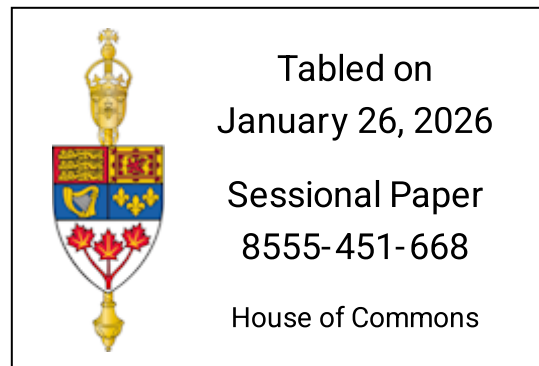

Question

With regard to the Department of National Defence, the Public Health Agency of Canada and the Department of Health: (a) since 2019, what are the details of all projects which included the Department of National Defence working together with either the Public Health Agency of Canada or the Department of Health, or both, including (i) the project name, (ii) the start date, (iii) the end date, (iv) the cost of the project, (v) the total number of personnel who contributed to the project, (vi) which departments contributed to the projects, (vii) which employees or contractors contributed to the projects, (viii) which department was responsible for the approval of project decisions, (ix) the project's purpose; (b) for each project in (a), which companies contributed to the project, and, for each, what was the (i) company name, (ii) cost of company services, (iii) date of company services, (iv) subject of the service provided; and (c) for the companies in (b), is there a process to audit for conflict of interest, and, if so, which department conducts the audits and stores the audit results?

Response

This response was tabled in the House of Commons on January 26, 2026, as Sessional Paper 8555-451-668.



Order/Address of the House of Commons

Question number
Q-668

Asked by
Cheryl Gallant (Algonquin—Renfrew—
Pembroke)

Date asked
December 8, 2025

Presented by

Kevin Lamoureux

Parliamentary Secretary to the
Leader of the Government in
the House of Commons

Health Canada

Reply by: the Minister of Health

Name of Signatory: Signed by Maggie Chi

Reply

Public Health Agency of Canada

With regard to the Department of National Defence, the Public Health Agency of Canada and the Department of Health: (a) since 2019, what are the details of all projects which included the Department of National Defence working together with either the Public Health Agency of Canada or the Department of Health, or both, including:

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project	(v) the total number of personnel who contributed to the project	(vi) which departments contributed to the projects	(vii) which employees or contractors contributed to the projects	(viii) which department was responsible for the approval of project decisions	(ix) the project's purpose
An assessment by the Council of Canadian Academies: Balancing Research Security and Open Science for Dual Use Research of Concern	2023-03-01	2025-10-01	\$0; This project was supported by the Government of Canada through the Strategic Science Fund.	Public Health Agency of Canada: 8-10	Co-leads: Public Health Agency of Canada and Defence Research and Development Canada, Supporting: Department of Fisheries and Oceans, Environment	Managers and analysts in the Office of Biosafety and Biosecurity Program, Director of Office of Biosafety and Biosecurity Program, Director General of the Centre for Biosecurity, Deputy Chief	Public Health Agency of Canada and Defense Research and Development Canada, also Innovation, Science and Economic Development Canada as it related to the	The Council of Canadian Academies convened an external panel of experts to answer the research question, "What does current evidence suggest for

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project	(v) the total number of personnel who contributed to the project	(vi) which departments contributed to the projects	(vii) which employees or contractors contributed to the projects	(viii) which department was responsible for the approval of project decisions	(ix) the project's purpose
					and Climate Change Canada, National Research Council, Natural Resources Canada, Transport Canada, Canadian Food Inspection Agency, Health Canada, Innovation, Science and Economic Development Canada, Public Safety	Science Officer, 2 employees from Communications. The Council of Canadian Academies convened an expert panel of 13 members external to the Government of Canada.	initial selection of proposals for assessment	identifying and protecting dual-use research of concern while balancing open science and innovation?" The purpose was therefore to assess strategies to identify and protect dual use research of concern while at the same time balancing open science and innovation.

(b) for each project in (a), which companies contributed to the project, and, for each, what was the (i) company name, (ii) cost of company services, (iii) date of company services, (iv) subject of the service provided; (c) for the companies in (b), is there a process to audit for conflict of interest, and, if so, which department conducts the audits and stores the audit results?

No companies contributed to the project.

National Defence

Reply by: the Minister of National Defence

Name of Signatory: Sherry Romanado

Reply

National Defence

(a) since 2019, what are the details of all projects which included the Department of National Defence working together with either the Public Health Agency of Canada or the Department of Health, or both:

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval decision (Note Three)
Advancing Resiliency for Agnostic Biological Threat Detection whilst Refining Federal Laboratory Surge Capacity	October 1, 2025	March 31, 2028	\$943,841.26	3	National Defence, Public Health Agency of Canada and the Canadian Food Inspection Agency	Chief, Bioforensics Assay Development and Diagnostics, Division of Health Security and Response Project Leader, Project Director, Project Champion, Project Manager	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
Strengthening Indigenous community resilience through on-site pathogen detection in country foods (lab-on-a-chip prototype)	July 28, 2025	July 27, 2027	\$1,286,218.00	13	National Defence and Health Canada	Project Director, Project Champion, Project Manager	National Defence, Health Canada, and National Research Council
Best Practices for Microbial Forensic Investigations: Process Interlaboratory Exchange - Sample Procedures In Casework Examination	May 20, 2024	March 31, 2026	\$90,000.00	1	National Defence and Health Canada	Project Director/Defence Scientist	National Defence and Health Canada
Voice and face biometric template protection for identity management in telehealth	October 16, 2023	October 17, 2025	\$506,740.00	1	National Defence and Health Canada	Project Director/Defence Scientist	National Defence and Health Canada
A3 Safety - Securing All Canadians Anytime Anywhere Through Deployable Rapid Automated	December 1, 2023	November 30, 2026	\$2,503,609.00	4	National Defence and Health Canada	Project Director/Defence Scientist	National Defence and Health Canada

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
Genomic Sequencing Technology							
Nuclear Emergency Response – Nuclear Vessel – British Columbia Live Exercise	December 4, 2023	March 31, 2025	\$565,000.00	Note Five	National Defence, Canada Border Services Agency, Environment and Climate Change Canada, and Health Canada	Scientists, Military Personnel, First Responders, Field Operators, and Health Specialists	National Defence and Health Canada
Live Operations	July 1, 2022	June 30, 2025	\$999,732.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	National Defence and the Public Health Agency of Canada
Live Operations	December 24, 2021	March 31, 2023	\$485,000.00	Note Five	National Defence,	Scientists, Military Personnel, First	National Defence

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval decision (Note Three)
					Canada Border Services Agency, Environment and Climate Change Canada, Health Canada, and Indigenous Services Canada	Responders, Field Operators, and Health Specialists	and Health Canada
Improving Early Warning of Emerging Threats	May 2021	December 2022	\$616,638.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	National Defence and the Public Health Agency of Canada
Agnostic Metagenomics for Identification of Novel or Synthetically Modified Microorganisms	April 1, 2021	March 31, 2024	\$1,068,000.00	1	National Defence and the Public Health Agency of Canada, Canadian Food Inspection Agency	Project Director/Defence Scientist	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
Developing Rapid Point-of-care Diagnostics for High-consequence Zoonotic Pathogen Detection	April 2020	March 2024	\$1,071,476.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	National Defence and the Public Health Agency of Canada
Psychosocial impacts: the New Canadian Paradigm for Nuclear Emergency Planning	July 1, 2020	February 28, 2023	\$516,297.88	3	National Defence and Health Canada	Note Five	Health Canada
Best Practices for Microbial Forensic	June 1, 2019	March 31, 2021	\$355,679.00	1	National Defence and	Project Director/Defence	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
Investigations: Microbial Investigation Processing Inter-laboratory Exchange					the Public Health Agency of Canada	Scientist	
Multi-agency high consequence pathogen exercise	April 1, 2019	March 31, 2021	\$285,000.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	Note Four
Hot Zone Biological Sample Collection for National Security Response	September 1, 2018	March 31, 2020	\$307,927.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
Forensics advances in nuclear proliferation monitoring and remote monitoring of nuclear accidents	April 1, 2019	October 4, 2021	\$1,265,596.00	12	National Defence, Health Canada, Environment and Climate Change Canada, and Natural Resources Canada	Health Scientists and Modeling Specialists	Health Canada
Exercise Canadian Network for Public Health Intelligence on-the-go mobile application	September 1, 2018	March 31, 2019	\$160,000.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval decision (Note Three)
Portable Automated Biosensing of Potential Dual-Use Bio-threats to Water Systems	January 7, 2019	June 30, 2022	\$1,355,000.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
Incorporating advanced data analytics into a health intelligence surveillance system	February 1, 2019	January 31, 2022	\$4,300,672.84	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	National Defence and the Public Health Agency of Canada
Machine learning to assess the risk of avian influenza variants to animal, ecosystem, and public health	September 1, 2025	March 8, 2028	\$1,410,000.00	8	National Defence, Public Health Agency of Canada and the Canadian Food Inspection Agency	Research Scientist - Head, Genomics Unit at the National Centre for Foreign Animal Disease (Winnipeg) Research Scientist - Head, Avian Diseases Unit at the National Centre for Foreign Animal	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval decision (Note Three)
						Disease (Winnipeg) Head, High Containment Respiratory Viruses at the National Microbiology Laboratory Research Scientist at the National Centre for Foreign Animal Disease (Winnipeg) Executive Director of the Animal Health Science Directorate Associate Professor at the University of Guelph Assistant Professor at Dalhousie University Science Lab Evaluator at the National Centre for Foreign Animal Disease (Winnipeg) Project Leader, Project Director, Project Champion, Project Manager	
Transmission dynamics of Emerging Disease: Evaluating deadly zoonoses	September 15, 2025	April 30, 2028	\$2,236,900.00	4	National Defence, Public Health Agency of Canada and the Canadian Food	Executive Director, Animal Health Science Directorate Scientist Specialist, Special Pathogens Unit, National Centre for Foreign Animal Disease	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
					Inspection Agency	Research Scientist, Special Pathogens Unit, National Centre for Foreign Animal Disease Research Scientist, National Microbiology Laboratory, Public Health Agency of Canada Project Leader, Project Director, Project Champion, Project Manager	
Assessing the risk of currently circulating highly pathogenic avian influenza virus variants in mammals	November 14, 2024	March 31, 2026	\$329,000.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	National Defence and the Public Health Agency of Canada
Live-play activities leading up to hosting Capability Based Exercise 2026	October 1, 2024	March 31, 2027	\$1,502,495.00	300	National Defence, Royal Canadian Mounted Police, Transport Canada, Environment and Climate Change Canada, and the Public Health	Note Five	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
					Agency of Canada		
Support to Capability Based Exercise 2024	April 1, 2024	March 31, 2025	\$201,500.00	5	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	Note Four
Pilot Pan-Canadian Surveillance for Mammalian Viral Pathogens Using Hematophagic Organisms and Environmental Samples	December 22, 2023	March 31, 2026	\$2,129,678.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	National Defence and the Public Health Agency of Canada
Development of low burden shielding material with melanocytes	September 1, 2022	March 31, 2024	\$244,997.00	12	National Defence, Atomic Energy Canada Limited, National Research Council Canada.	Scientists from the Canadian Nuclear Laboratories	National Defence and Atomic Energy Canada Limited
Applying Natural Language Processing	April 4, 2022	March 31, 2023	\$180,000.00	6	National Defence and	Project Director, Project Champion,	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval decision (Note Three)
for Mental Health and Self-harm using Paramedic Service Data Sets					Public Health Agency of Canada	and Project Partners	
Point-of-Need testing: Enhancing Canada's preparedness against emerging infectious disease	October 1, 2022	March 31, 2026	\$996,667.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	National Defence and the Public Health Agency of Canada

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
Development of a universal Newcastle disease viral vector platform against newly emerging pandemic viruses	May 2022	March 2026	\$1,174,443.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	National Defence and the Public Health Agency of Canada
Support to Capability Based Exercise 2022	April 1, 2022	March 31, 2023	\$232,000.00	3	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist 2 Lead Evaluators/Defence Scientists	Note Four
Live Operations	December 24, 2021	March 31, 2023	\$485,000.00	Note Five	National Defence, Canada Border Services Agency, Environment	Scientists, Military Personnel, First Responders, Field Operators, Health Specialists	National Defence and Health Canada

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
					and Climate Change Canada, Health Canada, and Indigenous Services Canada		
Atmospheric Nuclear Forensics Capability Advancement Project	September 1, 2020	August 31, 2023	\$4,285,649.00	20	Canadian Nuclear Safety Commission, Atomic Energy Canada Limited, National Research Council Canada, Health Canada, Environment and Climate Change Canada, Natural Resources Canada	Federal and Academic Scientists and Engineers	National Defence and the Canadian Nuclear Safety Commission
The Epigenetic Basis of Radiation Exposure	September 1, 2020	September 28, 2023	\$1,057,678.31	6	National Defence, Health Canada, Atomic Energy Canada Limited	Scientists from the Canadian Nuclear Laboratories	National Defence and Atomic Energy Canada Limited

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval decision (Note Three)
Hot Zone Biological Sample Collection for National Security Response	September 1, 2018	March 31, 2020	\$307,927.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
Exercise Canadian Network for Public Health Intelligence on-the-go mobile application	September 1, 2018	March 31, 2019	\$160,000.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	Note Four
Biosafety Level 4 Zoonotic Laboratory	October 1, 2018	March 31, 2022	\$133,433.00	3	National Defence and	Project Director/Defence	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval decision (Note Three)
Network: Canadian-led exercise					the Public Health Agency of Canada, Canadian Food Inspection Agency	Scientist	

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval decision (Note Three)
Integrated bio-forensic response to human and animal high consequence pathogens	September 1, 2018	March 31, 2020	\$1,178,185.00	1	National Defence, Royal Canadian Mounted Police, and the Public Health Agency of Canada	Project Director/Defence Scientist	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
Capability Based Exercise 2018	September 4, 2018	March 29, 2019	\$277,000.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval decision (Note Three)
Enhancing Canada's Biothreat Operator Preparedness and Response Capability	September 4, 2018	March 31, 2022	\$1,603,000.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
Synthetic Biology Threats: Fighting fire with fire	September 4, 2018	March 31, 2021	\$2,175,000.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of the project decision (Note Three)
Enhancing Canada's Response Capability to High Priority and Unknown/Unexpected Viruses	September 28, 2018	March 31, 2021	\$927,000.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	Note Four

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval decision (Note Three)
Building Wildlife Surveillance Capacity for Enhanced Pandemic Preparedness	October 2022	March 2024	\$1,645,000.00	1	National Defence, the Public Health Agency of Canada, and the Canadian Food Inspection Agency	Project Director/Defence Scientist	National Defence, the Public Health Agency of Canada, and the Canadian Food

(i) the project name	(ii) the start date	(iii) the end date	(iv) the cost of the project (Note One)	(v) the total number of personnel who contributed to the project (Note Two)	(vi) which departments contributed to the projects (Note Three)	(vii) which employees or contractors contributed to the projects (Note Two)	(viii) which department was responsible for the approval of project decisions (Note Three)
							Inspection Agency
Artificial Intelligence for front-line laboratories: preparing for high-consequence pathogens to reduce their risk	June 1, 2022	March 1, 2025	\$999,746.00	1	National Defence and the Public Health Agency of Canada	Project Director/Defence Scientist	National Defence and the Public Health Agency of Canada
Efficacy of Hiltonol against Severe Acute Respiratory Syndrome Coronavirus 2	2021	2023	\$28,399.60	2	National Defence and the Public Health Agency of Canada	Biologist and Project Director	National Defence

Note One: Amounts listed reflect estimated final costs for ongoing projects, and as such do not reflect amounts spent and may be subject to change.

Note Two: The requested information is not centrally tracked. In some cases, the information provided includes employees from other departments, while in others they reflect only National Defence personnel. Providing more precise data would require manual verification, which could not be completed within the allotted timeframe.

Note Three: Other entities and organizations may have also contributed to these projects, such as provincial and local governments.

Note Four: The department responsible for approval of project decisions varies depending on the decision.

Note Five: The information requested is not centrally tracked. Providing more precise data would require manual verification, which could not be completed within the allotted timeframe.

(b) for each project in (a), which companies contributed to the project, and, for each, what was the (i) company name, (ii) cost of company services, (iii) date of company services, (iv) subject of the service provided;

project name	(i) company name	(ii) cost of company services	(iii) date of company services	(iv) subject of the service provided
Voice and face biometric template protection for identity management in telehealth	Centre de Recherche Informatique de Montreal	\$461,061.00	16 October 2023 – 17 October 2025	Science and technology expertise in biometrics
Live Operations	Calian	\$370,000.00	5 September 2023 – 31 March 2025	Exercise planning
Federal Nuclear Emergency Plan Nuclear Vessel Live Play Exercise	Calian	\$315,000.00	December 2021 – March 2023	Exercise planning
Psychosocial impacts: the New Canadian Paradigm for Nuclear Emergency Planning	Deloitte	\$196,371.68	2020 – 2022	Development of a common unit / decision-making tool to compare radiological and psychosocial impacts, to assist disaster planning and preparedness in Canada
Machine learning to assess the risk of avian influenza variants to animal, ecosystem, and public health	University of Guelph and the Dalhousie University	Note One	Note One	Note One
Live-play activities leading up to hosting Capability Based Exercise 2026	Calian	\$110,000.00	July 2025 – February 2026	Exercise support
Development of low burden shielding material with melanocytes	Canadian Nuclear Labs	\$244,997.00	1 September 2022 – 31 March 2024	Conducting radiation shielding trials by melanocytes (melamin cells) in fungi.
Live Operations	Calian	\$315,000.00	December 2021 – March 2023	Exercise planning
Atmospheric Nuclear Forensics Capability Advancement Project	Solar Neutrino Observatory	\$109,000.00	September 2020 – August 2023	Measuring signatures of noble gases in the atmosphere

project name	(i) company name	(ii) cost of company services	(iii) date of company services	(iv) subject of the service provided
The Epigenetic Basis of Radiation Exposure	Canadian Nuclear Labs	\$108,304.02	1 September 2020 – 28 September 2023	Testing the epigenetic component of biological responses to radiation in heart and lung tissue.

Note One: Details have yet to be finalized as the project is ongoing.

(c) for the companies in (b), is there a process to audit for conflict of interest, and, if so, which department conducts the audits and stores the audit results?

National Defence did not conduct any audits related to the question.