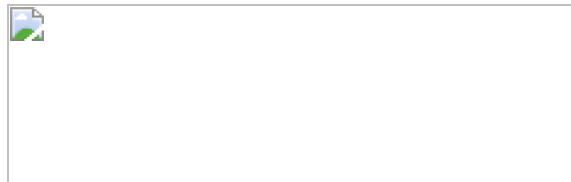


From: Craig Quigley <cquigley@hrmffa.org>
Sent: Friday, April 22, 2022 10:30 AM
To: Craig Quigley; Diane Kaufman (diane_kaufman@kaine.senate.gov); Drew Lumpkin (drew_lumpkin@warner.senate.gov); Gene Garland (Gene_Garland@warner.senate.gov); Janet Lomax; Micah Barbour (micah_barbour@warner.senate.gov); Nick Barbash (nick_barbash@kaine.senate.gov); Ryan Colvert (ryan_colvert@kaine.senate.gov); Zach Lewis (zach_lewis@warner.senate.gov)
Subject: [EXTERNAL] Executive Insight Brief

Ladies & Gentlemen, below please find this week's edition of *Executive Insight Brief* from The Roosevelt Group.

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April 22, 2022

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

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- [Pentagon chief speaks for 1st time to Chinese counterpart](#)
- [New program for Ukrainian refugees to enter US on humanitarian grounds](#)
- [DoI announces funding for tribal communities to address climate change](#)
- [DOE backs US battery materials production with \\$107M loan](#)

Truth emerges: [Zero Dark Thirty inspiration speaks out](#)

To infinity and beyond: [New Space Force unit to monitor 'xGEO' beyond Earth's orbit](#)

Budget & Appropriations

[Senate's bipartisan innovation bill key to US leadership in 21st century technologies \(The Hill\)](#)

Before the United States entered World War II, American industry raised the Arsenal of Democracy, the materiel that rolled off factory floors and saved civilization. To win the future, to once again outfight and outproduce our rivals, America must raise another Arsenal of Democracy. But one designed for the 21st century. Today, Russian tanks are rolling across Ukraine's roads. Chinese bombs could fall from Taiwan's skies next. Vladimir Putin and Xi Jinping lead an illiberal alliance that seeks global primacy and rejects democracy. This is a hinge point in history. We must be clear eyed about the threats China and Russia pose to America and its allies. A great power struggle is underway. If we fail to prepare for it or build a plan to win it, America will forfeit the future. A world led by superpowers who do not share our values or value human dignity is a dangerous one.

[On The Money — Dems eye Build Back Better revival](#)



[Progressives split over Build Back Better's midterm impact \(NBC\)](#)

Progressive Democrats have been the most vocal cheerleaders for President Joe Biden's Build Back Better plan, but now the most liberal wing of the party appears divided over the need to pass a big social spending and climate package to avert an electoral shellacking this November. Sen. Elizabeth Warren, D-Mass., took to the pages of The New York Times on Monday to make the case that Democrats face a midterm disaster if they fail to revive the stalled Build Back Better proposal and make good on other campaign promises to aid families. "Democrats win elections when we show we understand the painful economic realities facing American families and convince voters we will deliver meaningful change. To put it bluntly: if we fail to use the months remaining before the elections to deliver on more of our agenda, Democrats are headed toward big losses in the midterms," Warren wrote in a Times op-ed.

[With Congress in recess, it can rest up for the budget battles ahead](#)

[Biden's cybersecurity budget good start; Congress needs to fill the gaps \(The Hill\)](#)

The White House released the President's Budget Request for Fiscal Year 2023 on the heels of the recently passed Consolidated Appropriations Act, which provided a jolt of cybersecurity funding for 2022 but missed important opportunities. For its part, the FY23

Budget request contains a number of critical cybersecurity investments but falls short on cyber education and critical infrastructure resilience and does not adequately fund the National Institute of Standards and Technology (NIST). Congress should now move decisively to fill those gaps, as it often has in previous years. The FY23 Budget prioritizes securing the federal government's digital systems and networks with an 11 percent (\$10.9 billion) increase in enterprise cybersecurity and IT funding for departments and agencies. For example, the White House requests an increase of \$197 million "to protect and defend sensitive agency systems and information" at the Department of the Treasury. Similarly, the Budget cites improving the Pentagon's network security and strengthening cybersecurity standards for the defense industrial base as priorities. This growth and prioritization align neatly with Executive Order 14028 on Improving the Nation's Cybersecurity which, the Budget notes, emphasizes "enhancing the security of Government-procured software [and] improving detection of cyber threats and vulnerabilities on Federal systems."

Aerospace & Defense

[US to encourage other nations to join ban on anti-satellite weapons testing \(Defense News\)](#)

The Biden administration's announcement Monday that it will no longer test destructive anti-satellite weapons sets the stage for "meaningful discussions" at a United Nations open-ended working group meeting next month to recommend principles of responsible behavior in space, Pentagon and Department of State officials said. Vice President Kamala Harris announced during a visit to Vandenberg Space Force Base in California that the United States would no longer conduct direct-ascent ASAT tests, which destroy satellites in space and can create hazardous debris in orbit. She said the U.S. hopes other nations will follow suit.

[Biden pledges \\$800 million in new aid to Ukraine, will ask Congress for more](#)



[Kyiv Asked for a New Kamikaze Drone to Fight Russia. The Air Force Delivered Phoenix Ghost \(Defense One\)](#)

Ukraine asked the U.S. for a new drone to fight Russia, so the U.S. Air Force delivered one for them: Phoenix Ghost, a new lethal aerial weapon that the Pentagon is reluctant to detail, except to say it will take on many of the qualities of the kamikaze Switchblade drones already in theater. “What I can tell you about the Phoenix Ghost is: this was rapidly developed by the Air Force, in response, specifically, to Ukrainian requirements,” said a senior defense official who briefed Pentagon reporters Thursday. At a Pentagon briefing

later Wednesday, press secretary John Kirby clarified that the Phoenix Ghost had already been developed by the Air Force, and in discussions with the Ukrainians, “we believed that this particular system would very nicely suit their needs, particularly in eastern Ukraine,” Kirby said. “We will continue to move that development in ways that are attuned to Ukrainian requirements.” The drone is produced by California-based Aevex Aerospace. An Aevex employee who answered the phone Thursday told Defense One the company had no comment on the drone.

[Pentagon eyeing the cloud to help firms meet CMMC cybersecurity requirements](#)

[Inflation, Supply Problems Could Push F-35 Cost Higher Than Expected, Lockheed Says \(Defense One\)](#)

Rising inflation and pandemic supply chain disruptions could push the cost of the F-35 stealth fighter higher than expected, delaying the Pentagon and Lockheed Martin from reaching a deal for hundreds of new jets, company executives said. Lockheed also warned that if it does not sign a deal for the new F-35 before July, it could miss its second-quarter earnings projections. “Our teams are diligently working with their joint program office counterparts to achieve closure on this critical milestone and both parties are striving to finish negotiations in the near term,” Lockheed CFO Jay Malave said Tuesday on the company’s quarterly earnings call. “We remain confident in our full-year projections.” CEO Jim Taiclet said that inflation and supply issues are affecting the “underlying cost factors” of each jet.

Advanced Technologies

[More than AI or hypersonics, microelectronics dominate DARPA's investments \(Breaking Defense\)](#)

Flashy programs like hypersonic systems or altering human skin to be less attractive to mosquitoes may get more public attention, but figures released by the military’s fringe R&D department today reveal that its money is really pouring into microelectronics. The Defense Advanced Research Projects Agency (DARPA) plans to spend some \$896 million on microelectronics, a total that is more than the combined figures for its second and third big money investment areas — biotech and artificial intelligence, respectively, at about \$410 million each — in fiscal 2023, according to slides presented today by DARPA Director Stefanie Tompkins. Cyber projects come in fourth at \$184 million, followed by hypersonics at \$143 million and quantum research at \$90 million.

[Another Pentagon Official Exits, Saying U.S. Is at Risk of Losing Tech Edge](#)



[Pentagon Needs Realistic Experimentation for Emerging Tech, Says Navy Scientist \(USNI\)](#)

The Pentagon needs a realistic experimentation program built in to evaluate emerging technologies like Joint All Domain Command and Control [JADC2] and hypersonic or directed energy weapons, a top Navy scientist said Wednesday. Experimentation must be viewed as a necessary asset in mission planning and operations. Live, virtual and constructive experiments using existing platforms and systems and models are helping the Defense Department assess a way forward with JADC2 and other ambitious Pentagon programs needed soon, James Stewart, chief electro-magnetic warfare scientist at the Navy's Surface Warfare Center in Crane, Ind., said on Wednesday.

[DOD Aims to Close Gap in Bringing U.S. Tech Innovation to Market](#)

[Space companies investing in small satellite production capacity as customers shift to hybrid architectures \(C4ISRNET\)](#)

"Elastic" is the word Boeing's President of Commercial Satellites Ryan Reid uses to

describe the relationship between the company's commercial, government and small satellite divisions. Here's what he means by that. When his team used digital technologies to significantly shrink the size of its traditional satellite communications payload, they no longer needed as much room to build it. So, they shifted to a smaller space. That made room for Millennium Space Systems, a Boeing-owned small-satellite company that is expanding its manufacturing capacity, to move in.

Military Installations & Communities

[Eglin, Hurlburt continue local community partnership \(USAF\)](#)

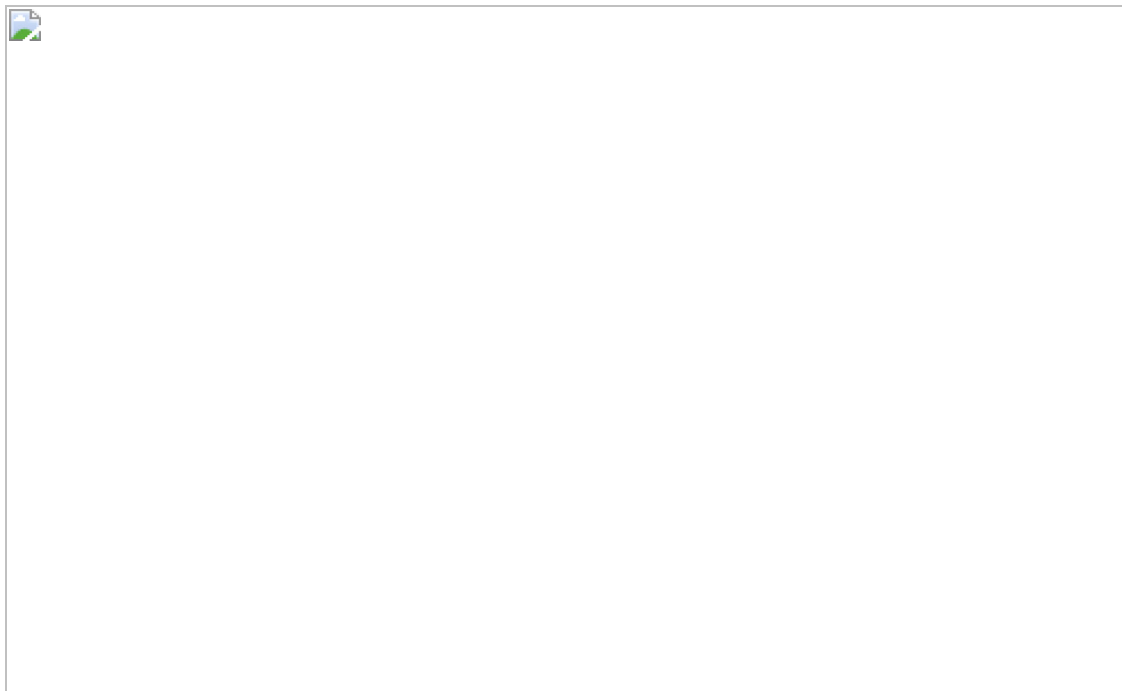
Through the Eglin and Hurlburt Community Partnership Program, the two installations collaborated with Santa Rosa, Okaloosa and Walton County representatives to find solutions to both military and community problems since 2015. As a result, the collaboration produced multiple successes for the bases and counties. Now the entities are kick-starting efforts to keep the program moving into the future, with a meeting April 27 at Northwest Florida State College in Niceville. "It is very exciting to see the enthusiasm and renewed level of participation in the program. With new and continued focus on the common issues like road capacity, housing and childcare shortages, STEM and workforce development, the opportunities to cooperate are inspiring," said Dana McIntyre, 96th Civil Engineer Group deputy director.

[Louisiana Air Force base gas well explosion injures several: report](#)

[Senate panel to release bipartisan report on abuses by military housing contractors \(The Hill\)](#)

A subpanel of the Senate Homeland Security and Governmental Affairs Committee will hold a hearing next week on the alleged mistreatment of military families in privatized housing. Sens. Jon Ossoff (D-Ga.) and Ron Johnson (R-Wis.), the chair and ranking member, respectively, of the panel's Permanent Subcommittee on Investigations, scheduled the hearing for April 26 after investigating the issue for eight months. Ossoff and Johnson plan to release a bipartisan report that day on their findings. "For eight months, we have investigated the mistreatment of military families in privatized housing on U.S. bases," Ossoff said. "On Tuesday we will release findings, hear directly from America's heroes, and question those responsible for their housing." Abuse by private military contractors has been a bipartisan issue, and last year made headlines when one of the largest such contractors pleaded guilty to defrauding the military.

[Report: Northernmost Military Bases Not Prepared for Climate Change](#)



[Shaw, Seymour Johnson Air Force Bases to Receive RF Monitoring Tools in Spring; Laurence Triggs Quoted \(Executive Gov\)](#)

The U.S. Air Force is scheduled to install electromagnetic spectrum monitoring systems at two bases in spring that would help monitor radio frequency signals around military installations. The Air Combat Command will initially field EMS tools at Shaw Air Force Base in South Carolina and Seymour Johnson AFB in North Carolina, the service branch said Monday. The monitoring systems will collect data from electromagnetic radiation from radio, aircraft communication and other applications around bases and send the information to the ACC headquarters for analysis. They could also be used in tandem with the Air Force's counter-unmanned aerial system technologies in defense of an installation's area of operations. "[Now] we can visualize our spectrum output and also alert base defense if abnormalities are detected," explained Laurence Triggs, ACC's EMS Operations branch chief.

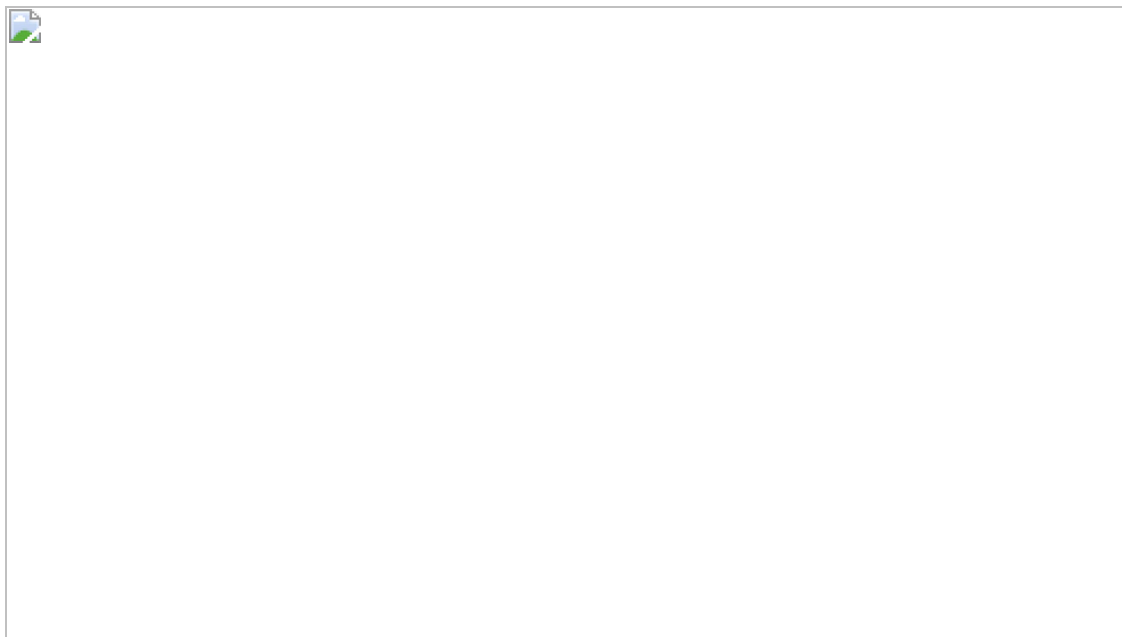
Homeland Security

[U.S. unveils sponsorship program to resettle Ukrainian refugees, discourage travel to U.S.-Mexico border \(CBS\)](#)

The Biden administration is launching a program that will allow U.S. citizens and groups to financially sponsor Ukrainians displaced by the Russian invasion of their country so that

they can come to the U.S. sooner, the Department of Homeland Security (DHS) and President Biden announced Thursday. Ukrainians who are selected to travel to the U.S. under the initiative will be granted humanitarian parole, allowing them to bypass the visa and refugee programs, which typically take years to complete. While it does not offer permanent status, parole would allow Ukrainians to live and work in the U.S. for two years. The sponsorship program, dubbed "Uniting for Ukraine" and set to launch on April 25, is the first concrete U.S. policy aimed at fulfilling Mr. Biden's pledge of welcoming up to 100,000 of the 5 million Ukrainians who have fled their homeland as part of the largest refugee crisis since World War II.

[Why TikTok Is Being Investigated By The Department Of Homeland Security](#)



[GAO: Border Patrol's Missing Migrant Program Lacks Data and Oversight \(HSToday\)](#)

In a report released on April 20, the Government Accountability Office (GAO) says U.S. Border Patrol Border Patrol has incomplete data on migrant deaths and does not have a plan to evaluate how its Missing Migrant Program is working. According to a U.S. Customs and Border Protection (CBP) report, more than 4,900 individuals were rescued and about 300 deceased migrants were found along the southwest border in fiscal year 2019. Congress expressed concern regarding migrant deaths occurring along the southwest border, and a committee report accompanying DHS's fiscal year 2020 appropriation directs CBP to report data on migrant deaths, describe plans to help reduce the number of migrant deaths, and describe its coordination efforts with external entities. The Missing Persons and Unidentified Remains Act of 2019 also requires CBP to produce an annual report on

all unidentified remains discovered during the reporting period on or near the border between the United States and Mexico.

[DHS Extends COVID-19 Vaccination Requirements for Non-U.S. Travelers at Land Ports of Entry and Ferry Terminals](#)

[CISA Expands the Joint Cyber Defense Collaborative to Include Industrial Control Systems Industry Expertise \(HSToday\)](#)

The Cybersecurity and Infrastructure Security Agency (CISA) announced today the expansion of the Joint Cyber Defense Collaborative (JCDC) to include Industrial Control Systems (ICS) experts—security vendors, integrators, and distributors—to further increase U.S. government focus on the cybersecurity and resilience of industrial control systems and operational technology (ICS/OT). Companies initially joining the JCDC-ICS effort include Bechtel, Claroty, Dragos, GE, Honeywell, Nozomi Networks, Schneider Electric, Schweitzer Engineering Laboratories, Siemens, and Xylem, as well as several JCDC Alliance partners. CISA Director Jen Easterly made the announcement speaking to ICS experts at the S4x22 conference in Miami. “Cyber threats to the systems that control and operate the critical infrastructure we rely on every day are among our greatest challenges. As the destruction or corruption of these control systems could cause grave harm, ensuring their security and resilience must be a collective effort that taps into the innovation, expertise, and ingenuity of the ICS community. I’m excited to leverage our evolving JCDC platform to enable us to plan, exercise, and collaborate with industry leaders to drive down risk to the systems and networks we depend on so greatly as a nation.”

Transportation & Infrastructure

[FCC sets out the nation’s new guidelines for obtaining accurate broadband map data \(Wireless Estimator\)](#)

The need for accurate data pinpointing where broadband service is available and where it is lacking, has never been more important, the FCC said on Thursday when it provided details to state, local and tribal entities with guidance on submitting broadband coverage data as the agency goes full-throttle to develop new maps of high-speed service across the nation. The FCC said that service providers and governments use broadband maps to make decisions about where service is needed and how to fund the expansion of broadband services. Still, they stressed that accuracy is a priority, and the Commission’s Broadband Data Task Force and several other offices at the FCC have teamed up to ensure that they are correct. The agency acknowledges in its notification that the country sorely needs to “improve the accuracy of existing maps.” Two weeks ago at a House FCC

oversight hearing, Chairwoman Jessica Rosenworcel said that the new maps will be available in the fall.

[U.S. Looks to Avoid Another Fight Over 5G Airwaves, This Time With the Army](#)

[U.S. Agriculture Dept to invest \\$420 mln in rural water infrastructure \(Reuters\)](#)

The U.S. Department of Agriculture will put \$420 million of funds from the Bipartisan Infrastructure Law towards rehabilitating dams, preventing floods, and restoring watersheds in 31 states, the agency announced Thursday. The funding is part of a broader, multi-agency effort to provide more technical and financial assistance to rural communities that are facing the increasingly unpredictable and severe effects of climate change with outdated infrastructure. It will be distributed to 132 projects in the 31 states, said Agriculture Secretary Tom Vilsack while traveling in Georgia with White House Infrastructure Coordinator Mitch Landrieu and Rep. Sanford Bishop. "Our watershed programs help communities rebuild after natural disasters and prepare for future events," Vilsack said in a statement. "This includes communities that we've historically underserved."

[New factory going up to supply GM with materials for upcoming EVs](#)

[California Voters \(Still\) Want their Bullet Train \(Street Blog SoCal\)](#)

Fifty six percent of voters support continuing to build the state's high-speed rail system, with only 35 percent opposed, according to a new study from Berkeley's Institute of Governmental Studies. "By a margin of 73 percent to 18 percent, Democrats support the project, with 54 percent of independent voters in support and 37 percent opposed. Registered Republicans oppose the project—66 percent to 25 percent," wrote the U.S. High Speed Rail Coalition in a statement about the poll. "This poll confirms what we've believed for a long-time – that the great majority of Californians want electrified high-speed rail to help them alleviate congestion, avoid high gas prices, and address the climate crisis," said Ray LaHood, former U.S. Transportation Secretary and co-chair of the U.S. High-Speed Rail Coalition.

Biotechnology & Healthcare

[One-Quarter of Adults Report Racial Discrimination in Healthcare \(Patient Engagement\)](#)

Two years after the medical industry joined the rest of the nation in a racial reckoning, patients are still reporting a healthcare experience characterized by racial discrimination, according to data shared with PatientEngagementHIT via email. In a new report from The Commonwealth Fund, one in four Black and Hispanic adults over age 60 said they've experienced racial discrimination in healthcare. Those people told researchers their clinicians treated them unfairly or did not take their symptoms seriously because of their race. Of those who reported previous experiences of discrimination, 27 percent said they did not get the care that they needed because of it.

[Dr. Hacker: With 'no carrot,' healthcare can't overcome cybersecurity failures](#)

[Supreme Court nixes appeal on Arkansas' Medicaid work requirements program \(Fierce Healthcare\)](#)

The Supreme Court has shot down a case surrounding the legality of Medicaid work requirements, sending the case back to a lower court with instructions to dismiss it entirely. The decision on Monday in *Becerra vs. Gresham* comes more than a year after the court canceled oral arguments in the work requirements case in March 2021. While a major policy priority for the Trump administration, President Joe Biden's Centers for Medicare and Medicaid Services has moved to unwind the requirements. The Supreme Court remanded the case during back to the U.S. Court of Appeals for the District of Columbia, alongside instructions to dismiss the case as moot. Justices did not elaborate further on the reasons behind the decision, which was included in a list of orders on Monday. Justices decided to take up the case surrounding Arkansas' Medicaid work requirements program back in December 2020. A federal judge had struck down the program that required certain Medicaid beneficiaries to meet work requirements to keep their coverage.



[Feds warn of 'exceptionally aggressive' ransomware threat targeting healthcare](#)

[Not-So-Charitable Donations: DOJ Achieves a \\$20 Million Settlement for a Backdoor Donation Scheme for Increased Medicaid Contributions \(Crowell\)](#)

On April 6, 2022, BayCare Health System Inc. (BayCare) entered into a \$20 million settlement under the False Claims Act with the U.S. Department of Justice (DOJ) to resolve allegations that it had made donations in order to improperly inflate the funding four of its hospitals received from the federal Medicaid program. According to the agreement,

BayCare did not formally admit wrongdoing or liability; rather, BayCare settled in order to “avoid the delay, uncertainty, and expense of litigation.” Florida Medicaid is administered by the state but jointly funded by both the state and federal governments. The federal government’s Federal Financial Participation (FFP) share is paid according to statements of expenditures submitted by the state and per the formula described in sections 1903 and 1905(b) of the Medicaid Act. Once state funding obligations are met, matching federal funding is triggered.

Climate & Development

[Fight against climate change takes on national security implications](#)

[LNG exports will add to climate change \(The Hill\)](#)

The Biden administration is issuing orders to expand the amount of liquified natural gas (LNG) that it exports by over 50 percent as Europe seeks to reduce its reliance on Russian gas. However, by doing so we are decreasing our own energy security, while increasing climate-harming methane emissions and diverting capital expenditures away from green energy to yet more new fossil fuel infrastructure. There are better ways to aid our European allies in their time of energy need. The U.S. tripled its worldwide LNG exports between 2019 and 2021. At our current internal consumption rate, the U.S. Energy Information Agency estimates that the U.S. currently has about a 15-year remaining supply of its own natural gas. However, in 2021 the U.S. exported the equivalent of about a 2-month supply of our gas as LNG to Europe and Asia. With the rush to increase our LNG exports, 100-fold since 2015, we are diminishing our energy security at an increasing rate.



[Gensler Report Finds Most People Feel Unprepared for Climate Change; Identifies a Climate Preparedness Framework for Community Builders](#)

[Coastal experts get chance to explore new Gulf-wide research tools and information \(Gulf of Mexico Alliance\)](#)

Over 800 coastal researchers and managers will get the chance to explore more than 25 regional tools on display April 26 at the Gulf of Mexico Conference (#GOMCON) in Baton Rouge, La. The Tools Café gives participants a unique opportunity to access some of the newest and best tools for coastal resilience, data management, and conservation while learning about these resources directly from developers who created each tool. “We want to assist stakeholders in finding the resources that help them do their important work even better,” said Laura Bowie, Gulf of Mexico Alliance executive director. “One of the major goals of the Alliance, and of the Gulf of Mexico Conference, is to encourage collaboration across the Gulf, and these tools help researchers and managers do just that.”

Next Week's Hearings

Upcoming Committee Hearings for Week of April 25-29

HASC: None Listed

SASC: None Listed

Defense Appropriations Subcommittees

House:

- **Wednesday, April 27th at 10:30AM EST:** National Security Agency and U.S. Cyber Command FY2023 Budget and Posture ([Closed](#))
 - **Witnesses:** General Paul M. Nakasone, Director, National Security Agency, Commander, U.S. Cyber Command

Senate: None Listed

Homeland Security Committees

House:

- **Wednesday, April 27th at 2PM EST:** [A Review of the Fiscal Year 2023 Budget Request for the Department of Homeland Security](#)
 - **Witnesses:** Alejandro Mayorkas, Secretary, Department of Homeland Security

Senate:

- **Tuesday, April 26th at 10AM EST:** [Mistreatment of Military Families in Privatized Housing](#)
 - **Witnesses:**
 - Capt. Samuel Choe, Former Resident in Balfour Beatty Housing, Fort Gordon Army Base
 - Tech Sgt. Jack Fe Torres, Current Resident in Balfour Beatty Housing, Sheppard Air Force Base
 - Rachel Christian, Founder and Chief Legislative Officer, Armed Forces Housing Advocates
 - Jana Wanner, Military Spouse
 - Richard C Taylor, President, Facility Operations, Renovation and Construction, Balfour Beatty Communities
 - Paula Cook, Vice President, Military Community Management, Balfour Beatty Communities



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