



# **2022 ANNUAL INFORMATION FORM 51-102F2**

**Year Ended August 31, 2022**

**October 20, 2022**

## TABLE OF CONTENTS

<b>CAUTION CONCERNING FORWARD-LOOKING INFORMATION</b> .....	<b>1</b>
<b>CORPORATE STRUCTURE</b> .....	<b>1</b>
Name, Address and Incorporation.....	1
Intercorporate Relationships.....	1
<b>BUSINESS OF THE COMPANY</b> .....	<b>2</b>
Introduction .....	2
Shared Purpose and Values.....	2
Safety Mandate.....	3
Safety Management System .....	4
Our Services .....	5
Customer Service Charges .....	7
Human Resources .....	8
Environmental Matters.....	9
Insurance .....	11
<b>GENERAL DEVELOPMENT OF THE BUSINESS</b> .....	<b>11</b>
Safety.....	11
Customer and Operational Efficiency .....	12
Cost-Effectiveness.....	14
Recent Developments .....	15
<b>CAPITAL STRUCTURE</b> .....	<b>15</b>
<b>CREDIT RATINGS</b> .....	<b>16</b>
<b>RISK FACTORS</b> .....	<b>17</b>
Safety.....	17
Infectious Diseases .....	18
Air Traffic .....	18
User Pay Model .....	18
Capital Debt.....	19
Pension Plan.....	19
Collective Agreements and Labour Matters .....	19
Business and Operational Technology Security.....	19
Business Interruption.....	20
Insufficient Staffing .....	21
<b>CORPORATE GOVERNANCE</b> .....	<b>21</b>
Board of Directors Structure and Composition.....	21
Directors .....	22
Independent Functioning of the Board .....	27
Directorships of Other Reporting Issuers .....	28
Nomination of Directors .....	28
Assessments .....	29
Position Descriptions .....	29
Orientation and Continuing Education.....	29
Compensation.....	30
Ethical Business Conduct.....	31
Gender Diversity .....	32
Board Committees.....	32
Audit & Finance Committee Information.....	34
Executive Officers.....	36
Corporate Cease Trade Orders, Bankruptcies, Penalties or Sanctions.....	37
<b>LEGAL PROCEEDINGS</b> .....	<b>38</b>
<b>INTERESTS OF EXPERTS</b> .....	<b>38</b>
<b>MATERIAL CONTRACTS</b> .....	<b>38</b>
<b>TRANSFER AGENT AND REGISTRAR</b> .....	<b>39</b>
<b>ADDITIONAL INFORMATION</b> .....	<b>39</b>
<b>APPENDIX A</b> .....	<b>40</b>
<b>APPENDIX B</b> .....	<b>43</b>
<b>APPENDIX C</b> .....	<b>45</b>
<b>APPENDIX D</b> .....	<b>47</b>

**APPENDIX E..... 49**  
**APPENDIX F..... 50**  
**APPENDIX G..... 53**  
**APPENDIX H..... 62**

# NAV CANADA

## 2022 ANNUAL INFORMATION FORM

### ON FORM 51-102F2

#### CAUTION CONCERNING FORWARD-LOOKING INFORMATION

This annual information form (AIF) contains certain statements about our future expectations. These statements are generally identified by words like “anticipate”, “plan”, “believe”, “intend”, “expect”, “estimate”, “approximate”, “forecast” and the like, as well as future or conditional verbs such as “may”, “will”, “should”, “would” and “could”, or negative versions thereof. Because forward-looking statements involve future risks and uncertainties, actual results may be different from those expressed or implied in these statements and these differences may be material. Examples of risks and uncertainties NAV CANADA (also referred to in this AIF as we, our, us or the Company) faces include geopolitical uncertainty and in particular increased volatility relating to the conflict in Ukraine, terrorist attacks and the threat of terrorist attacks, war, epidemics or pandemics, government interventions and related travel advisories and restrictions, climate change and environmental factors (including weather systems and other natural phenomena and factors arising from man-made sources), cyber security attacks, labour negotiations, arbitrations, workforce recruitment, training and retention, general aviation industry conditions, air traffic levels, the use of telecommunications and ground transportation as alternatives to air travel, capital market and economic conditions, the ability to collect customer service charges and reduce operating costs, changes in interest rates, changes in laws, tax changes, adverse regulatory developments or proceedings, lawsuits and other risks detailed from time to time in our publicly filed disclosure documents. Some of these risks and uncertainties are explained under “Risk Factors” in this AIF. The forward-looking statements contained in this AIF represent our expectations as of October 20, 2022 and are subject to change after this date. Our forward-looking statements are based on information currently available to the Company. Given the rapidly evolving circumstances surrounding the COVID-19 pandemic, including the occurrence of new variants and government implemented restrictions, there is significant uncertainty associated with various assumptions underlying the forward-looking information contained in this AIF. These assumptions include but are not limited to the following: the impact of COVID-19 and vaccination levels on global and domestic air traffic and on the aviation industry in the near-term; the likelihood that the post-pandemic economic recovery may be gradual and uneven; long-term growth in economic recovery and a return to a willingness to travel will provide the basis for increased air travel demand in the future; no other significant event such as a natural disaster or other calamity will occur that has an impact on the ordinary course of business or the macroeconomic environment. Refer to “General Development of the Business - Recent Developments - COVID-19 Pandemic” for further discussion of the impact on NAV CANADA. Readers of this AIF are cautioned not to place undue reliance on any forward-looking statement. We disclaim any intention or obligation to update or revise any forward-looking statement included in this document whether as a result of new information, future events or for any other reason, except as required by applicable securities legislation.

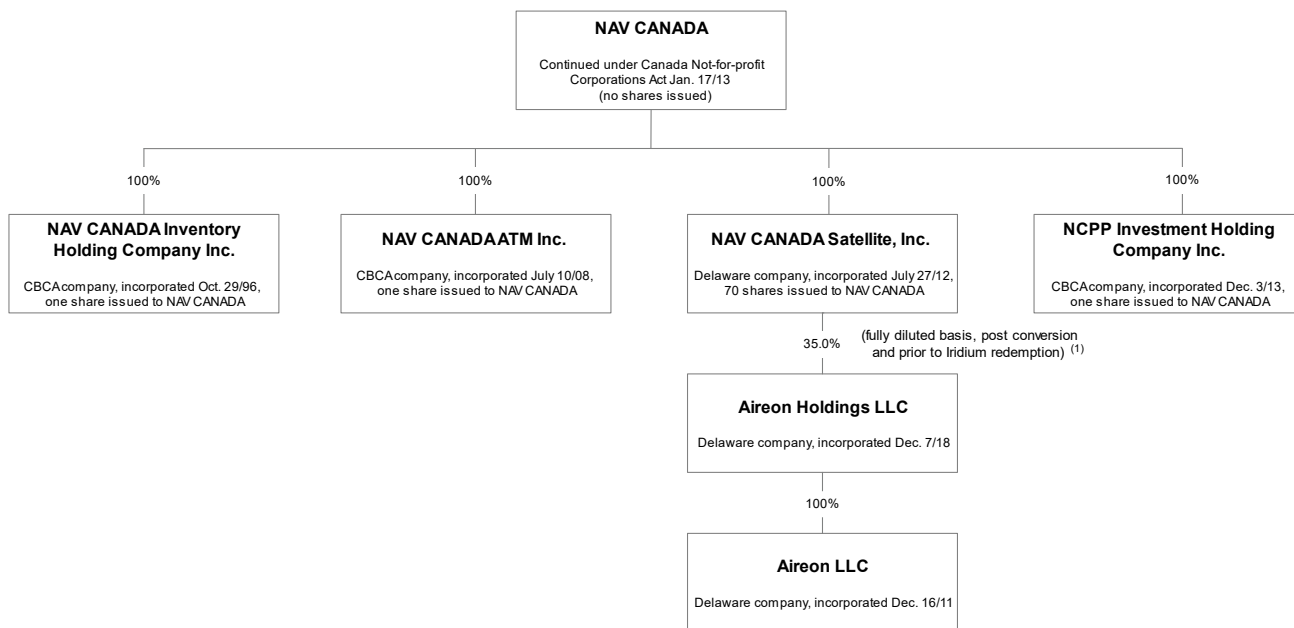
#### CORPORATE STRUCTURE

##### Name, Address and Incorporation

The Company was continued under the *Canada Not-for-profit Corporations Act* on January 17, 2013. The Company was originally incorporated on May 26, 1995 as a non-share capital corporation under Part II of the *Canada Corporations Act*. Our head office is located at 151 Slater Street, Suite 120, Ottawa, Ontario K1P 5H3.

##### Intercorporate Relationships

The following chart illustrates the corporate structure of the Company.



- (1) The Company and the other investors in Aireon LLC (Aireon) hold their interests through the Amended and Restated Aireon Holdings LLC agreement (the LLC Agreement). Aireon Holdings LLC holds 100% of the membership interests in Aireon, which is the operating entity. In accordance with the terms of the LLC Agreement, a portion of the existing common equity interest of Iridium Communications Inc. (Iridium) in Aireon Holdings will be redeemed for a payment from Aireon Holdings of US\$120 million. Upon this redemption and the related conversion of all preferred interests into common equity interests, NAV CANADA will hold 42.2% of the fully diluted common equity interests of Aireon Holdings.

## BUSINESS OF THE COMPANY

### Introduction

NAV CANADA is the private sector, non-share capital company that operates Canada’s civil air navigation system (the ANS) throughout Canada. Our services are provided to aircraft owners and operators within Canadian-controlled airspace and include air traffic control (ATC), flight information, weather briefings, airport advisories, aeronautical information and navigation aids. We acquired the ANS from the Government of Canada in 1996 for a purchase price of \$1.5 billion.

Our core business is to manage and operate the ANS and related services in a safe, efficient and cost effective manner. Our mandate covers both Canadian airspace and airspace delegated to Canada under international agreements.

### Shared Purpose and Values

**Shared Purpose** - Keeping Canada’s skies safe: Shaping the future of air navigation services. The Company’s Shared Purpose is supported by four pillars:

- Safety is at the core – It is integral to everything we do and continues to mature as the industry evolves.
- Innovation is key – We are passionate about modernizing Canada’s air navigation system to deliver value to our customers.

- Expertise is the cornerstone – The skill, agility, leadership and collaboration of our people make the difference.
- Partnerships are essential – Our partnerships help the aviation industry improve efficiency and support an environmentally sustainable future.

**Values** - Respect, excellence, customer service and diversity and inclusion.

## **Safety Mandate**

NAV CANADA's first priority is the provision of safe air navigation services. This is clearly demonstrated through the Company's Purpose Statement to keep Canada's skies safe. Our safety objective is being amongst the safest air navigation service providers (ANSPs) worldwide and driving continuous improvement in the reduction of operational safety risks. Our primary goal is to reduce risk in the system to as low a level as reasonably practicable.

Holding safety at the core, NAV CANADA's efforts and resources are committed to assuring that customers are able to operate in the ANS with utmost confidence in the safety of the system. NAV CANADA was an early adopter of safety management systems (SMS) and continues to evolve its SMS to maintain and improve safety within the Canadian aviation ecosystem.

Transport Canada regulates the safety aspects of our business. In support of safe operations, NAV CANADA and Transport Canada have established a joint Safety Oversight Committee. This and other forums support open communication regarding safety risks relevant to both the Company and the regulator. We consider our relationship with Transport Canada as a partnership committed to improving the safety of the ANS.

Along with the oversight provided by Transport Canada, NAV CANADA's management of safety includes oversight at multiple levels within the Company as follows:

- the Safety Committee of our Board of Directors (the Board) which is a permanent standing committee responsible for overseeing the safety of air navigation services on behalf of the Board;
- corporate safety policies and standards which identify responsibilities and accountabilities for all managers and employees as well as the Safety Committee. All staff are required to review and sign-off on their responsibilities and accountabilities;
- our Safety and Quality department, which is an independent corporate safety office reporting directly to the President & Chief Executive Officer (CEO), that audits the Company's Operations and Technology departments and leads investigations into safety related incidents. It is responsible for safety and quality oversight activities throughout the Company and monitors the application of the SMS at NAV CANADA; and
- the Corrective Action Steering Committee (CASC) which provides executive management oversight in support of maintaining regulatory compliance with the Canadian Aviation Regulations (CARs), by reviewing Transport Canada findings, assigning resources for actioning, reviewing and approving corrective action plans (CAPs) and overseeing their implementation progress.

The Company promotes a strong safety culture through the development and communication of safety initiatives by providing a clear understanding of the top safety risks, the SMS and its key components and by promoting a broad sharing of information, with accountability for the Company's safety performance.

Many forums are used to share safety information including committees, working groups, newsletters, training, seminars and the NAV CANADA Safety Information System (NC-SIS).

## **Safety Management System**

NAV CANADA's SMS comprises the systemic and comprehensive policies, procedures and processes for managing safety risk to assure that safety management at NAV CANADA is proactive, robust, effective, efficient, and integrated across groups and functions thereby providing the foundation to achieve the safety objective.

In the fiscal year ended August 31, 2022 (fiscal 2022), NAV CANADA implemented a new SMS framework, policies and standards driving further advancements in this area. NAV CANADA's safety policies as well as standards set out the mandatory requirements and expectations for the SMS. The new framework integrates the best aspects from international standards on SMS while assuring compliance with associated CARs and includes the following four components: Safety Policy and Objectives, Safety Risk Management, Safety and Quality Assurance and Safety Promotion. Each component is supported by a number of elements.

Activities throughout the Company in support of the SMS include, but are not limited to, an annual corporate safety risk assessment to identify the top safety risks along with mitigations in place and action plans, corporate and project safety planning, incident and hazard reporting with a just culture, aeronautical studies, safety audits, safety investigations, safety reviews, safety culture surveys and hazard identification and risk assessments (HIRAs) to manage the risks associated with changes with the potential to impact operational safety. The SMS is routinely assessed to assure the ongoing effectiveness of its processes. A detailed review of NAV CANADA's SMS Assessment Program was undertaken in fiscal 2022 and the proposed changes to the program identified from the review will be implemented in the fiscal year ending August 31, 2023 (fiscal 2023).

Key to an effective SMS is the reporting, collection and analysis of safety data. The NC-SIS provides an open, accessible and transparent system for the reporting, sharing and analysis of safety data from our SMS processes across the Company. It provides a single, integrated source for safety data based on a common data model and taxonomy enabling advanced safety analytics.

In addition to the mandatory reporting of safety events, the Company uses a confidential internal safety reporting system called ARGUS+ to provide any employee with the opportunity to confidentially identify a safety concern in a non-punitive environment.

NAV CANADA's SMS includes an Integrated Quality Assurance (IQA) Program supported by a Quality Policy and Quality Manual. The IQA Program applies to all areas and functions covered under the Air Traffic Services (ATS) Operations Certificate issued to the Company by the Government of Canada, most of which can be found within but is not limited to, the Company's Operations and Technology departments. The IQA Program has been implemented in all of the Flight Information Regions (FIRs) of the Company as well as at the Company's Head Office. As part of our requirements under our SMS and in addition to the audits conducted under the IQA Program, a new Operational Standards Verification Program was implemented in fiscal 2022 to verify the application of ATS standards and procedures from a national perspective.

In March 2019, Transport Canada assessed that "NAV CANADA does not have a comprehensive and systematic approach to operational fatigue management as expressed in the SMS Policy and the Company is therefore non-compliant with Canadian Air Regulations." The Company's CAP for this assessment was accepted by Transport Canada in July 2019. As part of the CAP, 15 short-term and 11 long-term initiatives

were presented and approved by Transport Canada and all have been implemented. A fatigue risk management bio-mathematical modelling product (FAID Quantum) has been purchased and is being leveraged to assess proposed schedules and the implementation plan is on track. The Fatigue Management Program has been upgraded to a Fatigue Risk Management System model and is currently implemented.

The maturity of our SMS is also assessed against the Civil Air Navigation Services Organization (CANSO) SMS Standard of Excellence, and over the years has been rated amongst the highest of ANSPs worldwide. CANSO has recognized several of our practices as international best practices in safety management.

NAV CANADA has always recognized that managing safety risks must be done in close partnership with our industry partners. As such, there are many forums and strong working relationships for exchanging safety information and working together to address safety risks. These activities range from the Canadian Aviation Safety Officer Partnership (CASOP) and the Runway Safety Action Team (RSAT), to stakeholder outreaches and targeted safety activities such as safety reviews, corporate safety risk assessments and the development of tools such as the NAV Drone App.

Along with regular SMS activities, NAV CANADA's management has and will continue to focus on assuring that operational safety risks that have arisen due to the impacts of the COVID-19 pandemic are proactively managed. Safety risk management activities are being undertaken across the Company to assure that safety risks associated with these impacts are reduced to as low as reasonably practicable (ALARP). NAV CANADA has worked closely with industry stakeholders and Transport Canada in doing so. All of the necessary information is captured and tracked in the NC-SIS. NAV CANADA continues to monitor and update the implementation of the necessary risk controls to assure that as the recovery progresses, the Company safely returns to a normal operation.

## Our Services

All aircraft in Canadian-controlled airspace depend on the ANS for their safe and efficient movement. Our services include ATC, flight information, weather information and briefings, airport advisories, aeronautical communication and information, various navigation services and aids, and emergency assistance.

The *Civil Air Navigation Services Commercialization Act* (the ANS Act) governs many of the important aspects of our operations. Among other things, the ANS Act gives us a mandate that includes the right to provide civil air navigation services and the exclusive ability to set and collect customer service charges for civil air navigation services.

The ANS Act also appoints the Company as the Canadian authority responsible for providing ATC services and aeronautical information services for purposes of the *Chicago Convention*, which governs international civil aviation.

NAV CANADA provides air navigation services to aircraft in Canadian domestic airspace and in international oceanic airspace delegated to Canada by the International Civil Aviation Organization (ICAO). These services are delivered from various facilities located across the country, including, as of the date of this AIF:

- 7 area control centres (ACCs) located at Vancouver, Edmonton, Winnipeg, Toronto, Montreal, Moncton and Gander
- 42 control towers
- 54 flight service stations (FSS)



- 5 flight information centres (FIC)
- 30 maintenance centres
- 51 community aerodrome radio stations (mainly in northern Canada)
- 46 contract weather office stations
- 46 radar sites, 5 Automatic Dependent Surveillance-Broadcast (ADS-B) receiver sites, and 12 multilateration (MLAT) sensor sites (12 installations, each with 6 to 38 sensors)
- over 760 electronic aids to navigation

The ANS also includes a network of datalink and voice communication systems, flight/radar data processing systems and air traffic management systems, as well as navigation and surveillance facilities.

Our ANS customers fall into four categories:

- commercial airlines and commercial air cargo carriers;
- business aircraft;
- general aviation (which includes recreational aircraft); and
- state/military/medevac aircraft.

Air navigation services can be roughly divided into three categories.

### ***ATC Services***

ATC services ensure safe and appropriate spacing between aircraft while in controlled airspace and between aircraft and obstructions, not only during flight but on the ground as well. They also maintain an orderly and efficient flow of air traffic. ATC services include issuing clearances for taxiing, take-off and landing, various in-flight instructions to aircraft and applying separation standards between aircraft in flight, i.e. preventing them from coming too close to each other.

### ***Flight Information Services***

Flight information services include traffic advisories to pilots, airport status information, weather data required for pre-flight planning and the operation of flights, and aeronautical information such as the supply of maps, charts and manuals.

In order to provide ANS services, we are dependent on Environment Canada for aviation weather forecasting.

### ***Air Traffic Operations Services***

Specialists are responsible for receiving and reviewing data for ATC operations, including flight plans. These specialists also coordinate search and rescue for Instrument Flight Rules (IFR) aircraft.

## Customer Service Charges

### Regulatory Framework

The ANS Act contains charging principles that govern and direct how we set customer service charges. Our charges apply to all aircraft operators, except for a few limited exceptions set out in the ANS Act.

The charging principles are designed to enable NAV CANADA to generate sufficient revenues to meet its current and future financial requirements. They also ensure that the charges meet a number of conditions related to safety, transparency, non-discrimination, equity and international obligations.

In addition to these legislated principles, we engage in consultation with customers on a regular and open basis. Consultation, notices and announcements on new or revised charges are also required under the ANS Act. NAV CANADA may revise existing charges or introduce new customer service charges at any time as long as we follow the charging principles and the processes set out in the ANS Act.

### Rate Setting Policies for Customer Service Charges

Rates are set with the intention that revenues will be sufficient to meet operating and maintenance expenses, depreciation and amortization expenses, and interest expenses. The established rates must also allow us to meet the requirements of the rate covenants contained in our Master Trust Indenture dated October 28, 1996, as amended (MTI), and our General Obligation Indenture dated February 21, 2006, as amended (GOI and together with the MTI, the Indentures), to fund reserves and contingency margins and, if necessary, to replenish the reserve funds established under the MTI and meet the liquidity levels required under the GOI.

Our policy is to monitor the Company's financial condition on a continuous basis and to adjust customer service charges when required. See "Cost-Effectiveness" below.

### Service Categories for Customer Service Charges

Customer service charges are divided into four broad categories:

Charge	Description of Air Navigation Services Provided	Based on	Applies to
Enroute charge	To aircraft in flight in Canadian-controlled airspace (excluding oceanic) when not in the take-off or landing phase.	Per-flight charge based on maximum take-off weight of the aircraft and distance flown.	Flights landing and taking off in Canada and to flights overflying Canada.
Terminal charge	To aircraft during the take-off or landing phase of a flight. ATC Towers and certain landing aids are dedicated to providing terminal services. Certain other facilities (FSSs and ACCs) are used for both terminal and enroute types of air navigation services.	Per-flight charge based on maximum take-off weight of the aircraft.	Flights on departure from staffed Canadian airports.
Daily/Annual/Quarterly	A flat annual, daily or quarterly fee is charged, in lieu of terminal and enroute charges described above.	Flat charge per day, year or quarter.	Certain categories of small aircraft.

North Atlantic (NAT) charge and International Communication (Int'l COM)	NAT charges apply for navigation services provided to aircraft flying through the NAT airspace. The Int'l COM charge applies to international flights where communication services are provided within the NAT as well as portions of the Canadian north.	Flat charge per flight.	Oceanic airspace outside of Canada but for which Canada has ATC responsibility under international agreements and, as applicable, in parts of the Canadian North.
---	---	-------------------------	---

The table below shows the revenues we earned from each category of customer service charges over the last three fiscal years.

<b>Revenues by Service Category 2020 – 2022</b>			
	Year ended August 31 (\$ millions)		
	2022	2021	2020
Enroute	739	455	476
Terminal	562	284	364
Daily/Annual/Quarterly charges	53	22	53
NAT and Int'l COM	99	54	37
Total	1,453	815	930

## Human Resources

We employed 4,413 people as of August 31, 2022 comprised of management staff, technical and administrative support personnel, and staff from the Operations and Technology departments.

Operations and Technology staff are those directly involved in providing air navigation services. They include air traffic controllers, flight service specialists, operational support specialists, electronics technologists, engineers and pilots.

The majority of our workforce is unionized (approximately 86%). Our unions have bargaining certificates that divide up the workforce into eight unique bargaining units, typically along job class lines:

Unionized Workforce	Bargaining Unit	Number of Employees Represented by Bargaining Unit as of August 31, 2022
Air Traffic Controllers	CATCA (Canadian Air Traffic Control Association - Unifor Local 5454)	1,794
Electronics Technologists	IBEW (International Brotherhood of Electrical Workers), Local 2228	554
Flight Service Specialists	ATSAC (Air Traffic Specialists Association of Canada - Unifor Local 2245)	577
Professional Engineers and Information Technology Staff	PIPSC (The Professional Institute of the Public Service of Canada)	389

Administrative Staff	PSAC (Public Service Alliance of Canada)	214
Operational and Training Support Specialists	CANSA (Canadian Air Navigation Specialists Association - Unifor Local 1016)	228
Flight Inspection and Service Design Pilots	CFPA (Canadian Federal Pilots Association)	40
Financial Staff	ACFO (Association of Canadian Financial Officers)	19

### **Recruitment and Training**

The recruitment and training of skilled operational personnel, especially licensed air traffic controllers and certified flight service specialists, are significant areas of focus for NAV CANADA. Enhancements to our recruitment and selection processes are continuously made to ensure that we are attracting and selecting the best talent. Significant improvements are also being made to the training curriculum to ensure a logical learning path. At the onset of the pandemic training continued for several months and the ATS Learning department worked with Transport Canada to continue to license and certify people. Due to the duration of the pandemic a decision was taken by the Company to release many of the students, particularly those in the earlier phases of learning. A small group of students who were close to qualification continued to train. All training programs have been restarted to meet operational staffing requirements.

During the pandemic, a new workforce planning methodology was implemented for ATC operations to ensure the efficient definition and management of operations resources in changing traffic and workload environments. This new methodology enables more agile, efficient and effective long-term planning allowing us to better align our training program to meet our workforce requirements as they evolve. In fiscal 2022, there were 30 new air traffic controller licenses issued and 6 new flight service specialist qualifications.

The recruitment and retention of other specialties such as engineering, computer science and electronics technologists has also been a focus for management. The Company is in the process of growing its overall workforce to assist with the achievement of its strategic initiatives and to manage increasing air traffic levels.

### **Environmental Matters**

The Company is committed to providing air navigation services on a sustainable basis, to conducting all of its activities in accordance with applicable environmental laws and regulations, and to achieving levels of environmental protection and environmental performance beyond those required by law whenever reasonably achievable, including:

- identifying and, where feasible, introducing programs with measurable benefits which contribute to the reduction of the environmental footprint of the aviation industry;
- pre-screening the potential environmental impacts of projects and activities and preventing or mitigating adverse effects;
- reducing the environmental risk related to the management of the ANS and related facilities;
- maintaining, monitoring and continually improving environmental performance and environmental awareness through the implementation of our Environmental Management System;
- educating and training Company employees in environmental risk management; and

- communicating our environmental procedures and requirements to suppliers and contractors.

Recognizing that changes to airspace and airport operations can impact communities in different ways and with the aim of balancing safety, efficiency, noise and aircraft environmental emissions, the Company and the Canadian Airports Council have implemented measures to ensure effective public engagement on changes to flight paths. The *Airspace Change Communications and Consultation Protocol* provides the framework for improved dialogue and better consideration of community noise issues in the flight path design process along with safety, efficiency and environmental considerations. The protocol outlines the roles of various organizations in the aircraft noise issue, what type of airspace changes will be subject to consultation, and how that consultation will be undertaken. The protocol applies to proposed changes at airports with more than 60,000 IFR movements annually.

As a signatory to Canada's *Action Plan to Reduce Greenhouse Gas Emissions from Aviation (2012-2022)*, NAV CANADA worked together with the Government of Canada and the aviation industry to address the sector's greenhouse gas emissions (GHG) for well over a decade. NAV CANADA is also a signatory to Canada's updated *Aviation Climate Action Plan (2022-2030)* which sets an ambitious net-zero by 2050 vision for the sector, an aspirational target for the use of sustainable aviation fuel by 2030, along with key actions the Government and the aviation sector will take to achieve this vision. While the Company is a small user of aviation fuel, some of our decisions in operating the ANS can impact our customers' environmental performance. The Company works hand in hand with industry partners to enable and prioritize innovative technologies and procedures that can reduce Canada's GHG emissions from aviation. The introduction of such technologies and procedures also lead to safer and more predictable services, better information sharing and improved airspace management. Implementing initiatives like Performance Based Navigation (PBN) and space-based ADS-B is having a positive impact on improved flight profiles and reduced fuel burn.

The Company continues to introduce Required Navigation Performance (RNP) authorization required (AR) approaches across the country to expand the availability of the associated benefits. Moving away from conventional airport approaches results in fewer miles, less fuel and lowered emissions for our customers. Despite the significantly reduced air traffic due to the COVID-19 global pandemic, in the fiscal year ended August 31, 2021 (fiscal 2021) RNP AR approaches were used more than 27 thousand times which saved more than 158 thousand track miles. This represents a significant savings in fuel for our customers and a significant reduction in GHG emissions to improve our environmental impact. NAV CANADA estimates that RNP AR deployment will reduce GHG emissions by approximately 178 million kilograms in the first 10 years after implementation.

NAV CANADA, Iridium and the ANSPs from Ireland (IAA), Italy (ENAV), Denmark (Naviair) and the United Kingdom (NATS) are partners in the Aireon joint venture whose mandate is to provide global satellite-based surveillance capability for ANSPs around the world through ADS-B receivers built as an additional payload on the Iridium NEXT satellite constellation. NAV CANADA in conjunction with NATS were the first in the world to use space-based ADS-B surveillance in 2019 over the North Atlantic, the world's busiest oceanic airspace. NAV CANADA was also the first ANSP worldwide to implement space-based ADS-B in its domestic airspace. Aircraft operators are now benefiting from safety and efficiency enhancements provided by space-based ADS-B surveillance coverage, such as improved service delivery and more efficient flight levels.

As Aireon services are offered worldwide, surveillance of other global airspaces (non-Canadian) have also been enabled, extending Canada's commitment to make aviation more environmentally efficient and safer beyond our own borders.

See "General Development of the Business - Customer and Operational Efficiency" for further information on RNP AR approaches and space-based ADS-B, including safety and efficiency benefits afforded by each

of these initiatives.

Work is currently underway to develop NAV CANADA's Environmental, Social and Governance (ESG) strategy. Coinciding with Earth Day 2022, NAV CANADA announced its commitment to joining the United Nations (UN) Global Compact, the world's largest corporate sustainability initiative. NAV CANADA's commitment to the UN Global Compact is a milestone in the development of its ESG strategy. This initiative will guide how NAV CANADA measures and communicates progress, while shaping and leveraging best practices that will reduce environmental impacts and ensure social responsibility and strong governance.

The latest and historical corporate social responsibility highlights for the Company are available on the Corporate Social Responsibility page of the Company's website at [www.navcanada.ca](http://www.navcanada.ca).

## **Insurance**

NAV CANADA's fundamental focus on safety is our strength and our most important tool to help reduce risk. In addition to risk reduction strategies, to mitigate the impact of catastrophic events we maintain an insurance program that gives due regard to the risks inherent in aviation.

Our aviation liability insurance program was last renewed on November 15, 2021 for one year and we intend to renew it on November 15, 2022. This insurance provides broad coverage for our ANS liabilities to third parties. The Company also carries other lines of insurance at levels deemed appropriate by management for the nature of our business. The cost of this insurance is not material to the Company.

We are contractually obligated to indemnify the Government of Canada for any loss suffered by or claimed against it which is covered by our aviation operations liability insurance.

## **GENERAL DEVELOPMENT OF THE BUSINESS**

The key performance drivers by which we assess the development of our business are:

- safety;
- service; and
- cost-effectiveness.

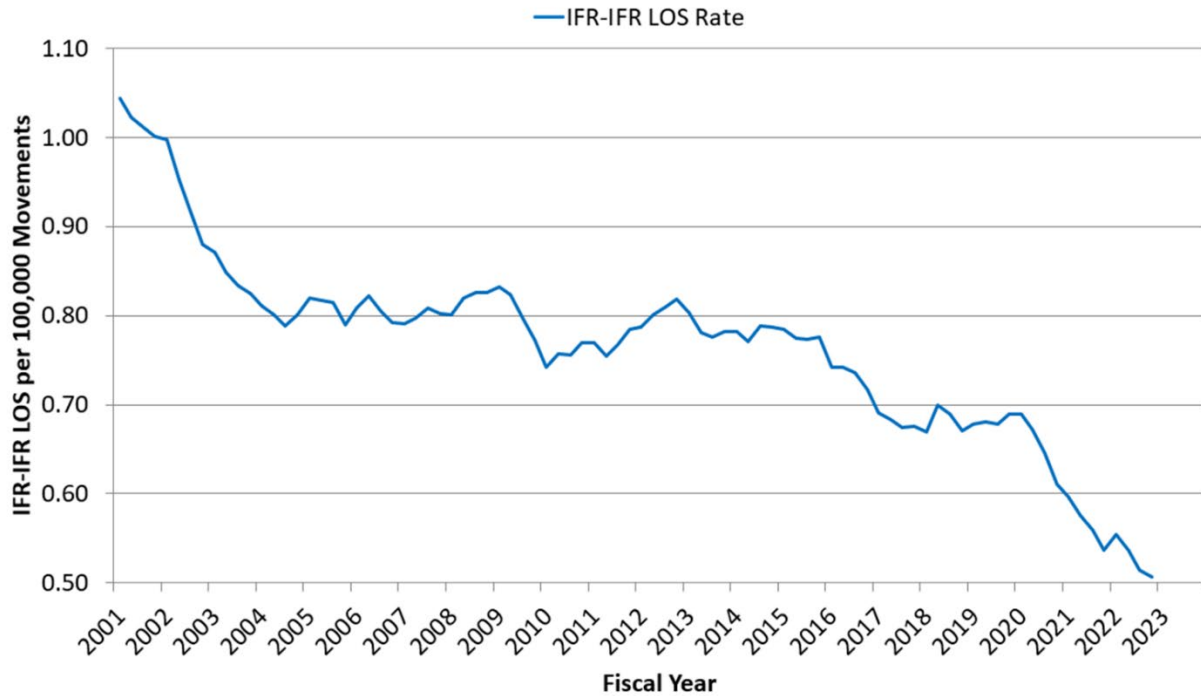
## **Safety**

Finding better and more efficient ways of safely servicing air navigation continues to be a corporate focus.

One measurement of safety performance is the number, type and risk level of potentially unsafe conditions—called “operating irregularities”. An ATC operating irregularity occurs when less than the minimum required separation existed between two aircraft or when safety was jeopardized in some other way. NAV CANADA tracks and provides reports on operating irregularities to Transport Canada and the Transportation Safety Board on a daily basis. Every operating irregularity, no matter how minor, is recorded, reported and investigated so that the Company can learn and improve.

The Company has reduced the five-year average rate of incidents involving a physical loss of separation between aircraft operating under IFR flight plans from 1.0 per 100,000 aircraft movements as of September 2002 to 0.51 per 100,000 aircraft movements as of August 31, 2022. This is well below the Company's benchmark rate of 1.0 losses per 100,000 aircraft movements and supports the Company's achievement of its overarching safety objective.

**Rate of IFR-IFR Losses of Separation per 100,000 Movements  
5-Year Moving Average**



Note: The data in the above chart reflects losses of separation between two aircraft operating under instrument flight rules. The tick marks on the x-axis of the chart represent the first quarter of the noted fiscal years. Each complete fiscal year contains four data points, one for each quarter.

Further extending the benefits of space-based ADS-B surveillance into our domestic airspace has enhanced safety and efficiency while ensuring our long-term alignment with the global aviation system. The Canada-wide expansion of space-based ADS-B is bringing new areas into surveillance coverage and, where surveillance already exists, providing improvements over the capabilities of other technology. This delivers safety enhancements for customers, including increased ATC situational awareness through improved accuracy of aircraft position and trajectory, the ability to view unexpected aircraft deviations sooner and improved emergency response for tracking and locating aircraft in distress resulting in reduced search and rescue times. See “General Development of the Business - Customer and Operational Efficiency” for further information on efficiency benefits afforded by space-based ADS-B.

**Customer and Operational Efficiency**

One of NAV CANADA’s major priorities is continuous improvement in the delivery of ATS, leading to increased operational efficiency for our customers. The ANS is a dynamic and complex system that must adapt to changing air traffic levels and patterns, customer and system requirements, and global technologies in and around Canadian-controlled airspace. It is vital to ensure that our people, procedures, equipment and the systems that are involved in delivering services anticipate and respond to customer needs as they evolve, especially during the recovery phase of the COVID-19 pandemic.

NAV CANADA is the first ANSP in the world to implement space-based ADS-B in its domestic airspace. Space-based ADS-B is already being used and delivering benefits to suitably equipped aircraft in

high level airspace above 29,000 feet, also known as flight level 290 (FL290), in Canada. Beginning in December 2021, NAV CANADA commenced an incremental provision of ATS surveillance services using space-based ADS-B below FL290 in Canadian domestic airspace. At this time, ADS-B surveillance has been deployed where possible in all of our FIRs below FL290 in preparation for the planned implementation of the ADS-B out performance mandates for each of Class A and Class B Canadian airspace above 12,500 feet (ADS-B Mandate) coming into effect in calendar years 2023 and 2024, respectively. The primary purpose of the deployment was to confirm our own technical system preparedness. Rather than have customers discover non-compliance when they thought they were properly equipped, this period has allowed us and our customers to remedy any specific technical issues prior to the ADS-B Mandate going into effect. As the expansion of ADS-B surveillance evolves and as equipage and performance continues to be monitored, a filter adjustment was made possible on September 26, 2022 in every FIR. The surveillance information node (SIN) gateway filter was adapted by the Company to allow the display of aircraft from flight level 180 to FL290 when an aircraft has an operational traffic alert and collision avoidance system (TCAS) or antenna diversity. Previously both of these were required for aircraft. This change resulted in an increased number of space-based ADS-B equipped aircraft being displayed for ATS surveillance.

In addition to the safety benefits afforded by the Canada-wide expansion of space-based ADS-B that are highlighted in the section entitled “General Development of the Business - Safety”, this expansion of space-based ADS-B coverage also delivers efficiency enhancements for customers, including the ability to provide customers more preferred routes, speeds and flight levels and reduced GHG emissions.

Overall, space-based ADS-B delivers benefits in safety, airspace flexibility, predictability and reliability, flight tracking, flight efficiency, fuel savings and avoided GHG emissions.

Other improvements continue to be made, including:

- Continued collaboration with our customers and other ANSPs on international initiatives, and the implementation of reduced aircraft separation minima in oceanic airspace.
- The development of Remote Piloted Aircraft Systems (RPAS) traffic management strategies within Canadian domestic airspace.
- Regularly updating the Canadian Notice to Airmen (NOTAM) Operating Procedures for clarification and for improvements since the implementation of the ICAO NOTAM format in October 2019. The updates focus on explanations and examples to better support decision making by the originators and personnel receiving NOTAM requests. Several updates have been made to further align with international standards while keeping it simple enough for adherence to the various applicable rules. More focus has also been placed on supporting NOTAM entry by our Flight Information and NOTAM specialists. Data sheets, calculation tools and streamlining of the NOTAM Entry Interface have been developed. This is an interim solution until the NOTAM Entry System offers more templates to create NOTAMs. The Company introduced three NOTAM request forms, namely, obstacle lighting, navigation warnings (airspace) and airport/air traffic services facilities, to support consistent information and prompt action on NOTAM revisions and/or cancellations.
- The modernization of airspace focusing on the Vancouver Airspace Modernization Project (VAMP). The overarching goals of the VAMP, which commenced in April 2019, are twofold. The first goal is to design and implement airspace and procedural concepts that address key safety focus areas identified surrounding the Vancouver International Airport, the Nanaimo Airport, the Abbotsford Airport and in the vicinity of Active Pass over the water in the Georgia Strait. Secondly, the project aims to completely modernize the airspace with a full PBN environment, RNP



AR approaches and other more environmentally improved procedures, with the goal of building a more efficient, environmentally responsible, and predictable airspace that will serve as a building block for the transition to trajectory-based operations in the future. Through the combined efforts between internal and external stakeholders, mitigations for the key safety focus areas and comprehensive airspace modernization changes have been identified and are being incrementally implemented, with the first changes currently scheduled for implementation in fiscal 2023.

- The publication of new RNP AR procedures at Whitehorse and Fort McMurray, bringing the number of Canadian airports with RNP AR procedures to 32. New RNP AR procedures are planned to be published at the Penticton Airport in the Fall of 2022. This will be the last site on the initial RNP AR Deployment Program list the National Airlines Council of Canada (NACC) provided NAV CANADA. The NACC has since provided NAV CANADA a subsequent list of airports for the Company to deploy RNP AR procedures at, however, the Company needs to conduct business case assessments related to a number of these airports before being able to proceed with deployment.
- The development of RNP AR and Established on RNP AR (EoR) procedures for the Toronto Pearson Airport continued with a planned phased implementation starting in November 2022. RNP AR instrument approach procedures development, ATC training assessments and HIRAs were conducted over the last 12 months in close collaboration with the NACC and the Greater Toronto Airport Authority. The proposed procedures were also subject to public consultation under NAV CANADA's Airspace Change Communications and Consultation Protocol. The consultation process, which included a total of eight public engagement sessions, elected official engagement and significant promotion through print and digital media, was conducted from November 1 to December 22, 2021. As a result of the consultation, minor adjustments were made to the original designs.

EoR is an ATC separation standard developed through ICAO which enables safe, simultaneous RNP AR equipped arrivals on parallel runways. Typically, aircraft landing simultaneously on parallel runways must be separated by 1,000 feet vertically or by three nautical miles laterally until they are lined up with the runway and "established on final approach." Due to the tight track containment of RNP AR instrument approach procedures, which use satellite navigation systems to fly very precise tracks, aircraft flying the procedures are considered "established on final approach" when they commence the RNP AR approach.

## **Cost-Effectiveness**

As a safety and service organization, it is critical that we manage our costs to ensure spending is prioritized towards our key goals.

Our business operates 24 hours a day, 365 days a year providing an essential, national and international safety infrastructure. Given that the majority of our costs are predominantly fixed in nature and are directly related to service delivery, we have relatively few opportunities to significantly reduce costs further without reducing service, which is not acceptable in most cases. We continue to focus on cost management and productivity improvements. These efforts are assisting in keeping customer service charges as low as possible, while continuing to meet our safety and service obligations.

Including the Company's revised customer service charges that were increased by an average of 29.5% on base rate levels as of September 1, 2020 (the Revised Charges), service charges are on average 30.5% higher than when they were fully implemented in 1999. As a result of cost controls and increases in air traffic levels over that period, the change in customer service charges, even with the Revised Charges, is below the change in the Consumer Price Index by approximately 36.3 percentage points.

## Recent Developments

### **COVID-19 Pandemic**

The COVID-19 pandemic and the resulting economic contraction continues to have a negative impact on global air traffic and on the aviation industry. The COVID-19 pandemic began impacting air traffic levels in mid-fiscal year ended August 31, 2020 and since then, air traffic levels, as measured in weighted charging units (WCUs) (a measure of the number of billable flights, aircraft size and distance flown in Canadian airspace and the basis for movement-based service charges), have continued to trend below levels seen in the fiscal year ended August 31, 2019 (fiscal 2019).

Air traffic levels, as measured in WCUs, in fiscal 2022 continue to reflect the impact of the COVID-19 pandemic, however, they are showing positive signs of recovery. While air traffic levels increased in comparison to fiscal 2021 by 76.8%, they remained lower (21.5%) than pre-pandemic levels experienced in fiscal 2019.

As compared to fiscal 2019, customer service charges revenue was 5.0% higher, reflecting the increase in customer service charges of 29.5% as of September 1, 2020 which was largely offset by lower air traffic levels.

It is expected that the COVID-19 pandemic and resulting economic contraction will continue to have a negative impact on global air traffic and the aviation industry in the near-term and the post-pandemic economic recovery may be gradual and uneven. While the full duration and scope of the COVID-19 pandemic cannot be known at this time, in the long-term the Company believes that full recovery will be achieved, and the pandemic will not have a material impact on the long-term financial sustainability of NAV CANADA.

The Company continues to review, monitor and manage spending, while at the same time ensuring the continued fulfillment of the Company's mandate to safely operate and maintain the ANS as an essential service and to protect the safety and well-being of its employees, while positioning itself to support a post-pandemic recovery in air travel.

## CAPITAL STRUCTURE

As a corporation without share capital, NAV CANADA finances its operations with borrowed money. The Company developed a financing plan called the Capital Markets Platform in October 1996. All borrowings were incurred and secured under the MTI, which initially provided a total drawn and undrawn borrowing capacity of \$3 billion. The MTI provides for a gradually escalating reduction of the initial capacity over 33 years.

In February 2006, we entered into another trust indenture, the GOI, with BNY Trust Company of Canada as trustee, which established an unsecured borrowing program for our future long-term financing requirements. For so long as any indebtedness remains outstanding under the MTI, the general obligation notes issued pursuant to the GOI will be subordinate to such indebtedness. As subordinated debt, general obligation notes are not subject to the mandatory annual amortization provisions of the MTI. Under the terms of the GOI, no new indebtedness may be incurred under the MTI. Provided that we meet an additional indebtedness test, the Company is not limited in the amount of debt it can issue under the GOI. As bonds mature or are redeemed under the MTI, they may be replaced with general obligation notes.

Effective December 18, 2020, the Company received the requisite amount of valid consents and proxies to temporarily relieve the Company from complying with the rate covenants and certain provisions under the

additional indebtedness covenants under each of the MTI governing the Company's outstanding bonds and the GOI governing the Company's outstanding notes. The relief was obtained in light of the significant decline in air traffic levels and economic contraction resulting from the COVID-19 pandemic and apply to fiscal 2021, fiscal 2022 and fiscal 2023.

The following tables set forth the outstanding total borrowings and undrawn committed borrowing capacity of the Company as of August 31, 2022.

Total Borrowings		
Issued Under	Amount	Type
MTI	\$375 million	Bonds
GOI	\$2,125 million	Medium Term Notes
Bank Credit Facilities	\$684 million <sup>(1)</sup>	Letters of Credit

Undrawn Committed Borrowing Capacity		
<b>Total Available</b>	\$975 million <sup>(2)</sup>	
<b>Expiring (unless extended)</b>	December 2022	\$43 million <sup>(1)</sup>
	December 2023	\$83 million <sup>(1)</sup>
	March 2025	\$425 million <sup>(3)</sup>
	March 2027	\$425 million <sup>(3)</sup>

<sup>(1)</sup> Bi-lateral letter of credit facilities for pension funding purposes.

<sup>(2)</sup> \$126 million of this amount consists of letter of credit availability and the remaining \$849 million represents undrawn credit facilities. \$303 million of the undrawn credit facilities amount has been allocated to meet the Company's operations and maintenance reserve fund requirement under the MTI.

<sup>(3)</sup> Credit facility with a syndicate of Canadian financial institutions.

Refer to Note 21 of our annual audited consolidated financial statements for fiscal 2022, for further discussion of our management of the Company's capital structure.

## CREDIT RATINGS

The Company's debt obligations have been assigned the following ratings and outlooks:

Agency	Senior Debt	General Obligation	Outlook
Moody's Investors Service (Moody's)	Aa2	Aa2	Stable
Standard & Poor's (S&P)	AA-	A+	Stable

On December 6, 2021, S&P revised its outlook on the Company to stable from negative, reflecting S&P's view that the Company's key financial metrics will materially improve in the next two years as air traffic activity recovers towards pre-pandemic levels.

## **Explanatory Note on our Credit Ratings**

Moody's defines obligations rated "Aa" to be of high quality and subject to very low credit risk. The Aa category is the second highest assigned by Moody's. The modifier 2 indicates that the Company's ratings are in the mid-range of the Aa category.

S&P defines an obligor rated "AA" as having a very strong capacity to meet its financial commitments while "A" is defined as having strong capacity to meet financial commitments, but is somewhat susceptible to economic conditions and changes in circumstances. The AA category is the second highest assigned by S&P and it differs from the highest rating category only to a small degree. The "+" or "-" modifier indicates that the rating is in the upper or lower end of the category, respectively. The AA rating without a modifier indicates the rating is in the middle of the AA category.

*A credit rating of a security is not a recommendation to buy, sell or hold securities and may be subject to revision or withdrawal at any time by the rating organization.*

The Company has made payments to Moody's and S&P in connection with the assignment of ratings on each of NAV CANADA, its senior debt and general obligation debt during the last two fiscal years.

## **RISK FACTORS**

The Company has a formal enterprise risk management (ERM) program, which allows the Board and senior management to focus on and address the key risks facing the Company. Set out below are risks identified as potentially affecting our ability to achieve the Company's strategic objectives or that could otherwise have a material and adverse impact on the Company, its reputation, business, results from operations and/or financial condition. These risks are not the only risks faced by the Company. Other risks of which the Company is not aware or which the Company currently deems not to be material may surface and have a material and adverse impact on the Company, its reputation, business, results from operations and/or financial condition.

### **Safety**

The risk of a major aircraft accident with its attendant consequences, including potential significant financial losses and a significant negative impact on the Company's reputation, is the most significant inherent risk facing the Company. While the consequences of this risk are significant, NAV CANADA has established an SMS to mitigate the likelihood of the risk occurring. The SMS is designed to:

- assign safety responsibilities and accountabilities to the appropriate groups;
- assure that personnel are trained for their safety responsibilities;
- promote the identification and mitigation of hazards and risks to operational safety;
- assure the consistent and rigorous application of safety programs; and
- measure the success of these programs.

The SMS is routinely assessed to assure the ongoing effectiveness of its processes. In addition, we work in close partnership with aviation industry members in order to form strong working relationships for exchanging safety information and work together to address safety risks.

As previously noted in "Business of the Company - Safety Management System" above, the Company has implemented an IQA Program. This program is the foundation of a robust, repeatable, measurable and adaptable process network that ensures the integrity of our SMS. It has been developed in such a manner that processes can be reviewed and checked for correct functioning. Any discrepancies will be addressed by

corrective action and follow-up action procedures. The IQA Program is audited by Internal Audit.

In addition to risk reduction strategies, the Company maintains a comprehensive insurance program to mitigate the impact of catastrophic aviation events. These insurance policies are generally contracted on an annual basis. If aviation insurance was not commercially available this would pose a risk to our operations. If any required insurance coverage was cancelled or not renewed, we would be unable to operate until replacement coverage was obtained, either in the market or from the Government of Canada. Such an interruption of service would also have an adverse effect on our revenues.

## **Infectious Diseases**

Outbreaks or the threat of outbreaks of viruses or other contagions or infectious diseases, including an epidemic, a pandemic such as COVID-19, influenza, SARS, Ebola, Zika, as well as any travel or other advisories relating to same, whether domestic or international, could have a material adverse effect on demand for air travel which in turn could have a material adverse effect on the Company, its business, results from operations and financial condition. For further information on the impact that the COVID-19 pandemic has had on the Company's operations and financial results, see "General Development of the Business – Recent Developments – COVID-19 Pandemic."

## **Air Traffic**

We set our customer service charges based on estimates of future air traffic levels. We prepare these estimates on the basis of economic indicators, trends and information gathered from various sources such as Transport Canada, air carriers, other industry sources and our own experience.

Future air traffic levels may be influenced by numerous factors, including the speed of recovery of air traffic following the COVID-19 pandemic, new COVID-19 variants, other epidemics or pandemics, rate of economic growth or decline, changing air passenger demand or willingness to fly, aircraft capacity utilization levels, fuel costs, changes in air carrier operations and behaviours, general aviation industry conditions, air carrier competition, airline restructurings and insolvencies, terrorist activities, geopolitical uncertainty and in particular increased volatility relating to the conflict in Ukraine, government interventions, travel restrictions and closings of borders to air travel, climate change and environmental factors (including weather systems and other natural phenomena and factors arising from man-made sources) and demographic patterns.

If actual air traffic levels are lower than the estimates we used when preparing our budget and when establishing the level of customer service charges, our revenues will be negatively affected. Any revenue shortfalls, to the extent not absorbed by the Rate Stabilization Account will be offset by feasible cost reductions or deferrals and a rate increase, if necessary. For more information on the Rate Stabilization Account refer to the Company's *Management's Discussion and Analysis* (MD&A) for fiscal 2022, dated October 20, 2022.

## **User Pay Model**

The Company operates on a cost recovery basis and because of its mandated function has a largely fixed expense base. However, the Company is exposed to a potentially variable user driven customer service charge revenue stream. The COVID-19 pandemic challenged this pay-for-service model as the Company's ability to maintain sufficient liquidity during a sustained economic downturn is stretched. If the current economic environment brought about by the COVID-19 pandemic continues for a significantly extended period of time, or if there is a further sustained shock to the economy generally or aviation in particular, raising customer service charges to cover the Company's costs, with low traffic levels, could become

problematic. The Company's financial viability could be at risk under such a scenario. For further information on the impact that the COVID-19 pandemic has had on the Company's operations and financial results, see "General Development of the Business – Recent Developments – COVID-19 Pandemic."

## **Capital Debt**

The level of future required investment to maintain the performance of the Company's Operational Infrastructure (as defined below) (capital debt) has been impacted by the deferral of capital spending as a result of the pandemic. Numerous components of our Operational Infrastructure across the country are now at or past their designed life cycle. Due to reduced staffing levels and supply chain constraints, the rate at which new Operational Infrastructure can be installed may further delay the Company in addressing its capital debt. Service disruptions and/or the delay of the implementation of its strategic priorities on account of not being able to satisfactorily address its capital debt could interrupt the Company's operations, harm its reputation and have an adverse effect on its business.

## **Pension Plan**

We have a defined benefit pension plan for our employees. This plan provides benefits based on age, length of service and best average earnings, most of which are indexed for inflation. The cost of providing these pension benefits is a major part of our cost of operations.

The amount of the Company's pension costs and required contributions to the pension plan depend on the investment return on plan assets, as well as the discount rates and other economic and demographic assumptions used to determine plan obligations. It is difficult to predict future changes in these factors. A small variance in any of these factors could have a large impact on pension plan costs, the plan's surplus or deficit, and required contribution levels.

In setting customer service charges, we factor in estimates of future changes in pension contributions. If actual pension contributions turn out to be higher than our estimates, we may have to increase customer service charges and borrowings or both, to meet our financial requirements.

## **Collective Agreements and Labour Matters**

With approximately 86% of our workforce being unionized, there is an inherent risk that labour settlements will increase our costs to a level higher than anticipated. Labour disruptions such as strikes and work slowdowns may also adversely affect customer service and revenues.

As at the end of fiscal 2022, six of eight collective agreements, covering approximately 93% of our represented employees are in place, with expiry dates ranging from 2023 to 2026. One collective agreement received an interest arbitration ruling on wages in August 2022 and the final memorandum of settlement is pending. The parties are in bargaining with the eighth bargaining unit. Four of the collective agreements currently in place, covering approximately 71% of our represented employees as of the end of fiscal 2022, are set to expire in calendar year 2023.

## **Business and Operational Technology Security**

The inherent cyber security risks related to both the Company's business and operational networks and systems remain high. With the ever-changing threat landscape and increased sophistication of techniques used by cyber criminals and state-run operatives, the likelihood of a security breach continues to be a reality for most large enterprises.

The Audit & Finance Committee and Safety Committee of our Board are responsible for the oversight of

our cyber security strategies and implementation as they relate to the Company's business systems and operational systems, respectively.

This past year, the Company continued to sustain technology countermeasures, third party services and employee awareness programs, which included testing employees through phishing simulations, our annual mandatory cyber security computer based training and numerous cyber security related awareness campaigns.

Fiscal 2022 cyber security investments were mainly focused on third party vulnerability and penetration testing, cyber security program maturity improvements, additional staffing and augmenting our operational technology security capabilities.

The Company's Enterprise Cyber Security Governance Board continues to provide internal oversight on matters related to cyber security for the Company. The meeting cadence for the year was maintained and effective oversight was provided on various matters, including investment priorities, risk management and incident response.

Cyber security maturity assessments are conducted every two years. In fiscal 2021 it was deemed appropriate by Management to conduct a self-assessment which followed the same methodology from previous assessments conducted by third parties over the last ten years. The assessment was completed by Internal Audit in conjunction with the Enterprise Cyber Security group and a final report and action plan was prepared in September 2021. Management reviewed these with each of the Audit & Finance Committee and Safety Committee at their respective meetings in October 2021. Action plans related to identified areas for improvement were developed and high priority improvements were actioned through fiscal 2022 and continue to be actioned into fiscal 2023 as per the remediation plan. Quarterly progress reporting is provided to each of the Audit & Finance Committee and Safety Committee on maturity plan progress. In continued partnership with Internal Audit, Management intends to have a third party maturity assessment conducted in fiscal 2023.

In September 2020, the Company created a new Technology department bringing together the operational systems formerly under the Engineering department and the business systems formerly under the Information Management department under the leadership of the Vice President, Chief Technology & Information Officer. This reorganization allowed the Company to consolidate all cyber resources into a single team led by the Chief Information Security Officer, who reports to the Vice President, Chief Technology & Information Officer. This consolidation continues to allow the Company to improve cyber security program efficiencies and drive commonality in goals, process, procedures and frameworks ultimately resulting in a single, unified approach to cyber security. This adjustment has again proven successful throughout fiscal 2022 in driving commonality across all functions and providing an enterprise level, consolidated view of cyber security threat, risk and incident response.

Despite our efforts, a significant data security breach or service disruption could result in liability or regulatory penalties under laws protecting the privacy of personal information, interrupt our operations, harm our reputation and have an adverse effect on our business.

## **Business Interruption**

The Company relies heavily on its business and operational networks and systems together with its operational facilities (collectively, the Operational Infrastructure) to operate its business. Any disruption in all or part of the Operational Infrastructure due to internal failures of technology or external interruptions, such as telecommunication provider failure, severe weather conditions, natural disasters and terrorist attacks, could interrupt our operations and have an adverse effect on our business.

## Insufficient Staffing

The Company's ability to manage and operate the ANS and related services in a safe, efficient and cost-effective manner depends largely upon the availability of licensed and experienced air traffic controllers and certified flight service specialists. The success of the Company's core business therefore depends in large measure on its ability to recruit, train and retain skilled operational personnel, especially air traffic controllers and flight service specialists, but also including other specialists such as engineering, computer science and electronics technologists.

Failure to recruit, train and retain the appropriate level of such skilled operational personnel could result in a frequent or prolonged reduction of the Company's services. The Company's operations could also be adversely impacted if its employees are unable or restricted in their ability to work, including by reasons of being quarantined or becoming ill, or if they are subject to government or other restrictions.

Sustained reduction of services could have an adverse effect on the Company's business and reputation and on the aviation industry.

Management has mitigation strategies in place for all ERM risks.

## CORPORATE GOVERNANCE

### Board of Directors Structure and Composition

The Company's overall approach to corporate governance follows best practices and keeps pace with evolving requirements, including those under applicable securities legislation.

The Board is comprised of 15 directors, at least two-thirds of whom, including the President & CEO, are required to be Canadian citizens. One director (the President & CEO) is an employee of the Company. All other directors are "independent" directors as that term is defined in National Instrument 52-110 *Audit Committees* (NI 52-110).

NAV CANADA represents a unique consensus among the major stakeholders in the ANS - the Government of Canada, the commercial air carriers, general aviation, and our unionized employees. Our governance structure reflects this consensus. All four of these major stakeholders are members of the Company together with a Director member (collectively, the Members).

The result is a board of directors where all stakeholder interests are represented but none dominates. The Board's committees are similarly constituted except for the Human Resources & Compensation Committee. The five Members elect the directors as follows:

Member	Number of Directors
Government of Canada	3
Commercial Air Carriers	4
General Aviation	1
Labour Unions	2
Directors	4

The Board discharges its responsibilities directly and through committees. The Board holds five scheduled meetings each year and unscheduled meetings are held from time to time as required. The mandate of the Board is set out in **Appendix A**.

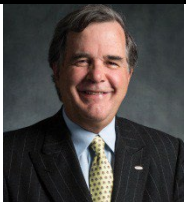






Our By-laws disqualify from directorship any person elected to the Parliament of Canada or any provincial legislature or territorial legislative assembly; federal, provincial or territorial government employees; and directors or employees of an entity that has a material interest as a supplier, client or customer of the ANS.



Every director and officer of the Company is required to sign and abide by our *Code of Conduct and Conflict of Interest Guidelines for Directors and Officers* (Code of Conduct).




## Directors




Directors are elected for terms not exceeding three years, with terms expiring at the Company's annual meeting. No director, other than the President & CEO, may serve as a director for more than twelve years in total. Set out below is information on the current directors, including their Committee membership and meeting attendance records for fiscal 2022.



Marc Courtois		
Director; Chair of the Board Québec, Canada Elected by: Board of Directors Director since: February 16, 2012 Current Term Expires: 2024		
Meeting Attendance/Committee Membership		Principal Occupation Held in Last Five Years
Board 6/6 Audit & Finance Committee* 5/5 Corporate Governance Committee 3/3 Transformation Committee* 4/4 Human Resources & Compensation Committee* 8/8 Pension Committee* 4/4 Safety Committee 4/4 *ex officio member.	Corporate Director.	
Edward M. Barrett		
Director; Chair of the Transformation Committee New Brunswick, Canada Elected by: Board of Directors Director since: February 7, 2013 Current Term Expires: 2025		
Meeting Attendance/Committee Membership		Principal Occupation Held in Last Five Years
Board 6/6 Audit & Finance Committee 5/5 Corporate Governance Committee 3/3 Transformation Committee 4/4 Human Resources & Compensation Committee 8/8	Co-CEO and Chair of Barrett Corporation.	

<b>Mary-Ann Bell</b>		
Director; Chair of the Safety Committee Québec, Canada Elected by: Government of Canada Director since: May 30, 2014 Current Term Expires: 2023		
<b>Meeting Attendance/Committee Membership</b>		<b>Principal Occupation Held in Last Five Years</b>
Board Transformation Committee Human Resources & Compensation Committee Safety Committee	6/6 3/4 8/8 4/4	Corporate Director.
<b>Raymond G. Bohn</b>		
Director Ontario, Canada Director since: February 1, 2021 Current Term Expires: N/A		
<b>Meeting Attendance/Committee Membership</b>		<b>Principal Occupation Held in Last Five Years</b>
Board Pension Committee Safety Committee	6/6 4/4 3/4	President & CEO of the Company from February 1, 2021. From September 1, 2020 to January 31, 2021, Mr. Bohn was Vice President & Chief Human Resources Officer. Mr. Bohn was Executive Vice President, Human Resources, Communications & Public Affairs from September 1, 2017 to August 31, 2020,
<b>Paul Brotto</b>		
Director; Chair of Pension Committee Ontario, Canada Elected by: Commercial Air Carriers Director since: January 13, 2021* Current Term Expires: 2024		
<b>Meeting Attendance/Committee Membership</b>		<b>Principal Occupation Held in Last Five Years</b>
Board Pension Committee Transformation Committee	6/6 4/4 4/4	Corporate Director.
<i>*Mr. Brotto previously served on the Board from April 12, 2006 to January 14, 2015.</i>		

<b>Michael DiLollo</b>		
Director Ontario, Canada Elected by: Commercial Air Carriers Director since: February 7, 2013 Current Term Expires: 2025		
<b>Meeting Attendance/Committee Membership</b>		<b>Principal Occupation Held in Last Five Years</b>
Board Corporate Governance Committee Safety Committee	6/6 3/3 4/4	Managing Director, Capital Solutions at Caisse de dépôt et placement du Québec (CDPQ). From May 2019 to May 2020, Managing Director, Specialty Finance, Fixed Income and from June 2017 to April 2019, Senior Director, Investment, Specialty Finance, Fixed Income at CDPQ.
<b>Peter Duffey</b>		
Director Ontario, Canada Elected by: Labour Unions Director since: January 7, 2021 Current Term Expires: 2025		
<b>Meeting Attendance/Committee Membership</b>		<b>Principal Occupation Held in Last Five Years</b>
Board Audit & Finance Committee* Pension Committee* Safety Committee Transformation Committee*	6/6 3/3 2/2 3/3 2/2	From May 2014 to June 2020, President & Chief Executive Officer of CATCA.
<i>*Mr. Duffey was a member of the Audit &amp; Finance Committee until January 12, 2022 at which time he joined each of the Pension Committee and the Transformation Committee.</i>		

Bonnie DuPont		
<p>Director; Chair of the Human Resources &amp; Compensation Committee            Alberta, Canada            Elected by: Board of Directors            Director since: February 7, 2013            Current Term Expires: 2025</p>		
Meeting Attendance/Committee Membership		Principal Occupation Held in Last Five Years
<p>Board 6/6            Corporate Governance Committee 3/3            Human Resources &amp; Compensation Committee 8/8            Transformation Committee* 2/2</p> <p><i>*Ms. DuPont joined the Transformation Committee on January 12, 2022.</i></p>		<p>Corporate Director.</p>
Marc Grégoire		
<p>Director            Québec, Canada            Elected by: Government of Canada            Director since May 13, 2019            Current Term Expires: 2025</p>		
Meeting Attendance/Committee Membership		Principal Occupation Held in Last Five Years
<p>Board 6/6            Audit &amp; Finance Committee 5/5            Human Resources &amp; Compensation Committee 8/8</p>		<p>Corporate Director.</p>
Linda Hohol		
<p>Director; Chair of the Audit &amp; Finance Committee            Alberta, Canada            Elected by: Board of Directors            Director since: February 16, 2012            Current Term Expires: 2024*</p> <p><i>*Ms. Hohol will retire as a member of the Board following the completion of the Company's annual meeting in January 2023, which is one year before the end of her final three-year term.</i></p>		
Meeting Attendance/Committee Membership		Principal Occupation Held in Last Five Years
<p>Board 6/6            Audit &amp; Finance Committee 5/5            Transformation Committee 4/4            Pension Committee 4/4</p>		<p>Corporate Director.</p>

Kevin Howlett		
Director British Columbia, Canada Elected by: Commercial Air Carriers Director since: January 13, 2021 Current Term Expires: 2024		
Meeting Attendance/Committee Membership		Principal Occupation Held in Last Five Years
Board 6/6 Human Resources & Compensation Committee 8/8 Pension Committee* 2/2 Transformation Committee* 2/2  <i>*Mr. Howlett was a member of the Transformation Committee until January 12, 2022 at which time he joined the Pension Committee.</i>	Corporate Director. From May 2016 to November 1, 2018, Senior Vice President, Regional Markets and Government Relations at Air Canada.	
Davey Lewis		
Director British Columbia, Canada Elected by: Labour Unions Director since: January 12, 2022 Current Term Expires: 2025		
Meeting Attendance/Committee Membership		Principal Occupation Held in Last Five Years
Board 3/3 Audit & Finance Committee 2/2 Corporate Governance Committee 1/1	Corporate Director.	
Candice Li		
Director Alberta, Canada Elected by: Commercial Air Carriers Director since: January 13, 2021 Current Term Expires: 2024		
Meeting Attendance/Committee Membership		Principal Occupation Held in Last Five Years
Board 6/6 Audit & Finance Committee 5/5 Pension Committee 4/4	Corporate Director. From February 1, 2021 to August 26, 2022, Chief Financial Officer and from July 27, 2020 to January 31, 2021 Executive Vice President, Finance at Benevity, Inc. (Benevity). Vice President, Finance at Attabotics Inc. from March 2020 to July 2020 and Vice President, Finance & Fleet Management at WestJet Airlines Ltd. (WestJet) from October 2015 to March 2020.	

<b>Michelle Savoy</b>		
Director; Chair of the Corporate Governance Committee Ontario, Canada Elected by: Government of Canada Director since: December 15, 2015 Current Term Expires: 2024		
Meeting Attendance/Committee Membership		Principal Occupation Held in Last Five Years
Board Corporate Governance Committee Human Resources & Compensation Committee Pension Committee	6/6 3/3 8/8 4/4	Corporate Director.
<b>David Weger</b>		
Director Saskatchewan, Canada Elected by: General Aviation Director since: January 10, 2018 Current Term Expires: 2024		
Meeting Attendance/Committee Membership		Principal Occupation Held in Last Five Years
Board Audit & Finance Committee Safety Committee	6/6 5/5 4/4	Corporate Director. From January 2011 to May 1, 2018, Senior Director, Administration Services at Nutrien Ltd. (formerly Potash Corporation of Saskatchewan Inc.)

### Independent Functioning of the Board

All of the directors, other than the President & CEO, are independent. The responsibilities of the Chair of the Board are set out in the Terms of Reference for the Chair, attached as **Appendix B**. The By-laws of the Company do not allow the positions of Chair and President & CEO to be occupied by the same person. The structure and composition of the Board and its Committees have been designed to ensure that the Board functions independently of management. To further enhance the ability of the Board to function independently from management, a portion of each regularly scheduled Board meeting is reserved for discussion without the President & CEO or other representatives of management being present. For fiscal 2022, the Board held six meetings.

The President & CEO is not a member of the Corporate Governance, Audit & Finance, Transformation or Human Resources & Compensation Committees. As a result, these Committees are composed entirely of independent directors.

## Directorships of Other Reporting Issuers

The following current directors are also directors of other reporting issuers:

Name of Director	Name of Other Reporting Issuer
Edward Barrett	Wajax Corporation
Mary-Ann Bell	Cogeco Inc. mdf commerce inc. SNC-Lavalin Group Inc.
Marc Courtois	Pembroke American Growth Fund Inc.
Bonnie DuPont	Bird Construction Inc.
Linda Hohol	Canadian Western Bank
Michelle Savoy	Laurentian Bank of Canada Pizza Pizza Royalty Corp.

## Nomination of Directors

As described above, NAV CANADA has five Members - the Government of Canada, a commercial air carrier member, a general aviation member, a labour unions member, and the Director member. These Members elect a total of 14 of the 15 directors. The President & CEO is also a director.

The process for nominating and selecting those directors elected by the Director Member is led by the Corporate Governance Committee. As part of its mandate, this Committee develops and annually updates a long-term plan for the composition of the Board which takes into consideration the current strengths, skills and experience on the Board and the strategic direction of NAV CANADA, and recommends nominees to the Board for election.

In performing this mandate, the Committee seeks director nominees with the skills and experience needed to properly oversee the interests of the Company. The Committee carefully evaluates each candidate to ensure that they possess the necessary experience, skills and qualifications that the Committee has found contribute to being an effective member of the Board. Such key criteria include, among others:

- the highest level of personal and professional ethics, integrity and values;
- practical wisdom and mature judgment;
- an inquisitive and objective perspective;
- skills and experience that are complementary to the current Board and helpful with the Company's current activities and strategic direction; and
- willingness to serve as a helpful resource to the Board and to management, where necessary and appropriate, and to objectively appraise the performance of management.

In addition to the qualifications that each director nominee must have, the Board believes that one or more of the members of the Board should possess the experience and expertise listed below given their particular relevance to the business of the Company and its structure:

- Air Transportation Industry Experience
- Aviation Industry Experience
- Corporate Governance Experience
- Audit and Financial Accounting Expertise

- Legal Expertise
- Engineering Expertise
- Technological Expertise
- Strategic Planning and Risk Management Experience
- Corporate Finance and Investment Management Experience
- HR/Compensation Experience
- Pension Plan Expertise
- Government Experience
- Leadership Experience

The mandate of the Corporate Governance Committee is attached as **Appendix C**.

### **Assessments**

Biennial assessments are conducted of the effectiveness and contributions of the Board, the Chair of the Board and each Committee. In addition, recognizing that individual director development contributes to the overall effectiveness of the Board, each director participates in a peer review process, carried out every two years. The Corporate Governance Committee oversees the process of conducting the assessments and makes recommendations to the Board on areas that may require improvement. Each Committee reviews its assessment and makes improvements as needed.

### **Position Descriptions**

The Board has developed position descriptions for the Chair of the Board, the President & CEO, and the Committee Chairs. These position descriptions are attached as **Appendices B, D and E**, respectively.

### **Orientation and Continuing Education**

An orientation program for new directors is in place to assist them in familiarizing themselves with the Company, the Board, its Committees, other directors and assisting them in understanding their responsibilities and enhancing their ability to contribute. The orientation program is designed to familiarize newly elected directors with their role, responsibilities and liabilities and provide them with an in-depth overview of the Company, the ANS and, the Board and its Committees. The program consists of written materials, meetings with the Chair of the Board, other directors, the President & CEO and executive team, corporate staff and visits to the Company's facilities (although such visits were not possible during the course of the pandemic). Each new director is assigned a mentor, a fellow director with similar Committee memberships and several years of service on the Board.

Director education is regarded as any manner in which directors obtain or enhance their knowledge that is useful to the director in the fulfillment of his or her obligation as an effective Board member and includes, but is not limited to, any form of

- course,
- seminar,
- conference,
- guest speaker,
- educational topic on meeting agendas,
- reading material provided in support of meeting material,
- tours of Company facilities,

or any other information or specific training. Directors have opportunities to receive continuing education at Committee and Board meetings where sessions are conducted on emerging issues and trends. Twice a



year, the Board receives an in-depth presentation from management on current business issues. Directors are encouraged to attend seminars or courses on relevant subject matters provided by outside institutions or organizations. All directors are members of the Institute of Corporate Directors (ICD) and as such are able to leverage courses offered by the ICD. They are also encouraged to arrange individual tours at facilities at regular intervals to keep their knowledge of operations current. Subject to the nature of the education, directors are provided with funding by the Company for courses taken.

The following table provides details on certain director training initiatives undertaken by Board members in fiscal 2022.

Director Continuing Education Fiscal 2022		
Topic	Presentation By	Attendees
Audit & Finance Committee Directors' Duties	Gowling WLG (Canada) LLP	Audit & Finance Committee
Audit Committee ESG Update	KPMG LLP	Audit & Finance Committee
Incident Response/Cyber Security Education Session and Table Top Exercise	Canadian Centre for Cyber Security, NAV CANADA Management	Board of Directors
Workforce Strategies for the Future of Work in a Post-COVID World	Deloitte Consulting LLP	Board of Directors
Effective Climate Governance for Pension Boards and Their Fiduciaries	Canada Climate Law Initiative	Pension Committee
Best Practices in Investment Due Diligence and Operational Due Diligence	Albourne	Pension Committee
Safety Risk Management at NAV CANADA	NAV CANADA Management	Safety Committee
2022 Executive Compensation Trends	Hugessen Consulting	Marc Grégoire, Davey Lewis
Airline Economics Conference	Aviation News Ltd.	Michael DiLollo
Audit Committee Effectiveness	ICD	Davey Lewis
Board Cybersecurity Governance during Geopolitical Conflict	ICD	Candice Li, David Weger
Board Oversight of Climate Change	ICD	Ed Barrett
In the Zone of the Unknown: Governing in Challenging Times	KPMG LLP	Bonnie DuPont
Redefining the Role of HR	ICD	Michelle Savoy
Role of the HRCC and Compensation Effectiveness	Southlea Group	Bonnie DuPont

## Compensation

The Corporate Governance Committee reviews director compensation on a biennial basis and makes recommendations to the Board regarding changes, if any are deemed necessary or appropriate. Such review might include the retention of outside consultants to provide assistance. Compensation for directors is in cash for Board and Committee retainers, meeting fees, fees for chairing the Board or Committees, as well as reimbursement of travel and related business expenses.

For more information on fees paid to directors refer to the Company's Form 51-102F6 *Statement of Executive Compensation* (Form 51-102F6) which is attached as **Appendix H**.

The Human Resources & Compensation Committee has responsibility for the review and updating of the executive compensation package to ensure it is competitive in the marketplace and meets the Company's compensation philosophy. Executive compensation is more fully described in the Form 51-102F6 which is attached as **Appendix H**.

The Human Resources & Compensation Committee is composed entirely of independent directors. The Committee's mandate is attached as **Appendix F**.

## Ethical Business Conduct

The Code of Conduct is designed to govern the conduct of all directors and officers, and the disclosure and avoidance of conflicts of interest. This disclosure is updated annually, or more frequently, as required. All of the Company's directors and officers have signed a Code of Conduct and Conflict of Interest declaration. During fiscal 2022, no proceedings were taken against any director or officer by the Board under the Code of Conduct.

In addition, NAV CANADA has a *Code of Business Conduct* (Code of Business Conduct) which applies to all directors, officers and employees of the Company. Copies of both the Code of Conduct and the Code of Business Conduct are available on the Company's website and on SEDAR at [www.sedar.com](http://www.sedar.com). The Corporate Governance Committee has responsibility for reviewing with the Board and management the results of an annual review of compliance with the Code of Conduct.

Directors and executive officers of the Company who hold office as a director, officer or elected official of another entity or who are an associate or employee of another entity that might be in conflict with their duty or interest towards the Company, must file a written declaration to this effect with the Company. No director or officer who is in such a position may participate in the consideration of any transaction or agreement in which such other entity has an interest.

The Code of Business Conduct, which applies to all employees, directors and officers of the Company is reviewed and approved by the Board and complies with the requirements of National Policy 58-201 *Corporate Governance Guidelines*. The Board is committed to bringing the highest degree of honesty, integrity and ethical conduct to the Company's operations and business relationships. This commitment is reflected in the NAV CANADA vision and values, as well as in all dealings with employees, customers, bargaining agents, suppliers, and other stakeholders. The Code of Business Conduct describes how that commitment is put into everyday practice.

The Code of Business Conduct is not simply a list of rules. It is intended to help employees, directors and officers maintain the very high standard of ethical behaviour expected of a company entrusted with public safety. Throughout the Code of Business Conduct, employees, directors and officers are directed to appropriate internal review and redress mechanisms available within the Company to address specific situations and potential violations. Examples of internal review and redress mechanisms include the Alternate Dispute Resolution Process, the Workplace Accommodation Right of Review Process, the Official Languages Internal Complaints Procedure, Harassment Occurrence Resolution Process, grievance processes available to unionized employees, and the Internal Complaints Resolution Process.

The Company has in place policies and processes on whistleblowing. The NAV CANADA whistleblowing system, called SENTINEL, is confidential and independently managed, and has procedures for the receipt, retention and treatment of complaints received regarding accounting, internal accounting controls, auditing or pension plan matters, as well as reporting of serious ethical, legal, fraudulent or other concerns that could harm the reputation and/or financial standing of the Company. SENTINEL ensures that employees have an outlet for reporting concerns relating to the Company that are not being addressed through existing channels. Concerns regarding accounting, internal controls or auditing matters are directed to the Chair of the Audit & Finance Committee, concerns relating to pension plan matters are directed to the Chair of the Pension Committee and serious ethical, legal, fraudulent or other concerns are directed to the Chair of the Board.

In addition, the Company has a confidential safety reporting program, called ARGUS+, which provides employees with the opportunity to identify potential hazards while remaining anonymous. ARGUS+ ensures that employees who recognize a potential hazard can report their concerns confidentially. Every employee and manager is encouraged to use the ARGUS+ program, without fear of recrimination.

The Board, officers and management of the Company are committed to an active disclosure culture. The Company's Corporate Disclosure Policy (available on the Company's website) ensures communications to the investing public are timely, accurate, consistent, informative, compliant with legal and regulatory requirements and are broadly disseminated.

## Gender Diversity

The Company and the Board recognize the importance of diversity, including gender, in the selection of directors and executive officers and believe that diversity enhances corporate and board discussion, viewpoints and, ultimately, performance.

While there are no targets in place regarding the representation of women on the Board or when hiring executive officers, the Company has an *Employment Equity and Diversity Policy* which applies when hiring and promoting executive officers. This policy sets out an objective that the Company's hiring practices are to be as much a reflection of the Canadian labour market as possible, while improving designated group representation within the workplace and supporting diversity in its business practices.

Two-thirds of the Board's members are elected by the Company's stakeholder members and while the Board cannot dictate requirements to those stakeholders, the Corporate Governance Committee of the Board regularly examines the experience, skills and attributes, including gender, required for filling Board vacancies, and communicates these requirements to our stakeholder members for their consideration when electing directors. The Corporate Governance Committee similarly identifies desirable competencies and attributes, including gender, while ensuring an appropriate mix of skills and experience with respect to those directors elected by the Board.

Currently, one third (33%) of the Board members are women, with 67% of the directors elected by the Government of Canada, and 50% of the Board-elected directors, being women. There are also four women (57%) on the Executive Management Committee of the Company. Within the senior management group, which by definition includes individuals in policy-making functions, approximately 39% are women.

## Board Committees

Our Board has six committees, as described below, which do not take action or make decisions on behalf of the Board unless specifically mandated to do so.

Audit & Finance Committee		
Mandate	Meetings held in fiscal year	Current Membership
Responsible for assisting the Board in fulfilling its oversight responsibilities relating to the Company's financial reporting and disclosure obligations, including review of annual and interim financial statements, the integrity of the Company's financial reporting and internal controls, the oversight of the Company's internal audit function, compliance with legal and regulatory requirements, and the qualifications, independence and performance of the Company's public accountants. The Committee also provides oversight on treasury matters and reviews and recommends to the Board any financing and/or financial risk management transactions proposed by management. In addition, the Committee provides oversight of the Company's cyber security strategies and implementation as they relate to the Company's business systems.	Five	Linda Hohol, Chair Edward Barrett Marc Grégoire Davey Lewis Candice Li David Weger

Corporate Governance Committee		
Mandate	Meetings held in fiscal year	Current Membership
Develops general policies relating to corporate governance to ensure that the Company has in force an effective corporate governance system that adds value and assists the Company in achieving its objectives.	Three	Michelle Savoy, Chair Edward Barrett Marc Courtois Michael DiLollo Bonnie DuPont Davey Lewis

Human Resources & Compensation Committee		
Mandate	Meetings held in fiscal year	Current Membership
Provides oversight to ensure a high quality of leadership within NAV CANADA, an employee and labour relations strategy that provides for a productive and fulfilling work environment, and ongoing flexibility and productivity throughout the Company. As well, the Committee ensures that the human resources plans and programs reflect the Company's human resources values and principles.	Eight	Bonnie DuPont, Chair Edward Barrett Mary-Ann Bell Marc Grégoire Kevin Howlett Michelle Savoy

Pension Committee		
Mandate	Meetings held in fiscal year	Current Membership
Oversees the investment management of plan assets and the administration of the Company's retirement plan, which includes a registered pension plan and supplementary retirement arrangements. At the invitation of the Chair, an observer member, nominated by the employees' unions, attends the meetings.	Four	Paul Brotto, Chair Raymond Bohn Peter Duffey Linda Hohol Kevin Howlett Candice Li Michelle Savoy Michael Simard, Observer

Safety Committee		
Mandate	Meetings held in fiscal year	Current Membership
Oversees the safety of the Company's air navigation services and products, primarily by monitoring the integrity and effectiveness of our risk management safety policies. In addition, the Committee provides oversight of the Company's cyber security strategies and implementation as they relate to the Company's operational facilities and operational systems.	Four	Mary-Ann Bell, Chair Raymond Bohn Marc Courtois Michael DiLollo Peter Duffey David Weger

Transformation Committee		
Mandate	Meetings held in fiscal year	Current Membership
Responsible for the oversight of the implementation and progress of the technology and other business transformation initiatives outlined in the Company's Strategic Plan (collectively, the "Transformation Program"), for reviewing and recommending refinements to the Transformation Program from time to time to the extent necessary and to foster forward thinking.	Four	Edward Barrett, Chair Mary-Ann Bell Paul Brotto Peter Duffey Bonnie DuPont Linda Hohol

## Audit & Finance Committee Information

The Company has an Audit & Finance Committee that meets the requirements of NI 52-110. The Terms of Reference for the Audit & Finance Committee are attached as **Appendix G**.

**Independence & Financial Literacy** - All of the members of the Audit & Finance Committee are independent and, with the exception of Davey Lewis, are financially literate within the meaning of NI 52-110. It is expected that Mr. Lewis will become financially literate during fiscal 2023. The Company is relying on the exemption from the financial literacy requirement contained in Section 3.8 of NI 52-110 in this regard.

The following describes the relevant education and experience of the current members of the Committee.

**Linda Hohol, FICB, Chair of the Audit & Finance Committee** - Ms. Hohol acquired significant experience and exposure to accounting and financial reporting issues as the former President of the TSX Venture Exchange, part of the TMX Group, as well as in her prior roles as Executive Vice President, Wealth Management and Senior Vice President, Alberta and NWT at Canadian Imperial Bank of Commerce, where she spent 26 years. Ms. Hohol currently sits on the boards of directors of the Canadian Western Bank, serving as a member of its Risk Committee and serving as Chair of its Human Resources Committee, and the ICD, serving as Chair of its board of directors. She has past experience on many boards, including ATB Financial (Chair of the Risk Committee and member of the Audit Committee), EllisDon Construction (member of the Audit Committee) as well as The Calgary Airport Authority, Canada Foundation for Innovation and United Way of Calgary (Chair of all three Audit Committees). Ms. Hohol is a graduate of the Executive Development Program at the Kellogg School of Management, Chicago, Illinois. Ms. Hohol is a Fellow of the Institute of Canadian Bankers.

**Edward Barrett, F.ICD** - Mr. Barrett is Chair and Co-CEO of Barrett Corporation, a business with operations throughout Canada and the U.S. in the telecommunications, wholesale distribution, and refrigeration business sectors. In this position, the Chief Financial Officer reports directly to Mr. Barrett. He has served on the Audit Committee of Wajax Corporation, a TSX listed company, since 2006. Mr. Barrett has also previously served on the Audit & Finance Committee of NAV CANADA from February 2013 to May 2014, the Finance Committee of Medavie Blue Cross and the Audit Committee of NB Power. Mr. Barrett is a Fellow of the ICD.

**Marc Grégoire** – Mr. Grégoire brings with him extensive experience in the aviation sector, having spent 27 years at Transport Canada in various leadership roles, including as Assistant Deputy Minister, Safety and Security, where he obtained significant expertise in financial management and budgeting. Mr. Grégoire became Commissioner of the Canadian Coast Guard, Fisheries and Oceans in 2010 until his retirement from the Public Service in December 2014. As Commissioner, he managed a budget of over \$600 million and an organization of approximately 5,000 employees. He also participated in most of the meetings of the Fisheries

and Oceans Audit Committee during his tenure as Commissioner. Given his experience with the Public Service, Mr. Grégoire is adept in reviewing and interpreting fiscal information and financial statements. He served as the Chairman for the review of the *Pilotage Act* for the Minister of Transport in 2017-2018. Mr. Grégoire has taken courses offered by the ICD dealing with financial literacy.

**Davey Lewis** – Mr. Lewis spent approximately 40 years in the aviation industry with over 30 years as an air traffic controller, ATC supervisor and manager at the Company. Approximately ten years of his career were spent working for CATCA, the professional association that represents Canadian air traffic controllers, where he served as its exclusive bargaining agent. He also served on CATCA’s board of directors for a total of 13 years where he was the President & CEO and Chairman of the Board for the last six years. As a CATCA executive, he obtained extensive contract administration experience and was involved in numerous rounds of collective bargaining with the Company, being the chief negotiator for the first ever round of bargaining with NAV CANADA. As a Unit Manager and General Manager, he was responsible for the budget, administration and service delivery at the Victoria and Vancouver Harbour towers and the Edmonton FIR, respectively. He also previously served on the board of directors and the investment committee of the Canadian Science and Technology Growth Fund, a fund that was managed by TIMCO, one of Canada’s top labour-sponsored venture capital fund managers. Mr. Lewis took a course on financial literacy offered by the ICD in fiscal 2022 and plans to take additional similar courses in fiscal 2023.

**Candice Li, CPA, CA, CPA (IL)** - Ms. Li has over twenty years of experience in a broad range of finance functions including accounting, treasury and corporate finance, financial planning and analysis, investor relations, risk management, internal controls, internal audit, tax and strategic sourcing. She most recently served as the Chief Financial Officer at Benevity, a Calgary-based company that provides charitable donation-management and grant-management platforms. Before joining Benevity, Ms. Li had a 14-year career at WestJet where she held numerous roles with increasing responsibility in the finance department which included serving as Director, Audit & Advisory Services, Vice President, Treasurer, Vice President, Controller and Vice President, Finance & Fleet Management. She also served as the Interim Chief Financial Officer of WestJet from May to October 2015. Ms. Li held accounting and audit positions at PricewaterhouseCoopers LLP (now PwC) after obtaining her Bachelor of Commerce from the University of Calgary. She currently also sits on the board of governors of the University of Calgary and serves on each of its Audit Committee and Budget Committee. Ms. Li is both a Canadian Chartered Professional Accountant and a U.S. Certified Public Accountant (Illinois).

**David Weger, ICD.D** - Mr. Weger had over 21 years of service with Nutrien Ltd. (formerly, Potash Corporation of Saskatchewan Inc.). He most recently served as Senior Director, Administration Services where he was responsible for three business units and the preparation of selling, general and administrative budgets, capital budgets, leasing and capital planning, real estate design build and monetization opportunities, and tax efficient life cycle cost analysis for real property and assets. He is currently the Chair of the board of directors of the Saskatoon Airport Authority (SAA) and previously served on its Audit and Finance Committee. Prior to joining the Board, he served on the board of directors of the Canadian Business Aviation Association (CBAA). He previously also served on the Audit & Finance Committee of NAV CANADA from January 2018 to January 2020. Mr. Weger is a graduate of the University of Saskatchewan, College of Commerce - Business Administration program and is a holder of the ICD.D designation.

**Non-Audit Services** - The Audit & Finance Committee has adopted a policy for the pre-approval of the provision of audit-related, tax and other non-audit services by the Company’s external auditors. The policy provides that all non-audit services provided by the Company’s external auditors must be pre-approved by the Committee, and also incorporates a list of prohibited non-audit services.

Annually, the Committee updates and approves a list of pre-approved services including those that are recurring or otherwise expected to be provided. The Committee is also informed annually of the services for which the auditors have been engaged and the related fees. Any additional requests for pre-approval are

addressed on a case-by-case specific engagement basis as described below.

Recommendations in respect of each engagement are submitted by the Chief Financial Officer to either the Chair of the Audit & Finance Committee or to the full Committee. The engagement may commence upon approval of the Chair of the Committee (where aggregate fees are expected to be less than \$50,000) or of the full Committee (where the aggregate fees are expected to be greater than \$50,000).

**External Auditor Fees** - The aggregate fees billed by the Company's external auditors KPMG LLP during fiscal 2022 and fiscal 2021 were as follows:

	Year Ended August 31, 2022	Year Ended August 31, 2021
Audit Fees <sup>(1)</sup>	\$601,500	\$570,000
Audit-Related Fees <sup>(2)</sup>	\$53,000	\$50,000
Tax Fees <sup>(3)</sup>	\$92,919	\$93,816
Other Fees	\$0	\$0
Total	\$747,419	\$713,816

- (1) **Audit Fees** - were paid for professional services rendered for the audit of the Company's annual financial statements and the review of the Company's interim financial statements in fiscal 2022. The 2022 fees also include the following amounts: fees of \$7,500 related to non-recurring audit work related to the impacts of COVID-19.
- (2) **Audit-Related Fees** - were paid for assurance and related services that are reasonably related to the performance of the audit or review of the annual financial statements and are not reported under the audit fees item above. These services consisted of translation services.
- (3) **Tax Fees** - were paid for professional services related to tax compliance, tax advice and tax planning. These services consisted of the review of tax returns, assistance in the commodity tax area, tax assistance with respect to specific transactions, and other compliance services.

## Executive Officers

In addition to the President & CEO, we have six other executive officers. All are appointed for non-fixed terms of office.

Name, Residence and Date of Appointment	Position	Principal Occupation and Position Over Past Five Years
RAYMOND G. BOHN Ontario, Canada February 1, 2021	President & CEO	From September 1, 2020 to January 31, 2021, Mr. Bohn was Vice President & Chief Human Resources Officer. From September 1, 2017 to August 31, 2020, he was Executive Vice President, Human Resources, Communications & Public Affairs. From November 1, 2016 to August 31, 2017, Mr. Bohn was Senior Vice President, Human Resources, Communications & Public Affairs.
MARK COOPER Ontario, Canada September 1, 2020	Vice President, Chief Technology & Information Officer	From September 3, 2019 to August 31, 2020, Mr. Cooper was Senior Vice President, Air Navigation Systems Technology. From January 2017 to August 2019, Mr. Cooper was the lead Partner for Aviation Technology at Deloitte. Prior thereto, Mr. Cooper was Managing Director of Lockheed Martin's Air Traffic Management and Airport business in the United Kingdom.

BEN GIRARD Ontario, Canada September 1, 2020	Vice President & Chief of Operations	From May 21, 2018 to August 31, 2020, Mr. Girard was Vice President, Operational Support. From March 31, 2016 to May 20, 2018, Mr. Girard was Assistant Vice President, Operational Support.
DIANA KELLY Ontario, Canada April 8, 2022	Vice President & Chief Human Resources Officer	From September 1, 2020 to April 7, 2022, Ms. Kelly was Vice President, Chief Safety & Quality Officer. From September 17, 2018 to August 31, 2020, she was Assistant Vice President, Corporate Planning and Performance. From July 1, 2016 to September 16, 2018, Ms. Kelly was the General Manager of the Edmonton FIR.
LEIGH ANN KIRBY Ontario, Canada September 1, 2020	Vice President, Chief Legal Officer & Corporate Secretary	From February 29, 2016 to August 31, 2020, Ms. Kirby was Vice President, General Counsel & Corporate Secretary.
DONNA MATHIEU Ontario, Canada January 13, 2022	Vice President & Chief Financial Officer	From September 1, 2020 to January 12, 2022, Ms. Mathieu was Vice President, Chief Investment Officer & Treasurer. From June 1, 2017 to August 31, 2020, she was Vice President, Pension Investments & Treasurer.
LYNE MOREAU Québec, Canada December 1, 2021	Vice President & Chief Strategy Officer	From September 21, 2020 to November 30, 2021, Ms. Moreau was Assistant Vice President, Corporate Planning and Performance. From April 2016 to September 20, 2020, she was the General Manager of the Montreal FIR.

Upon becoming the Vice President & Chief Human Resources Officer on April 8, 2022, Diana Kelly vacated the position of Vice President, Chief Safety & Quality Officer. Ben Girard, Vice President & Chief of Operations, will also retire effective December 30, 2022. The Company is in the process of recruiting replacement Vice Presidents and the successors will be announced in due course.

The following executive officers retired during fiscal 2022:

Name, Residence and Date of Retirement	Position	Principal Occupation and Position Over Past Five Years
ALEXANDER N. STRUTHERS Ontario, Canada January 12, 2022	Vice President & Chief Financial Officer	From December 3, 2016 to August 31, 2020, Mr. Struthers was Executive Vice President, Finance & Chief Financial Officer
MAURA McKINNON New Brunswick, Canada April 7, 2022	Vice President & Chief Human Resources Officer	From October 2015 to June 4, 2021, Ms. McKinnon was Chief Human Resources Officer at Horizon Health Network.

### Corporate Cease Trade Orders, Bankruptcies, Penalties or Sanctions

Except as noted below, no director or executive officer of NAV CANADA is, as at the date of this AIF, or has within ten years prior to the date of this AIF:

- (a) been a director, chief executive officer or chief financial officer of any company (including the Company) that:
  - (1) was the subject of a cease trade or similar order or an order that denied the company access to any exemption under securities legislation for a period of more than 30 consecutive days, where such order was issued:
    - (i) while the director or executive officer was acting in the capacity as director, chief



executive officer or chief financial officer; or

- (ii) after the director or executive officer ceased to be a director, chief executive officer or chief financial officer and which resulted from an event that occurred while that person was acting in the capacity as director, chief executive officer or chief financial officer; or
  - (2) while that person was acting in that capacity or within a year of that person ceasing to act in that capacity, became bankrupt, made a proposal under any legislation relating to bankruptcy or insolvency or was subject to or instituted any proceedings, arrangement or compromise with creditors or had a receiver, receiver manager or trustee appointed to hold its assets; or
- (b) become bankrupt, made a proposal under any legislation relating to bankruptcy or insolvency or was subject to or instituted any proceedings, arrangement or compromise with creditors or had a receiver, receiver manager or trustee appointed to hold the assets of such director or officer.

In January 2012, a receiver was appointed under the *Bankruptcy and Insolvency Act* (Canada) to hold the assets of Barrett Marketing Group (Barrett Marketing), a privately-held distribution company of which Edward Barrett is a director and executive officer. In November 2012, Barrett Marketing voluntarily filed for bankruptcy.

Michelle Savoy was serving as a director of 2172079 Ontario Inc., a private company operating a franchise restaurant, when the company initiated creditor protection proceedings under Section 49 of the *Bankruptcy and Insolvency Act* (Canada) on December 3, 2013.

## **LEGAL PROCEEDINGS**

The Company is party to legal proceedings in the ordinary course of its business. Management does not expect the outcome of any of these proceedings to have a material adverse effect on the consolidated financial position or results of operations of the Company.

## **INTERESTS OF EXPERTS**

KPMG LLP are our auditors. As such they have provided the audit report filed with our fiscal 2022 annual audited consolidated financial statements, which are filed on SEDAR. In connection with the audit of the Company's annual consolidated financial statements for fiscal 2022, the auditors confirmed that they are independent within the meaning of the relevant rules and related interpretations prescribed by the relevant professional bodies in Canada and any applicable legislation or regulation.

## **MATERIAL CONTRACTS**

The following is the only material contract, other than contracts entered into in the ordinary course of business, which has been entered into by the Company within the most recent fiscal year, or was entered into before the most recently completed fiscal year and is still in effect:

- The GOI referred to above under the heading "Capital Structure".

A copy of this document has been filed as a material contract on SEDAR and is available at [www.sedar.com](http://www.sedar.com).

## **TRANSFER AGENT AND REGISTRAR**

The trustee and registrar for the Company is BNY Trust Company of Canada, located in Toronto, Ontario.

## **ADDITIONAL INFORMATION**

Additional information relating to the Company is available on SEDAR at [www.sedar.com](http://www.sedar.com). Additional financial information relating to the Company can be found in the annual audited consolidated financial statements and MD&A for fiscal 2022.

## **APPENDIX A**

### **TERMS OF REFERENCE FOR THE BOARD OF DIRECTORS**

#### **INTRODUCTION**

The primary responsibility of the board of directors is to foster the long-term success of NAV CANADA consistent with its fiduciary responsibility to NAV CANADA.

The board of directors operates by delegating certain of its tasks and responsibilities, including spending authorizations, to management and by reserving certain powers to itself. Subject to the Articles of Continuance and By-Laws of NAV CANADA, the board of directors retains the responsibility for managing the business and affairs of NAV CANADA, including the selection of Board-elected Directors, selecting its Chair, appointing officers and committees and determining director compensation.

The board of directors shall act in the best interests of the company and be accountable for the stewardship of the company, including, but not limited to, overseeing the conduct and operation of the company, reviewing and approving corporate strategies, plans and financial objectives, appointing, developing, monitoring, advising and supervising senior management, assessing the performance and results of management and the company, making reasonable efforts to maintain effective corporate communications with Members and the public as contemplated herein, making reasonable efforts to maintain the integrity of internal control and management/financial systems, exercising duty of care and preserving the company's assets; developing the company's approach to corporate governance, and to the extent feasible, satisfying itself as to the integrity of the President and other executive officers, and that the President and other executive officers create a culture of integrity throughout the company.

The duties and responsibilities of individual directors are contained in the Company's Corporate Governance Manual.

#### **SELECTION OF CHAIR, PRESIDENT AND OFFICERS**

The board of directors has the responsibility:

- (a) for the appointment and replacement of a President and the Chair, for monitoring and review (with and through the Human Resources and Compensation Committee) of the President's and the Chair's performance, approving President compensation and providing advice and counsel to the President in the execution of their duties;
- (b) acting upon the advice of the Human Resources and Compensation Committee, and the President concerning their direct reports, to approve the appointment of all officers; and
- (c) for ensuring that plans have been made for management succession.

#### **MONITORING AND ACTING**

The board of directors has the responsibility:

- (a) to monitor NAV CANADA's progress towards its objects and policies, and to revise and alter its direction through management in light of changing circumstances;
- (b) for the identification of the principal risks of NAV CANADA's business and ensuring the implementation of appropriate systems to manage these risks; and
- (c) for taking appropriate steps to gain reasonable assurance that management has implemented sound internal controls and management information systems.

## **STRATEGY DETERMINATION**

The board of directors has the responsibility to review with management the mission of the business, its objects and policies, and the strategy by which it proposes to reach those objects and policies, taking into account, among other things, the opportunities and risks of the business.

## **POLICIES AND PROCEDURES**

The board of directors has the responsibility to take appropriate steps to gain reasonable assurance that management has put in place appropriate processes:

- (a) to approve and monitor compliance with all significant policies and procedures by which NAV CANADA is operated; and
- (b) to ensure that NAV CANADA operates at all times within applicable laws and regulations, and to the highest ethical and moral standards.

## **COMMUNICATION**

The board of directors has the responsibility:

- (a) to ensure timely, informative and broad dissemination of material information, as outlined in the Company's Corporate Disclosure Policy and other communication policies;
- (b) to ensure that the financial performance of NAV CANADA is adequately reported to Members, other security holders and regulators, as applicable, on a timely and regular basis;
- (c) to ensure that the financial results are reported fairly and in accordance with generally accepted accounting standards;
- (d) to ensure the timely reporting of any other developments that have a significant and material impact on NAV CANADA;
- (e) to report annually to Members and others required by applicable law on its stewardship for the preceding financial year; and
- (f) to ensure that NAV CANADA has systems in place which accommodate feedback from Members and others required by applicable law.

## **LEGAL REQUIREMENTS**

- A. The board of directors is responsible for ensuring that all applicable legal requirements have been met, and documents and records have been properly prepared, approved and maintained.
- B. Canadian law, including, without restriction, the By-laws of NAV CANADA, establishes the legal requirements for the board of directors:
  - i) to manage the business and affairs of NAV CANADA;
  - ii) to act honestly and in good faith with a view to the best interests of NAV CANADA;
  - iii) to exercise the care, diligence and skill that might reasonably be expected from a person of their knowledge and experience;

- iv) to act in accordance with its obligations contained in the *Canada Not-for-profit Corporations Act*, the *Securities Act* of each province and territory of Canada in which NAV CANADA is a “reporting issuer”, other relevant legislation and regulations, and NAV CANADA’s Articles of Continuance and By-laws;
- v) the following responsibilities cannot be delegated to management or to any Committee:
  - (a) any submission to the Members of a question or matter requiring approval of the Members;
  - (b) the filling of a vacancy among the directors, subject to the provisions of the By-laws of NAV CANADA, or in the office of the external auditor;
  - (c) the manner and the term for the issuance of securities of NAV CANADA;
  - (d) the payment of a commission to any person in consideration of the purchase or agreement to purchase securities of NAV CANADA from NAV CANADA or from any other person, or procuring or agreeing to procure purchasers for any such securities;
  - (e) the approval of all disclosure documents, including prospectuses, required under securities laws;
  - (f) the approval of the financial statements of NAV CANADA;
  - (g) the adoption, amendment or repeal of By-Laws of NAV CANADA; and
  - (h) the amendment of customer service charges charged by NAV CANADA in respect of the ANS.

## APPENDIX B

### TERMS OF REFERENCE FOR THE CHAIR

#### INTRODUCTION

The Company's Corporate Governance Policy Manual sets out the nature of the role of the Chair with specific reference to the By-laws of NAV CANADA in this regard. Given the broad statement of the powers of the office of the Chair, the Corporate Governance Committee, in conjunction with the Chair, has more specifically delineated the responsibilities of the Chair.

#### CHAIR RESPONSIBILITIES

##### A. Introduction

The overriding objective of the Chair is to provide strong leadership and facilitate highly effective performance of the board of directors. The board of directors has ultimate accountability for the management of NAV CANADA. Critical to meeting this accountability is the relationship between the board of directors, management, Members and other stakeholders. The Chair, as the presiding member of the board of directors, must ensure that these relationships are effective and efficient and further the best interests of NAV CANADA. In performing this role, the Chair shall work with management, manage the board of directors, and ensure effective relations with Members, other stakeholders and the public. In this regard, the Chair, in concert with the President, is responsible for public interaction with respect to the affairs of NAV CANADA.

##### B. Board of Director's Interface with Management

The Chair shall:

- i) ensure management is aware of concerns of the board of directors, Members and other stakeholders;
- ii) ensure that management strategy, plans and performance are appropriately conveyed to the board of directors; and
- iii) ensure the board of directors has exposure to the management team.

##### C. Managing the Affairs of the Board of Directors

The Chair shall:

- i) chair board of directors meetings;
- ii) ensure that the mechanisms for effective governance are in place and the board of directors is alert to its obligations to NAV CANADA, Members, management, and other stakeholders under applicable law;
- iii) provide strong leadership to the board of directors and assist in reviewing and monitoring the vision, strategy, and policies of NAV CANADA;
- iv) as a member of the Corporate Governance Committee, participate in recommending the committees of the board of directors and their composition, review the need for, and the

performance and suitability of, those committees and recommend such adjustments as are deemed necessary from time to time;

- v) in conjunction with the Corporate Governance Committee, ensure that the Board-elected Director selection process and composition of the Board-elected Directors are appropriate and serve the needs of NAV CANADA; and
- vi) conduct board of directors meetings in an efficient, effective and focused manner.

D. Relations with Members, Other Stakeholders and the Public

The Chair shall:

- i) assume the role of liaising with the Advisory Committee of NAV CANADA;
- ii) ensure NAV CANADA's management and, where applicable, the board of directors, are appropriately represented at official functions and meetings with Members and other stakeholders; and
- iii) ensure there are appropriate and effective channels of communications between the board of directors, management, Members and other stakeholders.

## **APPENDIX C**

### **TERMS OF REFERENCE OF THE CORPORATE GOVERNANCE COMMITTEE**

#### **PURPOSE**

At NAV CANADA, “board governance” means the process and structure used to supervise the business and affairs of NAV CANADA consistent with a view to discharging the Company’s objects contained in the Articles of Continuance. The process and structure define any delegation of power and establish mechanisms for achieving accountability by the Board and management.

The Statement of Purpose contained in the Articles of Continuance mandate NAV CANADA to acquire, own, manage, operate and develop the ANS in a safe, secure, efficient and cost effective manner, and include:

- (a) fostering and maintaining the highest professional standards;
- (b) facilitating service availability and reasonable fees;
- (c) operating as a good employer; and
- (d) meeting reasonable needs of remote communities.

Fundamental to these is ensuring the financial viability of the business of NAV CANADA.

The purpose of the Corporate Governance Committee (the “Committee”) is to provide a focus on board governance that will enhance the corporate performance of NAV CANADA. The Committee’s activities shall include reviewing, monitoring and making recommendations regarding the effectiveness of the Board of NAV CANADA, establishing and administering a process for the ongoing selection and development of its individual directors; and recommending the composition and Chairs of the various Board committees.

#### **COMPOSITION AND TERM OF OFFICE**

The Committee shall be composed of up to six directors comprising one director elected by the Government Member, one director elected by the User Members, one director elected by the Union Member and two Board-elected directors, provided that one of the members of the Committee shall be the Chair.

Members of the Committee are eligible for reappointment at the will of the Board.

A majority of the members of the Committee shall constitute a quorum.

#### **DUTIES AND RESPONSIBILITIES**

Subject to the powers and duties of the Board, and consistent with the Corporation’s By-laws, the Committee shall:

- (a) Develop and annually update a long term plan for the composition of the Board-elected directors that takes into consideration the current strengths, skills and experience on the Board, and the strategic direction of NAV CANADA;
- (b) Develop recommendations regarding the essential and desired experiences and skills for potential directors elected by the Members, taking into consideration the Board’s short-term needs and long-term succession plans;
- (c) Recommend to the Board nominees for election as Board-elected directors;



- (d) Review, monitor and make recommendations to the Board regarding new director orientation and the ongoing development of existing members of the Board;
- (e) Review as required, for Board approval, the Corporate Governance Manual outlining the policies and procedures by which the Board will operate and the terms of reference for the Board, the Board Chair, the President, directors and Board committees;
- (f) Assess the needs of the Board in terms of the frequency and location of Board and committee meetings, meeting agendas, discussion papers, reports and information, and the conduct of meetings and make recommendations to the Board as required;
- (g) Review the Corporation's structures and procedures to ensure the Board is able to, and in fact does, function independently of management;
- (h) Biennially implement an appropriate evaluation process for the Board, the Board Chair and Board committees and an individual director evaluation process;
- (i) Biennially review the By-laws of NAV CANADA and recommend changes to the Board;
- (j) Annually, in consultation with the Chair, review and recommend composition and Chairs of the various Board committees;
- (k) Annually recommend to the Board of Directors a Chair of the Board. In making each such recommendation, the Committee will ensure that the candidate shall have such skills and abilities that are appropriate to the appointment of the Chair, including: (i) exceptional business experience and acumen; (ii) held in high regard by their peers; (iii) an advanced understanding of NAV CANADA's values and strategic plans; and (iv) the respect and confidence of, and an effective and productive relationship with, each of the President and the Board;
- (l) Monitor and review with the Board and management the results of their review of NAV CANADA's compliance with the Conflict of Interest Guidelines and Code of Conduct for directors and officers;
- (m) Biennially review and make recommendations to the Board respecting directors' remuneration (fees, retainer and other amounts) and benefits to be provided or paid to directors and directors' and officers' insurance;
- (n) Prepare recommendations for the Board regarding any reports required or recommended on corporate governance (e.g. public reports required to meet Canadian Securities Administrators' guidelines);
- (o) Review and recommend revisions to its terms of reference to the Board;
- (p) Have authority to engage and compensate any outside advisor that it deems necessary to permit it to carry out its duties;
- (q) Conduct a portion of each meeting without management present; and
- (r) Have such other powers and duties as may be delegated to it by the Board from time to time.

#### **ACCOUNTABILITY**

The Committee shall report to the Board at each regular meeting all such action it has taken since the previous report.

#### **CORPORATE GOVERNANCE COMMITTEE TIMETABLE**

The major annual activities of the Committee are outlined in the Committee's Workplan.

## APPENDIX D

### TERMS OF REFERENCE FOR THE PRESIDENT & CEO

#### INTRODUCTION

The Company's Corporate Governance Policy Manual sets out the nature of the role of the President & CEO with specific reference to the By-laws of NAV CANADA. Given the broad statement of the powers of the office of the President & CEO, the Corporate Governance Committee, in conjunction with the Chair, has more specifically delineated the responsibilities of the President & CEO.

#### PRESIDENT & CEO RESPONSIBILITIES

The Board of Directors has ultimate accountability for the management of NAV CANADA. Critical to meeting this accountability is the relationship between the Board of Directors, management, Members and other stakeholders. The President & CEO is responsible for the customary duties of the president and chief executive officer of a corporation similar in size and operation to that of NAV CANADA and has ongoing responsibility for the accountability of management to the board of directors. In addition, the President & CEO, in concert with the Chair, is responsible for public interaction with respect to the affairs of NAV CANADA. The President & CEO shall liaise with the users of the ANS on major issues and shall adopt an ongoing consultative and resource role, internally, in respect of customer service charges, and a leading public role in the implementation of the same.

The President & CEO shall:

- (a) lead and manage NAV CANADA;
- (b) report to the board of directors;
- (c) keep the board of directors current on major developments, ensuring the board of directors has sufficient information to permit it to fully discuss potential issues and to make decisions;
- (d) recommend to the board of directors strategic directions for NAV CANADA's business and, when approved, successfully implement the corresponding strategic, business and operational plans;
- (e) direct and monitor the activities of NAV CANADA in a manner that strives towards the achievement of targets and ensures the assets of NAV CANADA are safeguarded and optimized in the best interests of NAV CANADA;
- (f) develop and implement operational policies to guide NAV CANADA within the limits prescribed by NAV CANADA's Articles of Continuance, By-Laws and other applicable laws, and the framework of the strategic directions adopted by the board of directors;
- (g) develop and recommend to the board of directors the overall corporate organization structure and staffing;
- (h) create, maintain and review with the board of directors an annual plan for the development and succession of management;
- (i) oversee the interfaces between NAV CANADA and the public;
- (j) meet regularly and as required with the board of directors to review material issues and to ensure that the board of directors is provided in a timely manner with all the information it requires to fulfil its statutory and other obligations;
- (k) provide the board of directors with exposure to the key management of NAV CANADA;

- (l) participate in and support international activities with respect to air navigation services including participation on the Boards of Directors of international air navigation services related associations and/or corporations; and
- (m) engage in public service as agreed with the board of directors in connection with NAV CANADA's charitable, educational and cultural activities.

## **APPENDIX E**

### **TERMS OF REFERENCE FOR COMMITTEE CHAIRS**

#### **CHAIR OF COMMITTEE RESPONSIBILITIES**

Chairs of Committee are selected by the full board of directors on the recommendation of the Corporate Governance Committee and the Chair of the Board. The roles and responsibilities of the Chairs of Board Committees include, but are not limited to:

- (a) ensuring that the work of the Committee is well organized and proceeds in a timely fashion;
- (b) in consultation with the Committee and management, determine the agenda, frequency and length of Committee meetings;
- (c) presiding at Committee meetings;
- (d) arranging for an alternate to chair a Committee meeting if he or she is absent from such meeting;
- (e) reporting to the full board of directors on all action taken by the Committee since its previous report to the board of directors;
- (f) reporting to the board of directors on matters arising which are determined important for full board of directors consideration.

## **APPENDIX F**

### **TERMS OF REFERENCE FOR THE HUMAN RESOURCES & COMPENSATION COMMITTEE**

#### **PURPOSE**

The purpose of the Human Resources & Compensation Committee (the “Committee”) is to assist the Board of Directors (the “Board”) in fulfilling its oversight role with respect to:

- (a) establishing the Company’s compensation philosophy and satisfying itself that the compensation structure and programs are consistent with its philosophy, strategy and prudent management of its operations and the risks to which it is exposed;
- (b) overseeing the hiring, promotion and compensation of the Officers of the Company (the “Officers”) and other Vice Presidents;
- (c) ensuring that an effective succession management program is in place;
- (d) ensuring there is an effective talent management strategy in place; and
- (e) ensuring other human resources and labour relations strategies, policies and programs are effective.

#### **COMPOSITION AND TERMS OF OFFICE**

The Committee shall consist of no more than six directors, at least two of whom shall be elected to the Board of Directors by Members other than the Union Member and one of whom shall be a Board-elected director. A majority of members of the Committee shall constitute a quorum.

The Committee shall meet not less than four times per year.

#### **DUTIES AND RESPONSIBILITIES**

The Board hereby delegates to the Committee the following powers and duties:

- (a) The Committee shall develop a NAV CANADA compensation philosophy and guidelines that are competitive and motivating, and that attract and retain all employees and management alike.
- (b) The Committee shall, on an annual basis, review the Company’s operating budget and assumptions with respect to employee costs prior to Board approval, and liaise with other committees as appropriate.
- (c) The Committee shall, on an ongoing basis as required, within the context of budgets and policies established by the Board, review the suitability of the Company’s labour negotiations strategy and give guidance as to overall costs.
- (d) The Committee shall review the design and recommend for approval by the Board, the benefits to be provided by the NAV CANADA Pension Plan and Supplemental Retirement Plans.
- (e) The Committee shall annually review certain relevant HR policies, including a Code of Conduct which shall be applicable to all employees, and when required, recommend changes for approval to the Board.

- (f) The Committee shall review submissions from the President & CEO (“President”) and recommend approval to the Board, for the recruitment, appointments or terminations of Officers. The Committee shall approve the remuneration for each new Officer, except the President.
- (g) The Committee shall evaluate the President’s performance. This evaluation will include:
- receipt from the President of his self-appraisal for the prior year’s performance, and goals and objectives to be approved by the Committee for the upcoming year;
  - the conduct of interviews with the President’s direct reports by the Chair of the Committee and the Chair of the Corporate Governance Committee;
  - an assessment of the President’s performance by all directors, consolidated by an outside or an internal Company resource;and
  - feedback to the President on all aspects of the evaluation.

A consolidated assessment reflecting the evaluation carried out by the Committee will then be forwarded and approval will be recommended to the Board.

- (h) The Committee shall review performance evaluations and approve annually, compensation, incentive payments, perquisites and benefits of the Officers other than the President. Following the completion of each annual evaluation of the President’s performance that is undertaken by the Committee, the Committee shall recommend approval to the Board of the compensation, incentive payments, perquisites and benefits of the President. Their review may include benchmarking analysis provided by an outside compensation expert.
- (i) The Committee shall review and update the design of the Executive Total Compensation Plan (base pay, Short-term Incentive and Long-term Incentive Plans, benefits, perquisites) biannually to ensure it is competitive in the marketplace and meets NAV CANADA’s compensation philosophy. On an as-needed basis, the Committee shall conduct an in-depth Executive Total Compensation Plan review, using an outside compensation expert.
- (j) The Committee shall have the authority to engage and compensate any outside advisor that it deems necessary to permit it to carry out its duties, including the selection and terms of reference of outside consultants retained to provide advice.
- (k) The Committee shall review and annually recommend to the Board the succession plan for Officers. The Committee shall also review and approve annually succession plans and career planning for all other management levels and ensure that appropriate succession management processes are in place for all such other management levels.
- (l) The Committee shall review and recommend updates to its terms of reference to the Board annually and provide the Members with access to such terms of reference.
- (m) The Committee shall review and recommend approval to the Board, executive compensation disclosure before public disclosure of the information.
- (n) The Committee shall review and approve those severance payments for non-unionized employees, as required by the Company’s Delegation of Financial Authorities.
- (o) The Committee shall regularly review the results of employee engagement surveys and management’s strategy to maintain and/or improve employee engagement.
- (p) The Committee shall report to the Board at the next Board meeting, all such action it has taken since its previous report to the Board. The minutes of all meetings of the Committee shall be available to all Directors.
- (q) The Committee shall review, on a quarterly basis, a report from Management containing status updates of HR based “whistleblowing” complaints, including the resolution of any follow-up actions.
- (r) The Committee shall also have such other powers and duties as may be delegated to it from time to time by the Board.

- (s) The Committee shall conduct a portion of each meeting without management present.
- (t) The Committee shall review on a regular basis the specific business risks under the Enterprise Wide Risk Management program assigned to it by the Board.
- (u) The Committee Chair shall liaise with other Committee Chairs as necessary to achieve the Committee's purpose and execute its duties and responsibilities.

## **APPENDIX G**

### **TERMS OF REFERENCE FOR THE AUDIT & FINANCE COMMITTEE**

#### **1. Purpose of the Audit & Finance Committee**

The Board of Directors (“Board”) is responsible for administering the business and affairs of NAV CANADA (the “Corporation”) and exercising all of the powers of the Corporation. In discharging that responsibility, the Board delegates certain matters and powers to the senior officers of the Corporation (“Management”) but retains authority to supervise the management of the business and affairs of the Corporation. The Board’s supervisory function involves Board oversight of all significant aspects of the management of the Corporation’s business and affairs including its financial reporting and disclosure obligations. The Board has tasked the Audit & Finance Committee (the “Committee”) to assist with its oversight of the financial reporting and disclosure obligations by overseeing the following:

- a) the Corporation’s financial reporting and disclosure processes;
- b) the external auditors’ qualifications, objectivity and independence;
- c) the performance of the Director, Internal Audit and the Corporation’s Internal Audit function;
- d) the Corporation’s Finance and Treasury functions; and
- e) other duties assigned by the Board.

#### **2. Establishment of the Committee**

The Board has established the Committee which complies with National Instrument 52-110 *Audit Committees* (the “Instrument”) of the Canadian Securities Administrators (“CSA”). The Committee is hereby empowered and required:

- a) to take all actions and make all inquiries which, in the opinion of the Board or the Committee, are necessary or desirable for the Committee to gain reasonable assurance as to whether the Corporation’s financial reporting obligations are being met by the Corporation; and
- b) to report to the Board the conclusions reached by the Committee.

#### **3. Composition of the Committee**

- A. The members of the Committee shall be appointed by the Board and, as required by the Corporation’s By-laws, shall consist of at least four, but not more than six, directors of the Corporation. Subject to the exemptions contained in the Instrument, each member of the Committee shall be “independent” and “financially literate”, as defined by the CSA with respect to Audit Committees. No officer of the Corporation or the Chair of the Board, may serve as a member of the Committee. The Board may remove any member of the Committee at any time.
- B. The Board shall appoint, and may remove, the Chair of the Committee from time to time.
- C. It is recognized that occasions may arise in which members of the Committee are in a position in which their duty to the Corporation actually conflicts or is perceived to conflict with their duty to



others. It is the responsibility of each member of the Committee and of the Committee as a whole to recognize and deal with such conflicts in a manner that provides the greatest assurance that the actions and decisions of the Committee are free from any conflict, whether perceived or real.

#### **4. Reliance on Management and Experts**

In contributing to the Committee's discharging of its duties under these terms of reference, each member of the Committee shall be entitled to rely in good faith upon:

- a) financial statements of the Corporation represented to him or her by one or more members of Management or in a written report of the external auditors to present fairly the financial condition of the Corporation; and
- b) any report of a lawyer, accountant, engineer, appraiser, actuary or other person whose profession lends credibility to a statement made by any such person.

#### **5. Operating Procedures**

- A. The Committee, in consultation with Management, the Director, Internal Audit and the external auditors, shall develop an annual Committee Work Plan that is responsive to the Committee's responsibilities set out in these terms of reference.
- B. In addition, the Committee, in consultation with Management, the Director, Internal Audit and the external auditors, shall develop and participate in a process for review of important financial topics that have the potential to impact the Corporation's accounting principles and policies and financial disclosure.
- C. To assist the Committee in discharging its responsibilities, the Committee may retain, in addition to the external auditors, at the expense of the Corporation, one or more persons having special expertise, including independent counsel and other advisors. The Committee shall be entitled to set and pay compensation for any advisors engaged by the Committee.
- D. The Committee shall meet four times annually, or more frequently as circumstances dictate. Meetings shall be held at the call of the Chair of the Committee, or upon the request of a member of the Committee or at the request of the external auditors.
- E. Seventy-two hours written notice of a meeting shall be given, other than by mail, to each Committee member and to the external auditor. If notice is given by mail, such notice shall be mailed at least 14 days prior to the meeting. No notice of a meeting of the Committee shall be required if all Committee members are present and waive notice, or if those absent have signified their consent to the meeting being held in their absence. No error or omission in giving notice of any meeting of the Committee or any adjourned meeting of the Committee (provided that such error or omission is not material) shall invalidate such meeting or make void any proceedings taken thereat and any Committee member may at any time waive notice of any such meeting and may ratify, approve and confirm any or all proceedings taken or had thereat.
- F. The Director, Internal Audit and the external auditors are entitled to attend each meeting of the Committee and be heard, and shall attend every meeting of the Committee if requested to do so by one of its members.

- G. A Committee member or the external auditors may participate in a meeting of the Committee by means of a telephonic, an electronic or other communications facility that permits all persons participating in the meeting to hear each other, and a person participating in such a meeting by such means is deemed to be present at the meeting.
- H. At any meeting of the Committee, a quorum shall be a majority of the members of the Committee.
- I. Each Committee member shall be entitled to exercise one vote on each motion at each meeting of the Committee. Except as expressly provided herein and unless otherwise expressly provided by the *Canada Not-for-profit Corporations Act*, at all meetings of the Committee every question shall be determined by a majority of votes cast at the meeting. A declaration by the Chair of the Committee that a resolution has been carried and an entry to that effect in the minutes shall be *prima facie* proof of the fact without proof of the number or proportion of the votes recorded in favour of or against such resolution.
- J. A resolution in writing, signed by all members of the Committee entitled to vote on that resolution at a meeting of the Committee, is as valid as if it had been passed at a meeting of the Committee.
- K. Unless the Committee otherwise specifies, the Secretary or Assistant Secretary of the Corporation shall act as Secretary of all meetings of the Committee.
- L. In the absence of the Chair at any meeting of the Committee, the members shall appoint one of their members to serve as acting Chair at the meeting.
- M. A copy of the minutes of each meeting of the Committee shall be provided to each member of the Committee and be available to each other director of the Corporation in a timely fashion.
- N. The Chair of the Committee shall report on the proceedings from each meeting of the Committee to the next-following regularly scheduled meeting of the Board.
- O. The Committee shall be entitled to communicate directly with the external auditors and the Director, Internal Audit and, at each meeting of the Committee, to meet in private with them, the Vice President & Chief Financial Officer (“CFO”) of the Corporation or such other parties as the Committee requests.

## **6. Duties and Responsibilities**

The Committee shall perform the functions customarily performed by an audit committee and any other functions assigned by the Board. The Committee’s oversight responsibility for the financial reporting and disclosure processes includes the following:

- i. to oversee Management in their efforts to establish and maintain internal control to provide reasonable assurance with regard to the reliability of financial reporting;
- ii. to oversee Management in their commitment to create a culture of honesty and ethical behaviour, including setting the proper tone and placing a strong emphasis on fraud prevention; and
- iii. at least biennially, oversee Management’s policies in respect to fraud and changes made to the Ethics Committee Charter.

In addition, the Committee shall have the following duties and responsibilities:

## A. Annual and Interim Financial Statements

For the purpose of gaining reasonable assurance as to whether the Corporation's financial statements for each interim financial quarter of the Corporation (the "Current Quarter") and each financial year of the Corporation (the "Current Year") present fairly, in all material respects, the financial position of the Corporation, the results of its operations and its cash flows in accordance with generally accepted accounting principles ("GAAP") as applicable to the Corporation and together with the interim Management's Discussion and Analysis ("MD&A") or year-end MD&A and Annual Information Form ("AIF") constitute a fair presentation of the Corporation's financial results and condition, before release to the public:

- a) review the Corporation's financial statements for the Current Quarter (the "Current Interim Statements") or Current Year (the "Current Annual Statements") with Management and the external auditors;
- b) review the reasonableness of material changes in accounting policies, estimates, accruals and reserves made since the end of the previous reporting period;
- c) review any unresolved items identified by the external auditors in preparing their review engagement report on the Current Interim Statements or identified during their audit of the Current Annual Statements and resolve any disagreements between Management and the external auditors regarding financial reporting;
- d) obtain a report, preferably in writing, from the external auditors, reflecting misstatements (whether corrected or uncorrected) identified during the performance of the review or audit engagements based on their materiality threshold;
- e) annually obtain a report from the external auditors, preferably in writing, on whether or in the course their audit of the Current Annual Statements, they became aware of any matters to be communicated to the Committee under generally accepted auditing standards or any other professional standards currently in place. This report will include, if relevant, any matters concerning accounting principles, policies or practices employed in preparing the Current Annual Statements and any change in reliance on internal control;
- f) obtain and review a copy of the representation letter provided by Management to the external auditors relating to the Current Interim Statements or Current Annual Statements;
- g) review with Management, the external auditors and the Corporation's legal counsel, material legal claims or other contingencies affecting the Corporation to gain reasonable assurance that all such claims and contingencies that could have a material effect upon the financial position or results of operations of the Corporation have been appropriately reflected in the Current Interim Statements or Current Annual Statements;
- h) on a quarterly basis, receive and review a report from Management's Disclosure Committee confirming compliance with the Corporation's Disclosure Policy and with its disclosure controls and procedures; and
- i) recommend approval of the Current Interim Statements or Current Annual Statements to the Board.

## B. Other Material Financial Information

For the purpose of gaining reasonable assurance as to whether material financial information concerning the Corporation is disseminated to the public in a timely manner and is accurate, complete and fairly presented:

- a) review with Management each annual and interim MD&A;
- b) review with Management all news releases and reports concerning the Corporation's annual or interim financial statements and subsequent news releases and reports that may have a material impact on such financial statements. In circumstances where events render it impractical to consult with the entire Committee prior to issuing such news releases or reports, authority to review and approve such news release or reports may be exercised by the Chair of the Committee or the Chair of the Board;
- c) review with Management all other core disclosure documents such as prospectuses, material change disclosures of a financial nature, AIFs, and related news releases; and
- d) recommend approval of the annual and each interim MD&A as well as all other core disclosure documents to the Board.

## C. Fair Presentation

For the purpose of gaining reasonable assurance as to whether the Corporation's financial statements for each financial year and for each interim financial quarter of the Corporation present fairly the financial position of the Corporation, the results of its operations and its cash flows and as to whether material financial information concerning the Corporation which is to be disseminated to the public is accurate, complete and fairly presented:

- a) review the competency requirements and review the competencies of all individuals serving in key financial reporting, treasury and internal control over financial reporting ("ICFR") roles;
- b) oversee the work of the external auditors in preparing or issuing an audit or other report in respect of the Corporation's financial statements or performing other audit, review or attest services for the Corporation;
- c) review the process relative to the quarterly certifications by the President & Chief Executive Officer ("CEO") and the CFO of the Corporation in respect of ICFR and disclosure controls and procedures ("DC&P"). On a quarterly basis receive and review a report from Management regarding:
  - i. the status of the work done to support the CEO and CFO certificates, including appropriate disclosure of conclusions in the Corporation's MD&A;
  - ii. the conclusions on design (and annually on the effectiveness) of ICFR and DC&P;
  - iii. the existence of any significant deficiencies or material weaknesses in the design or effectiveness of internal control that could adversely affect the Corporation's ability to record, process, summarize and report financial data; and

- iv. any significant changes in internal control or changes to the environment in which the internal controls operate, including corrections of previously reported significant deficiencies or material weaknesses;
- d) review and discuss the plans of the external auditors;
- e) receive timely reports from Management, the external auditors and the Director, Internal Audit on all indications or detection of significant fraud and the corrective activity undertaken in respect thereto;
- f) at least annually, receive a report from Management on the Corporation's fraud risk assessment; and
- g) review commentaries received from securities regulators pursuant to continuous disclosure reviews, if any, together with Management's responses.

#### D. External Auditors

The external auditors report directly to the Committee.

For the purpose of gaining reasonable assurance that the external auditors are objective and independent:

- a) obtain annually a written opinion of the external auditors that they are objective and independent within the meaning of the Rules of Professional Conduct of the Chartered Professional Accountants of Ontario;
- b) obtain annually a report of the external auditors regarding,
  - i. all fees paid by the Corporation or any affiliate of the Corporation to the external auditors or any affiliate of the external auditors in the last financial year of the Corporation ended prior to the date of such report, and
  - ii. all relationships of any kind that existed between the external auditors or any affiliate of the external auditors and the Corporation or any affiliate of the Corporation;
- c) in advance of the external auditors' commencement of each audit of the Corporation's financial statements, review with the external auditors their approach to risk assessment, the proposed scope of the audit, the proposed areas of special emphasis to be addressed in the audit and the materiality levels that the external auditors propose to employ;
- d) inquire whether Management has placed restrictions on the scope or extent of the external auditors' audit examinations or the external auditors' reporting of their findings to the Committee;
- e) engage in an open and frank discussion with the external auditors on any matter that may have a significant effect on the understandability, relevance, reliability and comparability of the annual and interim financial statements; and

As part of the Committee's assessment of the external auditors:

- a) annually undertake a review of the external auditors' performance; and

- b) annually inquire of the external auditors regarding the existence of any material issues raised in the most recent reviews carried out by the Canadian Public Accountability Board that would have a material effect on the ability of the external auditors to provide quality audit services

#### E. Internal Auditor

To maintain independence, the Director, Internal Audit reports functionally to the Committee and administratively to the CEO.

To obtain reasonable assurance with respect to the work performed by the internal audit function, the Committee will:

- a) review and approve the Internal Audit Charter on an annual basis;
- b) review and provide input into the internal audit activity's strategic plan, objectives, performance measures and outcomes;
- c) review and discuss with the Director, Internal Audit their approach to using the risk assessment to develop the 12-month rolling internal audit plan and 24-month outlook;
- d) review and approve the proposed risk-based 12-month rolling internal audit plan and subsequent 24-month outlook;
- e) review and approve the annual budget and staff complement;
- f) review internal audit's performance relative to its audit plan;
- g) review the recommendations arising from the internal audits and special projects. Review the adequacy and appropriateness of Management's responses to recommendations made by the internal auditors, including the remediation timetable thereof;
- h) review, approve and report to the Board together with the CEO on the appointment, reassignment or dismissal of the Director, Internal Audit;
- i) review and approve the competency requirements and evaluate the competencies of the Director, Internal Audit; and
- j) the Chair of the Committee together with the CEO will review the annual performance evaluation and salary recommendation for the Director, Internal Audit.

#### F. Finance and Treasury

For the purpose of overseeing the Finance and Treasury functions:

- a) review and discuss the quarterly Treasury Report including updates on debt covenant compliance, forecast liquidity and credit facility usage, discussions with credit rating agencies, reports by bond or debt market analysts, reserve fund and cash equivalent investments, and any other treasury matters that may arise;
- b) review and recommend to the Board financing transactions proposed by Management, as applicable, pursuant to the Treasury Policy;

- c) review and recommend to the Board interest rate hedging strategies presented as part of the annual budgeting process or separately to the Committee;
- d) review the Treasury Policy on an annual basis and recommend any changes for approval by the Board; and
- e) review at least annually the adequacy of capital and liquidity including reserve funds.

#### G. Other Duties and Responsibilities

The Committee shall:

- a) recommend to the Board a firm of public accountants that is a participating audit firm in the Canadian Public Accountability Board, to be nominated for appointment as the external auditors;
- b) recommend to the Board the compensation of the external auditors for the conduct of the annual audit, and in accordance with and subject to the applicable terms of the Instrument, grant pre-approval of all Management recommended fee estimates for permissible non-audit services (as that term is defined by the CSA) to be provided to the Corporation or its subsidiaries by the external auditors;
- c) review and approve, at least biennially, the Corporation's hiring policies regarding partners, employees and former partners and employees of the present and any former external auditors of the Corporation in accordance with the applicable terms of the Instrument;
- d) review annually the external audit partner rotation plans;
- e) review the status of "whistle blowing" complaints on a quarterly basis, including the resolution of any follow-up actions, and at least biennially review and suggest appropriate changes, if any, to the Corporation's "whistle blowing" procedures for:
  - i. the receipt, retention and treatment of complaints received by the Corporation regarding accounting, internal accounting controls or auditing matters including feedback on closure of these items, and
  - ii. the confidential, anonymous submission by employees of the Corporation of concerns regarding questionable accounting or auditing matters;
- f) review annually the expenses of the Chair of the Board for the purpose of gaining reasonable assurance as to the reasonableness of such expenses;
- g) obtain quarterly certificates from Management as to the Corporation's compliance with laws and regulations governing payroll withholdings, tax remittances and similar filings, workers compensation premiums and other such similar withholding obligations, and Management's compliance with the Corporation's Anti-Corruption Policy and the Code of Business Conduct;
- h) review and approve, at least biennially, any changes to the Corporation's Disclosure Policy and the composition of Management's Disclosure Committee;

- i) monitor and review Management’s cyber security maturity and performance reports on a quarterly basis related to business systems, receive a report from the Vice President, Chief Technology and Information Officer on a semi-annual basis and receive a cyber security maturity assessment conducted by a third party on a biennial basis or as agreed by the Committee;
- j) review and discuss emerging accounting principles and issues, and new securities regulations that are applicable to the Corporation;
- k) ensure that orientation is provided to new Committee members and that continuing education is provided for all Committee members on the business, accounting developments and other matters relevant to their responsibilities as Committee members;
- l) review annually the Delegation of Financial Authorities (“DFA”) for appropriateness and recommend any changes for approval to the Board;
- m) in accordance with the DFA, review with Management, as required, the financial statements of corporate entities to which financial support has been provided by the Corporation;
- n) review the Corporation’s Credit Terms and Conditions on an annual basis and recommend any changes for approval to the Board;
- o) review the financial implications and key financial assumptions reflected within the Company’s Operating and Capital Budget prior to finalization and presentation to the Board for approval;
- p) at least annually, review the provisions of these terms of reference for the purpose of recommending to the Board changes needed to meet new legislative or regulatory requirements to incorporate evolving best practices for audit committees or any other changes that are required;
- q) at least annually, formally assess the effectiveness of the Committee in discharging its responsibilities, and report there on to the Board; and
- r) annually confirm that all responsibilities outlined in these terms of reference have been carried out.



**APPENDIX H**

**2022 STATEMENT OF EXECUTIVE COMPENSATION  
FORM 51-102F6  
Year Ended August 31, 2022**

**October 20, 2022**

## COMPENSATION DISCUSSION & ANALYSIS

The following Compensation Discussion & Analysis (CD&A) sets out the compensation philosophy and elements of executive compensation for the executive officers of NAV CANADA (also referred to herein as we, our, us or the Company), as well as the actual compensation paid to the Company's President & Chief Executive Officer (CEO), the Vice President & Chief Financial Officer (CFO), the former Vice President & CFO, and each of the Company's three other most highly compensated executive officers serving in such capacity as at August 31, 2022 (collectively, the Named Executive Officers). During fiscal 2022, Alexander N. Struthers, our former Vice President & CFO, retired from the Company and Donna Mathieu became the Vice President & CFO effective January 13, 2022. For the purposes of this CD&A, executive officers include the following positions: the President & CEO and the other executive officers set out in the table under the section entitled "Executive Officers" in the AIF (collectively, the Executive Officers).

Human Resources is sometimes referred to in this CD&A as "HR". Capitalized terms not defined in this CD&A are defined elsewhere in the AIF.

Except as otherwise indicated, all dollar amounts in this CD&A are expressed in Canadian dollars and references to \$ are to Canadian dollars.

### Report of the Human Resources & Compensation Committee

The Human Resources & Compensation Committee (the Committee) of the Board of Directors of the Company (the Board), which is composed entirely of independent directors, has been delegated responsibility from the Board for the development of a compensation philosophy, including the review and approval of the executive compensation program to ensure it is competitive in the marketplace and supports the Company's executive compensation philosophy.

#### **Skills and Experience of Committee Members**

Members of the Committee are Bonnie DuPont (Chair), Edward Barrett, Mary-Ann Bell, Marc Grégoire, Kevin Howlett and Michelle Savoy and each has experience with human resources issues and compensation policies.

*Bonnie DuPont* (Chair) is retired from Enbridge Inc. where she served for 12 years as the senior executive responsible for information technology, human resources, public and government affairs, corporate governance matters, and corporate social responsibility (CSR). She holds a Bachelor's degree (Great Distinction) from the University of Regina and earned her Master's degree at the University of Calgary. She is a Fellow of the Institute of Corporate Directors (ICD), and a 2006 graduate of the ICD Corporate Directors' Education Program. She is currently on the board of Bird Construction, a Toronto Stock Exchange (TSX) listed company and chairs its Human Resources and Governance Committee and is a member of its Health, Safety and Environment Committee. She served as the Chair of the board of governors of the University of Calgary for four years, after having chaired its Human Resources and Governance Committee for four years. In addition, she was the chair of the Human Resources and Compensation Committee for the six years during which she was on the board of the Bank of Canada, and she served on the board of SilverWillow Energy, a former TSX-Venture Exchange listed company, where she chaired the Governance and Compensation Committee. Ms. DuPont has lectured in the Directors' Education Program, specializing on the Management of Human Capital and Succession Planning. She also provides executive coaching services to several large Canadian organizations. Ms. DuPont has been a member of the Committee since February 2013.

*Edward Barrett* is Co-CEO and Chair of Barrett Corporation, a business with operations throughout Canada and the U.S. in the telecommunications, wholesale distribution, and refrigeration business sectors. As Co-CEO of Barrett Corporation, he has responsibilities for all aspects of senior management performance review and compensation. Mr. Barrett previously served as the Chair of NB Power, the New Brunswick provincial utility, for approximately ten years. In that capacity he had direct oversight, together with the HR Committee Chair, of annual CEO performance assessment, compensation, and development of goals and objectives. Prior to becoming Chair of the NB Power board, he was Chair of its HR Committee. In addition, Mr. Barrett is the Chair of the board of Wajax Corporation, a TSX listed company, and has served for twelve years on its HR Committee which has responsibility for CEO and senior management compensation, short, mid-term and long-term compensation plans/incentives and all aspects of performance review. He also previously served on the HR and Governance Committee of Medavie Blue Cross and is a Fellow of the ICD. Mr. Barrett joined the Committee in January 2015.

*Mary-Ann Bell* retired from Bell Aliant in 2014. She served as an operational executive on the Bell Aliant and Bell Canada team for more than ten years. Ms. Bell was responsible for large functions such as the Bell Canada Customer Service team, which included more than 10,000 employees. During her career at Bell she led successful collective agreement negotiations and was involved with performance management and compensation decisions. Ms. Bell currently serves on the boards of the Institute for Governance of Private and Public Organizations (IGOPP), SNC-Lavalin Group Inc., mdf commerce inc. and Cogeco, where she also serves on its Human Resources Committee. Ms. Bell served on the Cominar Real Estate Investment Trust (Cominar) board from November 2012 to May 2018. She was a member of the Compensation Committee of the Cominar board from May 2013 and served as its Chair from August 2016 to May 2018. In addition, Ms. Bell was the Chair of the board of the Québec University INRS for five years and served as a director on this board for another year. She holds an industrial engineering degree, a Masters in Science and has attended various leadership/management training sessions that included HR curriculums. She is an ICD.D member and has obtained a Director certification from College des administrateurs in 2008. Ms. Bell joined the Committee in January 2015.

*Marc Grégoire* has extensive experience in the aviation industry, having spent 27 years at Transport Canada in various leadership roles, including as Assistant Deputy Minister, Safety and Security. Mr. Grégoire became Commissioner of the Canadian Coast Guard, Fisheries and Oceans in 2010 until his retirement from the Public Service in December 2014. As Commissioner, he managed a budget of over \$600 million and an organization of approximately 5,000 employees. During his tenure in the Public Service, he was involved with performance management, employee development, succession planning, labour relations and compensation issues for senior management and staff. Mr. Grégoire joined the Committee in January 2021.

*Kevin Howlett* retired after more than 45 years in the aviation industry, the vast majority of it with Air Canada. Most recently at Air Canada, he served as the Senior Vice President, Regional Markets & Government Relations and, prior thereto, the Senior Vice President, Employee Relations. Mr. Howlett has years of experience in all areas of human resources management. During his tenure as Senior Vice President, Employee Relations he was responsible for the human resource and labour relations functions at Air Canada, including strategic support to the business units, organizational alignment and strategy, talent management, recruitment programs, employee and occupational health services, employee development and total rewards, including pensions and benefits. Mr. Howlett is a holder of each of the Chartered Professionals in Human Resources (CPHR) and the ICD.D designations. He is the current Chair of CPHR British Columbia and Yukon and also sits on the national board of CPHR. He also currently serves on the board of the Vancouver Airport Authority and is a member of its HR & Compensation Committee. He also previously served on each of the board and HR & Compensation Committee of the Greater Vancouver Board of Trade. Mr. Howlett joined the Committee in January 2021.

*Michelle Savoy* is a corporate director. In addition to serving as a director of the Company (Chair of the Corporate Governance Committee and member of the Committee and Pension Committee), she also currently serves as a director of Laurentian Bank of Canada (member of Audit and HR & Governance Committees) and Pizza Pizza Royalty Corp. She is a former director of the Ontario Public Service Pension Board (member of the Audit and Investment Committees). Ms. Savoy is also Vice-Chair of the Investment Committee of the University Health Network (UHN) Foundation. Until 2011, she was President of Capital Guardian Canada, a subsidiary of The Capital Group of Companies, a private global investment management organization. During her 27 years in financial services, she held numerous senior global executive leadership roles in the investment management and capital markets industries with responsibilities in strategic planning, marketing, client relationship management, business development and digital transformation. Ms. Savoy holds a Bachelor of Business Administration from University of Ottawa and is a holder of the ICD.D designation. Ms. Savoy joined the Committee in January 2021.

## Risk Oversight

The Committee reviews and approves the Company's executive compensation policies and takes into account associated risks. As described below, the Company's executive compensation program is straightforward and consists of five elements: base salary, annual cash incentive, long-term cash incentive, pension plan, benefits and perquisites. The Committee believes that the executive compensation philosophy, reflecting the balance in the Company's Shared Purpose (set out below), does not encourage Executive Officers to expose the Company to excessive or inappropriate risks.

Certain elements of the executive compensation program are in place to mitigate risk, such as:

- an appropriate balance between fixed and variable pay, and long-term and annual incentives;
- no guaranteed minimum incentive payouts; and
- a significant portion of each Executive Officer's compensation is "at risk" either through the annual cash incentive or the long-term cash incentive.

As set out in its Terms of Reference (**Appendix F of the Company's Annual Information Form**), the Committee annually reviews the total compensation program for Executive Officers and ensures that the design and application of the total compensation program has a clear link between pay and performance and does not encourage excessive risk taking by Executive Officers. The Committee conducts biennial Executive Total Compensation Program reviews, retaining outside compensation experts for assistance when necessary.

The Committee believes that executive base salaries (the fixed compensation element) are sufficient and paid at approximately the median of comparator companies.

The Committee believes that the variable compensation elements (annual and long-term cash incentives) of the total executive compensation program represent a sufficient percentage of overall compensation to motivate Executive Officers to achieve short and long-term corporate goals. The annual and long-term cash incentives contain specific performance goals with minimum and maximum thresholds. Actual results are measured against pre-approved goals and objectives and are linked to the Company's performance against its Shared Purpose. In addition, the annual and long-term cash incentive programs are designed such that each program provides a balance against the other, thus minimizing risks associated with the achievement of any one goal at the expense of others. This is achieved by establishing corporate cost management, safety plan and strategic plan goals, as well as functional goals in the short-term plan, with complementary financial, safety and productivity goals in the long-term plan, as described below.

In aid of its risk management, the Committee ensures that the corporate cost management award portion of the annual incentive plan is based on year-end audited financial statements. A review of certain parameters of the annual and long-term incentive awards is conducted by the Company’s Director, Internal Audit. The Committee has not identified any risks that might arise from the Company’s executive compensation program that are reasonably likely to have a material adverse effect on the Company.

### Compensation Consultants

As part of its regular review of the executive compensation program, the Committee uses outside compensation experts as a resource when necessary. The Committee began engaging the services of the Southlea Group in fiscal 2022 to evaluate the market competitiveness of its total executive compensation, including base salaries, annual incentives, long-term incentives, pensions, benefits and perquisites. The Committee previously engaged Willis Towers Watson for these services. The decisions of the Committee are its own and may reflect factors other than the information and recommendations provided by the Southlea Group and Willis Towers Watson.

The Company also engages Willis Towers Watson for actuarial services. The actuarial services provided by Willis Towers Watson do not present any conflicts with the services provided as compensation advisor to the Committee.

The Committee is not required to pre-approve services, other than services related to executive compensation, provided by the Southlea Group, Willis Towers Watson or their respective affiliates.

The table below sets out the fees billed by the Southlea Group and Willis Towers Watson for each of the last two fiscal years in respect of the services noted below.

Advisor	Fiscal Year	Executive Compensation Related Fees	All Other Fees
Southlea Group	2022	\$17,000	\$8,000 <sup>(1)</sup>
	2021	\$0	\$0
Willis Towers Watson	2022	\$34,698	\$921,591 <sup>(2)</sup>
	2021	\$50,830.24	\$807,332 <sup>(3)</sup>

<sup>(1)</sup> Consists of fees paid for consulting advice related to the market competitiveness of the Company’s total director compensation.

<sup>(2)</sup> Includes fees paid for other matters such as consulting advice in respect of pension matters and benchmarking, and actuarial valuations. Of this total, \$351,652 was paid by the NAV CANADA Pension Plan (NCP).

<sup>(3)</sup> Includes fees paid for other matters such as consulting advice in respect of pension matters and benchmarking, and actuarial valuations. Of this total, \$372,897 was paid by the NCP.

### Executive Compensation Philosophy

The Company’s executive compensation program is designed to support the Company’s executive compensation philosophy and accomplish the following objectives:

- attract and retain qualified, committed and experienced Executive Officers;
- reward Executive Officers for their contribution to the overall success of the Company and for achievement of planned business and financial objectives within their own area of

- responsibility;
- implement a compensation program where variable pay is cost-efficient;
- compensate Executive Officers based on the market value of the type of job they perform, generally at the median of market value;
- support the Company's Shared Purpose (set out below); and
- properly manage and balance opportunities and risks facing the Company.

## **SHARED PURPOSE**

Keeping Canada's skies safe: Shaping the future of air navigation services.

The Company's Shared Purpose is supported by four pillars:

- (1) Safety is at the core – It is integral to everything we do and continues to mature as the industry evolves.
- (2) Innovation is key – We are passionate about modernizing Canada's air navigation system to deliver value to our customers.
- (3) Expertise is the cornerstone – The skill, agility, leadership and collaboration of our people make the difference.
- (4) Partnerships are essential – Our partnerships help the aviation industry improve efficiency and support an environmentally sustainable future.

## **Key Elements of Executive Compensation**

The executive compensation program at NAV CANADA consists of the following elements (referred to as the total compensation program):

- base salary;
- annual cash incentive;
- long-term cash incentive;
- pension plan; and
- benefits and perquisites.

The compensation of Executive Officers, other than the President & CEO, is recommended by the President & CEO and reviewed and approved by the Committee. The compensation of the President & CEO is recommended by the Committee and reviewed and approved by the Board.

### **Base Salaries**

Base salaries for all Executive Officers, including that of the President & CEO, are designed to be competitive and are determined on the basis of outside market data as well as individual performance, responsibilities and experience level. All Executive Officers receive base salaries. Base salaries are reviewed annually by the Committee.

In response to the COVID-19 pandemic, the Executive Officers volunteered to reduce their base salaries indefinitely effective April 2, 2020. This reduction, which was approved by the Committee, consisted of a 10% reduction to the base salary of the past President & CEO, a 20% reduction to the base salary for the

current President & CEO and a 5% to 17% reduction to the base salaries of each of the other remaining Executive Officers (Executive Salary Reduction Program). However, their pension and benefits were based on compensation prior to these reductions. The Committee approved the discontinuance of the temporary Executive Salary Reduction Program effective January 1, 2022.

**Comparator Companies**

In setting total compensation for Executive Officers, the Committee reviews market compensation data for comparable positions at peer companies suggested by the Committee’s external executive compensation advisors and approved by the Committee. A market study was not completed in fiscal 2022, however, a full market study will be completed in fiscal 2023. Results of this study will be reported in next year’s AIF.

The following peer groups were used to review the competitiveness of the Company’s executive compensation in previous years, including fiscal 2022:

Corporate Functions Peer Group: The Corporate Functions Peer Group includes twenty-eight Canadian companies who participate in the Willis Towers Watson General Industry Executive compensation survey who operate in a broad selection of industries with 1/3 to 3x the Company’s revenue and greater than 500 employees. This peer group was constructed to ensure that it was comprised of no more than 33% publicly traded organizations, 10% wholly owned subsidiaries, approximately 10% government organizations and approximately 20% of organizations in any one industry.

<b>Corporate Functions Peer Group</b>		
Canadian Western Bank	Capital Power Corporation	Cineplex Inc.
Cogeco Inc.	Corix Group of Companies	Economical Mutual Insurance Company
Element Fleet Management	ENMAX Corporation	EPCOR Utilities Inc.
Equitable Bank	Equitable Life of Canada	Énergir Inc.
GE Aviation Canada	Graham Management Services	Greater Toronto Airport Authority
Husky Injection Molding Systems Ltd.	Laurentian Bank of Canada	Ledcor Group of Companies
Maxar Technologies Inc.	MCAP Financial Corporation	Moneris Solutions Corp.
Nova Scotia Power	Purolator Inc.	Samuel, Son and Co.
Seaspan ULC	The Co-operators Group Limited	TMX Group Limited
Toronto Hydro Electric		

Service Delivery Peer Group: The Service Delivery Peer Group includes twenty-eight Canadian organizations comprised of the Corporate Functions peer group with organizations that do not operate in industries directly comparable to the Company being removed and supplemented with larger organizations (in terms of revenue) that operate in directly related industries where the Company may source talent, level matched to roles within the Company. The roles matched to the Service Delivery Peer Group include the Vice President, Chief Technology & Information Officer and the Vice President and Chief of Operations.

<b>Service Delivery Peer Group</b>		
Air Canada	Bombardier Aerospace	Bombardier Transportation Canada
Bruce Power LP	Canadian National Railway	Canadian Pacific Railway Ltd.
Capital Power Corporation	Cogeco Inc.	Corix Group of Companies
Element Fleet Management	ENMAX Corporation	EPCOR Utilities Inc.
Federal Express Canada Ltd.	Ford Motor Company of Canada, Limited	FortisAlberta Inc.
GE Aviation Canada	General Dynamics Land Systems-Canada	Greater Toronto Airport Authority
Maxar Technologies Inc.	NB Power	Nissan Canada Inc.
Nova Scotia Power	Ontario Power Generation	Purolator Inc.
Seaspan ULC	Toronto Hydro Corporation	UAP Inc.
United Technologies Corporation Canada		

### **Annual Incentive Plan**

The Company provides an Executive Management Annual Incentive Plan (the Plan) which is administered by the Committee. Participants in the Plan are those officers occupying executive management positions (President & CEO and the Vice Presidents). The Vice President, Chief Investment Officer & Treasurer had a different annual incentive as described below under “Annual Incentive Paid to Vice President, Chief Investment Officer & Treasurer” and was not covered under the Plan.

The purpose of the Plan is to provide an incentive to the executive management team to achieve and exceed the Company’s short-term strategic objectives.

The following terms used in this section have the following meanings:

“*Key Performance Area (KPA)*” means one of the Plan’s three corporate performance areas: KPA 1 – Safety Plan, KPA 2 - Strategic Plan and KPA 3 – Net Cashflow.

“*Key Performance Indicator (KPI)*” means the performance measure(s) used to evaluate the success of a particular corporate KPA or functional goal.

“*KPI Maximum*” means the level of performance required to award the maximum payout for a particular KPI.

“*KPI Target*” means the level of performance required to award the target (100%) payout for a particular KPI.

“*KPI Threshold*” means the level of performance required to award any payout for a particular KPI.

“*Net Cashflow*” means net amount of cash and cash equivalents from operations and capital expenditures.

Participants are eligible to earn an award according to their position and performance levels. For fully meeting performance goals, participants in the Plan are eligible to earn an annual incentive corresponding to their target award. For exceeding the performance goals, participants are eligible to earn an annual incentive up to their maximum award. Annual incentives are payable in cash within 90 days following the end of each fiscal year. No incentives are earned for performance below the KPI Threshold. If a participant’s



employment is terminated for cause by the Company, or if the participant resigns voluntarily, other than by retirement pursuant to the Company’s retirement policy, no incentive is paid for the year in which the termination or resignation takes place, unless otherwise decided by the Company.

The following table sets forth the incentive entitlement of a participant in the Plan.

Position	Incentive Entitlements (as a % of base salary)	
	Target Award	Maximum Award
President & CEO	65.0%	97.5%
Vice Presidents – VP3	50.0%	75.0%
Vice Presidents – VP2	35.0%	52.5%
Vice Presidents – VP1	30.0%	45.0%

#### Determination of Performance Goals

The Plan has two categories of performance goals, which are defined at the beginning of each fiscal year.

- (1) Corporate goal(s) derived from:
  - (i) KPA 1 – Safety Plan: completion of the initiatives within the Company’s annual Safety Plan;
  - (ii) KPA 2 - Strategic Plan: completion of the goals for the initiatives within the Company’s annual Strategic Plan; and
  - (iii) KPA 3 - Net Cashflow: advancing the goal to manage cash flow to create value for stakeholders.
- (2) Functional goal(s) related to the responsibilities of each major function of the Company (such as safety, operations, human resources, technology, finance, etc.) and which are supportive of the Company’s annual strategic plan and shared purpose. Examples of functional goals might include improvement of operational efficiency and safety, increases in employee productivity and engagement, successful implementation of new technology, or maintenance of the Company’s credit ratings.

The corporate and functional goals are to be measurable and quantifiable (for example in terms of dollars, timing, efficiency ratio, etc.). Weightings are assigned to each category of performance goal depending on the participants’ positions, as set out below:

Goals category		President and Chief Executive Officer		Vice-Presidents	
Corporate	- Net Cashflow		40%		40%
	- Safety Plan	70%	10%	70%	10%
	- Strategic Plan		20%		20%
Functional		30%		30%	

Corporate Goals and Parameters

**KPA 1: Safety Plan**

KPI 1: Percentage completion of the safety initiatives within the Company's annual Safety Plan weighted by priority level (High 65%; Medium 30%; Low 5%).

	Performance	Payout
KPI Threshold	80%	80%
KPI Target	90%	100%
KPI Maximum	100%	150%

- a) No award will be achieved if less than 80% of the safety initiatives, as set out in the Company's annual Safety Plan weighted by priority level, are successfully completed by fiscal year end.
- b) 80% of the Target Award will be achieved if 80% of the safety initiatives, as set out in the Company's annual Safety Plan weighted by priority level, are successfully completed by fiscal year end.
- c) 100% of the Target Award will be achieved if 90% of the safety initiatives, as set out in the Company's annual Safety Plan weighted by priority level, are successfully completed by fiscal year end.
- d) A further award equal to 50% of c) will be achieved if 100% of the safety initiatives, as set out in the Company's annual Safety Plan weighted by priority level, are successfully completed by fiscal year end.

KPA 2: Strategic Plan

KPI 2: Percentage completion of the strategic initiatives within the Company’s annual Strategic Plan. The percentage completion of the Company’s annual Strategic Plan will be measured by the calculated percentage of initiatives considered “completed” or “partially completed” at year-end.

	<b>Performance</b>	<b>Payout</b>
KPI Threshold	80%	80%
KPI Target	90%	100%
KPI Maximum	100%	150%

- a) No award will be achieved if less than 80% of the initiatives within the Company’s annual Strategic Plan are successfully completed by fiscal year-end.
- b) 80% of the Target Award will be achieved if 80% of the initiatives within the Company’s annual Strategic Plan are successfully completed by fiscal year-end.
- c) 100% of the Target Award will be achieved if 90% of the initiatives within the Company’s annual Strategic Plan are successfully completed by fiscal year-end.
- d) A further award equal to 50% of c) will be achieved if 100% of the initiatives within the Company’s annual Strategic Plan are successfully completed by fiscal year-end.

KPA 3: Net Cashflow

KPI 3: Net Cashflow for the year.

	<b>Performance</b>	<b>Payout</b>
KPI Threshold	Negative \$89M	50%
KPI Target	Breakeven	100%
KPI Maximum	Positive \$50M	150%

- a) No award will be achieved if the fiscal 2022 Net Cashflow is less than negative \$89 million.
- b) 50% of the Target Award will be achieved if the fiscal 2022 Net Cashflow equals negative \$89 million.
- c) 100% of the Target Award will be achieved if the fiscal 2022 Net Cashflow equals breakeven.
- d) A further award equal to 50% of c) will be achieved if the fiscal 2022 Net Cashflow equals positive \$50 million.

Functional Goals and Parameters

KPI: Performance levels for functional goals as measured by percentage of maximum payout.

	<b>Performance</b>	<b>Payout</b>
KPI Threshold	*	50%
KPI Target	*	100%
KPI Maximum	*	150%

\* Performance levels for functional goals are approved on an annual basis by the President & CEO for participants other than himself, taking into account the actual performance of any participant as against their predetermined annual goals and objectives and other relevant factors where the participant has impacted the ability of the Company to achieve its overall corporate objectives. The Committee approves the annual functional goals for the President & CEO and determines his functional goal performance.

The Committee has the right to increase or decrease total incentive awards payable to take into account, in whole or in part, occurrences when the Plan does not produce intended results when considering factors like KPIs and the business environment in which the performance was achieved.

***Annual Incentive Paid to Vice President, Chief Investment Officer & Treasurer***

In lieu of participation in the annual incentive plan for other Executive Officers, the Vice President, Chief Investment Officer & Treasurer received an annual incentive based upon the achievement of annual performance goals related to the design and implementation of the strategic investment plan, other strategic objectives, interfacing with the Pension Committee, and people management and succession planning. For fully meeting performance goals, the Vice President, Chief Investment Officer & Treasurer was entitled to earn an annual incentive according to her target bonus, which is 40% of base salary. For exceeding performance goals, the Vice President, Chief Investment Officer & Treasurer was entitled to earn an annual incentive according to her maximum bonus, which is 60% of base salary. No incentive was earned for a performance below the expected threshold.

The position of Vice President, Chief Investment Officer & Treasurer no longer exists as the executive that previously held this position was appointed Vice President and Chief Financial Officer effective January 13, 2022. Since then, this executive participates in the Plan with the other Executive Officers of the Company.

***Functional Goals***

*President & CEO* - As President & CEO, Mr. Bohn is responsible for managing the affairs of the Company. During fiscal 2022, his functional objectives included, among other things, (1) improving strategy management by (i) building stakeholder understanding around the organization’s shared purpose and strategic direction, (ii) communicating strategy throughout the organization and linking it to departmental and individual objectives and (iii) integrating business and financial plans towards achievement of long-term strategic objectives; (2) building the foundation to enhance Company culture; and (3) improving leadership management practices.

*Vice President & CFO* - As CFO, Ms. Mathieu has responsibility for management of the financial risks of the Company and for the oversight of its pension plans. Areas of responsibility include financial strategy and operations, forecasting, planning and analysis, cash collections and payments, financial reporting, internal controls, treasury and relations with investors, credit rating agencies and lenders. Ms. Mathieu was appointed CFO effective January 13, 2022, following the retirement of Mr. Struthers from the Company. During the period in fiscal 2022 in which Ms. Mathieu was CFO, her functional objectives included, among other things, ensuring that the Company had sufficient funds to support its operating and capital requirements, implementing financial planning process improvements, monitoring and assessing the Company's performance and spending against its operating and capital budgets, and recommending a medium-term debt and rate strategy in support of the Company's continued prudent management of its financial risks and balanced approach to rate setting.

*Vice President, Chief Investment Officer & Treasurer* – Prior to Ms. Mathieu's appointment as CFO, she held the position of Vice President, Chief Investment Officer & Treasurer up until January 12, 2022. In this position, Ms. Mathieu's functional objectives in fiscal 2022 included, among other things, to reduce the Company's liquidity risk and manage relationships with credit rating agencies and lenders and to reduce overall pension funding risk by implementing liquidity management and investment strategies that would improve the return to risk profile of the pension plans' assets.

*Vice President, Chief Technology & Information Officer* - Mr. Cooper has overall responsibility for the design, development, configuration, installation and maintenance of all technology used by NAV CANADA. Mr. Cooper also has responsibility for NAVCANatm, which is the international sales division of NAV CANADA, and the Construction and Facilities management organisation. In fiscal 2022, Mr. Cooper's objectives included the introduction of innovative technology within Canadian airspace and at the four major airports, the implementation of the digital towers, the cyber security of all operational systems, and developing the operational systems technology strategy and supporting product roadmaps.

*Vice President, Chief Legal Officer & Corporate Secretary* – Ms. Kirby has responsibility for all legal and corporate service functions at NAV CANADA, including procurement, insurance, real estate, security, the corporate secretary office, records, government and stakeholder relations and customer service. In fiscal 2022, Ms. Kirby's functional objectives related to advice and counsel on legal and governance issues to the Company, onboarding of a new director, management of the results and costs relating to the Company's legal affairs, litigation and certain transactions, including the sale of the Company's interest in the NAV Centre facility located in Cornwall Ontario and in Searidge Technologies Inc., expense reductions and productivity results in her area of responsibility.

*Vice President & Chief of Operations* - Mr. Girard has overall responsibility for the delivery of ATS services provided by all operational units across the country. In addition, he leads the development and implementation of programs, procedures and practices including ATS Standards, Flight Operations and Aeronautical Information Management (AIM), ensuring that business initiatives are aligned with the corporate objectives and integrated to deliver value to NAV CANADA's customers. In fiscal 2022, Mr. Girard's objectives included the development of the airspace modernization strategy, the implementation of ADS-B services using the space-based ADS-B technology in Low Level specialties, development of an AIM modernization strategy to better align with ICAO and customer current and future requirements, increasing operational commonality with the publication of a Manual of Equipment (MANEQ), implementing a Fatigue Management System, and the overall maintenance of safety of the Company's operations.

### **Long-Term Incentive Plan**

The Company provides an Executive Long-Term Incentive Plan (the LTIP), in which each of the President & CEO and other Executive Officers participate. Effective September 1, 2020, the LTIP is based on a cash award calculated each year or on a cumulative basis and is paid once every three years, after review and confirmation by the Committee. Prior thereto, from September 1, 2015 to August 31, 2020, the LTIP consisted of a cash award plan, with annual awards payable at the end of each three-year rolling performance cycle. The key performance areas of the LTIP are reviewed and confirmed or changed by the Committee at the commencement of each fiscal year.

Prior to her appointment as Vice President and Chief Financial Officer, the former Vice President, Chief Investment Officer & Treasurer participated in her own long-term incentive plan as described below under “Long-Term Incentive Paid to Vice President, Chief Investment Officer & Treasurer”, in addition to the LTIP given that her role also encompassed corporate responsibilities beyond those related to the Company’s pension plans.

The Company also provides a supplemental long-term incentive plan (S-LTIP) for certain officers, to be determined by the Committee from time to time, which will be awarded in addition to and on the same basis as the LTIP as set out below. No portion of any supplementary payout will be included in the determination of pensionable earnings.

The target and maximum awards for the LTIP and the S-LTIP included in the tables below are expressed as a percentage of annual base salary.

<b>Position</b>	<b>Target LTIP Award</b>	<b>Target S-LTIP Award</b>
President & CEO	70% of base salary	50% of base salary
Vice Presidents – VP3	45% of base salary	25% of base salary <sup>(1)</sup>
Vice Presidents – VP2	45% of base salary	
Vice President, Chief Investment Officer & Treasurer	10% of base salary	
Other Vice Presidents – VP1	35% of base salary	

<b>Position</b>	<b>Maximum LTIP Award</b>	<b>Maximum S-LTIP Award</b>
President & CEO	87% of base salary	62% of base salary
Vice Presidents – VP3	56% of base salary	31% of base salary <sup>(1)</sup>
Vice Presidents – VP2	56% of base salary	
Vice President, Chief Investment Officer & Treasurer	12% of base salary	
Other Vice Presidents – VP1	43% of base salary	

<sup>(1)</sup> Vice Presidents – VP3 appointed after September 1, 2020 are not eligible for S-LTIP awards.

In the absence of the availability of equity-related compensation plans, the LTIP and S-LTIP are intended to:

- tie executive rewards to stakeholder gains and satisfaction;
- motivate and reward Executive Officers for achieving long term performance goals aligned to strategy;
- attract and retain key Executive Officers; and
- retain an element of long-term pay at risk.

The LTIP is designed to reward the executive management of the Company for special effort, achievements and results over a three-year period to ensure alignment between the objectives of the stakeholders and those of management. Some components are calculated annually and some are calculated on a cumulative basis.

The current LTIP and S-LTIP cover fiscal years 2021 to 2023 and became effective on September 1, 2020. They provide for a possible cash award based on three key performance areas. The amount of the award is estimated each year, and will be finalized and paid at the conclusion of the three year period.

The following terms used and tables contained in this section relate to the Performance Cycle ending August 31, 2023 and have the following meanings:

“*Key Performance Area (KPA)*” means one of the LTIP’s and S-LTIP’s three critical performance areas: KPA 1 - Safety; KPA 2 – Net Cashflow; and KPA 3 – ATC Operational Staffing.

“*Key Performance Indicator (KPI)*” means the performance measure(s) used to evaluate the success of a particular KPA.

“*KPI Maximum*” means the level of performance required to award the maximum payout for a particular KPI.

“*KPI Target*” means the level of performance required to award the target (100%) payout for a particular KPI.

“*KPI Threshold*” means the level of performance required to award any payout for a particular KPI.

“*Net Cashflow*” means net amount of cash and cash equivalents from operations and capital expenditures.

“*Performance Cycle*” means the three-year period commencing on September 1, 2020.

The LTIP and S-LTIP set out specific, measurable goals in the three KPAs set forth in the following table which also sets out the corresponding total percentage of the target award allocated to each such KPA.

<b>KPA</b>	<b>Percentage of Target Award</b>
KPA 1 - Safety	30%
KPA 2 - Net Cashflow	40%
KPA 3 - ATC Operational Staffing	30%

## Rationale, Goals and Parameters

### KPA 1: Safety

Safety is the primary KPA over the long term, with respect to which all ANS stakeholders expect management to be extremely diligent.

KPI 1: Rate of losses of IFR to IFR separation per 100,000 movements over a Performance Cycle.

	<b>Performance</b>	<b>Payout</b>
KPI Threshold	0.85	50%
KPI Target	0.70	100%
KPI Maximum	n/a	n/a

- (a) No award will be achieved if the rate of losses of IFR to IFR separation per 100,000 movements over a Performance Cycle is greater than 0.85.
- (b) 50% of the target award will be achieved if the rate is 0.85.
- (c) 100% of the target award will be achieved if the rate is below 0.85.

### KPA 2: Net Cashflow

A positive Net Cashflow is a primary KPA to be achieved by right-sizing the business in the context of reduced air traffic due to the 2020 global pandemic and is required to ensure the Company's long-term sustainability.

KPI 2: First fiscal quarter for which positive Net Cashflow is achieved and sustained cumulatively through to the end of the Performance Cycle.

Calculation exclusions:

- increases in customer services charges;
- deferred customer payments; and
- significant business decisions that have a negative impact on cashflow but are deemed by the Committee to be in the best interest of the Company.

	<b>Performance</b>	<b>Payout</b>
KPI Threshold	Q3 Fiscal 2022	50%
KPI Target	Q2 Fiscal 2022	100%
KPI Maximum	Q1 Fiscal 2022	125%

- (a) No award will be made if the Company is not Net Cashflow positive by Q3 fiscal 2022.
- (b) 50% of the target award will be achieved if the Company is Net Cashflow positive in Q3 fiscal 2022 and remains so on a cumulative basis through to Q4 fiscal 2023.
- (c) 100% of the target award will be achieved if the Company is Net Cashflow positive in Q2 fiscal 2022 and remains so on a cumulative basis through to Q4 fiscal 2023.
- (d) A further award equal to 25% of (c) will be achieved if the Company is Net Cashflow positive in Q1 fiscal 2022 and remains so on a cumulative basis through to Q4 fiscal 2023.



KPA 2 is reviewed by the Committee on an annual basis to ensure that it continues to reflect reasonable targets.

KPA 3: ATC Operational Staffing

Optimal ATC Operational Staffing (Optimal Staffing) is a primary KPA as the Company strives to improve the efficiency and productivity of ATC service delivery.

KPI 3: Percentage variance outside Optimal Staffing Range as measured by the 12-month average variance for fiscal 2023.

Optimal Staffing Range: 1449 to 1530 based on Management's best estimate at August 25, 2020 of mid-term traffic levels.

Current Staffing Level: 1589

Baseline KPI: Maximum = 9.1%.

	Performance	Payout
KPI Threshold	4.500%	50%
KPI Target	3.375%	100%
KPI Maximum	2.250%	150%

- (a) No award will be made if the Optimal Staffing Range variance is greater than 4.0%, averaged over the twelve months during fiscal 2023.
- (b) 50% of the target award will be achieved if the Optimal Staffing Range variance is 4.0%, averaged over the twelve months during fiscal 2023.
- (c) 100% of the target award will be achieved if the Optimal Staffing Range variance is 3.0%, averaged over the twelve months during fiscal 2023.
- (d) A further award equal to 50% of (c) will be achieved if the Optimal Staffing Range is 2.0%, averaged over the twelve months during fiscal 2023.

KPA 3 is reviewed by the Committee on an annual basis to ensure that it continues to reflect reasonable targets.

*Performance Cycles and Payments for LTIP and S-LTIP*

Effective September 1, 2020, a three-year performance cycle was established, with payout eligibility for the full amount (three times the annual amount) of the calculated awards under the LTIP and S-LTIP payable following the end of the three-year performance cycle. Prior thereto, from September 1, 2015 and on September 1 for every year through to September 1, 2019, three-year performance cycles were established, with calculated awards under the LTIP and S-LTIP payable annually.

Fifty percent of target amounts for outstanding portions of long-term incentive awards as of August 31, 2020 were paid early in fiscal 2021 in order to close out outstanding performance cycles to support the transition from the previous program with overlapping three-year performance periods and annual payments to the current program based on discrete three-year periods. The next LTIP and S-LTIP awards will be paid following the three-year period ending August 31, 2023.

Payouts under each of the LTIP and S-LTIP are calculated using a straight-line interpolation if realized results are between the KPI Threshold and KPI Target or between the KPI Target and KPI Maximum, as applicable.

The Committee reserves the right, acting reasonably and equitably, to increase or decrease total incentive awards to take into account, in whole or in part, occurrences when the plan does not produce intended results when considering factors like key performance indicators and the business environment in which the performance was achieved. At the start of each performance cycle, if certain major specified events are expected, to the extent possible, participants will be informed whether performance will be evaluated including or excluding the effect of extraordinary events that may occur during the performance cycle.

Executive Officers who are terminated for cause by the Company or who voluntarily resign their positions, other than by retirement pursuant to the Company's retirement policy, are not entitled to any LTIP or S-LTIP payments, unless otherwise determined by the Company.

### ***Long-Term Incentive Paid to the Vice President, Chief Investment Officer & Treasurer***

In addition to participation in the LTIP, the Vice President, Chief Investment Officer & Treasurer received a long-term incentive based on three KPAs:

KPA 1: Asset performance relative to the NCPP's long term return objective (going concern discount rate) (60%)

KPA 2: Return to risk ratio (actual vs. that of the asset weighted benchmark) (30%)

KPA 3: Cost management (10%)

The performance period under the Vice President, Chief Investment Officer & Treasurer's long-term incentive plan was from January 1, 2019 to December 31, 2021.

The target award was 25% of the cumulative base salary effective over the three-year period. The maximum award of 58% of the cumulative base salary would be earned if all KPIs used to evaluate the success in the KPAs are attained at the level of KPI Maximum over the performance period. No award would be payable in a KPA if the KPI Threshold was not met over the performance period. The terms KPI, KPI Threshold and KPI Maximum used in this paragraph have the meanings attributed to such terms above in "Long-Term Incentive Plan".

Final payment under this Long Term Incentive Plan matured on December 31, 2021 and was paid in April 2022.

### ***Special Performance Incentives***

From time to time, the Committee, in consultation with the President & CEO, may make available a special performance incentive for an individual Executive Officer based on specific, one-time achievements. If these achievements are met, an agreed upon amount is paid to the Executive Officer and disclosed in the Summary Compensation Table, if applicable.

### ***Clawback or Forfeiture***

The Company may require the Clawback of an Award payable to a current or former Participant within 365 days of the payment of the Award to the Participant in the following scenarios and subject to the following

provisions.

**(a) Definitions**

For the purposes of Clawback and Forfeiture, the following definitions apply:

“Award” means an incentive award payable to a Participant pursuant to either the Plan or the LTIP and S-LTIP.

“Clawback” means the cancellation or revocation of an Award, in whole or in part, in an amount determined by the Board, up to and including the cancellation or revocation of the entire Award.

“DFA” means the Designated Financial Authority of a Participant pursuant to the Delegation of Financial Authorities policy of the Company.

“Incorrect Data” means incorrect or inappropriate data or information relevant to the payment of and/or quantum of an Award.

“Misconduct” means any action by a current or former Participant in breach of their contractual, statutory, and/or common law duties to the Company, as determined by the Company, including but not limited to:

- (i) fraud,
- (ii) willful misconduct,
- (iii) unethical conduct,
- (iv) abuse of privilege under the DFA,
- (v) breach of trust,
- (vi) breach of or failure to follow any Company direction, policy, process, or practice, and/or
- (vii) breach of governance obligations.

“Participant” means a participant under either the Plan or the LTIP and S-LTIP.

**(b) Clawback by Reason of Incorrect Data**

Where the Company determines that an Award paid to a current or former Participant was based on Incorrect Data, the Committee may recommend to the Board for the Clawback of the Award.

**(c) Clawback by Reason of Misconduct by Participant**

Where the Company determines that a current or former Participant engaged in Misconduct, the Committee may recommend to the Board for the Clawback of the Award.

**(d) Approval of Clawback**

When determining whether to require a Clawback by reason of Incorrect Data or Misconduct, and, if so, the amount of such Clawback, the Committee may consider, without limitation:

- (i) the value of the Award that would have been payable but for the Incorrect Data or Misconduct, as applicable;
- (ii) the value of any additional Award that would not otherwise have been paid;
- (iii) the role and culpability of the current or former Participant in the Incorrect Data or Misconduct, as applicable; and
- (iv) the Company’s best interests in the circumstances.

Where the Committee determines that a Clawback may be required by reason of Incorrect Data or Misconduct, the Committee shall make a recommendation to the Board for approval, including recommending the appropriate action in the circumstances. The Board shall have the discretion to consider the Committee's recommendation and to implement such recommendation, in whole, in part, or as amended by the Board, in its sole discretion.

**(e) *Repayment of Award Subject to Clawback***

Where the Board determines that a Clawback is required, the current or former Participant will be advised in writing within thirty (30) days of the Board's decision. The current or former Participant will be required to repay the amount of the Award subject to Clawback within sixty (60) days of being notified of the Clawback. Such repayment may be made by way of deduction from a current Participant's wages, in an amount and on such schedule as is determined and agreed upon in writing by the current Participant or former Participant and the Company, or by way of cheque made payable to the Company in the amount of the Clawback.

**(f) *Adjustment of Award Before Payment***

At any time after the announcement of but prior to the payment of an Award, the Board may adjust the existence and/or quantum of any such Award, in accordance with the provisions of Clawback and Forfeiture of the Plan or the LTIP and S-LTIP, as applicable. Should the payment of and/or quantum of an Award payable to a Participant be adjusted prior to the payment of the Award, the Participant will be advised in writing that the Award has been cancelled or the quantum of the Award has been adjusted, and the Award, if any, shall be paid accordingly.

***Benefits***

In order to attract and retain high quality talent and offer competitive levels of compensation, the Company provides benefits to its Executive Officers. The benefits are reviewed periodically to ensure an appropriate benefit level is maintained.

All Executive Officers are eligible for the Company-paid flexible benefits program, for the most part including life insurance, accidental death and dismemberment, short-term disability, long-term disability, an executive medical health assessment program, supplementary medical, dental and provincial health care, and pension plans.

***Perquisites***

Executive Officers are eligible to receive direct or indirect personal benefits which are not generally available to all employees. Perquisites include a general auto allowance, club membership, financial planning assistance and parking. Perquisites are reviewed periodically in order to remain competitive.

***Employment Agreements and Termination Benefits***

Each Named Executive Officer has an employment agreement with the Company providing for employment for an indefinite term, and providing for compensation that generally consists of:

- annual salary;
- annual cash incentive;
- long-term cash incentive;
- participation in a defined benefit pension plan; and
- benefits and perquisites.

In the event that the employment of a Named Executive Officer who entered into an employment agreement with the Company prior to January 1, 2016 is terminated by the Company without cause, severance compensation, in lieu of notice, is determined on a case-by-case basis at the time of termination. For Named Executive Officers who became officers of the Company on or after January 1, 2016, their employment agreements provide that in the event that their employment is terminated by the Company without cause, the Company will provide such Named Executive Officer with working notice equal to 18 months. In lieu of working notice, the Company may elect to provide a lump sum severance payment or may elect any combination of working notice and severance pay.

## SUMMARY COMPENSATION TABLE

The following table sets forth all compensation paid to or earned by the Named Executive Officers during the fiscal years ended August 31, 2022, 2021 and 2020.

Non-Equity Incentive Plan Compensation								
Name and principal position	Fiscal year ending August 31	Salary(\$)	Annual Incentive Plan <sup>(1)</sup> (\$)	Long-Term Incentive Plan (\$)	Terminated Long-Term Incentive Plan <sup>(2)</sup> (\$)	Pension Value <sup>(3)</sup> (\$)	All other compensation (\$)	Total compensation (\$)
Raymond G. Bohn President & CEO <sup>(4)</sup>	2022	555,333	476,587	654,330 <sup>(6)</sup>	0	219,000	0	1,905,250
	2021	414,348 <sup>(5)</sup>	267,449	221,891 <sup>(6)</sup>	0	4,313,000	0	5,216,688
	2020	338,130	131,533	122,038 <sup>(7)</sup>	118,004	171,000	0	880,705
Donna Mathieu Vice President & CFO <sup>(8)</sup>	2022	337,584 <sup>(9)</sup>	194,248	238,077 <sup>(6)</sup>	0	702,000	0	1,471,909
	2021	297,540	131,632	90,452 <sup>(6)</sup>	0	302,000	0	821,624
	2020	306,696	116,299	119,774 <sup>(7)</sup>	15,312	139,000	0	697,081
Alexander N. Struthers Former Vice President & CFO <sup>(10)</sup>	2022	140,512	62,882	34,470 <sup>(6)</sup>	0	71,000	0	308,864
	2021	340,955	161,783	128,881 <sup>(6)</sup>	0	142,000	0	773,619
	2020	351,447	121,601	127,663 <sup>(7)</sup>	122,849	162,000	0	885,560
Mark Cooper Vice President, Chief Technology & Information Officer	2022	358,917	237,962	258,915 <sup>(6)</sup>	0	72,000	300,000 <sup>(11)</sup>	1,227,794
	2021	318,250	169,309	120,299 <sup>(6)</sup>	0	71,000	0	678,858
	2020	308,459	81,186	24,291 <sup>(7)</sup>	46,269	46,000	252,000 <sup>(12)</sup>	758,205
Ben Girard <sup>(13)</sup> Vice President & Chief of Operations	2022	270,417	170,768	127,916 <sup>(6)</sup>	0	94,000	0	663,101
	2021	261,250	93,632	63,484 <sup>(6)</sup>	0	31,000	0	449,366
	2020	241,088	52,220	33,491 <sup>(7)</sup>	42,127	78,000	0	446,926
Leigh Ann Kirby Vice President, Chief Legal Officer & Corporate Secretary <sup>(14)</sup>	2022	319,583	212,682	142,358 <sup>(6)</sup>	0	116,000	0	790,623
	2021	270,655	106,799	56,722 <sup>(6)</sup>	0	331,000	0	765,176
	2020	278,984	62,353	50,010 <sup>(7)</sup>	48,607	126,000	0	565,954

(1) Represents amounts earned for performance in each fiscal year. Annual incentive awards under the Plan are paid in cash within 90 days following the end of each fiscal year.

(2) Fifty percent of target amounts for outstanding portions of long-term incentive awards as of August 31, 2020 in order to close out then outstanding performance cycles to support the transition from the previous program with overlapping three-year performance periods and annual payments to the current program based on discrete three-year periods.

(3) The fiscal 2022 year-over-year increases in pension values are explained in footnote 4 to the Defined Benefit Plans Table.

(4) Mr. Bohn was appointed President & CEO effective February 1, 2021. Prior to this appointment, Mr. Bohn was Vice President & Chief Human Resources Officer from September 1, 2020 to January 31, 2021 and Executive Vice President, Human Resources, Communications & Public Affairs from September 1, 2017 to August 31, 2020.

(5) This amount includes the prorated portion of the base salary received by Mr. Bohn from September 1, 2020 to January 31, 2021 in the amount of \$136,681 while he held the position of Vice President & Chief Human Resources Officer and the prorated portion of the base salary he received from February 1, 2021 to August 31, 2021 in the amount of \$277,667 while he held the position of President & CEO. Mr. Bohn's base salary increased from \$345,300 to \$595,000 in connection with his promotion to President & CEO but was subject to a 20% reduction due to the global pandemic which brought his salary to \$476,000 for the duration of the reduction period.

(6) Represents estimated amount earned in each of the first fiscal year (2021) and the second fiscal year (2022), respectively, for the current three-year LTIP (September 1, 2020 to August 31, 2023), including amounts earned under the S-LTIP, and amounts earned under the long-term incentive plan for the then Vice President, Chief Investment Officer & Treasurer. The next LTIP and S-LTIP awards will be paid following the three-year period ending August 21, 2023. Long-term incentive awards are paid in cash within 90 days following the completion of the third year of the relevant plan.

(7) Represents amount earned for the then current three-year LTIP (September 1, 2017 to August 31, 2020), including amounts earned under the S-LTIP, and amounts earned under the long-term incentive plans for the then Vice President, Pension Investments & Treasurer.

(8) Ms. Mathieu was appointed Vice President & CFO effective January 13, 2022. Prior to this appointment, Ms. Mathieu was Vice President, Chief Investment Officer & Treasurer from September 1, 2020 to January 12, 2022 and Vice, President, Pension Investments & Treasurer from June 1, 2017 to August 31, 2020.

(9) This amount includes the prorated portion of the base salary received by Ms. Mathieu from September 1, 2021 to January 12, 2022 in the amount of \$109,749 while she held the position of Vice President, Chief Investment Officer & Treasurer and the prorated portion of the base salary she received from January 13, 2022 to August 31, 2022 in the amount of \$227,835 while she held the position of Vice President and Chief Financial Officer. Ms. Mathieu's base salary increased from \$313,200 to \$360,000 in connection with her promotion to Vice President & CFO.

(10) Mr. Struthers retired as Vice President & CFO effective January 12, 2022.

(11) This amount represents a retention bonus which was paid to Mr. Cooper as an acknowledgement of the period of uncertainty as NAV CANADA transformed its operations. The payment was made for the retention period until December 31, 2021.

(12) This amount represents a signing bonus which was paid to Mr. Cooper when he joined the Company to compensate for the loss of short-term incentives from his former employer.

(13) Mr. Girard qualified as a NEO during fiscal 2022. He was appointed Vice President & Chief of Operations effective

September 1, 2020. From May 21, 2018 to August 31, 2020, he was Vice President, Operational Support.

<sup>(14)</sup> Ms. Kirby first qualified as a NEO during fiscal 2021. She was appointed Vice President, Chief Legal Officer & Corporate Secretary effective September 1, 2020. From February 29, 2016 to August 31, 2020, Ms. Kirby was Vice President, General Counsel & Corporate Secretary.

## **PENSION PLAN BENEFITS**

NAV CANADA provided its Executive Officers who were appointed prior to January 1, 2019 with pension benefits under the NAV CANADA Executive Pension Plan (Executive Pension Plan). Pension benefits in respect of service prior to appointment as an Executive Officer are provided through the NAV CANADA Pension Plan (NCPP) - Part A.

Executive Officers who are appointed after December 31, 2018 are provided with pension benefits through NCPP - Part B. Executives who are participating in NCPP - Part A at the time of appointment may, at the discretion of the President and CEO, remain in that plan.

Effective January 1, 2021, the Executive Pension Plan was merged into the NCPP, with Executive Officers appointed prior to January 1, 2019 continuing to accrue service in accordance with the Executive Pension Plan provisions, but within Part C of the NCPP until April 1, 2022 (until February 1, 2021 for the President & CEO). At that point, all Executive Officers will accrue pension benefits under NCPP - Part B provisions for future service. The merger was subject to the approval of the Office of the Superintendent of Financial Institutions Canada (OSFI), which was obtained February 23, 2022, and the asset transfer was completed in May 2022.

All Executive Officers are eligible to receive benefits supplemental retirement arrangements in respect of benefits in excess of *Income Tax Act* limits.

## **Defined Benefit Plans Table**

The pension obligations and reconciliations thereof detailed below are determined using the same actuarial assumptions as were used to determine the accounting information for pension plans as disclosed in the Company's audited annual consolidated financial statements for the period ended August 31, 2022. The table details the years of credited service, estimated pension benefits as at August 31, 2022, projected benefits to age 65, and changes in the accrued pension obligations during the fiscal year for the Named Executive Officers.

Name	Number of Years Credited Service <sup>(1)</sup>	Annual Benefits Payable (\$)		Present Value of Defined Benefit Obligation at August 31, 2021 (\$)	Compensatory Change <sup>(4)</sup> (\$)	Non-Compensatory Change <sup>(5)</sup> (\$)	Present Value of Defined Benefit Obligation at August 31, 2022 (\$)
		At Aug. 31, 2022 <sup>(2)</sup>	At Age 65 <sup>(3)</sup>				
Raymond G. Bohn President & CEO <sup>(6)</sup>	28.289	325,080	599,118	9,347,000	219,000	-2,094,000	7,472,000
Donna Mathieu Vice President & CFO <sup>(7)</sup>	18.981	162,624	247,299	2,740,000	702,000	-898,000	2,544,000
Alexander N. Struthers Former Vice President & CFO <sup>(8)</sup>	3.581	38,176	38,176	614,000	71,000	-43,000	642,000
Mark Cooper Vice President, Chief Technology & Information Officer	2.998	14,777	109,317	143,000	72,000	-40,000	175,000
Ben Girard Vice President & Chief of Operations	32.529	194,642	234,700	4,957,000	94,000	-1,049,000	4,002,000
Leigh Ann Kirby Vice President, Chief Legal Officer & Corporate Secretary	6.505	46,229	108,918	844,000	116,000	-218,000	742,000

(1) The supplementary retirement arrangements for the Executive Officers, provide service credit of 1.00 years for each year of service. Ms. Mathieu had an additional 1.20761 years of service recognized in fiscal 2021 in respect of part-time service that was not previously pensionable.

Mr. Bohn's credited service includes approximately 5.8 years of elective service once recognized under the registered pension plans of previous employers and purchased in December 2005.

(2) The annual lifetime benefits payable at year-end are calculated based on actual pensionable earnings as at the end of the current fiscal year and payable at the Named Executive Officer's normal retirement date.

(3) The annual benefits payable at age 65 are based on current compensation levels and assume that the Named Executive Officer will receive 100% of the target payment under the Annual Incentive Plan and 65% of the maximum payment under the LTIP and that credited service from April 1, 2022 (February 1, 2021 for the President & CEO) is under the NCPP - Part B. The maximum pensionable earnings under the Canada Pension Plan are assumed to remain constant at the current level of \$64,900. For Mr. Struthers, the amount shown is as at his retirement date.



(4) The change in benefit obligation that is attributable to compensation includes both the service cost and the difference in average annual salary in excess of or below what was assumed. The service cost is the estimated value of the benefits accrued during the fiscal year. Members are assumed to retire in accordance with NCPP experience.

(5) The change in benefit obligation that is not compensatory includes interest cost, change in assumptions and gains and losses other than for difference in earnings.

(6) Mr. Bohn was appointed President & CEO effective February 1, 2021. Prior to this appointment, Mr. Bohn was Vice President & Chief Human Resources Officer from September 1, 2020 to January 31, 2021 and Executive Vice President, Human Resources, Communications & Public Affairs from September 1, 2017 to August 31, 2020. He started accruing pension benefits under NCPP - Part B provisions for future service commencing on February 1, 2021.

(7) Ms. Mathieu was appointed Vice President & CFO effective January 13, 2022. Prior to this appointment, Ms. Mathieu was Vice President, Chief Investment Officer & Treasurer from September 1, 2020 to January 12, 2022 and Vice, President, Pension Investments & Treasurer from June 1, 2017 to August 31, 2020.

(8) Mr. Struthers retired as Vice President & CFO effective January 12, 2022. The change in benefit obligation includes gains and losses resulting from having a retirement date different than previously assumed.

### ***Defined Benefit Plans Description***

Benefits with respect to service under the non-contributory NCPP Part C, formerly the Executive Pension Plan, are calculated as:

- 2% times average pensionable earnings times executive pensionable service (average pensionable earnings is based on the executive's highest paid 60 successive months of Company service)

Benefits with respect to service under the contributory NCPP are calculated as:

- 2% times average pensionable earnings times Part A pensionable service, plus
- 1.1% times average pensionable earnings times Part B pensionable service,
- average annual pensionable earnings is based on the employee's highest paid 72, or 60 while represented by CATCA before being promoted as an Executive Officer, successive months of Company service.

The Executive Pension Plan recognized salary and 50% of the sum of amounts paid for annual cash incentives and LTIP as pensionable (with some long-term incentives classified as non-pensionable). The NCPP recognizes 100% of annual cash incentives as pensionable, but not LTIP. With the transition to Part B terms, in determining the best average earnings for Executive Officers participating in the Executive Pension Plan, the Executive Pension Plan definition of pensionable earnings will be applied to earnings prior to April 1, 2022 and the NCPP definition of pensionable earnings will be applied to earnings on or after April 1, 2022. For the President & CEO, the applicable date is February 1, 2021.

Pensionable service may not exceed 35 years in total.

For Parts A and C, full benefits are available at age 60, or age 55 with at least 30 years of service. At age

65, benefits are integrated with the Canada Pension Plan by subtracting an amount equal to 0.7% per year of employment times the Canada Pension Plan's average annual yearly maximum pensionable earnings for the year in which the member retires and the two immediately preceding calendar years.

For Part B, full benefits are available at age 65, or age plus service of at least 85 points. At age 65, benefits are integrated with the Canada Pension Plan by subtracting an amount equal to 0.5% per year of employment times the Canada Pension Plan's average annual yearly maximum pensionable earnings for the year in which the member retires and the four immediately preceding calendar years.

Lifetime benefit amounts payable up to \$3,420 per year of service are paid from the federally registered pension plan. Lifetime benefit amounts in excess of \$3,420 per year of service are unsecured and payable from revenues of the Company.

Plan members who are within 10 years of normal retirement and not eligible for full benefits as described above, are entitled to a monthly pension upon retirement. However, the pension is reduced due to early retirement. For Parts A and C, the reduction is based on one-half of one percent for each tenth of a year (5% per year) that the member is short of the applicable full pension threshold. For Part B, the reduction is based on three-tenths of one percent for each tenth of a year (3% per year) that the member is short of the applicable full pension threshold. For Executives who previously had service in Parts A and C, the Part B reduction cannot exceed what would have been applicable under Parts A and C.

Increases in Parts B and C benefits are indexed on an ad-hoc basis at the discretion of the Board. All Part A benefits are protected against inflation at the rate of change in the Consumer Price Index calculated as the average of the Consumer Price Index for each month in the 12-month period ending on September 30<sup>th</sup> in the immediately preceding year.

In the event of death in service, a commuted lump sum in accordance with applicable federal pension legislation, or an actuarially equivalent amount is payable to the individual's surviving spouse as a monthly lifetime pension. In the event of death in retirement, 60% (50% for Part A) of the benefit is payable to the individual's surviving spouse as a monthly lifetime pension.

## **Director Compensation**

The By-laws of the Company provide that reasonable remuneration be paid to directors (other than the President & CEO) for attendance and participation at meetings of the Board and committees as fixed by resolution of the Board. Board members receive annual retainers, meeting fees, travel fees, and have the option of participating in an executive medical health assessment program, which program is a taxable benefit. Board members are also entitled to per diems when they are required to conduct business on behalf of the Board. Directors' compensation is generally reviewed every two years. Since September 1, 2015 until the end of fiscal 2019, the annual retainer for Board members was \$56,000. After retaining Willis Towers Watson in fiscal 2019 to review director compensation at the companies in our Corporate Functions Peer Group, the Corporate Governance Committee recommended and the Board approved an increase to the annual retainer for Board members which was to be implemented in two phases. Effective September 1, 2019, the annual retainer for Board members was increased from \$56,000 to \$65,500 and was scheduled to be increased from \$65,500 to \$75,000 effective September 1, 2020. Since September 1, 2015, the Chair of the Board's Annual Fee is \$182,750.

In light of the impact of the COVID-19 pandemic on the Company, the Corporate Governance Committee recommended to the Board, which the Board unanimously approved, that all director fees, including

retainer, meeting and travel fees, be reduced by 20% effective April 1, 2020 and that the increase to the annual retainer for directors which was scheduled to become effective September 1, 2020 be eliminated. This 20% fee reduction was in effect for the entirety of fiscal 2021 and was reviewed by the Corporate Governance Committee and the Board in the Fall of calendar year 2021 where it was determined that it would be discontinued effective January 1, 2022.

The Southlea Group was retained at the end of fiscal 2022 to conduct a fulsome director compensation review. This review will be completed in fiscal 2023 and results of this review will be reported in next year's AIF.

<b>Board of Directors Fees – Fiscal 2022</b>		
	September 1, 2021 – December 31, 2021 (\$)	January 1, 2022 – August 31, 2022 (\$)
Annual Retainer	52,400	65,500
Board Meeting Attendance Fee	1,200	1,500
Board Teleconference Meeting Fee		
• for meetings more than one hour	800	1,000
• for meetings less than one hour	400	500
Travel Fee (if required to travel across two provinces for the purpose of attending directors' or committee meetings)	1,200	1,500
Per Diem <sup>(1)</sup>		
• full day	1,000	1,250
• half day	600	750
<b>Committee Fees</b>		
Committee Member Annual Retainer per Committee	3,200	4,000
Audit & Finance Committee Member Annual Retainer	4,000	5,000
Audit & Finance Committee Chair Annual Retainer	12,000	15,000
Human Resources & Compensation Committee Chair Annual Retainer	8,000	10,000
Annual Retainer for other Committee Chairs	6,000	7,500
Committee Meeting Attendance Fee	1,200	1,500
Committee Teleconference Meeting Fee		
• for meetings more than one hour	800	1,000
• for meetings less than one hour	400	500
<b>Other</b>		
Chair of the Board Annual Fee <sup>(2)</sup>	146,200	182,750

<sup>(1)</sup> Per diems are paid to directors when they are required to conduct business on behalf of the Board other than attendance at seminars, trade association meetings, training, or for preparation for Board and/or committee meetings.

<sup>(2)</sup> The Chair of the Board is entitled to reimbursement for "Travel Fees" but receives no additional meeting fees or other retainers or fees except in respect to Aireon LLC (Aireon), a joint venture that the Company has an interest in. See "Directors' Compensation Fiscal 2022" below.

<b>Directors' Compensation Fiscal 2022</b>			
<b>Name</b>	<b>Fees Earned (\$)</b>	<b>All Other Compensation<sup>(6)</sup> (\$)</b>	<b>Total(\$)</b>
Edward Barrett <sup>(1)</sup>	111,719	4,200	115,919
Mary-Ann Bell	106,586	-	106,586
Raymond G. Bohn <sup>(2)</sup>	-	-	-
Paul Brotto	96,355	-	96,355
Marc Courtois <sup>(3)</sup>	186,567	-	186,567
Michael DiLollo	87,859	-	87,859
Peter Duffey	95,992	-	95,992
Bonnie DuPont	105,987	4,000	109,987
Marc Grégoire	95,292	-	95,292
Linda Hohol	113,415	3,000	116,415
Kevin Howlett	93,159	4,200	97,359
Davey Lewis <sup>(4)</sup>	55,476	3,000	58,476
Candice Li	91,492	1,500	92,992
Michelle Savoy	108,086	1,000	109,086
Scott Sweatman <sup>(5)</sup>	45,540	-	45,540
David Weger	91,492	4,200	95,692

(1) Mr. Barrett voluntarily waived all fees he would be entitled to receive as a member of the Corporate Governance Committee for fiscal 2022.

(2) As President & CEO, Mr. Bohn does not receive directors' fees. Mr. Bohn became President & CEO effective February 1, 2021.

(3) Mr. Courtois receives an annual fee as Chair of the Board and no other additional fees for attendance of meetings. He is entitled to reimbursement for travel fees. As Chair of the Aireon Board, Mr. Courtois receives an annual retainer and fees for attendance of meetings.

(4) Mr. Lewis joined the Board on January 12, 2022.

(5) Mr. Sweatman retired from the Board effective January 12, 2022.

(6) Includes travel fees paid to directors who are required to travel across two provinces for meetings, and per diems, which are paid when a director is required to conduct business on behalf of the Board other than attendance at seminars, trade association meetings, training, or for preparation for Board and/or committee meetings.