounting optics and lights as well as being adjustable for use by multiple officers.

Over all, these rifles are smaller and lighter in weight compared to a typical full-length hunting rifle using the same ammunition. Their firing and reloading mechanism takes advantage of the recoil energies that occur when a round is fired, essentially reducing the recoil encountered by the user. The semi-automatic function allows for quicker target acquisition and the ability to effectively deliver multiple

rounds quickly for the removal of a threat such as a charging bear. By virtue of their design, they can be mounted with a scope, while still maintaining the ability to use their open rifle sights. This allows them to be used for close in and well as long distance shooting situations, simultaneously. Additionally, their relatively short length allows them to be used in confined areas such as heavy brush or other areas where the user's movement may be restricted by the environment. Tactically, the use of a single, consistent firearms platform also allows the sharing of magazines and/or rifles between individual officer in emergency situations, increasing overall officer safety.

Though this firearm may give the appearance of a military armament, they are not military assault rifles, capable of fully automatic, "machine gun" style, firing. As a tactical firearms platform, they do take advantage of various other military specifications regarding quality, reliability and accuracy, which make them an ideal law-enforcement tool.

The patrol rifle is ideal for law enforcement agencies seeking to deploy a single, standardized rifle platform, while still allowing for the individual officer to adjust the stock to meet their own sizing needs.

30-06 Bolt Action Rifle

The 30-06 bolt action rifle is the current rifle platform of the COS. 30-06 refers to the calibre of the ammunition used in this type of firearm. It is a recreational firearms platform, generally used for hunting large animals for sport. It has a role within the military and/or law enforcement realm as a long-range tool for sniper operations, generally after being extensively modified. The bolt action mechanism requires the user to manually manipulate the bolt action to reload the firearm after each shot. It is slower to operate, designed to carry only four rounds in the magazine and has significant recoil when fired. These attributes equate to significant sacrifices in target acquisition and the ability to shoot multiple rounds quickly. The firearms are not ambidextrous, and the stocks are not adjustable. They may have to be permanently altered to suit an individual officer. These rifles are heavier and longer than patrol rifles. Experience within the COS has demonstrated that in a charging bear scenario, officers would likely only be able to deliver one round before coming into physical contact with the animal.

Currently, much of the COS inventory of 30-06 rifles are over 30 years old. There is no single, consistent manufacturer or model being deployed. Given the relative age of this platform, some manufacturers no longer provide individual parts for the replacement of components and an entirely new firearm is required to address basic repair issues. Additionally, given the variety of manufacturers and models, there is virtually no ability for officers to share magazines and/or rifles in emergency situations. This firearm is not suitable for general duty law enforcement duties.

Officer Safety Concerns – Law Enforcement Mandate

As a member of the law enforcement community in British Columbia, BC Conservation Officers are peace officers. All members of the COS are appointed with a Special Police Constable appointment (SPC) to enforce various Provincial and Federal legislation in the Province of British Columbia. Like other first responder law enforcement agencies, COS officers provide a visible, uniformed presence while responding to calls for service. Aside from their shoulder patches, they look identical to all other policing agencies in British Columbia. They wear body armour, carry sidearms, and wear uniforms which, to the general public, appear identical to a police officer. As a result, BC Conservation Officers, may, and in many cases do, respond to situations that would otherwise fall into the primary mandate of policing agencies, not that of the COS. In these cases, the individual Conservation Officer needs to be equipped to address any active public safety threat that may present itself. Therefore, the COS officers are trained to the same standards as policing agencies in BC. This includes elements of the use of force continuum as well as de-escalation training and officer safety tactics. The COS also falls under the landscape of law enforcement agencies subject to investigation by the Independent Investigations Office of BC. As a member of this large law enforcement family, it is important that the COS take advantage of the experience and advances achieved to keep its officers and the public safe.

Although the likelihood of a Canadian law enforcement officer needing to discharge their firearm on duty is extremely rare, it has been increasing in recent decades. Despite this trend, all officers must be trained and prepared to use lethal force while on duty. The modernization of firearm platforms for law enforcement agencies in Canada is a constant process, impacted by events encountered by officers, the trends taking place in society and the results of independent studies and reviews that take place within the judicial or academic communities. Examples of these studies and reviews in recent history include the MacNeil Report which outlines the recommendations made after the death of several RCMP officers in Moncton, NB. This report (Appendix 2 - MacNeil Report recommendations) significantly impacted the transition to patrol rifles for the Canadian law enforcement community. As a result, most law enforcement agencies, both in British Columbia and Canada, have transitioned to the patrol rifle as a standard issue firearm for their officers.

This transition is also underway within the agencies tasked with natural resource law enforcement in Canada. Currently a scan of the North American Wildlife Enforcement Officer Agencies indicates that the majority have either transitioned or are considering transitioning to the patrol rifle platform to enable officers to effectively and safely respond to and assist in, human wildlife conflicts and public safety incidents.

Officer Safety Concerns – Human Wildlife Conflict Mandate

In addition to their law enforcement mandate, the COS officers are also tasked as the primary first responders to conflicts between humans and dangerous wildlife. Unlike police officers, the likelihood of a Conservation Officer discharging their firearm while on duty is a routine and expected part of their operations. It is anticipated that a Conservation Officer will discharge their firearms hundreds of times, in both rural and urban environments, over the course of their careers.

Managing human wildlife conflict in the COS is focused on prevention and attractant management. Unfortunately, large predators that become habituated to attractants become less afraid of humans. The conflict occurs when large, habituated predators encounter humans and/or their surroundings. Policing agencies may be notified of these instances by the public, however these officers are not trained for these types of encounters, nor are they within the mandate of policing services in BC. These calls for service are directed to the COS. When members of the public

report wildlife conflicts, attending Conservation Officers assess the circumstances being reported to them. This assessment may occur when the officer attends the area or may occur over the telephone. The officer may not know if this predator is habituated, sick or injured, as this assessment is largely based on the information provided by the member of the public and the reported behaviour of the animal. In some instances, the predator has been wounded by the complainant in the protection of property or human life.

It is important to understand that the behaviour of wild animals is different than that of humans. They generally do not respond to de-escalation techniques or communication. Habituated predators are goal oriented and the presence of a Conservation Officer is no different than any other human they have already encountered. The situations represent a significant danger to Conservation Officers and the public. In many situations, a habituated predator will need to be destroyed to maintain public safety and prevent further conflicts.

On average the COS receives over 600 grizzly bear complaints, over 2900 cougar complaints and over 17,000 black bear complaints annually. Of these, based on the assessment results, officers physically respond to 25% (approx. 150) of reported grizzly bear calls, 17% (approx. 494) of reported cougar calls, and 11% (approx. 1870) of reported black bear calls annually. Yearly, on average, Conservation Officers destroy 23 grizzly bears, 97 cougars and 438 black bears. In addition to these conflicts, numerous wildlife (deer, moose, elk, etc.) are injured by the public due to motor vehicle impacts, train hits and other situations. In these cases, Conservation Officers are often called upon to attend and destroy the animal as quickly and humanely as possible. In all these instances the animals are destroyed using a firearm (shotgun or rifle). During most of these instances, officers are within 100 feet of the animal and rarely must shoot beyond 100 meters.

Overall, there is an upward trend in reported human/wildlife conflicts reported to the COS.

There have been two recent incidents where Conservation Officers were injured by dangerous wildlife during their duties. In both incidents, the use of a patrol rifle, instead of a 30-06 rifle, would have had a positive impact on the outcome and very likely prevented injury to the officers. These instances are outlined below;

CO Corbett Incident

In October 2018 Conservation Officers responded to a grizzly bear that was wounded from a gunshot while it charged a member of the public. Four Conservation Officers, using three bolt action 30-06 rifles, and one using a pump action 12-gauge shotgun were tracking the injured bear. During the search for the grizzly bear it presented itself and charged CO Corbett. CO Corbett inadvertently put his safety on and when he was ready to fire at the bear he delivered only one round. The bear made contact with CO Corbett and was biting CO Corbett's left hand. CO Corbett used his pistol and shot the bear numerous times in the head and neck area while his hand was in the bear's mouth. In the resulting WorkSafe Report, one recommendation identified a need to explore other firearm platforms, specifically a semi-automatic rifle with a removable scope option. (Appendix 3 - OHS Report Recommendations)

CO Anderson Incident

Conservation Officers responded to a black bear complaint where the black bear had made physical contact with a member of the public. Responding officers dealt with a female black bear with cubs. The female bear was shot but it did not immediately die from the first round. It was on the ground alive and close to CO Anderson when it attacked her, causing damage to her legs. (See Appendix 4 OHS Report Recommendations)

In both cases, the availability of a patrol rifle could have mitigated the injuries to the responding Conservation Officers by having the ability to shoot additional rounds before coming into physical contact with the aggressive animal.

Humane Destruction of Wildlife

Any response to a human wildlife conflict requires an assessment of the risks to the officer and public. It is important that the way the officer addresses the conflict does not increase these risks. Should the officer's assessment result in the decision to destroy dangerous wildlife, it is critical that this happen in a humane, timely and controlled manner. If accomplished appropriately, the animal will be destroyed with a single shot, without fleeing the area.

Currently, with the existing 30-06 bolt action rifle, a misplaced shot can result in an injured, dangerous animal. During these instances the adrenaline level of the animal increases, fueling their ability to leave the area. This can result in the animal attacking the officer, running into traffic or into the bush, requiring the officer to initiate a search of a wounded, dangerous animal. The officer has lost control of the circumstances in this situation and the animal is suffering as a result. Having the capacity to deliver multiple rounds, in a timely manner will prevent the situation from deteriorating, while mitigating risk for both the officer and public. It will also ensure the humane, timely destruction of the animal while preventing un-necessary suffering.

Law Enforcement Transition to Patrol Rifle in Canada

Currently in BC, the RCMP, municipal police agencies and the BC Sherriff Service all use a patrol rifle platform. Law enforcement agencies such as the RCMP and other municipal Police agencies have adopted a smaller caliber rifle such as the .223 caliber. This is due to the specific nature of their duties. In the natural resource law enforcement community, the 7.62 mm (.308 caliber) is the choice of round to respond to large predators in conflicts involving humans. This is for the safety of the public, safety of the responding officer and overall humane treatment of the offending animal (humane euthanasia).

Blue Line Magazine, the leading Canadian law enforcement publication, researched the issue of agencies transitioning to a patrol rifle platform in December 2017. They concluded that most Canadian agencies have already made the transition. They described this transition as the "single biggest advancement" in law enforcement firearms in Canada. These firearms can now be found in almost every law enforcement vehicle in Canada.

Currently, in Canada, most Conservation/Wildlife Enforcement agencies are examining the transition to a patrol rifle platform. These include Alberta Fish and Wildlife officers (piloted and awaiting final approval), Manitoba (examination stage), and the Yukon (trial stage). Saskatchewan Conservations Officers have completed their examination and have fully transitioned to the patrol rifle platform.

Issues with Maintaining / Refreshing the Existing 30-06 Rifle Platform

As with any large organisation, acquiring enough tools and equipment generally requires the ability to access enough stock to meet the need of the organization. The COS is experiencing increasing problems procuring suitable numbers of replacement 30-06 rifles. These problems fall into a variety of categories including;

Limited Availability:

Purchases must be made through multiple dealers to acquire the number of firearms needed. Therefore, the COS has had to purchase and deploy a range of different 30-06 rifles, resulting in an inconsistent and varying inventory of these firearms.

Adaptability:

Costly modifications are required for each firearm to ensure it becomes an effective tool for the officer it is issued to. This may include modifications of the stock, optics, and length. The rifle would have to be modified again, if re-issued to another officer. The COS estimates regarding these modifications are outlined elsewhere in this document (see Appendix 5: COS ting and Logistics)

Limitations of the 30-06 rifle platform:

As a recreational firearms platform, the 30-06 rifles are available to the public and hunting communities. Manufacturers build their firearms to service this demographic while meeting legal restrictions imposed by law. These include limitations on magazine capacity, firing mechanisms, length, sighting configurations and other specifications. These limitations severely impact the ability to acquire or modify their existing 30-06 inventory, resulting in a firearm unsuitable for the needs of the COS.

Parts and Repair:

The current COS 30-06 bolt action rifle inventory is old. 80% of the 30-06 rifles are over 30 years old. As a recreational platform, the 30-06 rifle is not designed to withstand the demands of the law enforcement environment. An average hunter would use their rifle several times a year while a Conservation Officer will use it daily, either firing it or carrying it in their vehicle, over rough terrain. Given the frequency of their use and the environments they are used in, these firearms are consistently in need of repair and maintenance. In many cases individual parts are no longer available from manufacturers and the purchase of a completely new rifle is required. The patrol rifle platform is designed and built to meet the specifications needed by the military and law enforcement communities. The 30-06 rifle does not meet these standards.

Reduction in Officer Safety:

The variety of 30-06 rifles in the COS inventory has resulted in concerns over officer safety. Standardization and consistency of equipment leads to increases in safety and efficiency for an organization. The COS has already standardized its sidearm and shotgun platforms in a manner consistent with other law enforcement agencies. Efficiencies in training, maintenance, costs and officer safety have resulted. Acquiring a standardized rifle platform will achieve similar results.

Maintaining the existing inventory of 30-06 rifles will address none of the issues outlined above. It will result in considerable costs and liabilities to the COS and Province of BC. It will not mitigate the risks outlined in this report. Purchasing a new inventory of 30-06 rifles will result in a similar consequence. Should the COS identify a single manufacturer of 30-06 rifles and purchase a single model in enough quantities, it will not address the inherent design shortfalls of this recreational firearms platform. Finally, research has determined that the cost of transitioning to a patrol rifle platform will, in many cases, exceed the cost of transitioning to a patrol rifle platform. (Appendix 5 - Costing and Logistics)

Business, Operational, and Societal Impacts

Business Impacts:

Will be focused on primary, internal stakeholders and will be limited to sourcing and procurement of the equipment/ammunition. If approved, the procurement process will need to be closely monitored to ensure consistent forward progression to meet proposed implementation time lines.

Operational Impacts:

Will be addressed in a phased approach. Training of the existing COS firearm instructor cadre will occur first, as they will be delivering the material to all other COS officers. This is consistent with all other firearms training in the COS. Once the instructors are trained, development of a course training standard and associated policies, which adhere to the requirements of the COS and government will be created. Delivery of the training associated to this transition, to all COS officers may take up to two years to complete, given operational requirements and other duties impacting officer attendance.

The COS is familiar with this process when it replaced its .357 caliber revolver with its current Glock 40 caliber semi-automatic pistol because of changes in the *BC Police Act* in 1996.

Given the potential change in the calibre of ammunition, should the patrol rifle transition take place, it is highly likely that the hard-ballistic armour panels worn by COS officers will have to be upgraded as well. The estimated costs associated to this change are outlined in Appendix 5.

Societal Impacts:

As outlined earlier in this document, most law enforcement agencies in Canada have already transitioned to a patrol rifle platform. These firearms are now commonly observed by the public as officers attend calls for service. There have been no significant negative impacts of this transition at the macro level.

The COS may receive some questions from the public regarding this transition, however it is expected that proactive communication efforts between the COS Strategic Communications and Provincial Communications will address these queries. Similar transitions have resulted in communications surrounding compliance with the recommendations of the MacNeil report, and commentary about typical circumstances where these firearms may be used by officers. Conservation Officers would have to be trained on how to deal with inquires when in the field as well as standard messaging with the COS media representative.

Risks to COS and Government of BC

The risks of not transitioning to a new patrol rifle platform are significant. They include:

- The ongoing risk to Conservation Officers, fellow first responders and the public being seriously injured or killed because of a failure to transition to the patrol rifle platform.
- Significant risk of legal action(s) against the COS or Provincial government for not properly equipping Conservation Officers, especially considering the MacNeil report recommendations and the issues highlighted in this report.
- Significant liabilities associated with assisting the RCMP or other police agencies in situations where the appropriate firearm is a patrol rifle.
- Increasing costs associated with maintaining the existing inventory of 30-06 rifles, considering that a more affordable and suitable alternative is available.

The MacNeil Report described the events of the Moncton shooting and highlighted several issues and decisions impacting the tragic outcomes of that day. Its multiple recommendations, including equipping officers with patrol rifles to increase officer safety, has changed the conversation regarding how law enforcement agencies train and equip their officers in Canada. The COS, as a member of the larger law enforcement family, needs to be guided by these recommendations, as most other partner agencies have done.

RECOMMENDATION

Transition to a patrol rifle platform immediately – make, model and caliber to be selected upon completion of an evaluation process of various platforms.

Pros:

- a. The patrol rifle is adaptable and can meet current and future changes in law enforcement duties.
- b. Increasing the magazine capacity from four cartridges to 10 – 30 cartridges.
- c. The patrol rifle is adjustable to meet increasing differences in officer statures. The patrol rifle platform is also ambidextrous and has reduced recoil preventing possible injuries to officers.
- d. Sights and other accessories for the patrol rifle are available directly from the manufacturer to increase efficiencies and reduce costs.
- e. The patrol rifle is easier to shoot, resulting in increased training success by meeting existing standards in the first instance. This is a result of reducing felt recoil, increasing sight picture, and enhancing sight alignment.
- f. The patrol rifle is easy to disassemble, maintain, clean, and reassemble.
- g. The patrol rifle supplier/manufacturer routinely provides an industry respected operator and armourer course.
- h. Patrol rifle training can be completed in house once instructors are trained and will increase efficiencies and minimize costs.
- i. Enhancement of officer and public safety by having a proven reliable, accurate and functioning firearm – built to military standards for all types of weather conditions.
- j. Transition time line provides the opportunity spread the costs of acquisition and implementation across budget years.
- k. The existing inventory of 30-06 rifles can be auctioned off through existing ARI framework and funds returned to government.
- l. A timely and successful transition mitigates the officer and public safety risks outlined in this report.
- m. A timely and successful transition eliminates the significant liabilities currently facing the COS and Province of BC by continuing to use the 30-06 bolt action rifle.

Cons:

- a. Public perception may be negative which would need an appropriate messaging strategy.
- b. A onetime purchase of firearms, accessories and ammunition would be substantial.

Maintaining the existing 30-06 calibre bolt action rifle is not feasible. It no longer meets the needs of the COS and its continued use will not mitigate any of the risks identified in this report.

Transition Plan

Testing Completed to Date

The COS informally initiated a testing of alternate firearms in April 2019; eight COS firearm instructors completed a patrol rifle operator course where a variety of firearms were used. This exposure to a range of potential alternatives to the existing 30-06 platform was extremely valuable and highlighted the need for change.

The Alberta Fish and Wildlife Enforcement Branch conducted an exhaustive testing of various rifle platforms including bolt action, gas and piston operated rifles. They had identified two patrol rifles that would meet the needs of their agency. They have forwarded these recommendations to the Alberta government for consideration.

Transition Process and Time Line

(See Appendix 6: Desired Specifications and Transition Time Lines)

This project time line would consist of the following milestones:

1. Acquiring suitable patrol rifle platforms for testing and evaluation (Capital has been secured for the 19/20 fiscal) – IMMEDIATELY
2. Issuance and training of selected patrol rifles to COS Predator Attack Teams and firearm instructors for field testing – Completion by January 2020
3. Treasury Board submission and procurement of selected patrol rifles – Completion by July 2020
4. Issuance and training to all Conservation Officers – Completion by July 2021
5. Disposal of existing 30-06 rifles from COS inventory through BC ARI processes and return of funds to Province of BC – Completion by July 2021

The time line for the transition would be from August 2019 to full completion by July 2021.

Review and Approval

Review Process

To be reviewed by: Doug Forsdick
Chief Conservation Officer
Conservation Officer Service
Ministry of Environment and Climate Change Strategy

Approval Process

To be approved by: Jim Standen
Assistant Deputy Minister
BC Parks and the Conservation Officer Service Division
Ministry of Environment and Climate Change

Reviewer: _____
CCO Doug Forsdick

Approver: _____
ADM Jim Standen

Appendices

Appendix 1:

Definitions

Firearm - means a barreled weapon from which any shot, bullet or other projectile can be discharged and that is capable of causing serious bodily injury or death to a person and includes any frame or receiver of such a barreled weapon and anything that can be adapted for use as a firearm.

Bolt Action – of a firearm having a breech which is opened by turning a bolt and sliding it back.

Pump Action - denoting a repeating firearm, typically a shotgun, in which a new round is brought from the magazine into the breech by a slide action in line with the barrel.

Semi-Automatic – a firearm able to fire repeatedly through an automatic reloading process but requiring release and another pressure of the trigger for each successive shot.

Patrol Rifle – means a lightweight compact semi-automatic rifle or carbine, chambered in an intermediate caliber (.223, .30 Carbine, .308 cal.)

AR in AR-15 – means ArmaLite Rifle developed in the 1950's by ArmaLite Inc. and is trademarked.

Direct Impingement Gas – the action of the rifle takes place when gases exit a port in the barrel which directs the bolt rearward cycling the action/reloading the rifle.

Gas Piston – gas from the barrel pushes against a mechanical piston which works the action of the rifle reloading it.

Appendix 2:

Independent Review - Moncton Shooting - June 4, 2014

Submitted by: Assistant Commissioner Alphonse MacNeil (ret'd)

The entire Independent Report can be accessed from the following URL:

<http://www.rcmp-grc.gc.ca/en/independent-review-moncton-shooting-june-4-2014>

Recommendations (highlighted excerpts pertain to firearms)

- 5.1: Policy should be amended to state that where a general duty member is qualified in the use of a long-barreled firearm and where one is available; the member must ensure the firearm is in the police vehicle while on duty.
- 5.2: Firearms must be stored with sufficient ammunition.
- 5.4: Shotguns should be fitted with slings to enhance their deployment and safety.
- 13.1: It is recommended the RCMP take immediate action to expedite deployment of patrol carbines across the Force. This action must include significant and permanent augmentation of the Force's training capacity.
- 13.2: It is recommended the RCMP conduct a thorough analysis of the approval and procurement processes (including the research and development phase) relating to equipment that impacts officer safety. This analysis should include identifying an appropriate senior authority to take responsibility for such projects, establishing appropriately resourced project teams and setting deadlines for delivery.

Appendix 3:

OHS Report Recommendations – CO Matt Corbett

Recommendations

The following recommendations are made for the purpose of ensuring the safety of Conservation Officers and the public when dealing with wounded dangerous wildlife.

1. Use of civilian houndsman for searching wounded dangerous wildlife not be allowed unless exception made by Team Commander to ensure public safety.
2. The concept of reasonable care to the public could be achieved if the Conservation Officer Service had the ability to close crown land to the public for public safety reasons under the Wildlife Act. There are possible other means under the Forest and Range Practices Act to close crown land by the Minister of Forests, Lands, Natural Resources and Rural Development but the Conservation Officer Service does not have that authority. This process is cumbersome.
3. This incident highlights the need to explore other firearm platforms, specifically a semi-automatic .30 calibre firearm with a removable scope option. The current use of a bolt action .30-06 rifle and a pump action .12-gauge shotguns are slower in delivering rounds to a target. The .30-06 firearm comes with a fixed scope and with the bear being a metre away before being shot, the scope was a hindrance.
4. Refresher training is required at not only at the Pacific Regional Training Centre (PRTC) but can be done at either Regional or Zone meetings. This is to ensure staff is aware of Standard Task / Equipment Procedures (ST / EP) when responding to wildlife attacks.
5. New training should be developed for responding to a wounded dangerous wildlife with a single leashed dog.
6. First Aid kits equipped with tourniquets and combat gauze (blood clotting).
7. If on-going communications is required, may need to explore other communications platforms (i.e.) Iridium In-Reach device.
8. Members of the COS Critical Incident Stress Management (CISM) team to be made aware of the timeliness of their interaction with the Predator Attack Team (PAT). Operations Chief to communicate the appropriate time for interaction to occur.

Appendix 4:

OHS Report Recommendations – CO Hana Anderson

Recommendations

The following recommendations are made for ensuring the safety of Conservation Officers and the public when dealing with wildlife in urban environments at night.

1. Develop and implement new training for all Conservation Officers across the Province. Training needs to be developed in house to assist CO's in safe deployment of firearms and tranquilizer darts to deal with urban wildlife response. The training should include:
 - a. An Incident Management Intervention Model for urban wildlife response
 - b. Scenario based reality training related to urban wildlife response.
 - c. Decision Making Exercises officers would be tested on annually to confirm accurate decision-making ability.
 - d. Safe angles of shooting and shot placement for wildlife in urban environments.
 - e. Other considerations when tranquilizing or destroying wildlife in urban environments.
2. Policy change - Conservation Officers responding to wildlife conflicts at night in urban environments require trained back up and an approved .30 Calibre rifle or 12 gauge shotgun.
3. Ensure that safety issues found in this investigation are reviewed with the officers involved in the Predator Attack De-brief.
4. Inventory all COS patrol vehicle contents to ensure that all tactical load shotgun shells and any other non-issued ammunition are removed from operations.

Appendix 5:

Costing and Logistics

Up Fitting Existing Bolt Action 30-06 Rifles.

Up Fitting Task	Estimated Cost
Shorten barrel	\$200.00 to \$300.00
Addition of rifle sights	\$200.00 to \$300.00
Stock adjustment – wood only one-time allowance	\$100.00 to \$200.00
Adjustable stock – multi user	\$600.00 to \$700.00
Removable scope mounts	\$200.00
Standardized scope	\$550.00
Proper sling	\$100.00

The cost projection for up fitting the existing inventory is estimated at:

- \$1850.00 to \$2150.00 per rifle x 160 = \$296,000.00 to \$344,000.00. Cost may adjust lower depending on what modifications are required.
- Cost projection does not include the modifications to the firing mechanism. There is no upgrade for firing mechanisms only replace the rifle.

Replacement of Existing Rifle with New Modernized Bolt Action 30-06 Caliber

Task/Description	Estimated Cost
New base line 30-06 Remington Model 700 Rifle	\$1200.00
Adjustable Stock	\$600.00 to \$700.00
Shorten barrel	\$200.00 to \$300.00
Rifle sights	\$ 200.00 to \$300.00
Scope mounts and scope	\$750.00
Sling	\$100.00

The cost projection for replacing the existing inventory is estimated at:

- \$3050.00 to \$3350.00 per rifle x 160 units = \$488,000.00 to \$536,000.00. Cost may be lower depending the condition and age of the inventory. That inventory may be modified to the standard.

Purchase and Replacement of all 30-06 Bolt Action Rifles with a Patrol Rifle

This cost is based on the Alberta Fish and Wildlife quote and is an estimate:

- \$2556.18 per patrol rifle x 160 units = **\$408,988.00** (without lights, aim-point scopes)
- Several existing scopes can be adapted to the patrol rifle platform.
- **Additional costs would be incurred to purchase upgraded ballistic hard armour plates or dedicated body armour consistent with use of .308 patrol rifle. Exact cost to be determined.

Appendix 6:

Desired Specifications and Transition Time Lines

Any Patrol Rifle platform must meet the following needs, to be considered a viable platform:

- Ensure rifles and parts are readily available, in adequate numbers, for training existing and new officers when required.
- Ensure the rifle is adaptable and can meet future changes in law enforcement duties.
- Increase the magazine capacity from four cartridges to 10 – 20 cartridges.
- Ensure issuance of standardized, safe and accurate rifles.
- Ensure the rifle stock is adjustable to meet increasing differences in officer statures.
- Ensure sights and other accessories are available directly from manufacturer/distributor to increase efficiencies and reduce costs.
- Increase training success and help prevent officer musculoskeletal injuries by reducing felt recoil, increasing sight picture and enhancing sight alignment.
- Ensure the rifle is easy to disassemble, maintain, clean and reassemble.
- Ensure the rifle supplier provides an industry respected operator and armourer course.
- Ensure the rifle supplier can provide training in a timely manner at a location within the province of British Columbia to increase efficiencies and minimize costs.
- Enhance officer and public safety by deploying a proven reliable, accurate and functioning rifle.
- Ensure the firearm is acceptable and proven in the law enforcement community.
- An initial purchase of the 15 rifles will allow the Firearms Training Unit to complete appropriate instructor training, attend armorer courses and continue assessment prior to delivering provincially.

Time Line Estimate

This is a multi-year estimate to accommodate testing, supply and training.

Stages	Stakeholder	Date	Task	Outcome	Completion
One	COS Support Services and COS Firearm Section	August 2019	Acquire various patrol rifles for test and evaluation – loaners from manufacturers or distributors.	Patrol Rifle testing with accessories.	Immediately
Two	COS Firearm Instructors and Predator Attack Teams	August 2019	Issuance and training of selected patrol rifles to selected COS officers for field testing.	Patrol Rifle and accessories selection.	January 2020
Three	COS Support Services and BC Gov't Procurement	January 2020	Procurement and capital purchase requirements for the tendering on the patrol rifle selected.	Capital purchase completed.	July 2020
Four	COS Firearm Instructors	July 2020	Train and issue Patrol Rifle to all COS officers.	All COS officers transitioned to patrol rifle platform.	July 2021
Five	COS Support Services and BC ARI	July 2021	Disposal of existing 30-06 rifles from COS inventory.	Income from disposal returned to BC Government	July 2021



British Columbia

September 25th, 2019

From: Doug Forsdick
Chief Conservation Officer
Conservation Officer Service

To: Jim Standen,
Assistant Deputy Minister
Ministry of Environment and Climate Change Strategy

Re: Upgrade to Use of Force Equipment Needed

Given the current work environment of conservation officers, I conclude that the acquisition of patrol rifles and improved bullet resistant vests are required to ensure the health and safety of these officers. The patrol rifle will replace the current bolt action rifles. Currently a large inventory of bolt actions rifles will require replacement.

I have arrived at this conclusion after extensive review of available material including recent incidents, enquiry reports, and a recent report completed by Insp. Wade Lymburner and Insp. Mark West with the British Columbia Conservation Officer Service (BCCOS).

Due to the varied work carried out by conservation officers (law enforcement mandate / human wildlife conflict mandate), the attached BCCOS report has strong rationale for supporting patrol rifles and vests to reduce officer safety issues and liability to government.

In addition to the attached BCCOS report, I examined the findings detailed in the September 29, 2017 Provincial Court of New Brunswick decision regarding charges under the *Canada Labor Code*, 1985. The decision found that the Province of New Brunswick failed to ensure the health and safety at work of every person at work by failing to provide RCMP members with appropriate use of force equipment when responding to an active threat or active shooter event.

The New Brunswick decision details several critical shooting events where RCMP officers were killed or wounded performing police duties. Specifically, they were under-equipped to respond to situations involving known risk or death and/or bodily harm from assailants with rifles. The decision references the legal test of what could a "reasonable person" do in the circumstances. The decision notes that events have taken place where front line police officers are outgunned by assailants with long guns when their use of force tools are limited to side-arms and shotguns.

Ministry of Environment
and Climate Change
Strategy

Conservation Officer Service
BC Parks and Conservation Officer
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Across Canada, most police forces have added armor and patrol rifles to the equipment of front-line patrol officers.

Recent violent events against the public and police by suspects with long arms, requires law enforcement to have effective tools to protect themselves and the public. An unfortunate list of such events in Canada, and the conclusion that law enforcement equipment readily available may have helped mitigate the outcomes does not require exhaustive research to identify an easily understood work hazard involving longarms. A laymen's interpretation is that there is an increasingly common occurrence of violence against law in Canada and the United States of America involving long guns. Conservation officers current work environment includes contact with high risk individuals, often armed and in high risk situations.

Conservation officers in BC have been seriously injured on two occasions over the past two years while responding to human wildlife conflict complaints. Both of these incidents had the potential to have been fatal. The occupational health and safety reports associated with both of these incidents identified the need to review the current firearm in use.

To date it appears that conservation officers are not being significantly harmed on duty. It is however clear that the issue is not if but when, a conservation officer will be seriously injured or killed while conducting law enforcement duties if they are not properly equipped. Law enforcement is unpredictable and nothing can be done to remove all risk. Risk can however be mitigated with the use of proper equipment.

The conservation officer's current use of force equipment including bolt action rifles, sidearms and shotguns limit their response to close contact, and are not in line with the current equipment provided to enforcement agencies responding to similar calls for service. The New Brunswick decision details the limitations of officer response when only armed with sidearms and shotguns. In situations involving rifles, the RCMP and other municipal police forces must support their officers with sufficient capabilities to respond.

This purpose of this memo is to request support to provide conservation officers with up to date training and equipment to enable employees to be as safe as possible and reduce the risk of harm to them while addressing unpredictable violent conduct of clients, and in response to human wildlife conflict complaints.

The following is requested:

1. Approval to move forward with the purchase of 10-15 patrol rifles and 10-15 sets of enhanced body armour to be issued to select officers within the BCCOS. The funding for this capital purchase has been secured for this fiscal 19/20.

2. Approval to move forward with a treasury board submission to equip the remaining officers in the organization requiring these tools.

Please contact me if you would like to discuss further.

Regards,

A handwritten signature in black ink, appearing to read 'D. Forsdick', with a stylized flourish at the end.

Doug Forsdick
Chief Conservation Officer
Ministry of Environment and Climate Change Strategy

LIVE FIRE WITH MDC – Product demonstration day

MDC – Law Enforcement and Military Equipment Distributors

Wednesday, September 18th, 2019

The Range – Langley, BC

I was fortunate to be given the opportunity to attend this event along with Inspector Belanger, Inspector Lymburner and Sgt. Hanratty.

“The RANGE” is an indoor facility which allowed us to observe and go hands on with several different law enforcement products/firearms. Some of the presentations most applicable to the COS included;

Sig Sauer - Patrol Carbine

1. MCX – 5.56 NATO (.223) (Option chosen by Sask). Gas piston with rotating bolt.
2. 300 Blackout – Gas Piston with rotating bolt
3. Sig716 G2 Patrol 16”- 7.62 NATO (.308) Short stroke push rod w/multi position gas valve.

All three of the above listed firearms were available for demonstration, Sig Sauer had wanted to show case the MCX 5.56 NATO (.223) as it was the firearm chosen by Saskatchewan Conservation Officer Service. This firearm only comes in the 5.56 NATO round and is very lightweight and easy to shoot. The same could be said for the 300 Blackout which is a very compact lightweight rifle. Due to the two-position short stroke piston firing system, both firearms have a folding stock which makes them very compact for easy transport and storage. With further discussion on what the duty requirements of the BC COS are it was suggested we look at the Sig 716 Patrol rifle which is a 7.62 NATO (.308) calibre carbine. This rifle has a 20-round capacity with ambidextrous controls, it was easy to operate with very little recoil. We were able to shoot the rifle using a mini red dot scope with separate Juliet4 magnifier. This system allows the shooter to use the quick aim point for close quarters shooting with the option to manually flip the Juliet4 into place which adds magnification to the red dot scope and allows for any longer distance, sighted shots that may be required.

I believe the .308 calibre rifle is a more versatile calibre and the more suitable option for the BC COS. The 716 G2 Patrol weighs about 9 lbs and due to the push rod firing system does not have a folding stock option. All Sig carbines have been tested in severe cold and adverse weather conditions with little or no impact to the function of the firearm. Sig rifles are built with the operator in mind, easy to disassemble for cleaning and maintenance, screws are captive (locked) so they can't be lost, and high wear parts are easy to replace and readily available. The Sig rep advised that a free armours course is offered to the agency with the purchase of Sig Sauer firearms.

Point Blank – SBA

Live fire demonstrations with multiple calibres were fired into the Point-Blank SBA product from various distances and angles. It was an excellent opportunity to see first hand just how well these vests work and provided a high level of confidence in the protection they provide. Ballistic plates were also demonstrated to stop bullets from a .223 rifle at point blank range and they have plates which are rated to stop 30.06 and .308 rounds with a minimal increase in weight and bulkiness.

SEEK Thermal

MDC had a handheld thermal camera, the “reveal Pro” which is about the size of a Spot device and retails for just over \$550 CDN.

The specs for the device are as follows,

- Ruggedized, high resolution adjustable thermal camera with a 320 x 240 thermal Sensor
- Built for the jobsite with professional measurement tools,
- Includes a 300 lumen LED flashlight, long-lasting rechargeable battery, large color display, and durable rubberized casing.
- Specs: 320 x 240 thermal Sensor, 32° field of view, < 9 Hz frame, fixed-focus lens, -40F° to 626°F detection range, captures photos, spot temperature, 9 Color palettes, auto & span/level control, 4 emissivity pre-sets

FoxFury- cordless production lights

We were shown the latest from FoxFury in rechargeable all-weather lighting. The NOMAD N56 is a compact, hands free portable light with magnetic mounting system. It is 2700 lumens, cordless rechargeable light that is weather proof and a portable tripod is available. Would be excellent at mobile command centers and investigation/wildlife attack scenes.

Please let me know if you have any questions or need clarification on any of the above.

Sergeant Dave Webster

Staff Development, Training and Recruitment Unit | Conservation Officer Service

2nd Street, Grand Forks BC V0H 1H2

Phone: (250) 442-9899



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ACQUISITION OF CARBINE PATROL RIFLES CONSERVATION OFFICER SERVICE

OCTOBER 2019

FREQUENTLY ASKED QUESTIONS

1. Why is a tactical patrol rifle necessary?

- Officer and public safety will be enhanced with a modern carbine patrol rifle, which offers better accuracy, effectiveness and ease of use.
- As the primary first responder agency addressing human-wildlife conflicts, Conservation Officers face dynamic and fluid circumstances – such as a charging bear - and require a firearm best suited to the task.
- As peace officers, CO's also regularly interact with individuals who are violent or armed.
- The shift to the carbine patrol rifle will modernize the COS inventory and is consistent with many other natural resource law enforcement agencies.
- The COS is launching a field pilot project with the carbine patrol in late 2019, early 2020.

2. What are the advantages of a carbine patrol rifle?

- The COS is always looking at technology to see if it can improve officer and public safety, and the addition of the carbine patrol rifle will do this by replacing outdated firearm platforms.
- The carbine patrol rifle is a lightweight firearm and offers more accuracy and efficiency than standard rifles, which are geared for recreational use under controlled circumstances.
- The carbine patrol rifle is built for all types of weather conditions and is best suited to the unpredictable and dynamic situations faced by a Conservation Officer.

3. Does this mean the COS is becoming more militarized? Is this an assault rifle like those used in mass shootings?

- Carbine patrol rifles are not what is commonly referred to as an assault rifle.
- These rifles are not capable of fully-automatic firing.
- Conservation Officers are peace officers and need firearms best suited to dynamic situations in uncontrolled circumstances, which the carbine patrol rifle is better equipped for.

ACQUISITION OF CARBINE PATROL RIFLES CONSERVATION OFFICER SERVICE

OCTOBER 2019

4. What will carbine patrol rifles be used for?

- As the primary first responder agency addressing human-wildlife conflicts, Conservation Officers face dynamic and fluid circumstances – such as a charging bear - and require a firearm best suited to the task.
- As peace officers, CO's also regularly interact with individuals who are violent or armed.
- Conservation Officers routinely assist and back up police agencies in high risk situations where consistent and industry standard equipment is critical
- The carbine patrol rifle is more accurate, efficient and is best suited to the unpredictable and dynamic situations faced by a Conservation Officer.

5. Does this mean the public is going to see Conservation Officers approaching them with carbines?

- The public will not see Conservation Officers wearing the weapons as part of their uniform.
- The carbine patrol rifle will only be utilized in situations as necessary.

6. What other agency uses firearms like these? Did this come up as result of the 2014 Moncton, New Brunswick shooting that killed three RCMP officers and injured two others?

- Across North America, many wildlife enforcement agencies have transitioned or are considering transitioning to tactical patrol rifles, to allow officers to safely and effectively respond to human-wildlife complaints and public safety incidents.
- In Canada, most conservation and wildlife enforcement agencies are interested, while Saskatchewan Conservation Officers already use carbine patrol rifles.
- The tragic Moncton shooting was felt by law enforcement agencies across the country and led to several RCMP recommendations.
- Conservation Officers are peace officers and must also consider whether enhanced equipment would aid in officer and public safety.
- The Conservation Officer Service also has a Memorandum of Understanding to support and aid the RCMP.
- It is prudent for the Conservation Officer Service, as a member of the larger law enforcement community, to also look at the MacNeil Report recommendations, as other partner agencies have done.

ACQUISITION OF CARBINE PATROL RIFLES CONSERVATION OFFICER SERVICE

OCTOBER 2019

7. Conservation Officers aren't police officers. Why do they need tactical guns to do their job?

- Conservation Officers are peace officers, and all members of the COS are appointed with a Special Police Constable appointment to enforce various provincial and federal legislation in B.C.
- As peace officers, Conservation Officers regularly interact with individuals who are violent, armed, or find themselves in other high-risk situations, such as dealing with an aggressive bear.
- Conservation Officers need to be equipped with the appropriate tools to do their jobs safely. The carbine patrol rifle offers better accuracy, effectiveness and ease of use.
- Conservation Officers routinely back up police officers in remote communities in high-risk situations.

8. What type of firearm training does the COS have now?

- The COS is a member of the Western Conservation Law Academy, which provides training for natural resource law enforcement agencies in Western Canada.
- At WCLEA, new officers receive firearm training that meets or exceeds other law enforcement agencies in Canada.
- Every year, Conservation Officers must also complete a mandatory firearms recertification to ensure proficiency with all firearms.
- Conservation Officer training related to firearms meets or exceeds other police agencies in Canada.

9. What type of training will CO's get for these new firearms?

- Training on carbine patrol rifles will be consistent with all other firearms training in the COS.
- As peace officers, the COS voluntarily complies with the same firearms training standards that meet or exceed other law enforcement agencies in Canada.

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10. How many CO's will be using these new firearms?

- Select Conservation Officers that are trained and certified instructors as well as members of the Predator Attack Teams will use the carbine patrol rifle in the field during the COS pilot project.
- Upon successful completion of the pilot project, all Conservation Officers are expected to be issued and trained with a carbine patrol rifle by summer 2021.

11. How many firearms does a CO use currently?

- A Conservation Officer is issued three types of firearms:
 - A Glock 40 caliber semi-automatic pistol;
 - A 30-06 caliber bolt action rifle and,
 - A Remington model 870 pump action 12-gauge shotgun.
- These are standard issue firearms that Conservation Officers are required to qualify on annually.
- The patrol rifle will replace the 30-06 rifle.

12. What's wrong with the guns CO's use now? Isn't the COS properly equipped to do their job?

- The 30-06 (referring to the calibre of ammunition) bolt action rifle is the current rifle platform of the COS.
- It is a recreational firearms platform, best used in controlled circumstances.
- The carbine patrol rifle, with its accuracy, effectiveness and ease of use, is better suited to meet the needs of the COS.

13. How dangerous is the job of a Conservation Officer?

- The role of a Conservation Officer is diverse and demanding.
- As the primary first responders to conflicts between humans and dangerous wildlife, Conservation Officers often find themselves in high-risk situations, such as dealing with an aggressive bear.
- Conservation Officers also often interact with armed and potentially violent individuals.
- Conservation Officers work in isolation and alone more than other law enforcement agencies.

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OCTOBER 2019

14. Have any Conservation Officers ever been seriously hurt on the job? Would a carbine patrol rifle have made a difference?

- There have been two recent incidents where Conservation Officers were injured by dangerous wildlife during their duties.
- Both Conservation Officers were dealing with aggressive bears, and both were attacked.
- In both cases, a review recommended that the availability of a carbine patrol rifle could have mitigated the injuries, in part by its ease and accuracy to use.

15. What will happen to the current inventory of guns?

- The current COS inventory of 30-06 bolt action rifles will be disposed of in accordance with government regulations.

16. Why were bolt action rifles used in the first place?

- The current 30-06 bolt action rifles are more than 30 years old, and no longer meet the needs of the COS.
- The COS is always looking at technology to see if it can improve public and officer safety, and the addition of the carbine patrol rifle will do this by replacing outdated firearm platforms.
- The shift to the carbine patrol rifle will modernize the COS inventory and is consistent with other natural resource law enforcement agencies.

17. Regarding human-wildlife conflicts, is lethal force still a last resort?

- The COS assesses wildlife complaints on a case-by-case basis which is dependent on several factors, including an animal's history, level of food conditioning and habituation.
- The COS decision-making process is guided by scientific data, procedures and policies to ensure the correct conclusions are made.
- Conservation officers in the field will also consult with wildlife veterinarians, biologists and other experts, as appropriate.
- Public safety is paramount. As a last resort, conservation officers are forced to destroy wildlife to protect the public, property and domestic animals.

ACQUISITION OF CARBINE PATROL RIFLES CONSERVATION OFFICER SERVICE

OCTOBER 2019

18. How long is the testing phase and what are the next steps?

- Selected Conservation Officers – such as those on the Predator Attack Team – will use the carbine patrol rifle in the field during the COS pilot project, which is expected to be completed by early 2020.
- Upon successful completion of the pilot project, all Conservation Officers are expected to be issued and trained with a carbine patrol rifle by summer 2021.

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			Nov 06, 2019			NET 30
#	Ordered	Item	Item Description		Unit Price	Amount
1	21	SIGLWR716G2-16B-P	SIG716G2, 7.62 NATO, RIFLE, 16IN, PATROL, BLK, SEMI		\$2,594.52	\$54,484.92

Order Comment

Thank you for your order, I appreciate your business.

Gray
(604) 315 5057
gray@mdcharlton.ca**Shipping Comment**Marcel Belanger Inspector 778-698-4271 778-677-5333
Marcel.Belanger@gov.bc.ca

Sub total	\$54,484.92
Freight	\$0.00
GST 103609160	\$2,724.25
PST 10014069	\$3,813.94
TOTAL CAD	\$61,023.11



Ministry of Environment and Climate Change Strategy

Conservation Officer Service New Patrol Rifle

Direct Award Rationale

November 21, 2019

The Conservation Officer Service is responsible for the delivery of natural resource law enforcement and public safety regarding dangerous wildlife throughout the Province of British Columbia. Conservation Officers are the primary first responder agency responsible to address public safety with regards to human – wildlife conflicts involving large carnivores such as grizzly/black bears, wolves and cougars. As designated peace officers, CO's regularly interact with individuals who are violent and or armed. Conservation Officers routinely assist and supply back up to police agencies (RCMP) in high risk situations. Conservation Officers are appointed as Special Police Constables which gives them the ability to enforce various provincial and federal legislation in B.C.

Across North America, many wildlife enforcement agencies have or are currently in the process of transitioning to tactical patrol rifles. This is being done to allow officers to safely and effectively respond to human – wildlife complaints and public safety incidents. Within Canada, wildlife natural resource law enforcement agencies are showing more interest and currently both the Yukon and Saskatchewan have adopted the new tactical patrol rifle platform. Wildlife Officers in the Province of Alberta have had their business case approved to acquire a new tactical patrol rifle. In the United States almost all the wildlife law enforcement agencies are utilizing semi-automatic rifles.

After two recent incidents where Conservation Officers were injured by dangerous wildlife during their duties a review of these cases indicated the availability of a tactical patrol rifle could have mitigated their injuries, in part by its ease and accuracy to use. Conservation Officers are currently issued a standard 30:06 (calibre) bolt action patrol rifle. The issues related to issuance of our standard patrol rifle are numerous. First, the rifle is a recreational hunting rifle and it is best utilized in controlled circumstances. The COS currently has a variation of makes and models within our current inventory. Our internal firearms committee and COS executive have decided that our current rifle is not meeting our service requirements for a variety of reasons including: lack of weapon light configurations, quality control concerns, lack of service, parts interchangeability, high retrofitting costs, weight, magazine capacity and adjustability. It is also confirmed that a majority of the current inventory is over 30 years old and requires replacement.

The role of a Conservation Officer is diverse and demanding and they work in isolation and are alone more than other law enforcement agencies. They need to be equipped with the appropriate tools to do their jobs safely. The new patrol rifles will offer better accuracy, effectiveness which leads to an increase to public and officer safety. The new patrol rifle is light weight and built for all types of weather conditions.

The Chief Conservation Officer for the Province of B.C. has just secured the necessary approvals from the Minister of Environment and Climate Change Strategy to transition the entire B.C. COS to a new patrol rifle by the summer of 2020.

The B.C. COS belongs to a consortium of wildlife enforcement agencies known as the Western Conservation Law Enforcement Academy (WCLEA). Through an MOU with the Chiefs of the following jurisdictions (British Columbia, Alberta, Saskatchewan, Manitoba, Yukon) they agree on standards for new hires (recruits) for training and certification. Recruits are sent to the training academy for four months to train on all aspects of an officer's job duties.

One of the core courses is the proficient use of firearms and firearms safety. Conservation Officers train on the effective use of all issued firearms and must pass proficiency tests on each issued firearm. Once they obtain a successful pass each officer must then qualify and re certify yearly on each issued firearm.

Alberta, Saskatchewan, British Columbia and the Yukon are currently utilizing and or moving towards the implementation of a new tactical patrol rifle. Each provincial agency is required to assist by supplying certified instructors. This transition to the new patrol rifle will be consistent and align our in service program with the other fellow agencies and allow transference of training opportunities.

As mentioned the COS has obtained Minister approval to transition to the new patrol rifle and has been allocated capital funding in the amount of \$60,000. These funds will allow an initial purchase of approximately 21 new patrol rifles of the type, make, and model reviewed and trialed by COS firearms instructors and other WCLEA instructor groups. The rationale and considerations of putting forth this request has been carefully reviewed. We would ask that this purchase be awarded, via direct award to MDC situated here in Victoria B.C. MDC are the exclusive Canadian sole supplier of the new patrol rifle that the COS needs and has been approved for.

The Province of Saskatchewan has moved to a Sig Sauer Patrol rifle. The Province of Alberta has selected the Sig Sauer patrol rifle as well and will be moving forward with securing inventory.

The Alberta Fish and Wildlife Enforcement Branch Firearms Training Program have done a comprehensive analysis over the past 3 years leading up to their business case submission to move to a new patrol rifle. They have researched and tested numerous rifles including bolt action, gas, and piston operated firearms. Two rifles were identified as being superior and suitable for their consideration: the SIG 716 G2 in 7.62 mm x 51 NATO (.308 Win) calibre and the Benelli Argo R1 in (30.06) calibre.

Alberta's testing considerations included:

- Ensure rifles and parts are readily available for training new recruits when requested
- Ensure rifle is adaptable and meets future changes in law enforcement environments
- Has increased magazine capacity from 5 cartridges to 20
- Ensure rifle can adapt to variances in officer statures-stock adjustability
- Ensure sights and other accessories are readily available from vendor
- Ensure reduced recoil, increased sight picture and sight alignment
- Ensure ease of disassembly and maintenance and cleaning and reassembly
- Ensure vendor has an industry respected operator and armourers' course
- Ensure vendor can provide training in a timely manner at locations with B.C.
- Ensure vendor has a reliable, accurate and functioning firearm

Through this testing and evaluation Alberta has chosen the SIG 716 G2 in 7.62 mm x 51 NATO as their new patrol rifle. The distinguishable difference for this determination by Alberta is the manufactures reputation and experience with North American law enforcement. Sig Sauer has a strong history of providing firearms and armouring services to the Canadian military, law enforcement and natural resource law enforcement. Sig Sauer has a long standing organizational and training presence in Canada. In addition, Sig Sauer has certified operator courses and armouring training which is readily available and accepted by International Law enforcement. Sig Sauer and their Canadian sole supplier MDC have a ready inventory, source of parts and a supply within Canada. They will also provide warranty and parts replacements and upgrades which will meet our needs.

The new SIG 716 G2 patrol rifle will allow officers the ability to utilize an adjustable stock to increase comfort and fit of their personal assigned firearm. The SIG 716 G2 also offers a 5.56 mm x 45 upper receiver which is beneficial to train recoil sensitive shooters, and decrease ammunition costs. This firearm is effective for safe in urban environments. The SIG 716 G2 has a 20-round magazine capacity and lower felt recoil due to its action and calibre. The maintenance and cleaning is easier and more efficient. There are options to mount weapon lights, bipods, slings, optics and suppressors to meet operational requirements.

Alberta and British Columbia officers have similar job profiles and these officers instruct and train together in WCLEA. The Chief of the B.C. COS is choosing to adopt Alberta's business case and the procedures used to determine their selection of the SIG 716 G2. The Chief has also relied on feedback from B.C. firearms instructors who have attended firearm range sessions.

The studies and testing have been completed. We have demonstrated that there is no need for duplicating a three (3) year review here in B.C. The B.C. COS executive has accepted, adopted Alberta's report and recommendations as our own. These results have led to Minister approval in moving forward in securing our recommended new patrol rifle inventories.



Ministry of Environment and Climate Change Strategy
Conservation Officer Service
Direct Award Rationale
Using Capital Funding
on 49 Patrol Rifles
July 9, 2020

The Conservation Officer Service is responsible for the delivery of natural resource law enforcement and public safety regarding dangerous wildlife throughout the Province of British Columbia. Conservation Officers are the primary first responder agency responsible to address public safety with regards to human – wildlife conflicts involving large carnivores such as grizzly/black bears, wolves and cougars. As designated peace officers, CO's regularly interact with individuals who are violent and or armed. Conservation Officers routinely assist and supply back up to police agencies (RCMP) in high risk situations. Conservation Officers are appointed as Special Police Constables which gives them the ability to enforce various provincial and federal legislation in B.C.

The role of a Conservation Officer is diverse and demanding and they work in isolation and are alone more than other law enforcement agencies. They need to be equipped with the appropriate tools to do their jobs safely. The new patrol rifles will offer better accuracy, effectiveness which leads to an increase to public and officer safety. The new patrol rifle is light weight and built for all types of weather conditions.

After two recent incidents where Conservation Officers were injured by dangerous wildlife during their duties a review of these cases indicated the availability of a tactical patrol rifle could have mitigated their injuries, in part by its ease and accuracy to use. Conservation Officers are currently issued a standard 30:06 (calibre) bolt action patrol rifle. The issues related to issuance of our standard patrol rifle are numerous. First, the rifle is a recreational hunting rifle and it is best utilized in controlled circumstances. The COS currently has a variation of makes and models within our current inventory. Our internal firearms committee and COS executive have decided that our current rifle does not meet our service requirements for a variety of reasons including lack of weapon light configurations, quality control concerns, lack of service, parts interchangeability, high retrofitting costs, weight, magazine capacity and adjustability. Most of the current inventory is over 30 years old and requires replacement.

The Chief Conservation Officer for the Province of B.C. has secured the necessary approvals from the Deputy Minister and Assistant Deputy Minister of the Ministry of Environment and Climate Change Strategy to acquire another 49 new patrol rifles for the B.C. COS this fiscal.

As mentioned, the COS has obtained Ministerial approvals at all levels to transition to the new patrol rifle and have secured capital funding in the amount of \$136,000. These funds will allow an additional purchase of 49 patrol rifles of the same type, make, and model reviewed and trialed by COS firearms committee and approved under the previous Purchase Order direct award PO-008825 in 2019 for 21 SIG 716 G2 rifles valued at \$61,023.11.

Sig Sauer and their Canadian sole supplier MDC have a ready inventory, source of parts and a supply within Canada. They will also provide master firearm instructor certification, warranty and parts replacements and upgrades which will meet our needs.

After the initial 21 patrol rifle purchase the BCCOS launched a successful training program for their own in-service firearm instructor team. They are fully certified as proficient instructor's, operators and armourers. Sig Sauer, Inc provided instructors who are internationally recognized to train and certify BCCOS instructors. The BCCOS has upfitted these firearms at great expense from operational budget allocations with the accessories required to make the firearm best suited for the type of work that our officers will encounter which are based upon internal and external experts' recommendations.

The BCCOS have developed lessons plans, operational plans and have begun training and certifying BCCOS selected operators throughout British Columbia. Staff have attended a five-day operators' courses which resulted in certified operators. Another training session will be held in Kamloops in July to capture the remaining staff and the 21 patrol rifles will be assigned to the successful certified operators.

The BCCOS is requesting that another direct award be issued to M.D. Charlton Company Ltd. for 49 additional patrol rifles based upon the fact that a direct award was issued in 2019 for 21 patrol rifles and the fact that M.D. Charlton Company Ltd. is still the sole Canadian distributor of this firearm. M.D Charlton Company Ltd has met all BCCOS expectations.

Attached to this application is the sole source letter from Sig Sauer, Inc and the M.D. Charlton Company Ltd. price quote for 49 patrol rifles, and the rationale submitted in 2019.



Ministry of Environment and Climate Change Strategy
Conservation Officer Service
Direct Award Rationale
Using Capital Funding
on 49 Patrol Rifles
July 3, 2020

The Conservation Officer Service is responsible for the delivery of natural resource law enforcement and public safety regarding dangerous wildlife throughout the Province of British Columbia. Conservation Officers are the primary first responder agency responsible to address public safety with regards to human – wildlife conflicts involving large carnivores such as grizzly/black bears, wolves and cougars. As designated peace officers, CO's regularly interact with individuals who are violent and or armed. Conservation Officers routinely assist and supply back up to police agencies (RCMP) in high risk situations. Conservation Officers are appointed as Special Police Constables which gives them the ability to enforce various provincial and federal legislation in B.C.

The role of a Conservation Officer is diverse and demanding and they work in isolation and are alone more than other law enforcement agencies. They need to be equipped with the appropriate tools to do their jobs safely. The new patrol rifles will offer better accuracy, effectiveness which leads to an increase to public and officer safety. The new patrol rifle is light weight and built for all types of weather conditions.

After two recent incidents where Conservation Officers were injured by dangerous wildlife during their duties a review of these cases indicated the availability of a tactical patrol rifle could have mitigated their injuries, in part by its ease and accuracy to use. Conservation Officers are currently issued a standard 30:06 (calibre) bolt action patrol rifle. The issues related to issuance of our standard patrol rifle are numerous. First, the rifle is a recreational hunting rifle and it is best utilized in controlled circumstances. The COS currently has a variation of makes and models within our current inventory. Our internal firearms committee and COS executive have decided that our current rifle does not meet our service requirements for a variety of reasons including lack of weapon light configurations, quality control concerns, lack of service, parts interchangeability, high retrofitting costs, weight, magazine capacity and adjustability. Most of the current inventory is over 30 years old and requires replacement.

The Chief Conservation Officer for the Province of B.C. has secured the necessary approvals from the Deputy Minister and Assistant Deputy Minister of the Ministry of Environment and Climate Change Strategy to acquire another 49 new patrol rifles for the B.C. COS this fiscal.

As mentioned the COS has obtained Ministerial approvals at all levels to transition to the new patrol rifle and have secured capital funding in the amount of \$136,000. These funds will allow an additional purchase of 49 patrol rifles of the same type, make, and model reviewed and trialed by COS firearms committee and approved under the previous Purchase Order direct award PO-008825 in 2019 for 21 SIG 716 G2 rifles valued at \$61,023.11.

Sig Sauer and their Canadian sole supplier MDC have a ready inventory, source of parts and a supply within Canada. They will also provide warranty and parts replacements and upgrades which will meet our needs.

After the initial 21 patrol rifle purchase the BCCOS has launched into training program of their firearms instructors to become proficient and certified operators and armourers and as instructors using international recognized sources to train and certify our own staff. The BCCOS has upfitted these firearms at great expense from operational budget allocations with the accessories required to make the firearm best suited for the type of work that our officers will encounter and based upon internal and external experts' recommendations.

The BCCOS has developed lessons plans and operational plans to begin training and certifying BCCOS selected operators throughout British Columbia to transition to this new firearm for field use. Staff have attended five day operators courses and passed and were certified for use. Another training session will be held in Kamloops in July to capture the remaining staff and the 21 patrol rifles will be assigned to certified operators.

The BCCOS is asking that another direct award be issued to M.D. Charlton Company Ltd. for 49 additional patrol rifles based upon the fact that a direct award was issued in 2019 for 21 patrol rifles and the fact that M.D. Charlton Company Ltd. is still the sole Canadian distributor of this firearm.

Attached to this application is the sole source letter from Sig Sauer, Inc and the MD C price quote for 40 patrol Rifles plus the rationale submitted in 2019.



January 1, 2020

To Whom It May Concern:

In February of 2012 SIG SAUER added M.D. Charlton as a distributor of its products for Law Enforcement, Government, Military, and Private Security Sales in Canada. With over 40 years of experience in the Law Enforcement, Military and Commercial firearms market, M.D. Charlton represents the business model SIG SAUER wants to project in the Canadian market. M. D. Charlton is the sole Canadian Distributor for Law Enforcement, Government, Military, and Private Security Sales. In addition, M.D. Charlton is the only Canadian Distributor authorized by SIG SAUER to do warranty repairs and service to SIG SAUER products.

Please contact me directly if there are any questions.

Sincerely,



Tom Jankiewicz
Executive Director
Law Enforcement Sales

SIG SAUER, Inc. | 72 Pease Boulevard, Newington, NH 03801 USA | P:

(603) 610-3000

(603) 610-3001

WWW.SIGSAUER.COM

An ISO 9001:2008 Certified Company

RE: Patrol Rifle Pilot Plan

From: Kondas, Greg ENV:EX <Greg.Kondas@gov.bc.ca>
To: Van Damme, Kevin ENV:EX <Kevin.Vandamme@gov.bc.ca>
Cc: Webster, Dave W ENV:EX <Dave.W.Webster@gov.bc.ca>, Milne, Andrew ENV:EX <Andrew.Milne@gov.bc.ca>
Sent: May 29, 2020 2:27:55 PM PDT

Answers in Red

From: Van Damme, Kevin ENV:EX <Kevin.Vandamme@gov.bc.ca>
Sent: May 29, 2020 1:57 PM
To: Kondas, Greg ENV:EX <Greg.Kondas@gov.bc.ca>
Cc: Webster, Dave W ENV:EX <Dave.W.Webster@gov.bc.ca>; Milne, Andrew ENV:EX <Andrew.Milne@gov.bc.ca>
Subject: Patrol Rifle Pilot Plan

Greg,

As per our discussion and if SDTR are being tasked as the project lead for the patrol rifle pilot program I offer the following for your consideration.

Prior to the launch of this pilot please consider and provide direction on the following:

1. A patrol rifle pilot plan or terms of reference to be developed and approved by Executive Yes
2. Interim guidelines for the pilot to be developed and/or a GO be drafted outlining the pilot to staff (are there operational guidelines for use? Yes work with Mike L , High level
3. A formal reporting structure be developed to ensure data required to address questions and outcomes Yes
4. All involved in the pilot to be provided a document outlining their role in the pilot and the reporting obligations as set out in the pilot Yes
5. Issues management concerns addressed with all involved in the pilot including their supervisors Yes
6. Pilot outcomes – reporting results out to the leadership (depending on duration of pilot) quarterly Yes
7. Training directives during the pilot – frequency of PR shooting/training (who supports the cost of ammunition) how many training rounds to be issued to each member on the pilot (estimated \$1/round). Should pilot participants be directed to only practice with a certified FA instructor? Should the location of practice be limited to an approved range? Yes, yes, we will support the costs for now, and if funds are low we will get fro another RC
8. PPE to be issued to pilot members – level III ballistic plates to be issued for front and back? Directive when this additional PPE is required to be worn? Yes, work with firearms instructors and Mike L

Thank you for your consideration to our questions as we move closer to the pilot start date.

Enjoy your weekend,

Kevin

Inspector Kevin Van Damme
OIC|SDTR Staff Development, Training and Recruiting
BC Conservation Officer Service
Ministry of Environment & Climate Change Strategy

**MDC**Law Enforcement & Military
Equipment Distributors

Box 153, Brentwood Bay BC V8M1R3

Phone: (250)652-5266 Fax: (250)652-4700

mdc-accounts@mdcharlton.ca http://www.mdcharlton.ca

BILL TOMinistry of Environment - Conservation Officer Serv.
PO Box 9376 Stn Prov. Gov't.
Victoria, BC
V8W 9M1
Tel : 250-

Quote
4015539

Date	2020-06-24
Customer	COVICT
FOB	DESTINATION
Page	Page 1 of 1

SHIP TOMinistry of Environment - Conservation Officer Serv.
PO Box 9376 Stn Prov. Gov't.
Victoria, BC
V8W 9M1
ATTN

Customer PO		Sales Person	Order Date	Ship Via	Account#	Terms
			Jun 24, 2020			NET 30
#	Ordered	Item	Item Description		Unit Price	Amount
1	45	SIGLWR716G2-16B-P	SIG716G2, 7.62 NATO, RIFLE, 16IN, PATROL, BLK, SEMI 1X 20RD MAG		\$2,594.52	\$116,753.40

Order Comment

Thank you for your inquiry, I appreciate your business and look forward to hearing from you. If you wish to place an order, please quote the number at the top right corner of this page.

Gray
(604) 315 5057
gray@mdcharlton.ca**Shipping Comment**Marcel Belanger
Inspector
778-698-4271
778-677-5333
Marcel.Belanger@gov.bc.ca

Sub total	\$116,753.40
Freight	\$0.00
GST 103609160	\$5,837.67
PST 10014069	\$8,172.74
TOTAL CAD	\$130,763.81

THIS IS ONLY A QUOTE, NOT AN ORDER
IT IS VALID FOR 30 DAYS. AFTER THAT A NEW QUOTE MUST BE NEGOTIATED

RE: ENV Capital Planning Group

From: Belanger, Marcel ENV:EX <Marcel.Belanger@gov.bc.ca>
To: Forsdick, Doug O ENV:EX <Doug.Forsdick@gov.bc.ca>
Sent: June 25, 2020 8:10:50 AM PDT
Attachments: MDC - SO QUOTE[9].pdf

Quote came in for 45 rifles at \$2776.14 (pst. incl) which is the same as last fiscal.

With the \$136,000 ENV Capital allotment if we buy 49 that will come to \$136,030.69. I will approach Janet McIntosh for permission to over spend by the \$ 31.00 which won't be a problem.

Since MDC is outright buying 100 rifles we could possibly get more after contingency funds get released after Dec 31, 2020.

I will work with Kevin's shop to finalize the costs per rifle for all accessories.

Marcel Belanger
Inspector OIC
Support Services
Conservation Officer Service
Ministry of Environment & Climate Change Strategy
Desk: 778-698-4271
Cell: 778-677-5333
Fax: 250-356-9197

From: Forsdick, Doug O ENV:EX <Doug.Forsdick@gov.bc.ca>

Sent: June 24, 2020 3:53 PM

To: Belanger, Marcel ENV:EX <Marcel.Belanger@gov.bc.ca>; Sprado, Tobe ENV:EX <Tobe.Sprado@gov.bc.ca>; Doyle, Chris J ENV:EX <Chris.Doyle@gov.bc.ca>; Kondas, Greg ENV:EX <Greg.Kondas@gov.bc.ca>

Cc: Airey, David ENV:EX <David.Airey@gov.bc.ca>; Van Damme, Kevin ENV:EX <Kevin.Vandamme@gov.bc.ca>; Forsdick, Doug O ENV:EX <Doug.Forsdick@gov.bc.ca>

Subject: RE: ENV Capital Planning Group

Great news

I brought this issue up today on my briefing with the DM and explained we needed to order immediately to meet the capital expenditure timelines. Once you get the numbers back from MDC Marcel can you please check in with me one last time and I can hopefully give you the go ahead then to proceed.

I believe we budgeting 75K in our base budget for patrol rifles which will be used for add on items that are needed once we receive the capital items. If we could get a budget as to what the total is to outfit those rifles beyond the capital let me know and then I will figure out how much more than the 75K I will need to find.

Thanks for your work on this.

Doug

From: Belanger, Marcel ENV:EX <Marcel.Belanger@gov.bc.ca>

Sent: June 24, 2020 2:03 PM

To: Forsdick, Doug O ENV:EX <Doug.Forsdick@gov.bc.ca>; Sprado, Tobe ENV:EX <Tobe.Sprado@gov.bc.ca>; Doyle, Chris J ENV:EX <Chris.Doyle@gov.bc.ca>; Kondas, Greg ENV:EX <Greg.Kondas@gov.bc.ca>

Cc: Belanger, Marcel ENV:EX <Marcel.Belanger@gov.bc.ca>

Subject: ENV Capital Planning Group

The ENV capital call was held on Monday June 22 at 13:00 hrs which provided all divisions of the ENV group the ability to speak to and request a portion of the available capital funds for this fiscal.

Here are the preliminary results (being reviewed by group contacts) then finalized within days.

	Specialized Equipment Tier 1
Budget	327,000
Identified Need	
ES Ecosystems	21,000
ES Lab	27,000
ES Hydrometric	12,600

EP Environmental	
Emergencies	2,500
EP ROB	12,000
Parks and	
Protected Areas	60,500
Conservation	
Officer Service	136,000
Contingency	55,400
	<hr/>
	327,000

the GIS cell phone forensic

hardware and software.

The number one COS priority was the new patrol rifle. Based on last years pricing (\$2,776.14 incl. PST) I am estimating for this fiscal approx of \$3,000 per rifle or approx. 45 rifles.

MDC is going to give me an official quote today or tomorrow. As soon as the \$136,000 is verified I can then move onto a direct award to MDC through BC BID.

Marcel Belanger

Inspector OIC

Support Services

Conservation Officer Service

Ministry of Environment & Climate Change Strategy

Desk: 778-698-4271

Cell: 778-677-5333

Fax: 250-356-9197

Emailing: 2020 Patrol Rifle Accessories Cost Projections

From: Belanger, Marcel ENV:EX <Marcel.Belanger@gov.bc.ca>
To: Kondas, Greg ENV:EX <Greg.Kondas@gov.bc.ca>, Milne, Andrew ENV:EX <Andrew.Milne@gov.bc.ca>, Van Damme, Kevin ENV:EX <Kevin.Vandamme@gov.bc.ca>, Forsdick, Doug O ENV:EX <Doug.Forsdick@gov.bc.ca>
Cc: Belanger, Marcel ENV:EX <Marcel.Belanger@gov.bc.ca>
Sent: June 30, 2020 8:33:31 AM PDT
Attachments: 2020 Patrol Rifle Accessories Cost Projections.xlsx

Attached is a summary based on input from SDTR staff and FA staff and reconciling from 2019 purchases for the 21 rifles .

Presently using the recommended quantities the projected expense is \$154,941 for 49 rifles or an average of \$3,162 per rifle.

This amount includes some top up of items from the 21 rifles purchased in 2019 ie: scopes/gun lights/trigger locks. If we add up just the costs for accessories for a single rifle it is \$3,013. The rifle itself is \$2,777 for a total of \$5790 per patrol rifle.

These price estimates are based on a mix of 2019 and 2020 pricing and does not include shipping costs.

Ammunition purchases are estimated at \$95,314 for Training and Duty rounds.

As far as the accessories go the optics are required so we could deduct or reduce the light purchases which is estimated at over \$12,000 to stay under the \$150,000 limit.

In conversation with acting Insp Andrew Milne he feels we may be a bit heavy on the projected ammunition amounts. So we could reduce costs there and we may need to consider when the next patrol rifles could possibly be delivered, which is likely in October . So realistically how many training sessions can we fit in from October onward

Your message is ready to be sent with the following file or link attachments:

2020 Patrol Rifle Accessories Cost Projections

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

**MDC**Law Enforcement & Military
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mdc-accounts@mdcharlton.ca http://www.mdcharlton.ca

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PO Box 9376 Stn Prov. Gov't.
Victoria, BC
V8W 9M1
Tel : 250-

Quote
4015539

Date	2020-07-02
Customer	COVICT
FOB	DESTINATION
Page	Page 1 of 1

SHIP TOMinistry of Environment - Conservation Officer Serv.
PO Box 9376 Stn Prov. Gov't.
Victoria, BC
V8W 9M1
ATTN

Customer PO		Sales Person	Order Date	Ship Via	Account#	Terms
			Jun 24, 2020			NET 30
#	Ordered	Item	Item Description		Unit Price	Amount
1	49	SIGLWR716G2-16B-P	SIG716G2, 7.62 NATO, RIFLE, 16IN, PATROL, BLK, SEMI 1X 20RD MAG		\$2,594.52	\$127,131.48

Order Comment

Thank you for your inquiry, I appreciate your business and look forward to hearing from you. If you wish to place an order, please quote the number at the top right corner of this page.

Gray
(604) 315 5057
gray@mdcharlton.ca**Shipping Comment**Marcel Belanger
Inspector
778-698-4271
778-677-5333
Marcel.Belanger@gov.bc.ca

Sub total	\$127,131.48
Freight	\$0.00
GST 103609160	\$6,356.57
PST 10014069	\$8,899.20
TOTAL CAD	\$142,387.25

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IT IS VALID FOR 30 DAYS. AFTER THAT A NEW QUOTE MUST BE NEGOTIATED

Page 088 of 165 to/à Page 112 of 165

Withheld pursuant to/removed as

s.16

Page 113 of 165 to/à Page 115 of 165

Withheld pursuant to/removed as

s.16 ; s.22

Page 116 of 165 to/à Page 117 of 165

Withheld pursuant to/removed as

s.16



GENERAL ORDERS PART II ORDER #xx-2020

Issued: July xx, 2020	Effective: July xx, 2020
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Agency Firearms - Patrol Rifle Pilot Project

The Conservation Officer Service will be field testing a semi-automatic patrol rifle, over the next 12 months - the model 716 G2 model manufactured by Sig Sauer.

The purpose of field testing is to assess the operational benefits of and challenges to replacing the current 30.06 bolt-action rifle, which is standard personal issue for all conservation officers, with a more versatile and reliable tactical rifle platform.

Field testing will commence the week of July 13, 2020, with the issuance of patrol rifles to 21 uniformed officers across the province. These officers, and their supervisors, will ensure the patrol rifle is deployed only as needed and in accordance with the interim guidelines set out on page two of this general order. All project participants will provide regular reports on the use of the patrol rifle, in addition to a final evaluation at the conclusion of field testing. This information will be used to inform an evaluation report for COS Executive. A decision on the adoption or rejection of the patrol rifle, and subsequent transition (as applicable), will be communicated to all staff in due course.

The interim guidelines for use of the patrol rifle are subject to revision during field testing, as and when required. Project participants will be notified accordingly.

Specific questions about the pilot project, including the guidelines below, may be directed to Deputy Chief Conservation Officer Greg Kondas, Officer in Charge of Support Services, or Inspector Kevin Van Damme, Officer in Charge of Staff Development, Training and Recruiting and project lead for the pilot project.

Approved By

Doug Forsdick
Chief Conservation Officer

Interim Guidelines - Patrol Rifle Field Testing

1.0 Definitions

1. **Field testing** means the phase of the pilot project intended to assess the operational benefits of and challenges to using the patrol rifle.
2. **Officer** means
 - a. a member of the Conservation Officer Service ("COS") designated under section 106 (3) (b) (i) of the *Environmental Management Act*; and
 - b. a uniformed member of Provincial Operations selected to participate in field testing of the patrol rifle.
3. **Patrol rifle** means a lightweight, short-barrelled semi-automatic rifle chambered in an intermediate caliber (e.g., .223, .30, .308). For the purposes of the pilot project, participant officers have issued the model 716 G2 manufactured by Sig Sauer.
4. **Pilot project** means the small-scale and provisional deployment of the patrol rifle to test or prove the feasibility of adopting the firearm as COS standard issue. The pilot project is comprised of a number of stages or phases, including needs analysis, procurement, training development and instructor certification, officer training, field testing and reporting, and project evaluation.

2.0 Legal Authority to Carry the Patrol Rifle

1. Under section 1 (1) (e) of the Regulations Prescribing Public Officers, enacted under the *Criminal Code*, a conservation officer is a "public officer" for the purposes of section 117.07 (2) (g) of the *Criminal Code*.
2. "Public officer" status under section 117.07 of the *Criminal Code* exempts conservation officers acting in the course of their duties or employment from a number of weapons-related offences under the *Criminal Code* or the *Firearms Act*, including possession and transportation of a COS-issued patrol rifle (i.e., a restricted firearm).

3.0 Issuance

1. An officer must successfully complete a training course, approved by the Chief Conservation Officer, and qualify on the use of the patrol rifle before they will be issued the firearm.
2. Following qualification, an officer will be issued
 - a. 1 patrol rifle;
 - b. 80 rounds of duty ammunition;
 - c. 1 electronic optic, 1 flashlight, 1 sling, 3 magazines, 1 fore-end grip;
 - d. 1 trigger lock and 1 lockable carrying case with 4 locks; and
 - e. 1 cleaning kit.
3. An officer who is issued a patrol rifle will return their COS issued 30.06 rifle to their supervisor for secure storage at a COS office location in the Zone.

Use of the Patrol Rifle

4. An officer may only carry and use the patrol rifle if
 - a. they have successfully completed COS patrol operators rifle training,
 - b. they are on duty and in uniform, and
 - c. there is a reasonable justification for doing so, including training, operational or ceremonial purposes.
5. Personal use of the patrol rifle is not authorized.
6. An officer's competency with the patrol rifle will be monitored for the duration of field testing, including, but not necessarily limited to self-reporting (see section 4 below), supervisory review and complaints (as applicable).
7. COS authorization to carry a patrol rifle may be withdrawn by a supervisor or senior officer at any time for cause.
 - a. If authorization is withdrawn, the Deputy Chief Conservation Officer, Provincial Operations, must be notified without undue delay.
8. Notwithstanding item 4 above, an officer who has not successfully completed COS patrol rifle training may only use the firearm if under the close personal supervision of a COS patrol rifle firearms instructor.

Firearms Use Reporting

9. Before the end of their shift an officer will record the following information in the newly created patrol rifle use sit-rep if a patrol rifle is removed from a vehicle for operational use (i.e., does not include training, ceremonial, storage or maintenance purposes):
 - a. the date, time and location of the incident;
 - b. the purpose for deploying the patrol rifle; and
 - c. if discharged, the incident's outcome and the number of rounds fired.
10. An officer will notify their supervisor as soon as practicable after the discharge of a patrol rifle, in addition to completing the written incident report indicated in item 9 above.

4.0 Storage

1. When not in use the patrol rifle and its magazines will be properly secured and inaccessible to unauthorized personnel.

Vehicle

2. When the patrol rifle is transported in a COS vehicle, officers will store the firearm in an electric locking rack, with the chamber unloaded.
3. Spare magazines, a prohibited device, if not worn on an officer's duty belt or external body armour carrier, will be under lock as well.

4. The patrol rifle and magazines must be removed from a COS vehicle when the security of the firearm or magazines could be reasonably expected to be at risk.
5. The patrol rifle and magazines will not be stored in a COS vehicle when an officer is off-duty, including “generally available” for after-hours call outs. These items must be securely stored in a government office, the officer’s residence or secure accommodation if on travel status (as applicable).

Boats, ORVs, Aircraft

6. When on-duty and travelling by boat, ATV or commercially leased aircraft, the patrol rifle will be carried encased and unloaded unless carried in control of the officer. The patrol rifle and magazines must not be left unattended in these circumstances.
 - a. See Transport Canada’s Aviation Security Exemptions for complete details when travelling onboard commercially leased aircraft.

Government Office

7. The patrol rifle and magazines will be
 - a. stored in a secure government office;
 - b. in a container, receptacle, vault, safe or room that is kept securely locked and is constructed so that it cannot readily be broken open or into; and
 - c. unloaded and rendered inoperable with a trigger or cable lock.

Residence

8. Storage at an officer’s residence must comply with the requirements of the Storage, Display, Transportation and Handling of Firearms by Individuals Regulations under the federal *Firearms Act*. The patrol rifle must be stored:
 - a. unloaded and rendered inoperable with a trigger or cable lock;
 - b. in a container or receptacle that is kept securely locked and that is constructed so that it cannot readily be broken open or into; and
 - c. with the container or receptacle secured to a wall.
9. If an officer will be off-duty for a period of four or more consecutive days, and not “generally available” for after-hours call outs, the patrol rifle and magazines must be stored at the office.

Travel Status

10. If secure storage at a government office is not available, the patrol rifle and magazines will be stored overnight in other secure accommodation and in the manner outlined in items 8 a. and b. above.

5.0 Ammunition

1. Officers will only carry/use COS issued and authorized ammunition while on duty.

2. The following ammunition is authorized for use during patrol rifle field testing: Hornady Outfitter GMX or BTSP, 165-grain bullet weight.
3. When not in use, ammunition for the patrol rifle must be
 - a. properly secured and inaccessible to unauthorized personnel; and
 - b. kept in a clearly labelled container that is separate from other types of duty ammunition.
4. Ammunition must be physically inspected prior to loading to confirm it is authorized for use with the patrol rifle and to identify any visible defects.

6.0 Alterations

1. Officers will maintain the patrol rifle as issued.
 - a. Officers must not alter a COS-issued patrol rifle, or carry any COS-issued patrol rifle that has been altered.
 - b. Accessories that have been approved and deemed standard for the firearm must remain on the firearm unless otherwise approved and documented by the supervisor.

7.0 Hard Body Armour

1. Officers will be issued the following hard armour level 3 ballistic plates, which are rated to stop a 7 62MM
2. Officers must wear their hard armour plates (front and back) when the patrol rifle is carried for operational duties or training purposes.

8.0 Inspection, Maintenance and Repair/Replacement

1. Officers will
 - a. visibly inspect the patrol rifle at the beginning of each shift; and
 - b. ensure the patrol rifle is maintained in good working order as per the officer's qualification training.
2. Officers will notify their supervisor as soon as practicable if a patrol rifle becomes or is at visible risk of becoming inoperable. The Inspector of Program Support will arrange for servicing or replacement, as appropriate.
 - a. Officers will carry their personal issue 30.06 rifle while on duty if a patrol rifle is temporarily unavailable for servicing or replacement.
3. The supervisor will inspect the patrol rifle and ammunition, including the storage of these items in a COS vehicle or government office, on a periodic basis to ensure compliance with these guidelines.

9.0 Loss of a Patrol Rifle

1. If a patrol rifle is lost or stolen, officers will
 - a. immediately contact their supervisor,
 - b. ensure the police have been notified, and

- c. complete a General Incident or Loss Report.

10.0 Enquiries from the Public / Media

1. An officer is authorized to engage the media in accordance with COS Media Contacts policy.
2. Information disclosed to the media or public will be consistent with COS standard messaging respecting the pilot project and field testing of the patrol rifle. (to be added once approved)

11.0 Professional Standards

1. Allegations or evidence of improper care, use or storage of a patrol rifle, its ammunition or its accessories will be the subject of a professional standards investigation, in accordance with relevant COS and PSA policy on the matter.



PATROL RIFLE PILOT FINAL REPORT

November 2020

PATROL RIFLE PILOT

The patrol rifle pilot ran from July 17th, 2020 to November 15th, 2020. The pilot determined the suitability of the patrol rifle for the various duties performed by conservation officers, as well as identified the most effective rifle accessories (i.e. ballistic panels, tactical slings, and optics).

COS CERTIFIED PATROL RIFLE OPERATORS

On July 17, 2020, 21 selected conservation officers including members of the predator attack team and the K-9 response unit completed the Patrol Rifle Operators course with 100% success.

PATROL RIFLE

On July 15th, 2020, 21 Sig Sauer 716 G2 rifles were issued to officers from different regions across the province. Each officer was equipped with the required safety and security equipment including front and back body armour ballistic panels, trigger locks, a lockable storage case and vehicle and home lockable systems. Each firearm was equipped with an electronic optic, sling, 3 magazines and a removable flashlight.

OPERATIONAL USE DURING THE PILOT

A situation report (sit rep) was completed by operators following any operational discharge of the rifle. During the pilot 28 sit reps were reported.

Black Bear Responses

- On 14 occasions the rifle was used to destroy category 1 black bears in communities. The category 1 black bears were all food conditioned and a public safety threat.
- In one of the above black bear cases the officers were responding to an enforcement occurrence whereby a person was feeding black bears.
- In two of the above black bear cases the officers used the patrol rifle to euthanize charging black bears. In one of the incidents the bear charged from thick brush at the officer. In the second incident the bear climbed out of a tree before charging the officer. In both cases the officers were able to stop the threat of the charging bears



PATROL RIFLE PILOT FINAL REPORT

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within 1-3 meters from their position with the patrol rifle. Training and the ability to deliver multiple rounds on target prevented the officers from injury.

Grizzly Bear Responses

- On three occasions the rifle was used to destroy category 1 grizzly bears in communities. The category 1 grizzly bears were all food conditioned and a public safety threat.
- On a high-risk response involving a grizzly bear that had a trap on its foot, an officer deployed the patrol rifle with other officers equipped with standard issue shotgun and 30-06 rifles.
- One of these reports involved the officer using the patrol rifle to dispatch two family units of grizzly bears at 50-60 meters distance, keeping officers out of direct harm while doing so.

Cougar Responses

- On six occasions the rifle was used to destroy category 1 cougars that had preyed on livestock/pets and were a public safety threat.
- In one of the above cougar responses the officer fired a single round fatally hitting the cougar which fell out of a tree, the officer followed the cougar to the ground firing two more shots to ensure the animal was euthanized. Quick target acquisition and the speed of a follow-up round ensured a humane and quick outcome.

Wolf Response

- On one occasion, an officer responded to a category 1 wolf that was a public safety threat. The officer attempted a shot at an extended range of 100 meters and missed the animal. The wolf returned after the attempt and was successfully euthanized at a closer range. The officer's feedback recommended a magnification option for shots extending beyond 50 meters.

Other responses

- On three occasions officers euthanized deer and elk from injuries resulting from highway vehicle collisions.



PATROL RIFLE PILOT FINAL REPORT

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PAT Responses

- On four PAT responses the patrol rifle was carried and used during the tactical safety sweep of the attack site.
- On a grizzly bear predator attack response near Pemberton, the officer reported the heavier rifle was difficult to handle over rough terrain.

K-9 Responses

- On five occasions members of the K-9 response team carried the patrol rifle in a backpack while tracking cougars during a category 1 cougar response.
- K-9 responders recommend a smaller clip to enable the larger heavier firearm to be carried in their backpack during the tracking portion of the response.

PUBLIC RESPONSE

During the pilot no public complaints were reported. In addition to the operational use of the patrol rifle reported in sit reps, operators advised that they interacted daily with the public while carrying their patrol rifles. For a few officers living in town houses or apartments, the public observed officers carrying the rifle in a case in and out of their residences without reported issue or concern.

- On 15 occasions the public observed the officers with the new rifle during a deployment where a conflict animal was destroyed. No negative feedback has been reported during interactions with officers and the public.
- On 2 occasions the public asked questions about the new rifle and officers answered questions and provided information, in these cases the officers reported that feedback from the public was supportive.
- One report had an upset individual photographing a bear that was dispatched for accessing garbage and showing no fear to humans, but the officer was able to discuss the public safety risk response of dispatching the bear. The upset individual focused their attention to unsecured garbage as the issue at hand.



PATROL RIFLE PILOT FINAL REPORT

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OFFICER FEEDBACK

During the wrap up session with all operators and firearms instructors several observations and comments were brought forward, including:

- Officers involved in the pilot reported excellent ergonomics, quick follow-up shot capability, and that the digital optic was effective to re-acquire sight picture on follow up shot.
- Mounted rail flashlight was very effective to illuminate target.
- Patrol rifle size is challenging for K-9 handlers who typically carry a rifle in a backpack as they move quickly through the forest following K-9s. The smaller 10 round magazine will assist with carrying the rifle in a backpack during a response.
- Officers have reported that confidence with longer range shots is lower than they had with a scoped rifle due to the non-magnified electronic optic on the patrol rifle. Firearm Instructors tested and support a removable magnifier.
- Officers report that the issued sling design causes a strain on the shoulder when holding/carrying rifle for an extended period. An alternate sling is being tested to determine the best option. Feedback improved with equipping rifles with second sling attachment point, part way through the pilot.
- Firearms Instructors tested the GMX 165 grain and the Boat tail 165 grain Hornady bullets. They put forward a recommendation to go with the GMX 165 grain Hornady as an issue round.
- Damage was reported to the aluminum rail from one patrol rifle with some scratches to other rifles during secure transport in the patrol vehicle. The wear was in part attributed to the truck mounted locking system in patrol vehicles that are often on rough roads. A new secure storage vehicle system used by the RCMP called Black Rack was tested. Each unit is valued at \$800 and mounts to the existing security system installed in COS trucks.



PATROL RIFLE PILOT FINAL REPORT

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RECOMMENDATIONS

The pilot resulted in the successful deployment of 21 patrol rifles into daily operations throughout the Province, with no reported complaints from the public. Recommendations are as follows:

1. Replace the 30-06 rifle with the patrol rifle for all Conservation Officers

Note: In 2020 Yukon and Alberta Conservation Officers have adopted the Sig 716 as an issue rifle. If BC adopts the patrol rifle the majority of the WCLEA partners can train recruits on the same rifle.

If 1. above is approved:

2. Purchase an optic magnifier to enhance officer confidence and extend success for responses requiring shots beyond 30 meters.

Note: Yukon and Alberta have supported a magnification option.

3. Adopt the GMX 165 grain bullet as the COS issue bullet for most responses. Add to the COS Firearms policy to allow for a range of grains to be used from grizzly bear to urban responses.
4. Review and update current Firearms Standardization Policy to reflect issuance, ammunition, storage, patrol vehicle carry, and reporting out.
5. Purchase a soft shell/case to support the protection of the firearm while locked in the secure storage in the vehicle, as well as the officers while carrying the rifle in and out of their residences often in plain view of their neighbours.

**MDC**Law Enforcement & Military
Equipment Distributors

Box 153, Brentwood Bay BC V8M1R3

Phone: (250)652-5266 Fax: (250)652-4700

mdc-accounts@mdcharlton.ca http://www.mdcharlton.ca

Bill To:Ministry of Environment - Conservation Officer Serv.
PO Box 9376 Stn Prov. Gov't.
Victoria, BC
V8W 9M1

Bill of Lading Number:

Ship To:Ministry of Environment - Conservation Officer Serv.
1255 Dalhousie Drive
Kamloops, BC
V2C 5Z5
ATTN : Inspector Kevin Van Damme
Tel : 778-257-5958

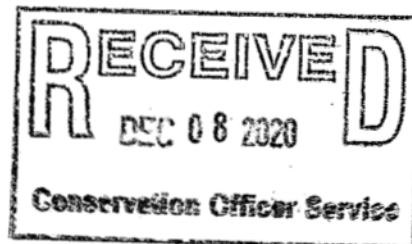
INVOICE	4022028
Date	Nov 27, 2020
Order No	4015539
Customer Code	COVICT
FOB	DESTINATION
Page	Page 1 of 1

Cust PO No.		Sales Person			Shipped Via		Terms	
PO - 009196					DAY & ROSS		NET 30	
Line #	Order Qty	Prior Shipped	Order Remain Qty	Order Ship Qty	Product	Unit Price	Amount	
1	49	0	0	49	SIGLWR716G2-16B-P	\$2,594.52	\$127,131.48	

SIG716G2, 7.62 NATO, RIFLE, 16IN, PATROL, BLK,
SEMI 1X 20RD MAG

s.15

Sub total	\$127,131.48
Freight	\$0.00
GST 103609160	\$6,356.57
PST 10014069	\$8,899.20

TOTAL CAD: \$142,387.25**Comment**Thank you for your order, I appreciate your business.
Gray
(604) 315 5057 gray@mdcharlton.ca
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Inspector
778-698-4271
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Please remit payments to Box 153 Brentwood Bay, B.C. Refunds require prior approval (RMA#). Proof of purchase with goods returned. Within 30 days full refund by method of payment excluding shipping & handling charge. After 30 days a 15%restocking fee on all merchandise. Absolutely no refunds after 60 days unless stated. Finance charge of 2% per month on overdue invoices. No collect shipments accepted.

2020	New Patrol Rifle Costs
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as of Mar 25 14:00 hours

Accessories		quantity	Received	Invoiced	Inv #	PC Ard	price	make	model	supplier	Total Cost/ incl PST				
Optics	red dot	5	delivered	pd	167604		\$818.75	Leupold	red dot 1.0 MOA	Korth	\$4,093.75				
	red dot	5	delivered	pd	4366		\$665.00	EO Tech	red dot XPS2-0	Wolverine	\$3,325.00				
	red dot	2	delivered	pd	43368		\$722.50	EO Tech	red dot EXPS3-4	Wolverine	\$1,445.00				
Magnifiers	3 X	2	delivered	pd	43368		\$722.50	EO Tech	g33 sts -3	Wolverine	\$1,445.00				
	Ammo-TRNG	223	7000 rounds	delivered	pd	252957	7 -1000 rnd carton box loose pack= \$399.99	federal American Eagle	223 gr fmj	Backcountry	\$2,995.93				
Ammo-TRNG	223	7000 rounds	delivered	pd	166979		50/box/140 boxes @ \$20.54/ box		223 gr fmj	Korth	\$2,925.60				
	223	5000 rounds	delivered	pd	253579		5-1000 rnd carton box loose pack= \$399.99	Winchester	223 gr fmj	Backcountry	\$2,139.94				
	308	7000 rounds	delivered	pd	252959		14 -500 rnd carton box loose pack	federal lake city	149 gr fmj	Backcountry	\$5,991.85				
Ammo-TRNG	308	16000 rounds	delivered	pd	254169/16		32-500 rnd carton box loose pack = \$399.99	federal lake city	149 gr fmj	Backcountry	\$13,696.00		15000	13696	
	308	4880 rounds	delivered	pd	254171/16	244 boxes	\$25.80 20/box	winchester	165 gr BTSP	Korth	\$6,295.00		4880	6295	19,991
					167889/15 boxes										
Ammo-DUTY	308	4000 rounds	delivered	yes /partial	70745/85 boxes										
Ammo DUTY	22 cal	14000 rounds	delivered	pd	70748/100 boxes	200 boxes	\$38.72 20 / box	Horandy Outfitter	165 gr gmx	Korth	\$7,163.20				
					254170	280 boxes	\$14.99 50/box	Federal CCI Max-Mag	40 gr JHP	Backcountry	\$4,491.00				
					167891/115 boxes										
					168223/115 boxes										
					168224/115 boxes										
Ammo TRNG	40 cal	23000 rounds	delivered	pd	167890/115 boxes	460 boxes	\$35.00 50/ box	Hornady 40 S&W	125 gr frangible	Korth	\$16,100.00		23000	16100	
40 cal trainiMagazines	40 cal	5000 rounds	delivered	pd	4013805	100 boxes	\$37.25 50/box	Win 40 S&W	135 gr frangible	MDC	\$3,985.75		5000	3986	20086
	single	106	delivered	pd	43576		\$23.85	MAGPUL	20LR	Millbrook	\$2,703.10				
	Cleaning Kits	21	delivered	pd	R2020-23734		\$59.95	OTIS	FG-85211	Rampart	\$1,294.79				40077
Case	single	18	delivered	pd	P-card	Dan E	\$194.99	Pelican	Vault	Cabelas	\$3,755.51				
Mag Pouches	molle	21	delivered	pd	credit applied	N/A	\$42.79	molle Taco	Black	MDC	\$961.49				
	duty belt	21	delivered	pd	credit applied	N/A	\$42.79	belt mount taco	Black	MDC	\$961.49				
	molle-dual	2	delivered	pd	credit applied	N/A	\$53.99	X2R Taco	Black	MDC	\$115.54				
Speed Clips	pk 5	1	delivered	pd	credit applied	N/A	\$16.89	Blackhawk		MDC	\$18.18				
Magazines	single	23	delivered	pd	credit applied	N/A	\$33.09	MAGPUL	20LR	MDC	\$814.34				
Hand Stops	fore	21	ordered	pd	4012640		\$57.99	SIG Forward grip kit	Black	MDC	\$1,303.04				
Case	single	3	delivered	pd	P-card	Dan E	\$194.99	Pelican	Vault	Cabelas	\$625.92				
Optics	locks	84	delivered	pd	P-card	Marcel B		4 digit combo	Oria	Amazon	\$863.14				
	red dot	1	delivered	pd	P-card	C Bickford	\$499.99	Vortex	razor AMG UH-1	Cabelas	\$534.99				
	red dot	2	delivered	pd	IN00078514		\$859.99	Eotech	EXPS3-9	Wolverine	\$1,738.00				
Magnifiers	3X	1	delivered	pd	P-card	C Bickford	\$299.99	Vortex	VMX 3T	Cabelas	\$320.99				
Suppressor	threaded	1	delivered	pd	4011311		\$772.90	SIG Stainless direct thread	Black	MDC	\$827.00				
Armour	front/back	20	delivered	pd	10784		\$600 each	Angel Armor		Sigma	\$12,000.00				sample from MDC will be there
	front/back	8	delivered	pd	10859		\$600	Angel Armor		Sigma	\$4,383.00				
	front/back	52	ordered	pd	10895		\$600	Angel Armor		Sigma	\$31,200.00				
Slings		6	delivered	pd	I-58097		\$106.19			DS Tactical	\$655.14				
Lights		7	ordered	no		back ordered	\$106.19	\$1,637.85 next fiscal	\$106.19	DS Tactical	\$0.00				back ordered
		7	delivered	pd	5580		\$222.87	Streamlight	TLR-1-1000 lumens	JFT	\$1,560.09				
		7	delivered	pd	5580		\$208.92	Inforce	WMLX- 800 lumens	JFT	\$1,462.44				
		4	delivered	pd	2020-23611		\$180.00	Inforce	WMLX- 800 lumens	Rampart	\$745.00				
		2	delivered	N/A	N/A		free demos- belong to HQ	Surefire	X300U- 600 lumen	Summit	\$144,936.21	Total Spent			Dan E has
						Issues					\$2,871.04	less MDC Credit			
						MDC credit					\$58,218.75	less PSUPPT total			
						SDTR budget					\$83,846.42	SDTR total			
						PSUPPT budget		21 Sig Sauer Patrol Rifles	2776.14 each	716G2	7.62 Nato (308 cal)	\$58,298.86			

case/ 4 locks	275
cleaning kit	60
ammo -duty	120

Armour PlaAngel armour -designated front and backs	98	BC BID	\$600.00	N/A	\$58,800.00sigma
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Ammunition-Training					
Operator Courses	1200 rounds/officer (49 new rifles)	59,000 BC BID	\$1.00	\$59,000.00	federal lake city 149 gr fmj 500 round cartons
Requalifications	400 rounds /officer (70 patrol rifles)	28,000 BC BID	\$1.00	\$28,000.00	federal lake city 118-500 rnd boxes
Instructor Demos	1000 rounds/delivery	5,000 BC BID	\$1.00	\$5,000.00	federal lake city 56-500 rnd boxes
Practice rounds	70 officers				federal lake city 2-500 rnd boxes
TOTAL TRAINING ROUNDS		92,000 BC BID	\$1.00	\$92,000.00	federal lake city

49 - Sig Sauer 716 G2 Patrol Rifle Accessories

ITEM	Part description	Order Date	By Who	Vendor	quantity	price	total	Rec date	Inv #	BC BID
Optics	EO Tech EXPS3-9 Black	9/4/2020	Marcel	Wolverine	51	\$799.00	\$40,749.00	Jan 11/21	97539	PO#-009321
Fore End Stop	SIGPKIT-TRD-GRIP-Forward-blk	8/14/2020	Marcel	MDC	49	\$57.99	\$3,040.42		4022155	
Gun Light	Inforce WMLx	9/4/2020	Marcel	Rampart	63	\$208.90	\$13,160.70	Jan 5/21	R2020-25806	PO#-009282
Aluminum Rail M-LOK	MGMAG581-BLK-for light install	8/14/2020	Marcel	MDC	49	\$25.23	\$1,322.81	Sep 4/20	4019355	
M-Lok QD Sling Mount	MGMAG606-BLK	8/14/2020	Marcel	MDC	49	\$25.48	\$1,335.92	Dec 16/20	4022815	
Case	Pelican Vault 770 single	8/14/2020	Marcel	Cabelas	13	\$145.99	\$2,165.46	yes	PLOG	
		8/14/2020	Dave W	Cabelas	10	\$145.99	\$1,637.72	yes	PLOG	
		8/14/2020	Dan E	Cabelas	18	\$145.99	\$2,811.77	yes	PLOG	
		8/14/2020	Mike S	Cabelas	8	\$145.99	\$1,344.46	yes	PLOG	
		9/14/2020	Marcel	Amazon	30	\$14.99	\$449.70	yes	PLOG	
Case Locks	Oria 4 number combo (84 bought in 2019) 30 - 2 packs									
Cleaning Kit	OTIS-Deluxe Law Enf OTIS-FG-85211	7/30/2020	Marcel	Rampart	25	\$62.80	\$1,595.00	yes	R2020-25490	
					24	\$62.80	\$1,532.20	yes	R2020-25491	
Trigger Locks	combo	8/4/2020	Marcel	MDC	49	\$16.99	\$890.79	Aug 24/20	4018975	
Slings	MagPul M54 Dual QD Multi-Mission in Blk	10/19/2020	Dan E	Wolverine	21	\$76.00	\$1,636.00	Jan 8/21	97612	
			Dan E	911 Supply	29	\$94.99	\$2,632.25	27-Oct	PLOG	
Magazines	MAGPUL PMAG 20LR/SR Gen M3 Black	8/5/2020	Marcel	Millbrook	200	\$25.89	\$5,353.00	Sept 25/20	406	
Dual Mag Pouches	X2R Taco Molle, black	8/14/2020	Marcel	MDC	60	\$53.99	\$3,466.16	Dec 7/20	4022146	
Miscellaneous Supplies	targets/ lumber/ training aids/tables/tents						\$2,000.00			
Ammunition - Duty	4 boxes /officer/yr (80 boxes req)	10/15/2020	Marcel	Korth	31	\$39.96	\$1,238.76	Oct 19/20	IN0176523	
	165 gr gmx				49	\$39.96	\$1,958.04	Jan 29/21	IN180128	
	200 boxes purchased in 2019								IN180126	
Items	TOTAL BUDGET AVAILABLE- 49 NPR ACCESSORIES						\$150,000.00			
Misc supplies						\$2,000.00	\$148,000.00			
duty ammo 308 cal -31 boxes						\$1,238.76	\$146,761.24			
49 boxes						\$1,958.04	\$144,803.20			
mags						\$5,353.00	\$139,450.20			
trigger locks						\$890.79	\$138,559.41			
cleaning kits						\$3,127.20	\$135,432.21			
mag pouches						\$3,466.16	\$131,966.05			
M-locks -rails						\$1,322.81	\$130,643.24			
M-locks - sling mounts						\$1,335.09	\$129,308.15			
for end grip kit						\$3,040.42	\$126,267.73			
cases-Marcel (13)						\$2,175.49	\$124,092.24			
cases-Dave W (10)						\$1,659.67	\$122,432.57			
cases-Dan E (18)						\$2,811.77	\$119,620.80			
cases-Mike S (8)						\$1,344.46	\$118,276.34			
case locks						\$449.70	\$117,826.64			
Slings						\$4,268.25	\$113,558.39			
optics-done on BCBid						\$40,749.00	\$72,809.39		BCBID	
gun light-done on BC bid						\$13,160.70	\$59,648.69		BCBID	
						\$90,351.31				
training ammo	DOYLES CODING					\$100,000.00			BCBID	
									ITQ-006331	
									1300CD	
									BC BID FEE	
									closes Nov 11/20 2 pm	
49 New rifles	Capital coding \$2,594.52 each					\$128,020.68			BCBID	
									2500	
									BC BID FEE	
									7-Dec-20	
									4022028	

Sig Sauer 716 G2 Patrol Rifle Accessories

6/29/2020

ITEM	Part description	Quantity	Source	Price	GST (7%)	Total	
Scope	EO Tech EXP530 Black	49	BC BID	\$859.00	N/A	\$42,091.00	
Fore End Stop	SIGPKIT-TRD-GRIP-Forward-blk	49	MDC	\$57.99	\$198.91	\$3,040.42	
Gun Light	in force	62	JFT	\$180.00	\$781.20	\$11,941.20	have 7 already
Aluminium Rail M-LOK	MGMAG581-BLK-for light install	49	MDC	\$25.23	\$86.54	\$1,322.81	already ordered 21
M-Lok QD Sling Mount	MGMAG606-BLK	49	MDC	\$25.00	\$85.75	\$1,310.75	21 on back order
Case	Vault single	49	Cabelas	\$194.99	\$668.82	\$10,223.33	MDC has options
Case Locks	Oria 4 number combo (84 bought in 2019)	56	Amazon	\$10.28	\$40.30	\$615.98	2 per case
Cleaning Kit		49	Rampart	\$59.95	\$205.63	\$3,143.18	OTIS brand
Trigger Locks	combo	70	MDC	\$20.00	\$98.00	\$1,498.00	did not buy for first 21
Slings	single point Blue Force Gear -Vickers 221 sling padded	49	Wolverine	\$125.00	\$428.75	\$6,553.75	
Magazines	20 round clips	98	Millbrook	\$23.85	\$163.61	\$2,500.91	2 /rifle (rifle comes with one)
	20 round clips spares	30	Millbrook	\$23.85	\$50.09	\$765.59	ordered 106 in 2019
Dual Mag Pouches	X2R Taco Molle, black	60	MDC	\$58.99	\$247.76	\$3,787.16	includes 11 spares
Armour Plates	Angel armour -desiganted front and backs	98	BC BID	\$600.00	N/A	\$58,800.00	
Miscellaneous Supplies	targets/ lumber/ training aids/tables/tents					\$2,500.00	
		49	Patrol Rifles			\$150,094.08	\$3,063.14 each
Ammunition -Training			BC BID	\$1.00			
Operator Courses	1200 rounds/officer (49)	59,000	Backcountry	\$1.00		\$59,000.00	federal lake city 149 gr fmj 500 round cartons
Requalifications	400 rounds /officer (70)	28,000	Backcountry	\$1.00		\$28,000.00	federal lake city 118-500 rnd boxes
Instructor Demos	1000 rounds/delivery	5000	Backcountry	\$1.00		\$5,000.00	federal lake city 56-500 rnd boxes
Practice rounds	70 officers		Backcountry	\$1.00			federal lake city 2-500 rnd boxes
	TOTAL TRAINING ROUNDS	92,000	Backcountry	\$1.00		\$92,000.00	federal lake city
Ammunition -Duty	4 boxes /officer/yr bought 200 boxes in 2019	80 boxes	Korth	\$38.72	\$216.83	\$3,314.43	Hornady Outfitter 165 gr gmx 20/box
Notes:	HQ will not be source of spare parts or guns SDR needs to decide what they supply and what Regions are responsible for in future need details for exact EOTECH optic required for BC bid info BC Bid for ammo BC bid for armour plates BC Bid for EOTECH BC Bid for Slings BC Bid for cases BC Bid for Gun Lights						

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Capital Planning

FY 2020-21

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Priority Rank Branch	Capital Group Rep	BUSINESS (COS, PARKS	Area EA of Purchase	LOCATION	ITEM Description	RATIONALE	ESTIMATED COST

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1	SC	BCP			Sunshine Coast Boat Trailer Rep	Imminent failure. confirmed that there are no alternatives, and their marine operations out of Sechart will be seriously hindered if they don't have a safe, working trailer.	\$7,500.00
2	WC	BCP			Boat Engine		\$4,000.00
3	OP	BCP			Bear Trap		\$10,000.00
4	OP	BCP			Solar System Batteries		\$15,000.00
5	WC	BCP			Freezer		\$6,000.00
6	NCS	BCP			Utility Trailer		\$9,000.00
7	NCS	BCP			Utility Trailer		\$9,000.00
						Approved	\$60,500.00
Not Approved							
8	KO	BCP			Utility Trailer	Replace existing ATV, Snowmobile trailer which is old and unsafe.	\$ 6,000.00
9	NSC	BCP			Snow Blower	Snow removal no longer in Park Operator contract, need to remove with own forces.	\$ 3,000.00
10	OP	BCP			2 - Brush Saws	Required for vegetation management to protect facilities and new units better for staff and public safety.	\$ 3,000.00
11	Various	BCP			3 - Generators	Required to replace old units. Used for park operations	\$ 9,000.00
							\$ 21,000.00

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1	Tarik Dessouki		Neil Goeller	ECMS	Victoria	Flowtracker 2 top set wading rod	A flowtracker 2 unit was purchased in the 2019/20 fiscal year; however, the wading rod was not available at the time of purchase due to shipping issues. The unit cannot be used without a wading rod. This item is required to complete the set up and put the unit into service.	\$1,400.00
2	Tarik Dessouki	KMB	Neil Goeller	ECMS	Victoria	HACH OTT MF PRO, electromagnetic flow meter	This package includes a magnetic induction flow measurement device, handheld display unit/data logger and wading rod for a complete package. The instrument has advantages over doppler systems like the Flowtracker as it does not require a clear, 10 to 15 cm, window of water adjacent to the sensor. This means that measurements can be taken in shallow water and around obstructions. Presently we manage a fleet of flowtracker 1 and 2 units around the province for low flow (drought) monitoring, however, in some cases these units are not suitable for small streams in low flow. The OTT will provide more options and alternate capabilities to monitor low flows. In addition, other functionality of the units allows for pipe flow, flumes and weir flow calculations. We have staff who are proficient in its use and can provide training and support allowing us to put it into service immediately. The data format has been proposed for integration into the provincial Aquarius data base. There is a demonstrated need for these units around the province to better characterise low flows which are the limiting condition for water licensing and for drought response.	\$11,200.00
2	Joyce Austin	KMB	Andre Bindon	ARKS	Victoria	Analytical Lab	The ENV Laboratory uses a ring grinding system to break down large soil particles and ensure sample homogeneity for analysis. The current system in the lab dates back to the early 1980's and was the subject of an ergonomic assessment by WorkSafe BC and PSA Workplace Health and Safety in June 2018. A replacement, bench top system that would significantly improve sample throughput, ergonomics for the operator and the quality of the preparation costs approximately \$27K. (quotation available, head quotation coming.)	\$27,000
Approved								\$39,600
Not Approved								
3	Tarik Dessouki	KMB	Neil Goeller	ECMS	Victoria	QiQuac, salt dilution measurement unit	The QiQuac is a complete kit for carrying out semi-automated Salt dilution discharge measurements. The unit includes instruments for mixing the injection solution, a handheld unit with probe for conductivity measurement/discharge calculation. The data output from the QiQuac can be imported directly into the Provincial Aquarius database. Salt dilution measurements are suitable for higher gradient turbulent streams where wading instruments like the Flowtracker and OTT are unsuitable. ECMS has expertise in house in the use of the instrument to provide provincial training allowing us to put a unit into service immediately. This unit fills the gap for gauging in higher gradient streams as well as headwaters streams which provincial staff presently are unable to measure. This is a critical gap as knowledge of flows is required for resource management decisions and there are presently no provincially available instruments to carry out measurements. This data would be used for allocation decision and drought response.	\$8,500
4	Tarik Dessouki	KMB	Neil Goeller	ECMS	Victoria	Flowtracker 2, acoustic doppler flow meter	The Flowtracker 1 units which are presently in frequent use around the province have had a good life. The manufacturer, Sontek, has announced that in December 2020 they are discontinuing service on the units. This means that any unit which malfunctions or is accidentally damaged beyond proper function cannot be repaired and returned to service. Due to the Flowtracker 1 design and calibration, parts from one unit cannot be swapped to another. Over the coming years these units have an increasing chance of failure and/or accidental irreparable damage. To prepare for this we propose to begin purchasing the next generation Flowtracker 2 to replace them over time. Presently all Flowtracker units are deployed in the field around the province and see frequent use. Many projects rely on these instruments for implementation. The loss of an instrument will leave a large gap in capacity to carry out drought monitoring and meet the obligations of water allocation and other monitoring and research partnerships.	\$18,500
5	Tarik Dessouki	KMB	Neil Goeller	ECMS	Victoria	AQAC, Automatic Salt Dilution System	The automatic salt dilution gauging system is comprised of a 300L tank of salt solution with water level sensor and injection electronics coupled with downstream sensors. The unit is intended for temporary installation along a stream channel with an upstream injection site and downstream conductivity sensors. The advantage of these units is that, once set up, they automatically inject the salt solution and measure discharge for a range of programmed conditions (time interval, water level change, rate of change etc.). This allows rapid (automated and remote controlled) rating curve development. Rating curves are the most labour-intensive aspect of flow monitoring requiring multiple field visits to measure discharge at a range of flows at one site. This unit would reduce the workload substantially. We propose to purchase a mobile unit that could be used on smaller streams around the province to rapidly measure stormflow and low flow rating curves at sites with more stable morphology. The unit would be moved between systems as rating curves are built. This will save a great deal of staff time and allow the rapid development of rating curves at many sites and provide flow data for resource management decisions. Presently drought response and water allocation require more data on low flows and this unit will fill this gap.	\$15,000
6	Tarik Dessouki	KMB	Neil Goeller	ECMS	Victoria	TRDI – StreamPro - Acoustic Doppler Current Profiler (ADCP)	ADCP units are usually mounted onto small boats to measure discharge across a channel by pulling it back and forth along a rope system. Multiple rapid measurements can be carried out at a site as it can complete a cross section in minutes, compared to wading measurements which can take several hours. The ADCP can also measure discharge in streams too deep for wading and water too swift to safely wade. The speed of measurement allows more sites to be completed in one day than by wading, generally 3 to 4 times as many sites depending on travel time and setup/teardown. The complete package comprises a small boat, acoustic unit with controller, a rugged/waterproof controller to run the unit and rigging. There is a definite need in the province for these units as streams which cannot be gauged using existing equipment are frequently encountered (too deep, too swift, access limitations etc). The unit would be loaned out around the province for use on projects and regular monitoring during drought. Expertise to train staff and run this unit exists already and staff have been working on standard operating procedures for the province. Water Survey of Canada also uses these units and their expertise is available if needed. This unit would assist in drought response and allocation decisions as well as research projects and other partnership activities with local governments and First Nations.	\$50,000

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**Ministry of Environment
2020/21 Capital Allocation**

	Specialized Equipment Tier 1	Specialized Equipment Tier 2	Notes
Budget	327,000		
Identified Need			
ES Ecosystems	21,000		
ES Lab	27,000		This will be a part of a TB Sub. If succesful will come back to the Minsitry pot for reallocation
ES Hydrometric	12,600		
EP Environmental			
Emergencies	2,500		
EP ROB	12,000		
Parks and			
Protected Areas	60,500		
Conservation			
Officer Service	136,000		
Contingency	55,400		
	327,000	-	-
Over/Under	-	-	-

COST PER PATROL RIFLE (FY 20-21)

	\$ Price /unit	# req	total \$		
scope	\$820.32	1	\$820.32		
fore end grip	\$60.00	1	\$60.00??		
light	\$208.90	1	\$210.00		
magnifiers	\$645.00	1	\$645.00		
rail lock	\$19.75	1	\$19.75		
sling mount	\$26.22	1	\$26.22		
hard case	\$159.95	1	\$159.95		
soft case	\$152.00	1	\$152.00		
2 case locks	\$6.76	2	\$13.53		
cleaning kit	\$63.67	1	\$65.00		
trigger lock	\$18.18	1	\$18.18		
Angel armour	\$1,260.00	1	\$1,260.00		
sling	\$75.25	1	\$75.25		
20 rnd mags	\$29.95	2	\$59.90		
mag pouches	\$55.00	1	\$55.00		
		80 rnds			
308 Duty ammo	\$2.04/rnd	(4 boxes)	\$163.00		
		\$ per rifle	\$3,803.10		
Patrol Rifle	PO009196	1	\$2,776.14	60 Rifles	\$166,568.40
Total Cost/Rifle		1	\$6,579.24		
49 Patrol Rifles		49	\$322,382.76		

2020-2021 Patrol Rifle
Expenditure Tracker

Mar26/21

\$409,000(KVO) + \$75,000(MB)
transferred to RC29823 Sub 69

\$484,000

\$484,000

\$484,000									Actuals					
Project #	Project #	BC BID FEES	Reg#	BC BID posted date	BC BID closing date	Del date	PO #	TOTAL PAID Incl shipping & PST (7%)	INV #	Purchaser	Supplier	Order Date	Rec'd Date Completed	
229823	229823	scope	\$1,300.00	35173	17-Nov-20	25-Nov-20	19-Mar-21	PO-009392	\$49,218.93	4020298	MB	MDC	Mar 25/21	
		fore end grip kit	invoice	ordered					\$3,722.96	4019878	DE	MDC	Nov 25/20	
		light	\$500.00		20-Nov-20	3-Dec-20	12-Mar-21	PO-009388	\$12,534.00	R2021-26101	MB	Rampart	Jan 12/21	
		magnifiers	\$1,300.00	35175	10-Dec-20	18-Dec-20	19-Mar-21	PO-009441	\$83,850.00	52753	MB	Wolverine	Mar 24/21	
		rail locks-for light	invoice						\$1,185.00	IN00098317	DE	Wolverine	Nov 25/20	
		QD sling mount	invoice						\$1,572.91	4025519			Mar 12/21	
										4025660	DE	MDC	Jan 13/21	
		Pelican gun case	\$500.00	35176	10-Dec-20	18-Dec-20	15-Jan-21	PO-009438	\$9,597.00	14600	MB	Professional security Products	Jan 25/21	
		CASE locks-2/case	purchase card						\$405.83		MB	Amazon	Nov 13/20	
		cleaning kit	invoice						\$3,819.90	1008730	MB	MDC	Nov 13/20	
		trigger lock	invoice						\$1,090.76	4022446	MB	MDC	Nov 13/20	
		armour plates \$600/plate-130 plates	\$1,300.00	direct award			10-Mar-21	PO-009504	\$60,000.00	12702	MB	Sigma Safety	Feb 26/21	
		slings	invoice						\$4,515.00	IN00100167	DE	Wolverine	Nov 25/20	
		20 rnd mags	invoice						\$1,497.50	IN00096490	DE	Wolverine	Nov 25/21	
		double mag pouches	invoice						\$3,466.16	4022913	DE	MDC	Dec 8/20	
		polyK2R	invoice						\$780.54	4022913	DE	MDC	Dec 8/21	
		soft cases	\$800.00	35351	12/20/2029	12-Jan-21	11-Mar-21	PO-009467	\$19,370.00	IN00100377	MB	Wolverine	Feb 19/21	
		targets	invoice						\$8,087.74	3608	DE		Feb 8/21	
			credit card						\$1,145.22	3609	DE	Beon Printing	Dec 8/20	
		308 inert rounds	purchase card						\$389.00		DE	Wolverine	Dec 01/20	
		glock parts (assort)	invoice						\$3,228.75		DE	Rampart	Dec 16/20	
		DT Accessories	purchase cards/Mix						\$13,760.88		SDTR			
		Armourer bags	purchase card						\$1,925.80		DE	Cabelas	Nov 25/21	
		Cell Boosters	invoice							20-7250				
		Pistol Sights	\$800.00	35181	11-Dec-20	21-Dec-20	24-Jan-21	PO-009443	\$1,996.62	20-7251	MB	Mega-Tech	Oct 28th/20	
		Training Guns (8)	purchase card						\$13,123.75	R2021_26510	MB	Rampart	Dec 17/20	
		308 Practice	\$1,300.00		3-Dec-20	16-Dec-20	19-Mar-20	PO-009428	\$2,430.96		DE	MDC	Feb 24/20	
		308 Duty	\$500.00	35251	1-Dec-20	12-Dec-20	19-Mar-20	PO-009420	\$96,107.40	297013	MB	Backcountry		
									\$8,150.00	IN0180125	MB	Korth	12-Jan	
										IN0180127			29-Jan	
		40 cal Duty								IN0073911				
			\$800.00	35243	3-Dec-20	16-Dec-20	19-Mar-21	PO-009421	\$3,311.00		MB	Korth	29-Jan	
		40 cal Training	n/a		3-Dec-20	16-Dec-20	20-Mar-21	PO-009422	\$15,398.37	4023597	MB	MDC	21-Jan	
		12 gauge Slugs	\$500.00		8-Jan-21	19-Jan-21	19-Mar-21	PO-009452-1	\$6,394.32	300826	MB	Backcountry	11-Mar	