

US takes steps to protect electric system from cyberattacks

20 April 2021, by Eric Tucker



This Tuesday, Feb. 16, 2021 file photo shows power lines in Houston. The Biden administration is taking steps to protect the country's electric system from cyberattacks through a new 100-day initiative combining federal government agencies and private industry. The initiative was announced Tuesday by the Energy Department. (AP Photo/David J. Phillip)

The Biden administration is taking steps to protect the country's electricity system from cyberattacks through a new 100-day initiative combining federal government agencies and private industry.

The initiative, announced Tuesday by the Energy Department, encourages owners and operators of power plants and electric utilities to improve their capabilities for identifying cyber threats to their networks. It includes concrete milestones for them to put technologies into use so they can spot and respond to intrusions in real time.

The department is also soliciting recommendations from electric utilities, energy companies, government agencies and others for how to safeguard the energy system supply chain.

"Innovative partnerships like these are essential to

addressing the urgent cybersecurity challenge because much of our critical infrastructure is owned and operated by the private sector," Emily Horne, a spokeswoman for the White House's National Security Council, said in a statement.

The effort, which also involves the Cybersecurity and Infrastructure Security Agency, underscores the heightened concern about the prospects for cyberattacks that disrupt the power supply. Anne Neuberger, the deputy national security adviser for cyber and emerging technology, [said in an interview](#) with The Associated Press this month that the administration was undertaking a new effort to help electric utilities, water districts and other critical industries protect against potentially damaging cyberattacks.

A [Government Accountability Office report](#) last month found that the U.S. grid's distribution systems, which transport electricity from transmission systems to consumers, are increasingly at risk. It said hackers can use multiple techniques to gain access, including compromising the supply chain by manipulating software or hardware or exploiting virtual private network connections.

The report recommended that the Energy Department, the primary federal agency for the energy sector, do more to address those risks.

Perhaps the most notable cyberattack on an electric supply in recent years was attributed to Russia and knocked parts of Ukraine's power grid offline in 2015 and 2016. The Justice Department last October charged six Russian hackers, all suspected military intelligence officers, in connection with that attack and a spate of others.

The U.S., meanwhile, "faces a well-documented and increasing cyber threat from malicious actors seeking to disrupt the electricity Americans rely on to power our homes and businesses," Energy

Secretary Jennifer Granholm said in a statement announcing the new effort.

"It's up to both government and industry to prevent possible harms—that's why we're working together to take these decisive measures so Americans can rely on a resilient, secure, and clean energy system," she added.

© 2021 The Associated Press. All rights reserved.

This material may not be published, broadcast, rewritten or redistributed without permission.

APA citation: US takes steps to protect electric system from cyberattacks (2021, April 20) retrieved 22 January 2022 from <https://techxplore.com/news/2021-04-electric-cyberattacks.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.