

From: The Roosevelt Group <jvogl@rooseveltdc.com>
Sent: Friday, November 4, 2022 8:00 AM
To: Ingram, Diane
Subject: [EXTERNAL] Executive Insight Brief



Executive Insight Brief

November 4, 2022

Headlines - Aerospace & Defense - Budget & Approps - Advanced Tech - Military Installations & Communities -
Homeland Security - Transportation & Infrastructure - Biotech & Healthcare - Climate & Development

Received this as a forwarded email? [Sign up](#) to be on the official distribution list!

Notable Headlines

- [U.S. officials met with Brittney Griner in Russia, State Dept. says](#)
- [Israel's Benjamin Netanyahu makes comeback as PM Lapid concedes defeat](#)
- [U.S. Congress split on making daylight-saving time permanent](#)
- [Russian Shelling Forces Ukraine Nuclear Plant to Run on Backup Generators](#)
- [Europe Seeks Exemption From U.S. Rules on EV Tax Breaks](#)

Worth Noting: [Russia's economic decline deepens; Putin warns Moscow could pull out of grain deal again](#)

Aerospace & Defense

[White House condemns latest North Korea missile launch \(The Hill\)](#)

The White House late Wednesday condemned North Korea's latest missile launch, warning that it poses major security risks to the region. "This launch, in addition to the launch of multiple other ballistic missiles this week, is a flagrant violation of multiple UN Security Council resolutions and needlessly raises tensions and risks destabilizing the security situation in the region," National Security Council spokesperson Adrienne Watson

said in a statement. “This action demonstrates that the DPRK continues to prioritize its unlawful weapons of mass destruction and ballistic missile programs over the well-being of its people,” Watson added. “We urge all countries to condemn these violations and call on the DPRK to cease its destabilizing actions and engage in serious dialogue.”

[Better weapons, complex training bolster US submarine force](#)

[KC-46 tanker's boom breaks, dents plane while refueling fighter jet \(Defense News\)](#)

Air Force officials are investigating a mishap that heavily damaged a KC-46 Pegasus tanker plane while it refueled a fighter jet last month, Air Force Times has learned. The tanker was on its way from Glasgow Prestwick Airport in Scotland to Joint Base McGuire-Dix-Lakehurst, New Jersey, when it was tasked to gas up an F-15, an Air Force official confirmed Wednesday. Investigators believe that during the rendezvous, the two aircraft were traveling at such different speeds that the refueling boom forcibly broke away from the fighter jet and slammed back into the KC-46, the official said. The Pegasus safely continued on to New Jersey after the mishap. A photo posted Oct. 28 on an Instagram account for tanker memes appears to show a cracked refueling boom below a dented tail cone. The post voiced concerns about the jet's safety, particularly as mobility officials experiment with using two-person crews instead of three in emergencies.

[Russia's Invasion of Ukraine Moves Toward 'War of Drones' as Winter Looms](#)

[U.S., South Korean defense chiefs huddle amid North Korea's latest missile blitz \(Politico\)](#)

The U.S. and South Korean defense chiefs met Thursday morning at the Pentagon hours after North Korea tested a new intercontinental ballistic missile, again raising tensions in the region. Republic of Korea Minister of National Defense Lee Jong-sup arrived at the Pentagon early Thursday to meet with his American counterpart, Defense Secretary Lloyd Austin. The two were scheduled to hold a press conference in the afternoon. Pentagon Press Secretary Brig. Gen. Pat Ryder said Lee's Pentagon visit was part of an “annual consultative meeting” to “discuss and affirm national commitments.” The meeting comes as Pyongyang continues to provoke outrage from its Pacific neighbors with a record-setting barrage of missile launches. The new round of tests, which occurred Thursday morning local time, appeared to include a failed intercontinental ballistic missile. That led the government of Japan to initially warn that the missile would fly over Japan, yet Tokyo's defense ministry later said that had not occurred.

Budget & Appropriations

[Credit card APRs are set to 'blow past' all-time highs \(Yahoo Finance\)](#)

The Federal Reserve's move this week may have dire ramifications for people who carry balances on their credit cards from month to month. The central bank gassed up its benchmark interest rate another three-quarters of a point — the fourth time it has done so this year. That, in turn, will trigger credit card interest rate hikes, which typically go hand in hand with Fed increases. “Most credit cardholders should see the Fed rate hike passed through to their rate within a statement cycle or two,” Ted Rossman, senior industry analyst at [Bankrate.com](#) told Yahoo Money. Credit card debt has never been pretty. But this is particularly bleak. The average variable credit card rate is now 18.77%, the highest since February of 1993, according to Rossman.

[Fed Makes Fourth Jumbo Rate Increase and Signals More to Come](#)



[First-time homebuyers are being shut out of the market like never before \(CNN\)](#)

If you bought your first home during the past year, consider yourself one of the fortunate few. Skyrocketing home prices and climbing interest rates pushed the share of first-time homebuyers to an all-time low, according to a new report from the National Association of Realtors. And those first-time buyers were the oldest they have ever been, as the growing lack of affordability forced people to wait longer to reach life milestones like buying a home. First-time buyers made up just 26% of all homebuyers in the year ending June 2022, down from 34% the year before, according to NAR's 2022 report on homebuyers and sellers. That was the lowest in the survey's 41-year history. The share of buyers purchasing a first home has sat between 30% and 40% over the past decade and reached as high as 50% in 2009.

[Bank of England Raises Rates Most Since 1989](#)

[A Slew of Tech Companies Announce Hiring Freezes and Job Cuts \(NYT\)](#)

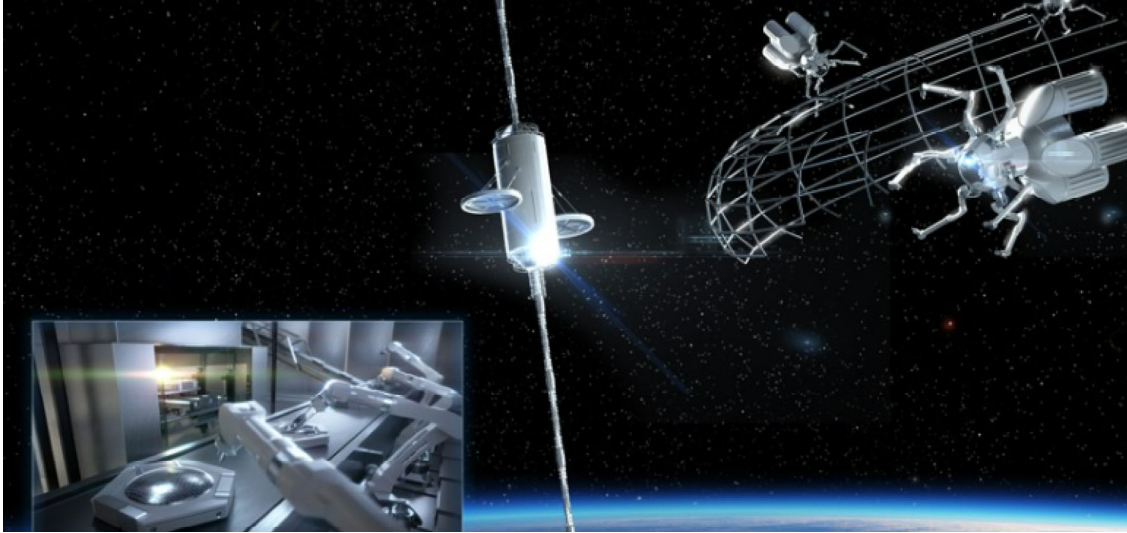
The technology industry's slowdown came into even sharper relief on Thursday as Amazon publicly said it had paused hiring for its corporate work force and several other technology companies announced job cuts. Amazon said senior executives this week decided to pause incremental corporate hiring because the economy was "in an uncertain place." The move added to a freeze from last month when the e-commerce giant halted corporate and technology hiring in its retail business for the rest of the year. "We anticipate keeping this pause in place for the next few months, and will continue to monitor what we're seeing in the economy and the business," said Beth Galetti, the Amazon executive in charge of human resources, in a note posted internally and on the company's blog.

Advanced Technologies

[US Army digs deeper to develop robotic breachers \(Defense News\)](#)

The U.S. Army is digging deeper to develop robotic breacher vehicles for the force as it heads into a prototyping effort that will help it to define requirements for a future capability. The service awarded a contract in May this year to Cybernet, a specialist in robotics and autonomous navigation, for a robotic applique that will be installed on Assault Breacher Vehicles, creating prototypes that will undergo evaluation for about 18-24 months. "The Assault Breacher Vehicle remote control system ... is a fully tracked combat engineer vehicle designed to breach minefields and complex obstacles ... one of our highest risks [and] threats out there to our soldiers today," Brig. Gen. Luke Peterson, the Army's program executive officer for combat support and combat service support, told Defense News in a recent interview. The Army expects to pass through a preliminary design review for the prototypes in the fourth quarter of fiscal 2023, with the delivery of the first prototypes scheduled for the second quarter of fiscal 2024, Peterson said.

[Why Self-propagating Robots Are the Future of Space](#)



[It's Official: Space Force Sets Sights on Smaller Satellites \(Defense One\)](#)

The U.S. Space Force will buy cheaper, smaller satellites in the future instead of the bespoke, multi-billion dollar behemoths it has relied on for decades, according to the service's acquisition chief. The long-anticipated move to smaller satellites is now official policy, according to an Oct. 31 letter from Frank Calvelli, the Space Force's assistant secretary for acquisition and integration. Calvelli's letter also urges the service's acquisition officials to move quickly and buy satellites via fixed-price contracts, which puts the onus on companies to deliver innovative products on time and budget. "To gain speed, we must shorten development timelines by building smaller satellites, acquiring ground and software intensive systems in smaller more manageable pieces that can be delivered faster, using existing technology and designs to reduce non-recurring engineering to enable speed, taking advantage of commercial systems and capabilities, and most importantly delivering programs on cost and schedule through solid program management discipline and execution," .

[Boeing's first crewed Starliner spaceflight slips to April 2023](#)

[Turkey's TAI developing new drone, with hopes for supersonic version \(Defense News\)](#)

Turkish Aerospace Industries is developing the country's first indigenous subsonic drone, a company official revealed. The subsonic drone could either be named Goksungur or Simsek. The Turkish word "gok" translates to "sky" in English, and "Simsek" to "thunder." The TAI official, who spoke on the condition of anonymity because he was not authorized to discuss the matter with the press, said the company wants to develop a supersonic version during later phases of the program. The drone in development is expected to have a maximum speed of Mach 0.7 and to make its maiden flight in February 2023. It's being developed to perform fire support and intelligence gathering missions at a high altitude of 50,000-60,000 feet.

Military Installations & Communities

[Space Force Gets New Chief Space Officer for the First Time Since Forming in 2019 \(Military.com\)](#)

Gen. B. Chance "Salty" Saltzman on Wednesday formally became the second officer to lead the Space Force since it was created just three years ago. During a ceremony at Joint Base Andrews, Saltzman took the reins from outgoing Chief of Space Operations Gen. John "Jay" Raymond, who has led the service since its formation in late 2019. Frank Kendall, secretary of the Department of the Air Force, to which the Space Force belongs, was in attendance and praised both men for their dedication to leading a new service that lacks the financial backing of the other military branches. "The Space Force would have to carry all the load associated with being a military service without anywhere near the resources associated with a traditional American military service," Kendall told the men during his remarks.

[6 fun ways the military can boost recruitment](#)

[Here Are 2022's Best Cities for Veterans \(Military.com\)](#)

Veterans may want to consider moving to one of the Carolinas, if they lean on a pair of surveys released this week as their guide. In its annual list of best and worst places for veterans to live, personal finance website WalletHub named Raleigh, N.C., the best city for veterans. Meanwhile, Navy Federal Credit Union's biennial Best Cities After Service list identified Charleston, S.C., as the top city where veterans should make their home. For Wallet Hub's list, released Monday, Raleigh moved up from last year's spot at No. 4, supplanting Tampa, Fla., as the place the website considers the best for veterans. Charleston is the repeat winner for Navy Federal's list, reclaiming the top spot it first earned in the previous edition of the rankings in 2020.

[2022 Discounts for Military Family Appreciation Month](#)

[The number of homeless vets dropped sharply over the last two years \(Military Times\)](#)

The number of veterans experiencing homelessness sank more than 11% from the start of 2020 to early 2022, a dramatic drop after several years of limited progress in finding shelter for those individuals, federal officials announced Thursday. However, the results of the annual national Point-in-Time count still show about 33,000 veterans across the country without reliable housing options. Officials said the progress shows not only the work that still needs to be done to help veterans, but also that targeted efforts to help veterans avoid homelessness can produce positive results. "One veteran experiencing homelessness will always be one too many, but the [new data] shows that we are making

real progress in the fight to end veteran homelessness,” VA Secretary Denis McDonough said in a statement.

Homeland Security

[Accused Paul Pelosi attacker David DePape could be deported after release from custody, DHS says \(CNBC\)](#)

The man accused of breaking into House Speaker Nancy Pelosi’s house and attacking her husband with a hammer could be deported from the U.S. after he is released from custody, the Department of Homeland Security said Thursday. U.S. Immigration and Customs Enforcement, or ICE, lodged an “immigration detainer” on 42-year-old Canadian national David DePape, DHS told CNBC in a statement. The detainer requests that the San Francisco County Jail notify ICE before DePape is done serving time so that the immigration officers can take custody of him. ICE places immigration detainees on arrested individuals who it believes it can deport under the Immigration and Nationality Act. Records show DePape entered the U.S. through the San Ysidro point of entry on the southern border in 2008 as a temporary visitor, classified as a [B-2](#), officials said. Canadian visitors who enter the U.S. for business or pleasure are generally only admitted for six months, officials said.

[Ray Provencio Sworn in as CBP El Paso Port Director](#)

[CISA Releases Guidance on Phishing-Resistant and Numbers Matching Multifactor Authentication \(HST\)](#)

CISA has released two fact sheets to highlight threats against accounts and systems using certain forms of multifactor authentication (MFA). CISA strongly urges all organizations to implement phishing-resistant MFA to protect against phishing and other known cyber threats. If an organization using mobile push-notification-based MFA is unable to implement phishing-resistant MFA, CISA recommends using number matching to mitigate MFA fatigue. Although number matching is not as strong as phishing-resistant MFA, it is one of best interim mitigation for organizations who may not immediately be able to implement phishing-resistant MFA. CISA recommends users and organizations see CISA fact sheets Implementing Phishing-Resistant MFA and Implementing Number Matching in MFA Applications.

[Loudoun County to Dulles stations to open Nov. 15](#)

[Canada wants 1.45 million more immigrants to fill labor gap \(Washington Post\)](#)

Canada is setting record immigration goals to bring in 1.45 million immigrants by 2025 to

help plug labor shortages. “Look, folks, it’s simple to me. Canada needs more people,” Sean Fraser, Canada’s minister of immigration, refugees and citizenship, told a news conference Tuesday. The government is looking to boost a labor market that left nearly a million job vacancies in the fallout from the coronavirus pandemic, he said. The new immigration plan aims to take in 465,000 people in 2023, rising to 500,000 in 2025. The Canadian immigration department says it admitted 405,000 newcomers last year, which was “the most we’ve ever welcomed in a single year.” “We’re building on that and setting higher targets in the years ahead, because immigration is critical to growing our economy and helping businesses find the workers they need,” Prime Minister Justin Trudeau tweeted.

Transportation & Infrastructure

[Russia turns to Japan for used car imports as domestic production slumps \(Reuters\)](#)

With Russia's domestic car industry smarting from the impact of Western sanctions, sales of used cars are leading a relative resurgence, with Japan accounting for more than three quarters of those imported, according to data shared with Reuters. Sales of new cars produced in Russia have slumped since Moscow sent tens of thousands of troops into Ukraine in late February, with sanctions limiting access to parts and several foreign producers suspending operations in the country. Their withdrawal, along with the stronger rouble has pushed up demand for used cars from Asia, with logistical challenges partially to blame for prices being about 10% higher in September than the start of the year, the central bank said late last month. Imports, which used to account for around a fifth of the market by volume and half by revenue, have not yet fully recovered.

[The Weird-Looking, Fuel-Efficient Planes You Could Be Flying In One Day](#)



[Pilot contract negotiations with airlines turn sour \(CNBC\)](#)

U.S. airlines are profitable again, and their pilots want a bigger cut of the industry's recovery. The biggest airlines in the country are negotiating new pilot contracts, and talks with unions so far haven't gone well. This week alone, unions representing about 30,000 pilots combined at American Airlines and United Airlines rejected potential contracts. The tensions come as the industry rebounds from the Covid-19 pandemic, which devastated travel demand and drove airlines to record losses of around \$35 billion in 2020. The pandemic also derailed contract talks with pilots, flight attendants and other groups, setting the stage for widespread negotiations throughout the industry this year. Airlines are facing the dual challenge of combatting a shortage of pilots while keeping a lid on costs. Meanwhile pilot unions are demanding higher pay and better schedules, on the heels of a roller coaster two years. Both sides are staring down the risks of persistently high inflation.

[AI chip startup SiMa.ai launches auto business with former Bosch, Mercedes executive](#)

[Drivers told to park older Dodge and Chrysler models after air bag deaths \(The Hill\)](#)

Stellantis, the company formerly known as Fiat Chrysler Automobiles, instructed drivers of about 276,000 vehicles to park their cars following two incidents in which people died from exploding air bags. In a release with the National Highway Traffic and Safety Administration (NHTSA), Stellantis warned drivers against taking out 2005 to 2010 Dodge Magnums, Chargers, Challengers and Chrysler 300s. Two people died this year after Takata air bags blew apart in two separate incidents involving a 2010 Dodge Charger. Stellantis has confirmed the exploding air bags killed the drivers in both incidents. The NHTSA warned that older model year vehicles can be dangerous even in minor accidents if the air bag is a safety risk.

Biotechnology & Healthcare

[Microsoft, Sophia Genetics team up to pursue data-driven medicine \(Healthcare IT News\)](#)

A new Microsoft partnership aims to enhance data interoperability with artificial intelligence and machine learning, and to drive a global transition to precision medicine. The multiyear effort will focus on developing and deploying next-generation healthcare tools that equalize data across silos, improve clinical workflows and elevate standards of care, according to the partnership announcement. Multimodal health data sets can be the largest and most complex to structure, analyze and archive. The Sophia Genetics' data display module leverages Microsoft Azure services to provide AI and machine learning capabilities and deliver data curation at scale. Sophia DDM's AI and machine learning platform for multimodal purposes analyzes clinical, biological, genomics and radiomics data, and in the future could offer insights for digital pathology, proteomics and metabolomics.

[This Open Enrollment Season, Look Out for Health Insurance That Seems Too Good to Be True](#)

[Pfizer, BioNTech start COVID-flu combination vaccine study \(Reuters\)](#)

U.S. drugmaker Pfizer Inc and its German partner BioNTech SE have started an early-stage study to evaluate a combination vaccine targeting COVID-19 and influenza, the companies said on Thursday. The single-dose vaccine candidate is a combination of Pfizer's mRNA-based flu shot and the companies' Omicron-tailored COVID-19 booster shot. The early-stage study, which is being sponsored by BioNTech, aims to evaluate the combination shot's safety, tolerability and immunogenicity, or the ability to generate immune response. The trial is being conducted in the United States and the companies aim to enroll 180 volunteers between the ages of 18 and 64. The first participant in the study was dosed earlier this week.

[Concern for cybersecurity workforce mental health is rising](#)

[New York Could Get \\$524M Under Opioid Settlements With Teva \(US News\)](#)

New York will receive up to \$524 million from drugmaker Teva to settle claims that the company contributed to the U.S. opioid epidemic, the largest amount secured from an opioid manufacturer or distributor sued by the state, Attorney General Letitia James announced Thursday. The state has reached a series of settlements with drug companies following an attorney general's lawsuit in 2019 accusing them of deceptive marketing and failing to prevent the unlawful diversion of controlled substances. Teva Pharmaceuticals USA, Inc. and its affiliates were found liable last year for public nuisance charges by a jury

on Long Island. To resolve the remedies phase, Teva agreed to pay out \$313 million over 18 years, James said. New York will additionally receive \$211 million from a \$4.3 billion national settlement Teva agreed to in July if it is approved by state and local governments and tribes, according to the attorney general.

Climate & Development

[Glaciers in Yosemite and Africa will disappear by 2050, U.N. warns \(Washington Post\)](#)

Even if global warming is limited to just 1.5 degrees Celsius (2.7 degrees Fahrenheit), which now seems unlikely, all the glaciers in Yosemite and the ice patches in Yellowstone National Park, as well as the few glaciers left in Africa, will be lost.

Other glaciers can be saved only if greenhouse gas emissions “are drastically cut” and global warming is capped at 1.5 degrees Celsius, the Paris-based UNESCO warned in its report. “This report is a call to action,” UNESCO Director-General Audrey Azoulay said in a statement and linked the report to United Nations Climate Change Conference, known as COP27, which is set to begin in Egypt next week. “COP27 will have a crucial role to help find solutions to this issue.” About 50 of the organization’s more than 1,150 World Heritage sites have glaciers, which together constitute almost a tenth of the world’s glaciated area.

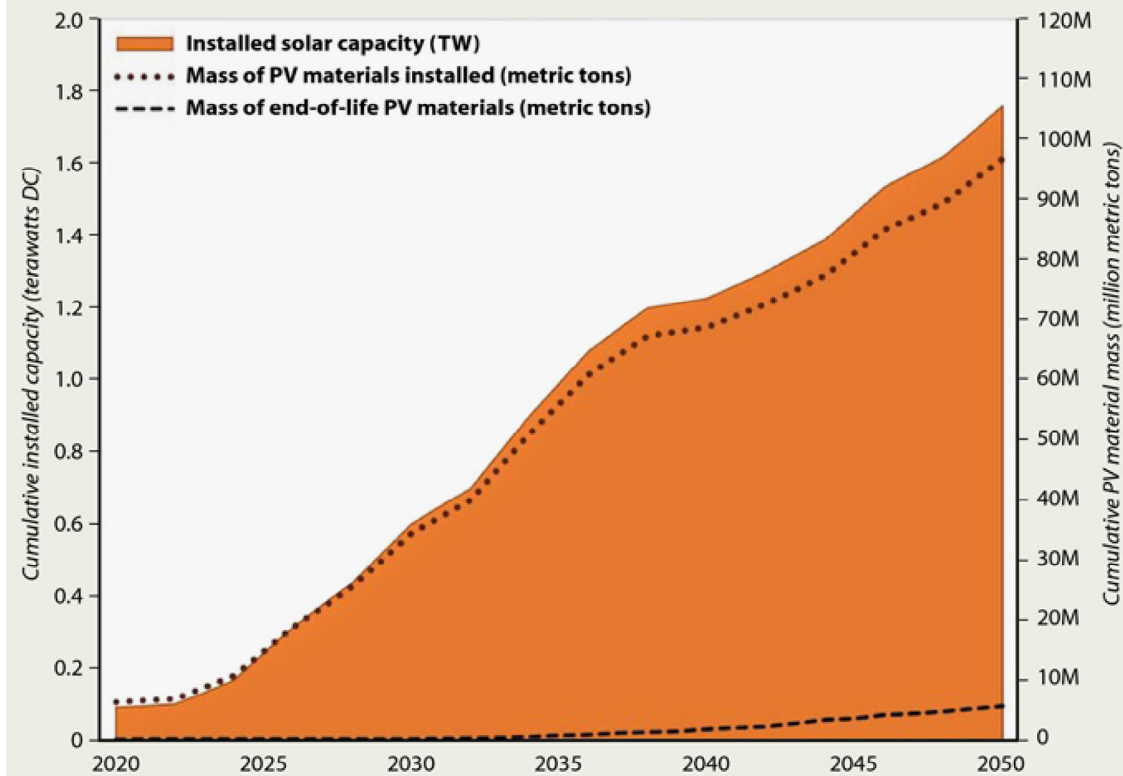
[Why the Feared Wave of Solar Panel Waste May Be Smaller and Arrive Later Than We Expected](#)

Solar Growth and Solar Waste

A new paper projects that the United States will have a cumulative total of 8 million metric tons of photovoltaic panel waste by 2050. That's a big number, but is smaller relative to the massive growth in solar power projects than researchers had previously thought.

CUMULATIVE INSTALLED CAPACITY AND PHOTOVOLTAIC MATERIALS

In terawatts DC power and metric tons of materials, 2020-2050



[China Is Burning More Coal, a Growing Climate Challenge \(NYT\)](#)

China is poised to take advantage of the global urgency to tackle climate change. It is the world's dominant manufacturer and user of solar panels and wind turbines. It leads the world in producing energy from hydroelectric dams and is building more nuclear power plants than any other country. But China also burns more coal than the rest of the world combined and has accelerated mining and the construction of coal-fired power plants, driving up the country's emissions of energy-related greenhouse gases nearly 6 percent last year, the fastest pace in a decade. And China's addiction to coal is likely to endure for years, even decades. As the world's climate negotiators gather this weekend in Egypt for their 27th annual COP gathering, China needs to balance limiting greenhouse gas emissions with its concerns about securing its own energy. The country has long viewed coal, which it has in abundance, as the best way to avoid becoming overly dependent on foreign energy suppliers and remaining susceptible to unpredictable weather, like droughts that reduce the output of hydroelectric dams.

[U.S. EPA grants \\$50 mln to communities to improve air quality monitoring](#)

[Europe's climate warming at twice rate of global average, says report \(The Guardian\)](#)

Temperatures in Europe have increased at more than twice the global average in the last 30 years, according to a report from the World Meteorological Organization (WMO). The effects of this warming are already being seen, with droughts, wildfires and ice melts taking place across the continent. The European State of the Climate report, produced with the EU's Copernicus service, warns that as the warming trend continues, exceptional heat, wildfires, floods and other climate breakdown outcomes will affect society, economies and ecosystems. From 1991 to 2021, temperatures in Europe have warmed at an average rate of about 0.5C a decade. This has had physical results: Alpine glaciers lost 30 meters in ice thickness between 1997 and 2021, while the Greenland ice sheet has also been melting, contributing to sea level rise. In summer 2021, Greenland had its first ever recorded rainfall at its highest point, Summit station.

Next Week's Hearings

Armed Service Committees

HASC: None Listed

SASC: None Listed

Appropriation Committees

House: None Listed

Senate: None Listed

Homeland Security Committees

House: None Listed

Senate: None Listed

Copyright © 2017-Present The Roosevelt Group LLC, All rights reserved.

Our mailing address is:

200 Massachusetts Ave, NW, Suite 360, Washington DC 20001

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe from this list](#)

WARNING: This email originated outside York County's email servers. Please verify the sender's identity, and use caution when clicking any links or opening any attachments.