

Asian Breeze (41)

(亜細亜の風)

Happy Summer Vacation to you

5 August, 2015

It's hot, hot, hot and hot in Tokyo. Temperature is reaching almost 40 degrees in Celsius hotter than human body temperature. Japan seems to be located on the equator with tropical weather due to the global warming.

Japanese associate the fireworks with summer whereas Europeans and Americans associate it with a new year's eve. Originally used to ward off evil spirits, fireworks (花火 : Hanabi) have a long history and are an integral part of Japanese summers. Hundreds of firework shows are held every year across the country, mainly during the summer holidays in July and August, with some of them drawing hundreds of thousands of spectators. Japanese firework shells range in size from smaller ones to the world record



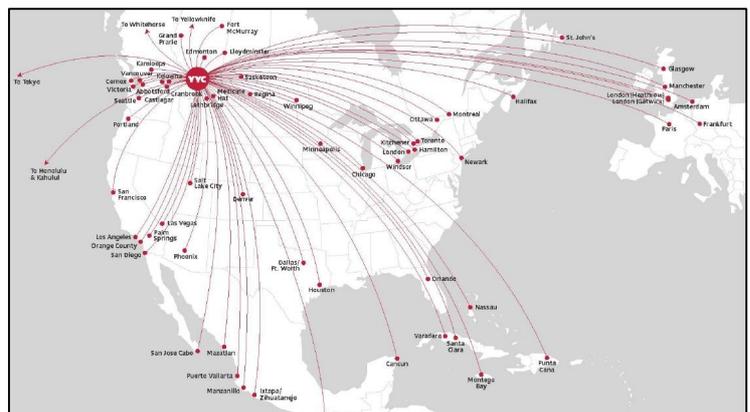
holding "Yonshakudama" shells which are 1.2 meter in diameter and weigh several hundred kilograms. Other unique fireworks include Niagara sparklers that are set under bridges and resemble the famous waterfalls, and formed shells that burst into familiar shapes such as hearts, smiley faces and cartoon characters.

In this issue, we have received a wonderful contribution from Ms. Linda Mitchell, Airlines Operations Manager, Calgary International Airport featuring her airport. I hope you will enjoy reading it.

Calgary International Airport (YYC)

Calgary International Airport (IATA: YYC, ICAO: CYYC), is the international passenger and cargo hub in the province of Alberta, Canada. It is Canada's third-busiest airport by passenger traffic and aircraft movements, welcoming 15,261,108 passengers and supporting 181,000 air carrier movements in 2014 - adding one million new airline seats in the process.

Located only 17 km northeast of downtown Calgary, the airport connects passengers to 78 non-stop destinations serving major cities in Canada, the United States, Mexico, the Caribbean, Europe and East Asia, and is the gateway for travelers seeking to explore Canada's majestic Rocky Mountains.

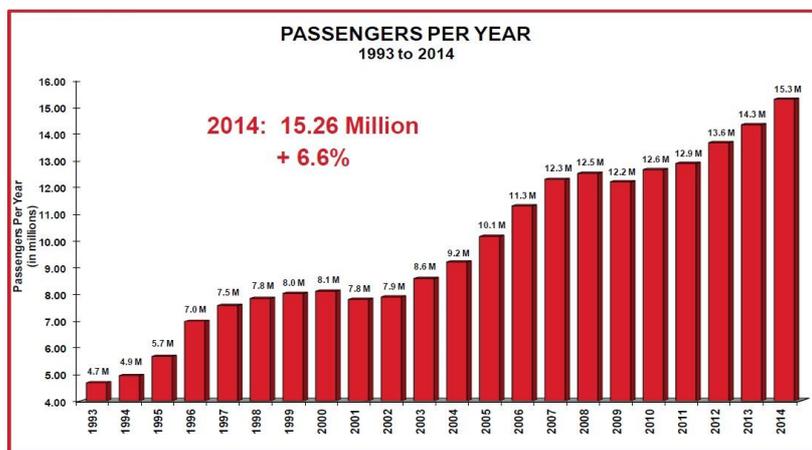


Calgary International Airport serves as headquarters for WestJet and as a hub airport for Air Canada and Air Canada Express. The airport is one of eight Canadian airports with U.S. Border Preclearance facilities.

A leading North American cargo hub, Calgary International Airport is one of only two airports in Canada to offer scheduled cargo service to both Asia and Europe. The airport has three million-square-feet of warehouse space - more than any other airport in Canada, adding more than 371,000 square feet of space in 2014.

The airport is operated by The Calgary Airport Authority (the Authority) as part of Transport Canada's National Airports System, and its mandate is to manage and operate the Calgary International (YYC) and Springbank (YBW) Airports in a safe, secure and efficient manner and to advance economic and community development for the general benefit of the public in our region. As a not-for-profit, non-share capital corporation, all sources of revenue are reinvested back into the airport facilities.

Passenger Volumes



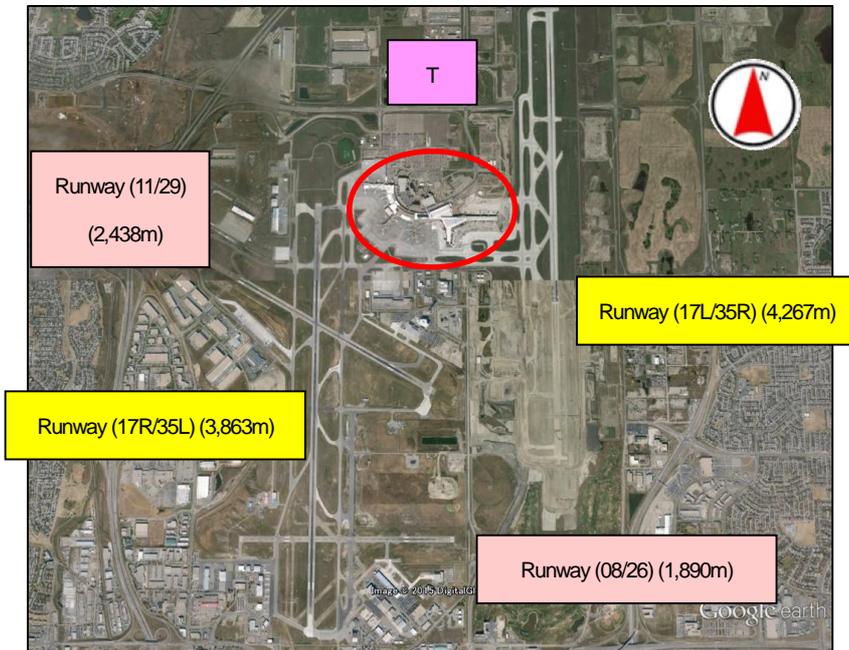
The Calgary Airport Authority assumed responsibilities for the operation and expansion of Calgary International airport on July 1, 1992. Since then, the Authority has invested \$2.8B in facility and service improvements to YYC and YBW, which the Airport Authority has been operating since 1997.

Significant among the expansion work at YYC was the recent opening of a new open parallel runway, the longest runway in Canada, and the upcoming completion of a new international/ transborder terminal. Today YYC is an important economic engine for the city, region and province of Alberta, generating more than \$8 billion per annum in economic activity, while creating a positive, engaging experience for passengers.

Airport Infrastructure

There are four runways at Calgary International Airport; two open parallel runways and two crosswind runways. Two main runways are 4,267m (17L/35R) and 3,863m (17R/35L) long, while the two crosswind runways are 2,438m (11/29) and 1,890m (08/26).

17L/35R is the longest runway in Canada, and has been operational since June 28, 2014. Also embedded in the construction of the new runway and related infrastructure was the construction of what is now the tallest free-standing air traffic control tower in Canada, at 91.4 m.



Main Terminal

The current terminal has three concourses, A, B, and C, one of which is subdivided into two wings; one to accommodate international flights, and the other to accommodate trans-border flights between Canada and the United States utilizing the airport's U.S. Customs & Border Protection Agency facilities. The existing terminal building was originally designed by Stevenson, Raines, Barret, Hutton, Seton and Partners and completed in 1977.

Concourse A

Concourse A is comprised of Gates 1 - 24. Gate operations include:

Gates 1 - 4

- Regional operations for WestJet Encore

Gates 12, 14, 16 and 18

- Utilized for both international arrivals and departures

Gates 21 - 24

- These are swing gates between Concourse A and Concourse B. On flights originating in Calgary, passengers bound for the U.S. go through U.S. Customs & Border Protection prior to boarding their flights. On arrival in the U.S., the flight is treated as a domestic flight.

Security Operations

- Five dedicated security lanes

Other Amenities

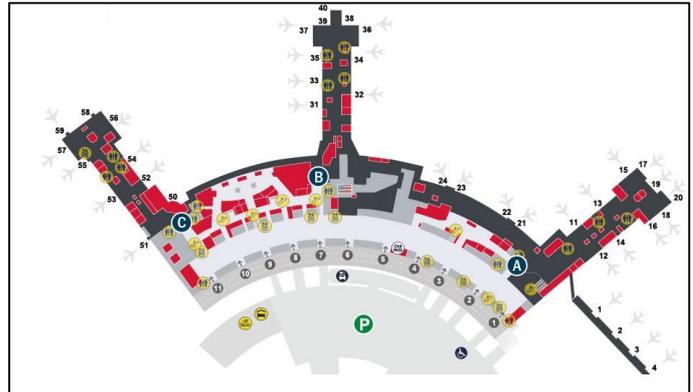
- Servisair Calgary Chinook Lounge, which is a common-use facility.

Concourse B

Concourse contains Gates 31 - 40.

Gates 31 - 40

- These are swing gates between Concourse B and Concourse C.
- Any U.S.-bound flight is treated as a "B" Gate, whereas any Canadian-bound/ International-bound flight is treated as "C" Gate.
- Concourses C and B are connected behind security by a walkway, facilitating connections for Air Canada and Air Canada Express flights.
- When all Gates in the B/C section are "B" gates, then this walkway is closed due to U.S. Customs & Border Protection pre-clearance for U.S.-bound flights.



Security Operations

- Has six dedicated security lanes after U.S. Customs & Border Protection facilities, and is only used for U.S. bound flights.
- During domestic and international operations, all passengers utilize Concourse C security lanes.

Other Amenities

- Contains the Servisair Calgary Rocky Mountain Lounge.
- There is no Star Alliance lounge accessible from Concourse B.

Concourse C

Concourse C is comprised of Gates 50 - 59 and 61 - 65.

- Used mostly for domestic outbound flights, although U.S.-bound flights (without US Pre-Clearance) and other international flights sometimes depart from Concourse C.
- As this concourse is not connected to the Canada Border Services Agency (CBSA) hall, only domestic flights arrive into Concourse C.
- Air Canada and Air Canada Express flights use Concourse C for domestic arrivals and departures;
- Air Canada also uses it for international arrivals and departures.



Gates 50, 52, 54, 56 - 59

- Jet-bridged and are used for Air Canada and Air Canada Express flights.

Gates 51, 53, 55

- Ground-boarding and utilized for most Air Canada Express flights (excluding flights operating on

the Bombardier CRJ200, CRJ 705 and Q400) and all Central Mountain Air flights.

- Passengers use ramps to the jet bridge to get to and from the aircraft.
- Two aircraft can be parked at each gate.

Gates 61 - 65

- Ground-boarding and utilized for most Air Canada Express flights (excluding flights operating on the Bombardier CRJ200, CRJ 705 and Q400) and all Central Mountain Air flights.
- Passengers must take a shuttle bus from the main terminal to the aircraft.

Security

- Has five security lanes that handle all passengers departing from either Concourse B or Concourse C.

Other Amenities

- The Air Canada Maple Leaf Lounge is located immediately beyond security in Concourse C (note that no showers are available in the lounge).



New International Terminal

Nearing completion of construction, for an opening in the fall of 2016, is a brand new International Terminal which will more than double the size of the terminal at Calgary International Airport.



The new two million-square-foot terminal, which will be directly connected to the existing terminal building, will feature two new concourses with 22 additional gates to handle International and U.S.-bound, trans-border passengers.

Divided into D and E concourses, D concourse will carry the international gates and E concourse the U.S. pre-cleared flights. A secure, 650 m long Connections Corridor will link the existing and new terminals, and will allow free movement of passengers between all concourses when open.

Features of the new terminal building include:

- A 300-room hotel.
- A Compact Transit System (CTS) to transport up to 10 passengers at a time from one end of the expanded terminal structure to the other. <https://youtu.be/7H2EwRZSYVE>
- Eight new moving walkways

- New Canada and U.S. customs facilities
- Leading-edge sustainability features including:
 - Ø 660 km of in-floor radiant heating tubing
 - Ø Co-generation power systems that will generate electricity and heat, saving 4,900 tonnes of CO₂ each year
 - Ø A system to harvest 500,000 liters of rainwater for low-flow plumbing fixtures



Introduction of our members



Linda Mitchell, Airlines Operations Manager

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From the Chief Editor

I would like to express my appreciation to Ms. Linda Mitchell for a wonderful contribution to Asian Breeze (41). I learnt that the airport is so large with the longest runway of 4,267m in Canada. There is a huge potential for expanding the capacity in the future with more network to Asia/Pacific regions.

Having finished this issue, I will rush to my hometown to appreciate the fireworks display there during summer holidays. I hope you will enjoy the summer holidays. (H.T.)

