

Transportation Information Update*

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AIR TRANSPORTATION

1. Canada and Ontario provide additional funding to support essential air access for remote First Nation communities in Ontario

On April 29, 2022, Canada's Minister of Transport, the Honourable Omar Alghabara, Canada's Minister of Indigenous Services and Minister responsible for the Federal Economic Development Agency for Northern Ontario, the Honourable Patty Hajdu, the Ontario Minister of Indigenous Affairs, the Honourable Greg Rickford, and the Ontario Minister of Transportation, the Honourable Caroline Mulroney, announced funding to maintain essential air access for remote communities in Ontario, including First Nation communities. In addition to the more than \$16.2 million in federal funding already provided in response to the pandemic, the Government of Canada is investing over \$5.4 million to support these air services.

2. Aeroplan Recognized with Best Redemption Ability and as a Top Trending Program in Prestigious Freddie Awards

Air Canada's Aeroplan loyalty program has been recognized for Best Redemption Ability and, for a third time, as the top trending program in delivering value to members in the Americas in a survey of global frequent fliers by the Freddie Awards, which celebrate the world's leading loyalty programs. "We're thrilled to be recognized by our members for the unbeatable value we offer," said Scott O'Leary, Vice President, Loyalty and Product at Air Canada. "With flight rewards starting at just 6,000 points and more airline partners than any other airline program in the world, Aeroplan truly enables you to travel more and travel better."

3. Canada's 3 largest airlines make big push in cargo

Domestic e-commerce sales in Canada have more than doubled since the COVID pandemic to more than US\$4.7 billion, according to Statistics Canada. Air cargo business is growing in Canada, and the three biggest carriers there are investing accordingly. Two of them — Air Canada and WestJet — are passenger airlines that are in the process of establishing all-cargo divisions with aircraft dedicated to carrying freight on the main deck. Cargojet, as the name implies, is a cargo operator that also is significantly expanding its fleet and just announced a large contract renewal with DHL Express that involves extra aircraft. Air Canada expands freighter network, Cargojet goes deeper with 777s and DHL, and WestJet prepares for all-cargo service. For domestic and international shippers, the growing fleets mean more intra-Canada and cross-border capacity for e-commerce, perishable goods, pharmaceuticals and general products.

4. Cargojet revenue up 46 percent in first quarter

Cargojet Inc. beat revenue expectations in its first quarter despite plateauing e-commerce demand, as the air cargo carrier looks to bolster its fleet and ramp up domestic deliveries this year. The company, which provides time-sensitive overnight air freight services as well as aircraft leases, garnered 46 percent year-over-year revenue growth in the quarter ended March 31, 2022. Nonetheless, Cargojet swung to an unexpected net earnings loss owing to a "fair value" adjustment of stock warrants, which the company attributed to an

AIR TRANSPORTATION

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4. Cargojet revenue up 46 percent in first quarter, May 3, 2022, www.insidelogistics.ca
5. 2021 Annual and 4th Quarter U.S. Airline Financial Data, May 2, 2022, www.bts.gov
6. War in Ukraine and Omicron Weighs on Air Cargo, May 3, 2022, www.iata.org
7. Weekly aircraft movements, April 16 to 22, 2022, May 4, 2022, www.statcan.gc.ca
8. Air Canada Cargo Operates First Freighter Flight to Madrid, May 4, 2022, www.aircanada.ca
9. U.S. Airlines' March 2022 Fuel Consumption Down 10% from Pre-Pandemic 2019; Aviation Fuel Cost per Gallon Hits 8-year High, May 4, 2022, www.bts.gov
10. Passenger Traffic Recovery Continues in March, May 4, 2022, www.iata.org
11. U.S. Cargo and Passenger Airlines Add 6,546 Jobs in March 2022 for New COVID-19 Pandemic High; Employment Remains 1.0% Below Pre-12. Pandemic February 2020, May 5, 2022, www.bts.gov
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16. The Future of Drones in Transportation and Logistics, May 9, 2022, www.ajot.com
17. Air Cargo Container Market - 62% of Growth to Originate from APAC, May 12, 2022, www.cargonews.com
18. Weekly aircraft movements, April 23 to 29, 2022, May 12, 2022, www.statcan.gc.ca
19. February 2022 U.S. Airline Traffic Data, May 12, 2022, www.bts.gov
20. Ontario International Airport cargo volume

* The news indicated from the citations is those of the authors and not of Industry Canada or the CTRF.

increase in share price. Its stock rose 13 percent to \$189.71 from \$167.30 between Dec. 31 and March 31, but was at \$154.54 in midday trading on the Toronto Stock Exchange. Demand for Cargojet's charter delivery service stayed strong as the Canadian government relied on it to transport COVID-19 test kits from Asia, the company said. Charter trips to China nearly tripled to drive the company's revenue gains, said chief strategy officer Jamie Porteous.

5. 2021 Annual and 4th Quarter U.S. Airline Financial Data

U.S. scheduled passenger airlines reported a 2021 after-tax net loss of \$2.8 billion, declining for the second straight year after seven consecutive annual after-tax profits and a pre-tax operating loss of \$17.3 billion, declining for the second straight year after 11 consecutive annual pre-tax profit. U.S. airline financial reports are filed quarterly with the Bureau of Transportation Statistics (BTS). For further data, see the tables on the BTS website for additional 2020 annual and fourth-quarter financial results.

6. War in Ukraine and Omicron Weighs on Air Cargo

The International Air Transport Association (IATA) released March 2022 data for global air cargo markets showing a drop in demand. The effects of Omicron in Asia, the Russia – Ukraine war and a challenging operating backdrop contributed to the decline. Global demand, measured in cargo tonne-kilometers (CTKs*), fell 5.2% compared to March 2021 (-5.4% for international operations). Capacity was 1.2% above March 2021 (+2.6% for international operations). While this is in positive territory, it is a significant decline from the 11.2% year-on-year increase in February. Asia and Europe experienced the largest falls in capacity. Several factors in the operating environment should be noted: 1. the war in Ukraine; 2. Sanctions against Russia 3. Rising oil prices.

7. Weekly aircraft movements, April 16 to 22, 2022

Weekly data on aircraft itinerant movements are now available for April 16 to 22, 2022. Domestic movements for the week of April 16, 2022 were 39,322 compared to 36,686 domestic movements of April 9, 2022.

8. Air Canada Cargo Operates First Freighter Flight to Madrid

Air Canada said on May 4, 2022 that it has operated the first flight of a Boeing 767-300 freighter by Air Canada Cargo into Madrid as it continues to expand its freighter network in Europe. Through its extensive network of freighter and passenger flights, shipments from the US, Latin America and Canada can connect easily to Madrid and Barcelona via the carrier's Toronto hub.

9. U.S. Airlines' March 2022 Fuel Consumption Down 10% from Pre-Pandemic 2019; Aviation Fuel Cost per Gallon Hits 8-year High

The Department of Transportation's Bureau of Transportation Statistics (BTS) on May 4, 2022 released U.S. airlines' March Fuel Cost and Consumption numbers indicating U.S. scheduled service airlines used 1.38 billion gallons of fuel, 20.3% more fuel than in February 2022 (1.14B gallons) and 9.8% less than in pre-pandemic March 2019. The cost per gallon of fuel in March 2022 (\$3.04) was up 44 cents (16.7%) from February 2022 (\$2.60) and up \$1.02 (50.5%) from March 2019. Total March 2022 fuel expenditure (\$4.18B) was up 40.4% from February 2022 (\$2.98B) and up 35.3% from pre-pandemic March 2019.

10. Passenger Traffic Recovery Continues in March

The International Air Transport Association (IATA) announced passenger data for March 2022 demonstrating that the recovery of air travel continues. Impacts from the conflict in Ukraine on air travel demand were quite limited overall while Omicron-related effects continued to be confined largely to Asian domestic markets. The highlights for March 2022 were: 1. Total traffic in March 2022 (measured in revenue passenger kilometers or RPKs) was up 76.0% compared to March 2021. Although that was lower than the 115.9% rise in February year-over-year demand, volumes in March were the closest to 2019 pre-pandemic levels, at 41% below. 2. March 2022 domestic traffic was up 11.7% compared to the year-ago period, far below the 60.7% year-over-year improvement recorded in February. This largely was a result of the Omicron-related lockdowns in China. March domestic RPKs were down 23.2% versus March 2019. 3. International RPKs rose 285.3% versus March 2021, exceeding the 259.2% gain experienced in February versus the

still stronger than pre-pandemic levels, May 12, 2022, www.ajot.com
21. Star Alliance celebrates 25th anniversary as the world's first and leading airline alliance, May 13, 2022, www.aircanada.ca
22. Accelerate Asia-Pacific Aviation Recovery, May 17, 2022, www.iata.org
23. Weekly aircraft movements, April 30 to May 6, 2022, May 22, 2022, www.statcan.gc.ca
24. Air Travel Consumer Report: March 2022 and 1st Quarter 2022 Numbers, May 19, 2022, www.dot.gov
25. Cargojet CEO suggests labour shortages suggest 'almost recessionary economy', May 20, 2022, www.financialpost.ca
26. Transport Canada to conduct a public interest assessment regarding proposed acquisition of Sunwing Vacations and Sunwing Airlines by WestJet Airlines Ltd., May 20, 2022, www.tc.gc.ca
27. WestJet ratifies 10-year agreement with WestJet flight dispatchers, May 25, 2022, www.westjet.ca
28. Weekly aircraft movements, May 7 to 13, 2022, May 25, 2022, www.statcan.gc.ca
29. Aircraft movement statistics: Major airports, March 2022, March 26, 2022, www.statcan.gc.ca
30. Monthly civil aviation statistics, March 2022, March 26, 2022, www.statcan.gc.ca

year-earlier period. Most regions boosted their performance compared to the prior month, led by carriers in Europe. March 2022 international RPKs were down 51.9% compared to the same month in 2019.

11. Important Notice from the CTA on the Flair determination

Flair has submitted its response to the preliminary determination issued by the Agency on March 3, 2022. The Agency is in the process of reviewing it. The Panel will consider all evidence and if it determines at the end of the process that Flair is not Canadian, Flair's licences would be suspended. On June 1st 2022, the Agency will issue a final public determination with reasons and conclusions.

12. U.S. Cargo and Passenger Airlines Add 6,546 Jobs in March 2022 for New COVID-19 Pandemic High; Employment Remains 1.0% Below Pre-Pandemic February 2020

U.S. airline industry (passenger and cargo airlines combined) employment increased to 745,836 workers in March 2022, 6,546 (0.89%) more workers than in February 2022 (739,290) and 7,546 (1.0%) fewer than in pre-pandemic February 2020 (753,382). U.S. scheduled-service passenger airlines employed 489,394 workers in March or 66% of the industry-wide total. Passenger airlines added 6,957 employees in March for an eleventh consecutive month of job growth dating back to May 2021. Delta Air Lines led scheduled passenger carriers, adding 1,450 employees; American Airlines added 1,447 employees, and United Airlines added 1,341. U.S. cargo airlines employed 276,855 workers in March 2022, 37% of the industry total. Cargo carriers lost 374 employees in March 2022. FedEx, the leading air cargo employer, decreased employment by 479 jobs.

13. Lufthansa, Air France predict bumper summer, wary over costs

Europe's biggest airlines are growing increasingly confident that the easing of coronavirus restrictions will kick off a summer boom as a surge in bookings spurs them to lift capacity. Deutsche Lufthansa AG and Air France-KLM are less certain about prospects going deeper into the year, with the German company saying that fuel prices are tough to predict and that it's not clear how far increasing household costs will weigh on demand. Both carriers reported a strong start to 2022 after the impact from the omicron variant of Covid-19 quickly faded. Lufthansa said that demand has "recovered faster and stronger than expected in recent weeks," while Air France-KLM Chief Executive Officer Ben Smith said that corporate and premium sales have begun to revive, following an already strong upward trend in leisure demand. European airlines are adding seats and flights as the dropping of travel curbs opens up markets after two years of upheaval, with Lufthansa planning to deploy 2022 capacity equal to 75% of the 2019 level, up from 70% previously. At the same time a jump in costs for everything from fuel to staff is pressuring margins, pushing carriers to raise fares—something that might not be sustainable as household budgets come under pressure.

Important Notice from the CTA on the Flair determination, May 5, 2022, www.cta-otc.gc.ca

14. Ciao Roma! WestJet takes off for The Eternal City

WestJet last night launched its long-awaited service to Rome with the departure of WestJet flight 32 from YYC Calgary International Airport at 6:20 p.m. local time. This first ever scheduled connection between Calgary and Rome, operated on WestJet's 320-seat 787 Dreamliner, marked a major milestone in the recovery of Alberta's travel and tourism industry and was celebrated alongside The Honourable Rajan Sawhney, Alberta's Minister of Transportation and Bob Sartor, President and CEO, YYC Calgary Airport Authority. Photos and video b-roll from the event are available for download [here](#).

15. Lufthansa rides cargo boom with Boeing air-freighter order

Deutsche Lufthansa AG ordered 10 more Boeing Co. cargo jets, as the carrier looks to keep pace with booming global demand for air freight services. The airline's cargo division ordered three additional Boeing 777F freighters to enter its fleet in the short-term and seven 777-8F cargo jets to enter service from 2027 onwards. The order comes after Lufthansa's cargo division posted record profits last year, helped by a worldwide surge in air freight rates. "Demand for air freight remains persistently high. Global supply chains continue to be disrupted," Lufthansa said in a statement, adding that one of the 777F freighters is currently flying with another airline and will be transferred to its fleet within weeks. Air-cargo demand has reached record levels during the coronavirus pandemic, fueled by disruption to international shipping routes as supply lines fracture and containers stack up in the wrong place, together with a shift to more time-sensitive online shopping that's expected to persist beyond the crisis.

16. The Future of Drones in Transportation and Logistics

The logistics industry is the leader of the pack when it comes to using drones. Although still not fully developed, there are plenty of potential use cases of cargo UAVs (Unmanned Aerial Vehicles). So, today we're talking about the future of drones in transportation and logistics. In the last few years, the competition to launch passenger drones caught the eye of the public. And there's no surprise here. At the end of the day, the idea is both fun and convenient. However, the real progress when it comes to these is happening in the logistics sector. While flying taxis are cool, this is not a proven technology. And the same can't be said for the cargo drones. We've already seen them delivering in backyards and taking medications to inaccessible locations. There are even UAVs transporting parts from one side of the warehouse to another. And the best thing is that these can be used in numerous industries. As a matter of fact, drones

are affecting the construction industry already. The future is still to be explored.

17. Air Cargo Container Market - 62% of Growth to Originate from APAC

The global air cargo container market size is expected to grow by USD 203.69 million from 2021 to 2026, at a CAGR of 4.85% as per the latest market report by Technavio. 62% of the market's growth will originate from APAC during the forecast period. China, Japan, and India are the key markets for APAC in air transportation.

18. Weekly aircraft movements, April 23 to 29, 2022

Weekly data on aircraft itinerant movements are now available for April 23 to 29, 2022. For the week ending April 23, 2022 domestic movements were 44,995 compared to 39,322 for the week ending April 16, 2022.

19. February 2022 U.S. Airline Traffic Data

U.S. airlines carried 66.2 million systemwide (domestic and international) scheduled service passengers in February 2022, seasonally-adjusted, according to the Bureau of Transportation Statistics' (BTS), up 9.2% from January 2022. BTS reported 59.3 million domestic passengers and 6.9 million international passengers on U.S. airlines flights in February.

20. Ontario International Airport cargo volume still stronger than pre-pandemic levels

The number of passengers who traveled through Southern California's Ontario International Airport (ONT) in April was nearly 7% above the April 2019 total, beating pre-pandemic levels for the second straight month, officials announced on May 12, 2022. Total ONT passenger volume was almost 476,000 last month, 6.92% more than April three years ago. The number of domestic travelers increased by 9.65% to more than 461,000. Passenger traffic increased by 4% in March compared with the same month in 2019.

21. Star Alliance celebrates 25th anniversary as the world's first and leading airline alliance

Star Alliance and its 26-member carriers will celebrate the 25th anniversary of the world's first and leading global airline alliance on Saturday, May 14, 2022. This bold vision was established in 1997 based on a customer value proposition of global reach, worldwide recognition, and seamless service. It continues today by leveraging technology to foster a harmonious experience for customers. "We reflect on the successes of Star Alliance in uniting the leading global airlines, with an eye firmly focused on a future where the customer continues to be at the heart of our work and our global network," said Jeffrey Goh, CEO of Star Alliance. "I am very excited for the innovations led by Star Alliance and our members carriers as we aim to be the most digitally advanced airline alliance offering seamless travel experiences with a unique loyalty proposition. This year, we look forward to further developments in seamless connectivity — such as new digital and mobile innovations — and exciting industry-first offers that loyal customers of our member carriers will welcome," Goh added. The 26-airline alliance's robust customer-centric vision is encapsulated by a new brand tagline: 1. "Together. Better. Connected." 2. Continued focus on innovations in customer experience, loyalty, and technology.

22. Accelerate Asia-Pacific Aviation Recovery

The International Air Transport Association (IATA) has urged Asia-Pacific states to further ease border measures to accelerate the region's recovery from COVID-19. "Asia-Pacific is playing catch-up on restarting travel after COVID-19, but there is growing momentum with governments lifting many travel restrictions. The demand for people to travel is clear. As soon as measures are relaxed there is an immediate positive reaction from travelers. So it is critical that all stakeholders, including governments are well-prepared for the restart. We cannot delay. Jobs are at stake and people want to travel," said Willie Walsh, IATA's Director General, in his keynote address at the Changi Aviation Summit. The Asia-Pacific region's international passenger demand for March reached 17% of pre-COVID levels, after having hovered at below 10% for most of the last two years. "This is far below the global trend where markets have recovered to 60% of pre-crisis levels. The lag is because of government restrictions. The sooner they are lifted, the sooner we will see a recovery in the region's travel and tourism sector, and all the economic benefits that will bring," said Walsh.

23. Weekly aircraft movements, April 30 to May 6, 2022

Weekly data on aircraft itinerant movements are now available for April 30 to May 6, 2022. Total domestic movements for the week ending April 30, 2022 were 45,975 compared to 44,995 for the week ending April 23, 2022.

24. Air Travel Consumer Report: March 2022 and 1st Quarter 2022 Numbers

The U.S. Department of Transportation on May 19, 2022 released its Air Travel Consumer Report (ATCR). In March 2022, the COVID-19 pandemic continued to result in significant changes to airline schedules and operations. The 581,434 flights operated in March 2022 were 86.1% of the 675,659 flights operated in pre-pandemic March 2019. Operated flights in March 2022 were up 26.1% year-over-year from the 461,222 flights operated in March 2021 and up 17.1% month-over-month from the 496,531 flights operated in February 2022. In March 2022, reporting marketing carriers posted an on-time arrival rate of 77.2%, up from 76.6% in February 2022 and down from 80.9% in pre-pandemic March 2019. The year-to-date on-time arrival rate for 2022 is 76.4%. In March 2022, reporting marketing carriers canceled 1.5% of their scheduled domestic flights, lower than both the rate of 4.5% in February 2022, and the rate of 2.0% in pre-pandemic March 2019. In March 2022, reporting marketing carriers handled 42.0 million bags and

posted a mishandled baggage rate of 0.57%, a lower rate than the February 2022 rate of 0.60% and higher rate than the pre-pandemic March 2019 rate of 0.54%. The ATCR and other aviation matters of interest to the public can be found at <https://www.transportation.gov/airconsumer>.

25. Cargojet CEO suggests labour shortages suggest 'almost recessionary economy'

Cargojet Inc. chief executive Ajay Virmani said fuel prices and labour challenges suggest a recession is looming. “All the challenges that you see out there [are] pointing towards almost a recessionary economy,” he said in an interview with the Financial Post’s Larysa Harapyn. Virmani has a unique sightline on what’s happening in the economy. Cargojet had a good crisis, as the Mississauga, Ont.-based airline tripled its loads as consumers started ordering goods for delivery that they typically would have purchased at a store. Year-over-year revenue growth increased by 46 per cent in the quarter ended March 31, rising to \$233.6 million from \$160.3 million in the first quarter of last year. Despite beating earnings expectations, Virmani said that business has levelled off since 2021. “That was a bit of a different story,” he said. “Today, it’s a very different picture.”

26. Transport Canada to conduct a public interest assessment regarding proposed acquisition of Sunwing Vacations and Sunwing Airlines by WestJet Airlines Ltd.

On April 8, 2022, WestJet Airlines Ltd. and Sunwing Travel Group notified the Minister of Transport that WestJet proposes to acquire Sunwing Vacations and Sunwing Airlines. This notification was in accordance with the mergers and acquisitions provisions of the Canada Transportation Act. The Minister of Transport has determined that the transaction raises public interest considerations related to national transportation. As such, a public interest assessment of the proposed transaction will be conducted with input from the Commissioner of Competition, who will assess impacts on competition. The public interest assessment will include consultations with the air industry and other stakeholders, other government departments, other levels of government, as well as the public. The assessment will include an analysis of the economic benefits or challenges resulting from the proposed transaction. Canadians are encouraged to have their say on letstalktransportation.ca. Under the Canada Transportation Act, Transport Canada has up to 150 days to complete this public interest assessment. However, the Minister has the authority to grant an extension should extra time be necessary. Considering the size and scope of the proposed transaction, an extra 50 days has been granted to both Transport Canada and the Commissioner of Competition, to ensure sufficient time for thorough analysis and assessment.

27. WestJet ratifies 10-year agreement with WestJet flight dispatchers

WestJet on May 25, 2022 announced that WestJet flight dispatchers, represented by the Canadian Airline Dispatchers Association (CALDA), voted more than 90 per cent in favour of a 10-year agreement. This ratified agreement starts June 1, 2022 and expires on May 31, 2032.

28. Weekly aircraft movements, May 7 to 13, 2022

Weekly data on aircraft itinerant movements are now available for May 7 to 13, 2022. For the week ending May 7, 2022 total domestic movements were 51,301 compared to 45,975 on April 30, 2022.

29. Aircraft movement statistics: Major airports, March 2022

In March 2022, exactly two years into the COVID-19 pandemic, there were 375,833 aircraft movements at Canada's major airports. This number was an increase of 6.2% from the same month in 2021 and almost three-quarters (74.2%) of the number recorded in March 2019, before the pandemic. Movements within Canada, to the United States and abroad all edged closer to pre-pandemic levels in March, signalling a rebound from the disruptions caused by the Omicron variant at the start of 2022.

30. Monthly civil aviation statistics, March 2022

Two years into the COVID-19 pandemic, passenger numbers, traffic and capacity all reached their highest levels since March 2020. Major Canadian airlines carried 4.2 million passengers on scheduled and charter services in March 2022, surpassing four million for the first time in two years. While this was more than eight times the number of passengers carried in March 2021, it was 55.2% of the level reported in March 2019, prior to the pandemic. With traffic at 10.4 billion passenger-kilometres and capacity at 13.6 billion available seat-kilometres, the passenger load factor (the ratio of passenger-kilometres to available seat-kilometres) was 76.6% in March.

WATER TRANSPORTATION

1. Government of Canada puts important measures in place to protect Southern Resident killer whales

On April 29, 2022, the Minister of Transport, the Honourable Omar Alghabra, the Minister of Fisheries, Oceans and the Canadian Coast Guard, the Honourable Joyce Murray, and the Minister of Environment and Climate Change Canada and Minister responsible for Parks Canada, the Honourable Steven Guilbeault, announced protective measures for Southern Resident killer whales on the West Coast.

2. The Government of Canada outlines 2022 measures to protect Southern Resident killer whales

The Government of Canada recognizes that Southern Resident killer whales face imminent threats to their survival, and that protecting these iconic marine mammals requires comprehensive and immediate action. The focus of our measures is on addressing the primary threats to Southern Resident killer whales: reduced prey availability and accessibility, acoustic and physical disturbance, and contaminants.

3. Suez Canal sees record revenues in April

Egypt's Suez Canal said on May 1, 2022 that its monthly revenues hit an all-time record, raking in US\$629 million in April 2022. The unprecedented income came as the Suez Canal in March 2022 increased transit fees for ships passing through the waterway. Adm. Ossama Rabei, head of the Suez Canal Authority, said in a statement that 1,929 vessels sailed through the Suez Canal last month, compared to 1,814 in April 2021. He said the revenues rose by 13.9 percent compared to April last year (2021) when the crucial waterway received \$553.6 million. About 10 percent of global trade, including seven percent of the world's oil, flows through the Suez Canal, which connects the Mediterranean and Red seas. The canal, which first opened in 1869, is a major source of foreign currency to Egypt.

4. Automated ports see West Coast dockworkers clock more hours

Employers at West Coast ports at the center of the U.S. supply-chain crisis released a study extolling the benefits of automation a week before the start of labor talks where the issue is set to feature. Paid hours at the two automated terminals in the San Pedro Bay complex—which includes the ports of Los Angeles and Long Beach—have increased 31.5% since 2015. That's more than twice the rate at the 11 non-automated terminals, according to the study led by University of California at Berkeley professor Michael Nacht published on May 2, 2022. Since 2019, automated terminals—which have software-assisted cranes, autonomous vehicles and digital checkpoints among other things—have processed containers twice as quickly as conventional ones. “Contrary to the ILWU’s concerns, automation at San Pedro Bay ports has added work, not come at its expense,” Nacht and co-author Larry Henry wrote. “Higher cargo throughput will create port-related jobs and add employment throughout the supply chain. Conversely, failing to adapt threatens to drive cargo to other ports, with a cascading loss of jobs on the docks and throughout the regional economy.” The study was commissioned by the Pacific Maritime Association, which serves as a labor broker for carriers and terminal companies at 29 West Coast ports, and has long fought for their right to automate. Automation is “the key to long-term survival, long-term competitiveness,” PMA Chief Executive Officer Jim McKenna said in an interview last month. “If we do nothing, we’re done.”

5. Ridley Terminals rebrands to reflect indigenous ownership

Ridley Terminals, the largest bulk export terminal at the Port of Prince Rupert has been renamed Trigon Pacific Terminals Limited. Formerly a Crown Corporation, the terminal is now privately owned by AMCI Group, Riverside Holdings and the Lax Kw'alaams Band and Metlakatla First Nation. The

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1. Government of Canada puts important measures in place to protect Southern Resident killer whales, April 29, 2022, www.tc.gc.ca
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3. Suez Canal sees record revenues in April, May 2, 2022, www.insidelogistics.com
4. Automated ports see West Coast dockworkers clock more hours, May 2, 2022, www.ajot.com
5. Ridley Terminals rebrands to reflect indigenous ownership, May 4, 2022, www.insidelogistics.ca
6. Port of Montreal sees throughput rise in 2021, May 4, 2022, www.insidelogistics.ca
7. Containership operators peak on a historic wave, April 2022, www.ajot.com
8. Port of Halifax-Accumulated Container Traffic January to March 2022, May 5, 2022, www.portofhalifax.ca
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10. Container volume at eight major Chinese port declined by 5.7% year-on-year in mid-April affected by the recent Covid outbreaks in Yangtze River delta region, May 6, 2022, www.seatrade-maritime.com
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14. West Coast labour talks begin amid continued backlogs, May 9, 2022, www.insidelogistics.com
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17. U.S. ports report record imports in March, May 10, 2022, www.insidelogistics.ca
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20. Canada's greenest transportation sector is moving toward net-zero emissions by 2050, May 13, 2022, www.nationalpost.ca
21. Canada Steamship Lines' new diesel-electric self-unloading vessel, MV Nukumi, May 16, 2022, www.insidelogistics.ca
22. Canadian West Coast ports have no buffer for US cargo diversions, May 16, 2022, www.joc.com
23. Port of Long Beach has record-setting April, May 16, 2022, www.ajot.com
24. Port of Seattle, City and Borough of

federal government sold its stake in 2019. The three-pointed “trigon” that will now be the visual identifier of the terminal is a design element frequently seen in indigenous art. The “trigon” represents the concepts of transition and upward movement, and was chosen because it speaks to Trigon’s ownership, connection to the community and vision for the future. “Our new identity is about looking forward while honouring Coast Tsimshian culture and traditions, as we advance our company’s commitment to reconciliation through both indigenous ownership and a strong, sustainable operation,” said Trigon president and CEO Rob Booker in a press release.

6. Port of Montreal sees throughput rise in 2021

The Port of Montreal saw container and dry bulk throughput increase in 2021, against stable revenues. The Montreal Port Authority (MPA) presented the port’s 2021 operating results at its annual meeting. “The past year tells us one thing, and that is how necessary it is to be able to adapt, no matter what the circumstances, to disruptions, unforeseen events and factors outside the normal course of operations that can affect the supply chain,” said Martin Imbleau, president and CEO of the MPA. “As a public service, we are doing everything we can to ensure the future of the Port of Montreal. We do this for local businesses that import and export products that are indispensable to their operations and vitality and, bottom line, we do this for the ultimate client, namely the consumer, the citizen.”

7. Containership operators peak on a historic wave

In 2021 containership operators rode a historic wave to record profits. It was like the 100-year wave, - a once in a generation event generated by a concentration of ships and slots in few hands and pent-up consumer demand. But persistent problems in the supply chain have sparked new OSRA legislation and in the shipping industry what goes up usually comes down. In the AJOT’s Top 50 Containership Ocean Carriers derived from Alphaliner figures, the Top Ten containership operators dominate the entire industry. Just how dominant are the top ten? The entire cellular fleet contains just over 25 million TEU and the Top Ten carriers account for 21.5 million of that total,

or around 86% of the slot capacity. And the industry dominance isn’t likely to end soon as the orderbook for containerships is also weighted heavily at the top with 368 ships of over 4.5 million TEU on order. More importantly is the collaborative advantage at the top. Nine of the top ten carriers are in one of the three “alliances.” And Zim, which holds the tenth slot on the list, has an agreement with the 2M Alliance. In looking at the top liner shipping companies, the ascendancy of Mediterranean Shipping Corp (MSC) to the number one position (in terms of capacity) over fellow 2M Alliance partner Maersk, isn’t really that much of a surprise. MSC has been steadily growing over the last decade and the two carriers have been jockeying for the top spot for a few years now. What is interesting about the flip flop at the top is the number of ships that MSC has on order. Privately held, the Geneva-based MSC largely has grown organically whereas most of the top carriers experienced significant growth through the M&A splurge that immediately followed the Hanjin bankruptcy in 2017. Another carrier carrying a big orderbook is Evergreen Marine. Taiwan-based Evergreen in the 7 slot, has 63 ships on order with a capacity of 623,228 TEU – trailing only MSC’s 1.1 million TEU orderbook capacity. Evergreen is likely to overtake Japan’s ONE in the near term.

8. Port of Halifax-Accumulated Container Traffic January to March 2022

The Port of Halifax released its container traffic (TEUs) for the first quarter of 2022 on May 5, 2022. Total traffic was 125,052 compared to 138,240 for the same quarter a year ago, a -9.5% decline. Total imports were 65,151 compared to 71,930 a year ago, a -9.4% decline. Total exports were 59,901 compared to 66,310 a year ago, -9.7% decline.

9. FMC expands capacity, pricing monitoring of alliances

Amid heightened scrutiny from Washington, US regulators want the three major container shipping alliances to report more detailed information on pricing and capacity deployment on services in which they share slot capacity.

10. Container volume at eight major Chinese port declined by 5.7% year-on-year in mid-April affected by the recent Covid outbreaks in Yangtze River delta region

Export container volumes dropped 4.1% while the domestic volumes declined 9.9% in mid-April 2022. For early to mid-April, container volume at eight major Chinese ports declined 2.6% year-on-year. Cargo throughput at major coastal hub ports declined 5.2% while international trade cargo throughput dropped 4.9%. Shanghai port container handling drops 25% in April lockdown.

Juneau, Vancouver Fraser Port Authority, and leading global cruise lines to explore feasibility for first-of-its-kind ‘Green Corridor’, May 17, 2022, www.portofmetrovancover.ca

25. US Great Lakes shipping reports mixed results; signs for optimism, May 17, 2022, www.ajot.com

26. Long Beach sets record but East, Gulf Coast ports’ gains bigger, May 17, 2022, www.freightwaves.com

27. Port of Toronto sees revenues build in 2021, May 19, 2022, www.insidelogistics.ca

28. Digitization top of mind at global ports conference, May 19, 2022, www.insidelogistics.ca

29. Great Lakes ports benefiting from robust breakbulk trends, May 19, 2022, www.ajot.com

30. San Pedro Bay Ports Set April Records, May 24, 2022, www.railwavage.com

31. Hapag Lloyd celebrates 175 years, May 24, 2022, www.insidelogistics.ca

32. Middle Eastern ports the world’s most efficient, study says, May 25, 2022, www.insidelogistics.ca

33. Shanghai port rebounds as lockdown loosens but backlog remains, May 26, 2022, www.ajot.com

34. Government of Canada announces funding to support safe boating during North American Safe Boating Awareness Week, May 26, 2022, www.tc.gc.ca

35. Port of Vancouver ranks among the worst in the world, according to World Bank report, May 30, 2022, www.nationalpost.ca

36. Biggest US ports rank as world’s least efficient for containers new report shows, May 26, 2022, www.ajot.com

11. Prince Rupert's cruise season gets major boost with addition of regular calls from Ruby Princess

The Port of Prince Rupert is adding 16 new vessel calls to its upcoming cruise schedule that has the potential to bring upwards of 46,000 additional cruise passengers – about a 330% increase from the previously published schedule – to the community this spring and summer. The Ruby Princess, operated by Princess Cruises, will make her inaugural call on Prince Rupert on Tuesday May 17th and will include the Port as a regular stop on the ship's Alaska itinerary approximately every 10 days. With a capacity of 4,180 passengers and crew, the Ruby Princess will significantly increase cruise visitor and vessel call volumes to Prince Rupert this year. The Port of Prince Rupert now expects 43 cruise vessel calls and approximately 60,622 passengers in total to visit Prince Rupert between now and September 30th.

12. Key milestone reached to carry out the Port of Montreal Contrecoeur expansion

The Montreal Port Authority (MPA) is pleased to announce that a new phase is underway to complete its major expansion project in Contrecoeur, as three bid respondents qualified. At a time when Montreal's facilities will soon reach maximum capacity, this expansion project will result in increased efficiency and competitiveness for the businesses served by Montreal's port facilities. This investment, estimated at between \$750 and \$950 million, will generate close to 8,000 direct, indirect and induced jobs during construction and 1,200 permanent jobs during operation. In total, it is expected that approximately 80% of the economic benefits will be in Quebec.

13. IMF: Rising ocean shipping costs to bring wave of higher prices

Research from the International Monetary Fund substantiates the correlation between “volatile” global shipping costs and inflation. “Studying data from 143 countries over the past 30 years, we find that shipping costs are an important driver of inflation around the world: When freight rates double, inflation picks up by about 0.7 percentage point. Most importantly, the effects are quite persistent, peaking after a year and lasting up to 18 months. This implies that the increase in shipping costs observed in 2021 could increase inflation by about 1.5 percentage points in 2022,” the study's authors, Yan Carriere-Swallow, Pragyant Deb, Davide Furceri, Daniel Jimenez and Jonathan D. Ostry, wrote in an IMF blog. They noted that more than 80% of the world's traded goods travel by ocean in forty-foot equivalent units. And as reported by FreightWaves/American Shipper, the sharp increase in the cost of shipping goods by ocean has created a wave of speculation about the future of the global economy.

14. West Coast labour talks begin amid continued backlogs

Contract negotiations between 22,000 workers at 29 West Coast ports and representatives of shipping companies will begin next week with automation and its impact on jobs emerging as a major point of contention amid supply chain issues. Talks between the International Longshore and Warehouse Union and the Pacific Maritime Association will take place against the backdrop of pandemic safety issues, surging imports that left backlogs of ships anchored offshore, and declining exports. The current contract expires July 1, 2022. Negotiations are expected to extend past that date, Pacific Maritime Association President and CEO Jim McKenna said on May 6, 2022 during an online briefing hosted by Port of Los Angeles Executive Director Gene Seroka.

15. B.C. Ferries to increase fare surcharge June 1 due to record fuel prices

The surcharge increase expected next month will total 45 cents per adult ticket and \$2 per vehicle and driver on routes linking Metro Vancouver and Vancouver Island. For inter-island routes, the surcharge will total 25 cents per adult ticket and \$1.05 per vehicle and driver. B.C. Ferries is increasing its fuel surcharge on all routes beginning June 1, due to the recent spike in record-setting gas prices. The ferry company will increase its fuel surcharge from one per cent to 2.5 per cent beginning next month. The company generally adds a surcharge, issues rebates on fares or neither to manage the cost of fuel. The surcharge or rebate is regulated by the B.C. Ferries commissioner. The surcharge increase expected next month will total 45 cents per adult ticket and \$2 per vehicle and driver on routes linking Metro Vancouver and Vancouver Island. For inter-island routes, the surcharge will total 25 cents per adult ticket and \$1.05 per vehicle and driver. “The company does not benefit financially from surcharges or rebates,” read a news release announcing the increase.

16. Port Saint John commits to renewable energy sources

Port Saint John is one of the first companies to receive Renewable Energy Certificates (RECs) from Saint John Energy. RECs are internationally recognized certificates designed to help energy buyers achieve net-zero goals by certifying that they are buying electricity from a renewable source. The renewable energy will be provided by the Burchill Wind Project, a 42-megawatt wind farm being built by Natural Forces in Lorneville, New Brunswick. The farm will have 10 turbines, and is projected to provide 15 percent of the energy needed for the city of Saint John. It is set to be operating by the end of 2022. It is anticipated the Burchill Wind Project will save 43,680 tonnes in Co2 emissions per year, which is the equivalent to taking 13,382 cars off the road.

17. U.S. ports report record imports in March

Imports at major U.S. retail container ports set a new record this spring and are expected to see near-record volume in May as retailers bring in merchandise early, to get ahead of rising costs and potential supply chain issues. According to

the latest *Global Port Tracker* report, released by the National Retail Federation (NRF) and Hackett Associates, U.S. ports handled 2.34 million TEU in March, the latest month for which final numbers are available. That was up 10.8 percent from February and up 3.2 percent year over year. It also topped the previous record of 2.33 million TEU set in May 2021 for the number of containers imported in a single month since NRF began tracking imports in 2002.

18. SC Ports handles record containers, makes progress on fluidity

South Carolina Ports continues to handle record cargo volumes while making significant progress with terminal and berth fluidity amid ongoing supply chain challenges. SC Ports had its highest April ever for containers handled, marking the 14th consecutive month of cargo records at the Port of Charleston. Strong volumes are driven by sustained retail imports, which were up 34% in April 2022 compared to last year. “With ongoing supply chain challenges and record cargo volumes, SC Ports remains focused on deploying responsive, creative solutions to return terminal and berth fluidity to normalcy for our customers,” SC Ports CEO Jim Newsome said. “We are in a strong position as we have proactively invested more than \$2 billion into our infrastructure ahead of demand.” SC Ports handled 264,099 twenty-foot equivalent container units (TEUs) at Wando Welch Terminal, North Charleston Terminal and Leatherman Terminal in April, up 17% from last year. SC Ports has moved 2.4 million TEUs thus far in fiscal year 2022, from July through April, up 15% fiscal year-over-year.

19. Port Saint John celebrates ten years with container line MSC

Port Saint John is in a period of significant growth with container volumes increasing by 52% over the past five years. This growth was first stimulated in 2012 when MSC, a global leader in transportation and logistics, began calling on Port Saint John. The introduction of this global service was an instrumental step toward the modernization of our container sector, which has been underway over the past decade. Port Saint John is honouring this milestone by donating to the MSC Foundation which has a mission to utilize MSC’s global reach and unique knowledge of the sea to take immediate action that contributes to protecting and nurturing the blue planet and all its people. “MSC saw the future of container shipping through Port Saint John and decided to be a leader 10 years ago, connecting us to the world through their extensive network. They have been a regular caller ever since, and we owe them a debt of gratitude for helping us uncover the potential of our port to other critical logistics partners and sharing our vision of a modernized west side container terminal. We truly appreciate their support and loyalty,” said Andrew Dixon, Chief Operating Officer at Port Saint John.

20. Canada’s greenest transportation sector is moving toward net-zero emissions by 2050

The marine shipping industry is Canada’s greenest transportation mode, and it’s committed to reducing its carbon footprint even more. Key stakeholders in Canada’s inland shipping industry are looking to establish a green transportation corridor in the Great Lakes-St. Lawrence region as part of ongoing efforts to reduce greenhouse gas (GHG) emissions to net zero by 2050. The corridor would integrate new energy-efficient ships, alternative fuel sources, digital processes and other infrastructure improvements to further reduce the already tiny carbon footprint of an industry that is said to be the greenest mode of transport in North America. “There is lots of progress, but we want to do more,” said Bruce Burrows, president and CEO of the Chamber of Marine Commerce (CMC).

21. “There is lots of progress, but we want to do more,” said Bruce Burrows, president and CEO of the Chamber of Marine Commerce (CMC).

In the second week of May 2022, Canada Steamship Lines’ new diesel-electric self-unloading vessel, MV Nukumi, successfully completed its inaugural loading and discharge of deicing salt for dedicated customer, Windsor Salt. “The successful launch of Nukumi’s operations is the culmination of many years of planning with our visionary partner, Windsor Salt, to achieve the next level of safe, sustainable and efficient shipping in the Gulf of St. Lawrence and Great Lakes region,” said Louis Martel, President and CEO, The CSL Group. “We are extremely proud of our vessel’s early performance, which is a testament to the expertise, ingenuity and skill of our design and newbuild teams who conceived Nukumi, and of our seafarers who are now operating this highly sophisticated ship.”

22. Canadian West Coast ports have no buffer for US cargo diversions

Container terminals in Vancouver and Prince Rupert are operating at full capacity, meaning they are unable to handle any cargo diversions from US West Coast ports if longshore contract negotiations there do not go well.

23. Port of Long Beach has record-setting April

The Port of Long Beach achieved its most active April, continuing a streak of single-month records set in 2022. Dockworkers and terminal operators moved 820,718 twenty-foot equivalent units of container cargo in April 2022, up 10% from the previous record set in April 2021. Imports rose 9.2% to 400,803 TEUs, while exports were down 1.8% to 121,876 TEUs. Empty containers moved through the Port increased 16.9% to 298,039 TEUs. “Cargo continues to move at a record-setting pace and may not slow down anytime soon,” said Port of Long Beach Executive Director Mario Cordero. “We are preparing for a likely summertime surge as China recovers from an extended shutdown due to COVID-19. Shippers are quickly moving imports and empties from the docks, terminals are staying open longer and we are working to finalize our new Supply Chain Information Highway data tracking solution.”

24. Port of Seattle, City and Borough of Juneau, Vancouver Fraser Port Authority, and leading global cruise lines to explore feasibility for first-of-its-kind ‘Green Corridor’

The Port of Seattle, City and Borough of Juneau, Vancouver Fraser Port Authority, leading global cruise lines, as well as the Global Maritime Forum, Blue Sky Maritime Coalition, and Washington Maritime Blue announced a new commitment on May 17, 2022 to explore the feasibility of the world’s first cruise-led ‘green corridor.’ Cruise line and industry partners include Carnival Corporation and its cruise brands including Princess Cruises, Holland America Line, Carnival Cruise Line, Seabourn and Cunard; Norwegian Cruise Line Holdings and its cruise brands including Norwegian Cruise Line, Oceania Cruises and Regent Seven Seas Cruises; Royal Caribbean Group including its brands Royal Caribbean International, Celebrity Cruises, and Silversea Cruises; and Cruise Lines International Association, the world’s largest cruise industry trade association. The First Mover Commitment was announced during the International Association of Ports and Harbors World Ports Conference in Vancouver, British Columbia.

25. US Great Lakes shipping reports mixed results; signs for optimism

U.S. Great Lakes ports reported mixed results for the start of the spring shipping season, with gains and losses heavily tied to global trading conditions and Lake Superior ice-breaking resources. U.S. grain exports, steel imports, road salt and containerized goods were strong performers. “Inadequate ice-breaking resources in Lake Superior had a major impact on cargo shipments out of the port of Duluth-Superior, which underlines how much we need new and improved capacity for the U.S. Coast Guard icebreaking fleet,” says Bruce Burrows, President and CEO of the Chamber of Marine Commerce. “On a more positive note, grain exports from U.S. ports were in strong demand along with shipments of salt, steel and containers. We expect that the demand for different cargo segments will continue to be impacted by fluctuating prices and trade flows related to global supply chain issues and the Russia/Ukraine conflict.” Overall cargo shipments (from March 22 to April 30) via the St. Lawrence Seaway totaled 3.5 million metric tons, down by 18 percent compared to the same period in 2021. Iron ore volumes were down 23 per cent. Year-to-date U.S. grain shipments via the Seaway totaled 176,000 metric tons, up 175 percent compared to 2021. Road salt shipments were also up 21 percent, as Canadian mines delivered to cities throughout the bi-national region.

26. Long Beach sets record but East, Gulf Coast ports’ gains bigger

“Cargo continues to move at a record-setting pace and may not slow down anytime soon,” according to Mario Cordero, executive director of the Port of Long Beach. The port on California’s San Pedro Bay recorded its busiest April ever. Its neighbor, the Port of Los Angeles, had the second-busiest April in its history even though it posted a year-over-year cargo volume decrease. But the strongest performances in April took place at ports on the Gulf and East coasts. The Port of Long Beach last month moved 820,718 twenty-foot equivalent units, up 10% from the previous record set in April 2021. Imports increased 9.2% year-over-year to 400,803 TEUs, while exports dipped 1.8% to 121,876 TEUs. “The 10 largest U.S. ports saw inbound box volume grow 7.1% in April, an increase from the 3.5% gain in March but below February’s 13.7% gain,” maritime expert John McCown wrote in *The McCown Report*. April’s overall inbound volume at the top 10 ports of 2,189,744 TEUs was the third-highest total ever and just 1.8% below the record 2,230,919 TEUs set just a month earlier, McCown said. “April was the 11th straight month in which the year-over-year percent change in volume at East/Gulf Coast ports outperformed West Coast ports,” he noted. “In April, there was a 22.1 percentage-point coastal gap resulting from an 18.7% gain at East/Gulf Coast ports and a 3.4% decline at West Coast ports. This is the fourth-highest monthly gap ever in those measures and above the average 16.6 percentage-point difference over the 11-month period.”

27. Port of Toronto sees revenues build in 2021

The Port of Toronto (PortsToronto) moved more than two million tonnes of cargo in 2021, for the fifth year in a row. The marine portion of the port, which also includes Billy Bishop Airport, reported operating income from all sources of \$5.5 million, up from \$4.4 million the year before. The gains were attributed to cargo handling and dues, port berthage and storage. There were 190 ship visits in 2021, bringing sugar, salt, cement, aggregate and steel directly to the heart of the city. Twenty-five ships brought in steel imports from around the world, representing an 18-year high. The Port of Toronto also saw the arrival of three bridge spans from Nova Scotia via tug/barge for Waterfront Toronto’s Port Land Flood Protection project, and was critical in providing berthing for marine equipment in support of the new City of Toronto Ashbridge’s Bay Sewer Treatment Plant Outfall Project.

28. Digitization top of mind at global ports conference

Port Metro Vancouver is playing host to the International Association of Ports and Harbours conference this week. More than 400 port and maritime professionals are at the conference, which is the first meeting of the group since 2019. This year’s event is focusing on digitizing communications and processes between ship and shore. Robin Silvester, president and CEO of Vancouver Fraser Port Authority, and vice-president, North American region at IAPH, welcomed delegates. “It’s great to welcome port leaders to Vancouver for our first in-person World Ports Conference since 2019, to discuss how we can work together to build our resiliency as global ports,” he said.

29. Great Lakes ports benefiting from robust breakbulk trends

Canadian and U.S. Great Lake ports are upbeat about cargo prospects in 2022. Throughout US and Canadian ports on the Great Lakes, stakeholders involved in breakbulk activity are similarly upbeat over cargo prospects in 2022. This notably follows the solid increase in steel and iron ore cargoes that allowed the St. Lawrence Seaway to post a total throughput of 38 million tons in 2021, despite the decline in grain traffic. The 2021 total was slightly above the previous year as the COVID-19 pandemic continued to impact global supply chains, ports and transportation providers. Last year, one should recall, grain crops suffered from drought conditions in western Canada and the US Midwest region. On the breakbulk side, statistics on combined US and Canadian traffic from Seaway sources for individual items confirmed a dynamic trend. Iron and Steel was up 109% at 2,695,000 tons. Steel slabs climbed to 748,000 tons. Terence Bowles, the president and CEO of the St. Lawrence Seaway Management Corporation (SLSMC), anticipates a busy navigational season in 2022. “In 2021, volumes went up 1.6 per cent from the previous year, but if you remove grain from that equation because of the approximately 20% drop in harvest due to drought, everything else was almost 13% higher,” Bowles says. “So that gives us some idea of how much the economy has kicked up since the pandemic shutdown in 2020 and why we can be optimistic.”

30. San Pedro Bay Ports Set April Records

The ports of Los Angeles and Long Beach, Calif., handled 887,357 TEUs (Twenty-Foot Equivalent Units) and 820,718 TEUs, respectively, in April 2022. Volumes are expected to grow this summer once COVID-19 lockdowns end in China. The Port of Los Angeles marked its second-best April, following only April 2021, when it posted a record 946,966 TEUs. Four months into 2022, the port has processed more than 3.5 million TEUs, 1% ahead of last year’s “record pace,” it said. April 2022 loaded imports reached 456,670 TEUs, 6.8% lower than the same month last year, but 17% higher than the five-year April average of 390,000 TEUs. Loaded exports came in at 99,878 TEUs, a 12.7% decline compared with the same period last year. Exports have fallen 38 of the last 42 months in Los Angeles, according to the port. Empty containers reached 330,810 TEUs, down 3.4% from last year.

31. Hapag Lloyd celebrates 175 years

On May 27, 1847 – 175 years ago – a group of shipowners and merchants founded the Hamburg-Amerikanische Packetfahrt-Actien-Gesellschaft (Hapag) in Hamburg. The Deutschland and Nord-Amerika packet sailing-ships had initially were passenger carriers. In 1970 Hapag-Lloyd AG emerged from Hapag’s merger with Bremen-based North German Lloyd. Further acquisitions followed, such as those of Canadian Pacific (2005), CSAV (2014), UASC (2017), NileDutch (2021) and the intended incorporation of the container liner business of DAL (2022). Today, Hapag-Lloyd is the fifth-largest container liner shipping company in the world and the largest shipping company in Germany.

32. Middle Eastern ports the world’s most efficient, study says

Ports in the Middle East took four of the top five spots in the second edition of the global Container Port Performance Index (CPPI) developed by the World Bank and S&P Global Market Intelligence. CPPI is a comparable index of global container port performance intended to serve as a reference point for key stakeholders in the global economy. Saudi Arabia’s King Abdullah Port tops the ranking in 2021, with regional competitors Port Salalah in Oman, Hamad Port in Qatar and Khalifa Port in Abu Dhabi rounding out the top five. Saudi Arabia’s Jeddah Islamic Port was eighth overall.

33. Shanghai port rebounds as lockdown loosens but backlog remains

Daily operations at Shanghai’s port have almost fully recovered from the effects of the city’s Covid-19 lockdown, though the backlog from disruptions to the port and nearby factories will likely continue to cause shipping congestion well into the year. Daily container throughput—a measure of cargo handling activity—at Shanghai port has rebounded to 95.3% of the normal level, Ministry of Transport official Li Huaqiang said on May 26, 2022, according to Chinese state media. Cargo throughput at major Chinese ports between May 1 and May 24 was up 4.2% from the same period in April, but down almost 1% compared to 2021, he said. However, the improvement in the port hasn’t been accompanied by a rebound in trucking, as a shortage of drivers and vehicles continues to hamper the delivery of goods to and from the port.

34. Government of Canada announces funding to support safe boating during North American Safe Boating Awareness Week

The Government of Canada is committed to raising awareness about safe boating practices and continuing to support the work of organizations who help foster safety on the water. With North American Safe Boating Awareness Week underway, the Parliamentary Secretary to the Minister of Transport, the Honourable Annie Koutrakis, announced \$1.4 million in funding for recreational boating safety projects under Canada’s Boating Safety Contribution Program.

35. Port of Vancouver ranks among the worst in the world, according to World Bank report

The Port of Vancouver — the main gateway for consumer goods entering Canada from the manufacturing powerhouses in Asia — is among the worst performers, ranking 368th out of 370 ports around the world, according to a new report. The ranking is based on data gathered in 2021, an unusual year that saw global demand recover surprisingly quickly from the epic collapse caused by early waves of COVID-19. The ranking is based on data gathered in 2021, an unusual year that saw global demand recover surprisingly quickly from the epic collapse caused by early waves of COVID-19.

36. Biggest US ports rank as world's least efficient for containers new report shows

The supply-chain crisis that has clogged the US logistics network has made the country's two largest ports of Los Angeles and Long Beach the least efficient trade hubs for handling containers worldwide, a new report showed. Responsible for about 42% of all US containerized trade with East Asia, the southern Californian twin hubs ranked in the final two positions of the World Bank and S&P Global Market Intelligence's 370-member Container Port Performance Index for 2021, the companies said in a report released Wednesday. A majority of the busiest US sea gateways—including Georgia's Savannah, New York and New Jersey and California's Oakland—ranked in the bottom half of the list. The most efficient ports were those of the Middle East and China.

RAIL TRANSPORTATION

1. CTA announces Volume-Related Composite Price Indices for Crop Year 2022–2023 for CN and CP

The Canadian Transportation Agency (CTA) has announced its determination of the Volume-Related Composite Price Index (VRCPI) for the Canadian National Railway Company (CN) at 1.6319 and the Canadian Pacific Railway Company (CP) at 1.6709 for the 2022–2023 crop year beginning August 1st. This is an increase in the VRCPI over the last crop year of 11.99 percent for CN and of 12.70 percent for CP. These indices will be used in determining CN's and CP's Maximum Revenue Entitlement for the movement of western grain in the 2022–2023 crop year. The Maximum Revenue Entitlement is a limit on the overall revenue earned by CN and CP for shipping regulated grain. Over half of this year's increases are attributable to replacing previous Agency forecasted price changes for 2021 with actual price changes and incorporating revised forecasts for 2022. Much of these price changes are linked to recent world events. For example, crude oil costs have increased steadily over the course of 2021 and have experienced even sharper increases following the start of the conflict in Ukraine. As well, global supply chain challenges and supply/demand imbalances in 2021 have contributed in part to higher than expected price changes for railway material inputs such as steel, fabricated metals, and petroleum-related products.

2. Freight Rail Services Price Index, April 2022

Data for April 2022 for the Freight Rail Services Price Index (2018=100) are now available on Statistics Canada website. The freight rail services price index for April 2022 was 116.8 compared to 115.8 for March 2022.

3. U.S. Rail Volumes: 'Mixed' Bag Continues in April

Total U.S. weekly rail traffic was 506,699 carloads and intermodal units, for the week ending April 30, 2022 saw a decrease of 6.3% from the same week in 2021. This is the tenth consecutive week that traffic has declined. Total carloads for the week ending April 30, 2022, were 232,972 carloads, down 3.4% compared with the same week last year, while U.S. weekly intermodal volume was 273,727 containers and trailers, down 8.7% vs. last year. Canadian railroads reported 77,162 carloads for the week, dipping 3%, and 77,779 intermodal units, gaining 10.9% compared with the same week in 2021. For the first 17 weeks of 2022, they reported cumulative rail traffic volume of 2,387,492 carloads, containers and trailers, a 7.3% decline.

4. CP chooses contractor to build hydrogen fueling stations

ATCO Group says it has reached a deal with Canadian Pacific Railway Ltd. to build two hydrogen production and refuelling stations in Alberta. The Calgary-based structures and logistics company says the stations will be built at CP Rail's Calgary and Edmonton rail yards. They will be used to supply CP's hydrogen powered locomotive program. The railway announced in December 2020 its plans to design and build North America's

RAIL TRANSPORTATION

Canada

1. CTA announces Volume-Related Composite Price Indices for Crop Year 2022–2023 for CN and CP, April 29, 2022, www.cta-otc.gc.ca
2. Freight Rail Services Price Index, April 2022, May 2, 2022, www.statcan.gc.ca
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4. CP chooses contractor to build hydrogen fueling stations, May 6, 2022, www.insidelogistics.ca
5. CN files shelf prospectus for C\$6 billion of debt securities, May 5, 2022, www.cn.ca
6. Government of Canada proposes to include new freight rail data in Transportation Information Regulations to help strengthen Canada's supply chain infrastructure, May 6, 2022, www.tc.gc.ca
7. CP releases 2021 corporate sustainability data supplement, May 6, 2022, www.cpr.ca
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9. Rail traffic for the week ending May 7, 2022, May 11, 2022, www.ajot.com
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11. FRA Announces New Bipartisan Infrastructure Law Program to Guide Nationwide Expansion and Enhancement of Intercity Passenger Rail Service, May 13, 2022, www.dot.gov
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13. Minister of Transport announces updated rules to strengthen rail safety and reduce the risk of uncontrolled movements, May 17, 2022, www.tc.gc.ca
14. Rail traffic for the week ending May 14, 2022, May 18, 2022, www.ajot.com
15. AAR to STB: No 'Quick Fix' to Service Problems, May 19, 2022, www.railwayage.com
16. CSX Ranked Among '100 Best Corporate Citizens', May 19, 2022, www.railwayage.com
17. No injuries in Alberta CP derailment, May 23, 2022, www.insidelogistics.ca
18. Following CP's successful return to Atlantic Canada, Government of Canada and Province of New Brunswick announce critical supply chain investment for Port Saint John and New

hydrogen-powered locomotive using fuel cells and batteries to power the locomotive's electric traction motors. The hydrogen infrastructure at each CP site will include a one megawatt electrolyzer, compression, storage and dispensing infrastructure for locomotive refuelling.

5. CN files shelf prospectus for C\$6 billion of debt securities

CN announced on May 5, 2022 that it has filed a final shelf prospectus with Canadian securities regulators and a registration statement with the United States Securities and Exchange Commission (SEC), pursuant to which CN may issue up to C\$6 billion of debt securities in Canadian and U.S. markets over the next 25 months. CN expects to use net proceeds from the sale of debt securities under the shelf prospectus for general corporate purposes, including the redemption and refinancing of outstanding indebtedness, share repurchases, acquisitions and other business opportunities.

Brunswick Southern Railway, May 25, 2022, www.cpr.ca

19. AAR: North American Rail Volume Down Through 20 Weeks, May 25, 2022, www.railwage.com

20. Union Pacific continues to adapt and invest to keep freight moving, May 25, 2022, www.ajot.com

21. Government of Canada invests in two projects to increase the supply chain efficiency for Canadian shippers in New Brunswick, May 25, 2022, www.tc.gc.ca

22. Railway carloadings, March 2022, May 27, 2022, www.statcan.gc.ca

23. Fuel may have leaked from derailed CN train, one dead, May 27, 2022, www.insidelogistics.ca

6. Government of Canada proposes to include new freight rail data in Transportation Information Regulations to help strengthen Canada's supply chain infrastructure

On May 6, 2022, the Minister of Transport, the Honourable Omar Alghabra, announced proposed amendments to the *Transportation Information Regulations* to collect new freight rail information to enhance the transparency and competitiveness of the freight rail system. The proposed amendments to the *Transportation Information Regulations* would require class 1 rail carriers to report to Transport Canada on waybill, traffic, and service and performance information, for the benefit of all rail users. These new reporting requirements would provide rail users and the public with much more relevant and precise information relating to rail service and performance. The amendments reflect the Government of Canada's commitment to strengthening Canada's supply chains in support of the broader economy.

7. CP releases 2021 corporate sustainability data supplement

Canadian Pacific on May 6, 2022 published its 2021 corporate sustainability data supplement. Building upon the company's 2020 corporate sustainability report, the 2021 corporate sustainability data supplement outlines sustainability metrics and performance in the areas of safety, operational excellence and social impact.

8. Ridership increases as VIA Rail implements recovery plan and meets key modernization milestones in 2021

Despite challenges in 2021 stemming from the global pandemic, VIA Rail Canada (VIA Rail) continued to connect communities and to deliver on its mandate of operating the national passenger rail service. At the same time the Corporation moved forward with key elements of its modernization program aimed at creating the VIA Rail of the future. The major highlights for calendar year 2021 were as follows: 1. Ridership increased by 31.9% in 2021 compared to 2020, but remained well below pre-pandemic levels. 2. Operating expenses decreased by 3.2% compared to 2020. 3. Planning and adjustment of our gradual service resumption plan continued according to the evolution of the pandemic. 4. Implementation of health and safety measures (introduction of mandatory vaccination policy in October 2021) continued. 5. Major milestones were achieved, and foundational work was accomplished in VIA Rail's modernization program.

9. Rail traffic for the week ending May 7, 2022

The Association of American Railroads (AAR) on May 11, 2022 reported U.S. rail traffic for the week ending May 7, 2022. For this week, total U.S. weekly rail traffic was 504,927 carloads and intermodal units, down 3.5 percent compared with the same week last year. Total carloads for the week ending May 7 were 231,737 carloads, down 1.9 percent compared with the same week in 2021, while U.S. weekly intermodal volume was 273,190 containers and trailers, down 4.9 percent compared to 2021. Canadian railroads reported 75,688 carloads for the week, down 0.1 percent, and 78,457 intermodal units, up 1.3 percent compared with the same week in 2021. For the first 18 weeks of 2022, Canadian railroads reported cumulative rail traffic volume of 2,541,637 carloads, containers and trailers, down 6.9 percent.

10. VIA Rail Releases 2021 Annual Report

"Like many companies in the transportation industry, VIA Rail continued to face the impacts of the various waves of the pandemic," Chief Financial Officer Marie-Claude Cardin reported. "Nonetheless, as we have always done over the past two years, we found ways to strike a balance between our important public service mandate while proactively managing the financial impacts on our operations." (VIA Rail) "Despite the upheaval caused by the pandemic, we have successfully pursued our strategic plan, including the unveiling of our new fleet and the advancement of the High Frequency Rail project," VIA Rail Canada Board Chair Françoise Bertrand said upon release of the railroad's 2021 Annual Report.

11. FRA Announces New Bipartisan Infrastructure Law Program to Guide Nationwide Expansion and Enhancement of Intercity Passenger Rail Service

The U.S. Department of Transportation's Federal Railroad Administration (FRA) on May 13, 2022 established the new Corridor Identification and Development (ID) Program, which is the first step in an unprecedented undertaking to transform America's passenger rail network through President Biden's Bipartisan Infrastructure Law. The Corridor ID Program will establish a pipeline of projects ready for funding – allowing them to be implemented faster and with greater coordination than ever before. The program will serve as a key vehicle for directing federal investments and technical assistance toward new or improved intercity passenger rail services across the nation.

12. VIA rail maintains its title as the most trusted transportation company

VIA Rail Canada (VIA Rail) is proud to remain the most trusted transportation company in Canada for the fourth consecutive year according to the 2022 Gustavson Brand Trust Index (GBTI), published by the University of Victoria's Gustavson School of Business. In addition to having obtained a better ranking than last year, VIA Rail performed as one of the best employers for employee recognition ranking sixth out of 402 brands in the study.

13. Minister of Transport announces updated rules to strengthen rail safety and reduce the risk of uncontrolled movements

On May 17, 2022, the Minister of Transport, the Honourable Omar Alghabra, announced the approval of revisions to the *Canadian Rail Operating Rules* and the *Locomotive Inspection and Safety Rules* to reduce the risk of uncontrolled movements of trains. To help ensure that trains are properly secured, revisions to the *Canadian Rail Operating Rules* and the *Locomotive Inspection and Safety Rules* will establish: 1) performance standards for locomotives equipped with rollaway protection, which is a feature designed to automatically apply brakes when there is an unintended movement of a train; 2) safety procedures and requirements that must be met before leaving a locomotive, such as confirming that brakes are effectively set and double-checking with another employee that safeguard measures have been implemented; and 3) testing procedures to ensure that the rollaway protection system is operating properly. The new rules build on measures in place to secure trains and reduce the risk of uncontrolled movement, such as requiring handbrakes be applied in specific circumstances, and will further help keep communities and workers safe.

14. Rail traffic for the week ending May 14, 2022

The Association of American Railroads (AAR) on May 18, 2022 reported U.S. rail traffic for the week ending May 14, 2022. For this week, total U.S. weekly rail traffic was 505,120 carloads and intermodal units, down 5.4 percent compared with the same week last year. Total carloads for the week ending May 14 were 230,128 carloads, down 5.2 percent compared with the same week in 2021, while U.S. weekly intermodal volume was 274,992 containers and trailers, down 5.5 percent compared to 2021. For the first 19 weeks of 2022, U.S. railroads reported cumulative volume of 4,368,828 carloads, up 0.6 percent from the same point last year; and 5,001,231 intermodal units, down 6.9 percent from last year. Total combined U.S. traffic for the first 19 weeks of 2022 was 9,370,059 carloads and intermodal units, a decrease of 3.5 percent compared to last year. Canadian railroads reported 74,072 carloads for the week, down 5.1 percent, and 76,004 intermodal units, down 1.8 percent compared with the same week in 2021. For the first 19 weeks of 2022, Canadian railroads reported cumulative rail traffic volume of 2,691,713 carloads, containers and trailers, down 6.7 percent.

15. AAR to STB: No 'Quick Fix' to Service Problems

"The Class I railroads recognize that their recent service performance has not met many customers' expectations," the Association of American Railroads (AAR) wrote in a May 18 filing to the Surface Transportation Board (STB). But while the STB's May 5 decision to release updated, more-comprehensive rules for reporting performance and employment metrics "reflects an understandable desire for quick action," it was "not issued in a vacuum," AAR pointed out.

16. CSX Ranked Among '100 Best Corporate Citizens'

CSX has earned a spot on the 2022 "100 Best Corporate Citizens" list, which recognizes top environmental, social and governance (ESG) transparency and performance among companies on the Russell 1000 Index.

17. No injuries in Alberta CP derailment

Mounties in Alberta say traffic is being rerouted and cleanup is underway after 43 train cars carrying potash derailed Sunday (May 22, 2022) morning. RCMP say no one was injured after the westbound Canadian Pacific Railway train left its track at around 8 a.m. near the southern Alberta town of Fort Macleod. A police news release says there is no danger to the public. Firefighters and CP crew members are on the scene. RCMP is asking people to avoid the area until traffic resumes. The news release says the cleanup can take several hours.

18. Following CP's successful return to Atlantic Canada, Government of Canada and Province of New Brunswick announce critical supply chain investment for Port Saint John and New Brunswick Southern Railway

Canadian Pacific (CP) on May 25, 2022 applauded the announcement made by the Government of Canada and the Province of New Brunswick to invest in additional capacity expansion at Port Saint John. The need for additional capacity at Port Saint John is driven by CP's successful return to Atlantic Canada through our acquisition of the Central Maine and Quebec Railway, which now connects Atlantic Canada to Montreal, Toronto and the U.S. Midwest with a

more seamless route operated by a Class 1 railway that is 200 miles shorter than other shipping options. "CP is excited to be back in Atlantic Canada and proud of the much-needed competition our return has brought to the freight transportation market in New Brunswick," said Keith Creel, CP President and CEO. "The additional investment announced today by the federal government and the Province of New Brunswick will make a significant impact for Port Saint John and for Canada's supply chains. The funding will bring Port Saint John's capacity up to 800,000 TEUs, almost tripling the Port's existing capacity."

19. AAR: North American Rail Volume Down Through 20 Weeks

North American rail volume for the first 20 weeks of 2022 (ending May 21) on 12 reporting U.S., Canadian and Mexican railroads came in at 13,466,320 carloads and intermodal units. Cumulative volume in the U.S. was 9,877,035; in Canada, 2,843,183; and in Mexico, 746,102 carloads and intermodal containers and trailers. According to the AAR, for the week ending May 21, 2022, U.S. Class I railroads hauled a total of 506,976 carloads and intermodal units, down 4.1% compared with the same week last year. This comprises 233,244 carloads—down 3.7% from the prior-year period—and 273,732 containers and trailers—down 4.5% compared with 2021. Canadian railroads reported 75,281 carloads for the week, down 1.3%, and 76,189 intermodal units, up 0.9% from the same week in 2021.

20. Union Pacific continues to adapt and invest to keep freight moving

An unprecedented disruption in the global supply chain due to the COVID-19 pandemic is still having a major impact on many U.S. industries. Freight rail has had to adapt daily over the last two years to keep goods moving, and Union Pacific Railroad is taking its lessons learned, investing in adding more capacity and committing to moving more intermodal freight. That commitment includes investing \$600 million of capital in 2022 alone as the company works to add more than one million lifts to the intermodal franchise and ramps up hiring so resources match demand. The various ways that Union Pacific continues to adapt and invest to keep freight moving were the focus of one of the panel discussions during FreightWeekSTL 2022. "Throughout the supply chain crisis, Union Pacific has been working to make sure that we're agile with our resources," said Elise Gosch, assistant vice president Marketing and Sales – Premium Intermodal at Union Pacific. "Every new day brings a new challenge, but we believe rail is the safest, most efficient way to move freight across our United States."

21. Government of Canada invests in two projects to increase the supply chain efficiency for Canadian shippers in New Brunswick

On May 25, 2022, the Minister of Transport, the Honourable Omar Alghabra, and the Member of Parliament for Saint-John—Rothesay, Mr. Wayne Long, announced more than \$42 million for two new projects under the National Trade Corridors Fund. These projects will help improve supply chain efficiency for Canadian shippers in Saint John and McAdam, New Brunswick. The Government of Canada will contribute: 1. \$21.16 million to upgrade rail terminals in Saint John and McAdam. The New Brunswick Southern Railway, a subsidiary of J.D. Irving, Limited, will contribute the same amount, which will bring the total investment of the project to \$42.32 million. 2. Up to \$21 million to the Saint John Port Authority to increase the cargo laydown capacity of the West Side Terminal. As the applicant, the Saint John Port Authority will contribute \$4.2 million, and the Province of New Brunswick will invest \$16.8 million, which represents a total investment of \$42 million.

22. Railway carloadings, March 2022

Canadian railways transported 31.2 million tonnes of freight in March 2022, down 6.2% compared with March 2021, marking the seventh straight month of year-over-year decline. The overall tonnage was the lowest for March since 2016, but remained just below the five-year average of 32.3 million tonnes for this month. While grain shipments were down substantially, carloadings of some energy products registered strong gains, tempering the overall decline.

23. Fuel may have leaked from derailed CN train, one dead

A Saskatchewan man is dead after the road maintenance vehicle he was driving collided with a train on May 26, 2022 afternoon. It happened about three kilometres west of Edgeley, Sask. at a level crossing around 12 p.m. about one kilometre north of Highway 364. Police say the truck was driving southbound and was hit by the eastbound train at a level crossing. No other injuries were reported to police. A spokesperson for Canadian National Railway says about 18 rail cars left the tracks, which caused a small spill of an unknown substance. Mounties say initial reports suggest some fuel may have leaked.

HIGHWAY TRANSPORTATION

1. Canada Spot Volumes Remain at Record Levels

Canadian spot market load volumes continued to surge in March 2022 but the pace of growth is slowing, according to *Loadlink Technologies*. March 2022 data also showed an increase in truck postings, Trucknews.com reports of the data. Spot market load volumes were up 125% year over year and topped February's 2022 record volume by 11%. There were 0.68 trucks posted per load, down from 1.44 last March. "As a result of backlogs from border blockades and vaccine mandates, late February and early March load volumes spiked by 20%. While still high, load volumes shrank by nearly the same amount towards the end of the quarter, while available trucks increased slightly," says Claudia Milicevic, president of *Loadlink Technologies*. Southbound cross-border loads surged 237% year over year, while equipment postings for those loads dropped 44%.

2. Fleets offer flexibility, perks to attract and retain drivers

Fleets are constantly on the lookout for drivers. Signing on an experienced professional who will hang around for a while is like striking gold. The Canadian Trucking Alliance says there are more than 23,000 vacancies in the industry right now, warning that could skyrocket to 55,000 by the end of 2023. As older, experienced truckers retire and not many young people are interested in getting behind the wheel, fleets crowd around a shrinking pool of qualified personnel, seeking to attract talent.

3. Lion Electric turns a profit on quadrupled sales

The Lion Electric Co. says it swung to a profit last quarter as sales nearly quadrupled on a large increase in vehicle deliveries. The company, which has been a public company for a year, delivered 84 vehicles in the quarter, including 72 school buses and 12 trucks, an increase of 60 vehicles from the same period a year earlier. The Montreal-based manufacturer of all-electric medium and heavy-duty urban vehicles says it earned US\$2.1 million or one cent per diluted share in the first quarter, compared with a net loss of US\$16.1 million or 15 cents per share a year earlier.

4. Sustainable trucking will require multiple solutions: ACT Expo panel

Truck manufacturers, energy providers, and fleets alike are sharing a

common journey toward sustainable transportation. Just don't expect any single energy source to answer every need. "There isn't really one solution," said Daimler Trucks North America general manager of product strategy and market development Mary Aufdemberg, during a panel discussion on the opening day of Advanced Clean Transportation (ACT) Expo. "It's also going to be different for every segment." For regional hauls, the preferred option might be battery-electric trucks, while longer trips could require hydrogen fuel cells. "Hydrogen will need to be part of the mix if the world wants to meet the Paris Agreement," said Carlos Maurer, Shell's executive vice-president – sectors and decarbonization.

5. March 2022 Freight Transportation Services Index (TSI)

The Freight Transportation Services Index (TSI), which is based on the amount of freight carried by the for-hire transportation industry, rose 0.7% in March 2022 from February 2022, rising for the seventh consecutive month, according to the U.S. Department of Transportation's Bureau of Transportation Statistics' (BTS). From March 2021 to March 2022 the index rose 3.8 percent compared to a rise of 0.5 percent from March 2020 to March 2021 and a decline of 2.2 percent from March 2019 to March 2020.

6. Autonomous trucking offers efficiency, environmental benefits

Slashing transport emissions and automating the driving process may seem unrelated, but real-world operations by autonomous trucking firm Locomotion have seen GHG emissions reduced by 22%. That's according to Cetin Mericli, CEO and co-founder of the company, which has trucks on the road in the U.S. Speaking at ACT Expo, Mericli said other benefits of autonomous trucking include improved safety and efficiency. The convoy system includes two trucks. The lead truck has a driver behind the wheel and leaves a trail of virtual breadcrumbs, so to speak, which the second truck follows while its driver rests in the sleeper. Mericli said "The outcome is unmatched," noting the Locomotion autonomous system doubles capacity for fleets while increasing driver home time by 500%, improving equipment utilization by 130% and allowing 22 hours of continuous operation per day.

HIGHWAY TRANSPORTATION Canada

1. Canada Spot Volumes Remain at Record Levels, April 29, 2022, www.cantruck.ca
2. Fleets offer flexibility, perks to attract and retain drivers, May 2, 2022, www.todaystrucking.com
3. Lion Electric turns a profit on quadrupled sales, May 5, 2022, www.insidelogistics.ca
4. Sustainable trucking will require multiple solutions: ACT Expo panel, May 9, 2022, www.todaystrucking.ca
5. March 2022 Freight Transportation Services Index (TSI), May 11, 2022, www.bts.gov
6. Autonomous trucking offers efficiency, environmental benefits, May 11, 2022, www.todaystrucking.com
7. Half of Regional Trucks Could Go Electric, May 13, 2022, www.ontruck.ca
8. Truck driver alcohol and drug violations on the rise, May 16, 2022, www.todaystrucking.ca
9. Titanium posts record Q1 results, May 17, 2022, www.todaystrucking.ca
10. Newly Released Estimates Show Traffic Fatalities Reached a 16-Year High in 2021, May 17, 2022, www.dot.gov
11. Urban public transit, March 2022, May 19, 2022, www.statcan.gc.ca
12. Probe Into Commercial Driving Schools Leads Charges: Sun, May 20, 2022, www.ontruck.ca
13. Predatory Towing, Efficacy of Driver Training, Driver Shortage Among ATRI '22 Research Priorities, May 20, 2022, www.cantruck.ca
14. Canada's Core Public Infrastructure Survey: Roads, bridges and tunnels, 2020, May 24, 2022, www.statcan.gc.ca
15. North American Transborder Freight up 23.8% in March 2022 from March 2021, May 25, 2022, www.bts.gov

7. Half of Regional Trucks Could Go Electric

Roughly half of all U.S. and Canadian Class 8 tractors engaged in regional-haul applications could switch to battery-electric technology today with minimal or no impact on operations, productivity, or efficiency, according to a new report. The North American Council for Freight Efficiency's new report, "Electric Trucks Have Arrived: The Case for Heavy Duty Regional Haul Tractors," is based on findings from NACFE's Run on Less Electric vehicle evaluation trials completed last year, reports Heavy Duty Trucking.

8. Truck driver alcohol and drug violations on the rise

The number of North American truck drivers failing alcohol and drug tests is on the rise when comparing March totals over the last three years. Employers and medical review officers (MROs) reported 5,258 positive drug tests in March 2022, up from 4,723 during the same month a year earlier, and 4,234 during March 2020, according to the Federal Motor Carrier Safety Administration's (FMCSA's) Drug and Alcohol Clearinghouse. Another 929 truck drivers refused drug tests this March, compared to 721 in March 2021, and 604 in March 2020.

9. Titanium posts record Q1 results

Titanium Transportation smashed its revenue record in the 2022 first quarter, generating \$136 million and producing \$5.97 million in profit – a 410% year-over-year increase. Truck transportation revenue was up 26% to \$49.3 million, while logistics revenue rose 85% to \$87.9 million. The company's five U.S. 3PL offices contributed \$54.9 million of that, up 70%. "Q1 results are a record start to the year marking the highest quarterly revenue achieved in our history, a seventh sequential quarter of top line revenue growth and significantly improved profitability," said Ted Daniel, CEO of Titanium Transportation Group.

10. Newly Released Estimates Show Traffic Fatalities Reached a 16-Year High in 2021

The National Highway Traffic Safety Administration has released its early estimate of traffic fatalities for 2021. NHTSA projects that an estimated 42,915 people died in motor vehicle traffic crashes last year, a 10.5% increase from the 38,824 fatalities in 2020. The projection is the highest number of fatalities since 2005 and the largest annual percentage increase in the Fatality Analysis Reporting System's history. Behind each of these numbers is a life tragically lost, and a family left behind. "We face a crisis on America's roadways that we must address together," said U.S. Transportation Secretary Pete Buttigieg. "With our National Roadway Safety Strategy and the President's Bipartisan Infrastructure Law, we are taking critical steps to help reverse this devastating trend and save lives on our roadways."

11. Urban public transit, March 2022

In March 2022, urban transit ridership continued to grow, with 85.8 million trips taken on Canada's urban transit networks, up 56.0% (or 30.8 million more rides) from March 2021, marking the 12th straight month of year-over-year growth. In March 2022, transit agency operating revenues (excluding subsidies) was \$189.3 million, an increase of \$62.3 million (or of 49.1%) from March 2021, but \$151.8 million lower than in March 2019, prior to the pandemic. Ridership was up but lags pre-pandemic levels. As COVID-19 restrictions eased across the country, and many commuters returned to their workplaces on a full time or hybrid basis, passenger volumes have now recovered 52.1% of the March 2019 level, before the pandemic.

12. Probe Into Commercial Driving Schools Leads Charges: Sun

The OPP, working with Québec counterparts, have laid fraud charges against several people after a multi-year police probe. In March 2019, the Sûreté du Québec told the OPP of suspected fraudulent commercial motor vehicle licensing activities, which led to a criminal investigation, the *Toronto Sun* reports. The investigation allegedly found fraudulent licensing activities that circumvented the processes of the Ministry of Transportation and Ministry of Colleges and Universities. The OPP's investigation allegedly found the scheme was significantly impacting the safety of Canadian highways by using an interpreter to fraudulently complete required licensing knowledge tests, permitting non-Ontario residents applying for an Ontario driver's licence, and circumventing the Mandatory Entry Level Training standard. Police found 200 cases in which students allegedly committed fraud to acquire a commercial vehicle licence.

13. Predatory Towing, Efficacy of Driver Training, Driver Shortage Among ATRI '22 Research Priorities

The American Transportation Research Institute's board approved its top research priorities for the year, which include topics focused on impacts on the trucking industry's workforce, operational impacts from predatory towing, and expanding the driver population through international work permits. ATRI, which the Canadian Trucking Alliance is a member of, reports its top research priorities are: 1. Impacts of decriminalization of marijuana on the trucking industry. 2. Quantifying impacts from predatory towing. 3. Efficacy of driver training on safety outcomes and driver retention. 4. Utilizing EB-3 work permits to help mitigate the driver shortage. 5. Impact of the SEC Climate Rule on the trucking industry. ATRI's Research Advisory Committee developed the list of recommended research topics at its meeting held in Dallas on March 15 and 16, and the ATRI board reviewed and approved a list of recommended topics at its recent meeting.

14. Canada's Core Public Infrastructure Survey: Roads, bridges and tunnels, 2020

Canada's road networks remained relatively unchanged. The stock and condition of Canada's roads and bridges remained consistent from 2018 to 2020, according to new results from Canada's Core Public Infrastructure Survey for 2020. Road construction continued at an accelerated pace in 2019 and 2020. Road conditions were mostly unchanged compared with 2018, with over half the length of roads in Canada reported to be in good or very good condition in 2020 (54%) and a little over one-tenth in poor or very poor condition (13%). Bridges in larger urban municipalities were in best condition.

15. North American Transborder Freight up 23.8% in March 2022 from March 2021

The highlights of transborder freight between the U.S. and North American countries (Canada and Mexico) in March 2022 were: 1. Total transborder freight: \$141.9 billion of transborder freight moved by all modes of transportation, up 23.8% compared to March 2021. 2. Freight between the U.S. and Canada totaled \$72.9B. Freight between the U.S. and Mexico totaled \$69.0B. 3. Trucks moved \$85.5 billion of freight, up 15.7% compared to March 2021. 4. Railways moved \$20.2 billion of freight, up 20.9% compared to March 2021. Total Transborder Freight by Border Compared to March 2021 were as follows: 1. U.S.-Canada up 26.3%; and 2. U.S.-Mexico up 21.2%. US-Canada trade (in both directions by mode were: Truck: \$38.4b; Rail: \$11.7b; Pipeline: \$11.4b; Air: \$3.6b; and Vessel: \$3.6b.

GENERAL TRANSPORTATION

Canada

1. Canadian Tourism Activity Tracker, February 2022

In February 2022, overall tourism activity in Canada was 37.2% below the level reached in February 2019, before the COVID-19 pandemic. This was in line with the seven-month trend of consecutive improvement observed from May to December 2021, excluding January 2022 when overall recovery temporarily slowed. Although certain restrictions to combat the Omicron variant remained in place throughout most of February 2022, both domestic and inbound travel increased, aiding overall tourism recovery across the country.

2. U.S. Transportation Sector Unemployment Rate Decreases to 3.6% in April 2022; Just Below the Pre-Pandemic April Level of 3.7% in 2019

The unemployment rate in the U.S. transportation sector was 3.6% (not seasonally adjusted) in April 2022 according to Bureau of Labor Statistics (BLS) data recently updated on the Bureau of Transportation Statistics (BTS) Unemployment in Transportation dashboard. The April 2022 rate fell 3.9 percentage points from 7.5% in April 2021 and decreased nearly to the pre-pandemic April level of 3.7% in April 2019. Unemployment in the transportation sector reached its highest level during the COVID-19 pandemic (15.7%) in May and July 2020.

3. BTS Updates Datasets to National Transportation Atlas Database

The U.S. Department of Transportation's Bureau of Transportation Statistics on May 6, 2022 released its spring 2022 update to the National Transportation Atlas Database (NTAD), a set of nationwide geographic databases of transportation facilities, networks, and associated infrastructure.

4. Labour shortages forcing Quebec SMEs to shift operations

Fifteen percent of Quebec-based small and medium companies (SMEs) say they have had to relocate operations outside the province because they cannot find workers. According to the Quebec manufacturers association's (STIQ) most recent Quebec Industrial Barometer, labour shortages are the worst the association has seen since starting the barometer 13 years ago. Over the past year, the job vacancy rate has increased by 36 percent, with an average of 12 unoccupied jobs per company. The barometer also found that international recruitment has not been sufficient to keep up with demand for skilled workers.

5. Leading indicator of international arrivals to Canada, April 2022

In April 2022, the number of international arrivals to Canada rose from the same month in 2021, approaching levels

GENERAL TRANSPORTATION

Canada

1. Canadian Tourism Activity Tracker, February 2022, May 6, 2022, www.kstatcan.gc.ca
2. U.S. Transportation Sector Unemployment Rate Decreases to 3.6% in April 2022; Just Below the Pre-Pandemic April Level of 3.7% in 2019, May 6, 2022, www.bts.gov
3. BTS Updates Datasets to National Transportation Atlas Database, May 6, 2022, www.bts.gov
4. Labour shortages forcing Quebec SMEs to shift operations, May 11, 2022, www.insidelogistics.ca
5. Leading indicator of international arrivals to Canada, April 2022, May 12, 2022, www.statcan.gc.ca
6. EU plan will find alternate routes for Ukrainian exports, May 13, 2022, www.insidelogistics.ca
7. Canada Post unveils massive new sorting centre, May 13, 2022, www.insidelogistics.ca
8. Developers break ground on new warehouse development in GTA, May 17, 2022, www.insidelogistics.ca
9. Transportation Services Contributed 5.4% to U.S. GDP in 2020; a Decline from 5.9% in 2019, May 17, 2022, www.bts.gov
10. Transport - a catalyst for inclusive societies, May 17, 2022, www.itf-oecd.org
11. Supply chains are never returning to 'normal', May 18, 2022, www.freightwaves.ca
12. Travel between Canada and other countries, March 2022, May 24, 2022, www.statcan.gc.ca
13. Minister of Transport participates in the 2022 Summit of the International Transport Forum in Leipzig, Germany, May 20, 2022, www.tc.gc.ca
14. Minister of Transport visits Washington, D.C., to advance Canada-United States collaboration on supply chains and climate change, May 24, 2022, www.tc.gc.ca
15. National Travel Survey, fourth quarter 2021, March 26, 2022, www.statcan.gc.ca
16. Buttigieg, Alghabra Discuss Supply Chain Challenges in Washington, May 27, 2022, www.ontruck.ca

recorded before the pandemic in April 2019. There were 365,800 non-resident visitors arriving from abroad at Canadian airports equipped with electronic kiosks, more than 20 times as many compared with April 2021. US residents took 479,500 trips to Canada through land ports with electronic sensors in April 2022, over 415,700 more than in April 2021. At the same time, the number of Canadian residents returning from visiting abroad by air via kiosk-equipped airports was much greater than in April 2021, but not yet at levels observed in April 2019, before the pandemic. Compared with April 2021, there were over 1 million more Canadian residents—for a total of 1,262,900—who returned from trips to the United States through land ports with electronic sensors. This release provides a first glimpse of international arrivals to Canada in April 2022. Complete counts will be available with April's "Travel between Canada and other countries" release on June 23, 2022.

6. EU plan will find alternate routes for Ukrainian exports

The European Commission proposed helping Ukraine export its wheat and other grains by rail, road and river to get around a Russian blockade of Black Sea ports, which is preventing those critical supplies from reaching parts of the world at risk of food insecurity. The European Union's executive arm said the plan aims to establish alternative routes and ease congestion between borders that also should facilitate getting humanitarian aid and other goods into the war-torn country.

7. Canada Post unveils massive new sorting centre

Canada Post has taken the wraps off plans for its new parcel sorting centre in Scarborough, Ontario. The new facility will be able to handle over a million packages a day once it opens in early 2023. The 585,000-square-foot centre will be able to sort more than 60,000 packages per hour. That's 50 percent more than Canada Post's Gateway facility in Mississauga, currently the company's largest parcel plant. The facility will have nearly eight kilometres of conveyors. More than 90 percent of all packages will be processed through automated sorters. A package can arrive, be processed and be ready for dispatch in less than four minutes.

8. Developers break ground on new warehouse development in GTA

A new five-building, 750,000 square-foot industrial complex is being built in Brampton, Ontario, on the northwest edge of the Greater Toronto Area. Fiera Real Estate and Berkshire Axis Development broke ground on the Heart Lake Business Park, which will be marketed to prospective tenants by Cushman & Wakefield. The leasing team will target e-commerce, general distribution, light manufacturing, life sciences and pharma sectors for the first phase.

9. Transportation Services Contributed 5.4% to U.S. GDP in 2020; a Decline from 5.9% in 2019

Transportation services (for-hire, in-house, and household) contributed \$1.2 trillion (5.4%) to an enhanced U.S. gross domestic product (GDP) of \$21.3 trillion in 2020—as measured by the Bureau of Transportation Statistics' (BTS) Transportation Satellite Accounts (TSAs). The TSAs measure the full contribution of transportation to the economy from three types of transportation activities: 1. \$0.6 trillion or 2.7% of 2020 GDP from for-hire transportation; 2. \$0.2 trillion or 1.0% of 2020 GDP from transportation activities carried out by non-transportation industries for their own purposes (known as in-house transportation); and 3. \$0.4 trillion or 1.7% of 2020 GDP from transportation activities carried out by households using personal motor vehicles.

10. Transport - a catalyst for inclusive societies

Transport ministers from around the world meet in Germany to discuss how better mobility solutions can bring divided societies together. Ministers from the 63 member countries of the International Transport Forum (ITF) gathered in Leipzig, Germany, for their Annual Summit from 18-20 May under the Presidency of Morocco. The theme of the three-day Summit is "Transport for Inclusive Societies": How can transport policy make mobility easily accessible to all - regardless of age, health, income, place of residence, or gender? How can transport policy improve opportunities for all by making it simple to reach destinations that count: jobs, schools, hospitals, shops, friends? Three online tools presented by the ITF at the Summit highlight practical steps for transport to help build more inclusive societies were: 1. The ITF Gender Analysis Toolkit for Transport; 2. "How accessible is your city?"; and 3. The Disabled Motoring website:

11. Supply chains are never returning to 'normal'

The conventional wisdom at this time is that most of the world has moved on from the pandemic (except for China) stage; therefore, supply chains will return to "normal." Unfortunately, this is not the case. The world has permanently changed and supply chains are going to face continuing challenges for decades to come. Among those challenges are: 1) Supply chains will remain under constant threat of disruption for the next decade; 2) Supply chains operate best when the world is peaceful and stable; 3) A smoothly running supply chain requires "buffer stock," which is challenging with declining population demographics; 4) There is a conflict between environmental, social and governance (ESG) goals and supply chains optimized for cost and speed. If we prioritize ESG, we will need to contend with supply chain risks; and 5) Supply chain technology will become the big venture capital category winner as companies continue to make investments in technologies that can help them mitigate their supply chain challenges. In a world faced with the prospect of tightening supplies, higher energy costs, heightened geopolitical risk, and strained transportation networks,

advanced supply chain technologies will become mission-critical for many more companies.

12. Travel between Canada and other countries, March 2022

In March 2022, as Covid-19 restrictions eased, the number of international arrivals to Canada increased compared with March 2021, but remained below 2019 levels, before the COVID-19 pandemic. While residents of overseas countries made over five times the trips to Canada in March 2022 than during the same month in 2021, it was under half (43.0%) of the trips observed in March 2019. Likewise, US residents made almost five times the trips to Canada in March 2022 than in March 2021. However, this represented less than one-third (31.9%) of the trips taken in the same month in 2019. Compared with March 2021, Canadian residents made over six times more trips home from visiting abroad in March 2022, but this was just over one-third (37.1%) of the trips taken in March 2019.

13. Minister of Transport participates in the 2022 Summit of the International Transport Forum in Leipzig, Germany

In the third week of May 2022, the Minister of Transport, the Honourable Omar Alghabra, took part in the 2022 Summit of the International Transport Forum (ITF) held in Leipzig, Germany. He met with several partners: 1. He met with international counterparts, including ministers from Germany, Poland, Sweden, Ukraine, and the United Kingdom to advance Canada's Safer Skies Initiatives, discuss next steps related to the PS752 shoot-down, and to enhance cooperation and share lessons learned, including how to restore disrupted supply chains. 2. He also met with business leaders to advance Canadian interests and reiterate the important role that transportation plays in supporting an efficient and competitive trade environment in Canada and abroad. 3. In his meeting with his counterpart from Ukraine, both ministers discussed the importance of Canada's resolve to help the Ukrainian people, and commitment to rebuild Ukraine after the war. The Minister of Transport also participated in several events.

14. Minister of Transport visits Washington, D.C., to advance Canada-United States collaboration on supply chains and climate change

The global COVID-19 pandemic, climate change, and Russia's unprovoked invasion of Ukraine, have disrupted supply chains across the world and have had a real impact on the daily lives of Canadians. Canada is working closely with the United States to strengthen our common supply chains to make them stronger and greener. On May 24, 2022, the Minister of Transport, the Honourable Omar Alghabra, was in Washington, D.C. to discuss common transport priorities. He met with U.S. Secretary of Transportation Pete Buttigieg. 1. Transport Canada and the U.S. Department of Transportation have identified joint projects to reduce pollution from all transportation modes, such as the development of binational alternative fuel corridors and the creation of a zero-emission vehicle task force. 2. They will also work on reducing pollution from the rail and aviation sectors, and identify green shipping corridors between our two countries. 3. They also took this opportunity to discuss next steps related to the PS752 shoot-down, solutions on how to restore disrupted supply chains, and Russia's unprovoked and unjustifiable invasion of Ukraine.

15. National Travel Survey, fourth quarter 2021

In the fourth quarter of 2021, Canadians took 53.9 million trips within Canada or abroad, nearly 20 million more than in the fourth quarter of 2020. While this is a clear sign of recovery in travel, numeric and qualitative differences are apparent when compared with the same quarter in 2019, before the COVID-19 pandemic. Trips made by Canadians from October to December 2021 were roughly three-quarters (75.5%) of those made during the same period in 2019. In the final quarter of 2021, the vast majority (95.2%) of trips were domestic, whereas pre-pandemic, roughly 12% were destined for the United States or overseas. Compared with the fourth quarter of 2019, Canadians took longer trips within Canada but spent less; tourism spending at home was 5.7% below the pre-pandemic level. While trip characteristics were similar for international destinations, total spending was 60.5% lower because of fewer trips.

16. Buttigieg, Alghabra Discuss Supply Chain Challenges in Washington

The Canadian and American heads of transportation leaders met this month to discuss the importance of cross-border transportation and trade, including work on the Gordie Howe International Bridge, which has been under construction since 2019 and is expected to open to traffic at the end of 2024. U.S. Transportation Secretary Pete Buttigieg and Canadian Transport Minister Omar Alghabra met in Washington to discuss solutions to supply chain issues, among other topics.