



BOARD MEETING AGENDA SUBMITTAL

TO: GCS D Board of Directors

FROM: Peter J. Kampa, General Manager

DATE: November 8, 2022

SUBJECT: Agenda Item 6D: Adoption of a Resolution Authorizing Application to the State of California for Federal Funding Under the Fiscal Year (FY) 2022 State and Local Cybersecurity Grant Program

RECOMMENDED ACTION:

Staff recommends the following action:

I move to adopt Resolution 46-2022 to allow staff to pursue grant funding from the Department of Homeland Security – FEMA, Fiscal Year (FY) 2022 State and Local Cybersecurity Grant Program.

BACKGROUND:

The Groveland CSD current programmable logic controllers (PLC), supervisory control and data acquisition (SCADA) system and cybersecurity network are old, obsolete and insecure.

PLC's are industrial computers that have been designed for the control of industrial processes such as wastewater lift stations. The current PLC's have no encryption and no password protection. The current PLC's range from 15 to 30+ years old. This makes it difficult to get replacement parts to keep systems running efficiently. More importantly the PLC's do not have any form of security to stop digital or physical threats. Anyone can access the Groveland CSD's SCADA network by getting access to a single PLC. Upgrading the SCADA network PLC would greatly enhance the reliability of our systems as well it would provide security measures that can block threats from being able to access our system, do damage to equipment, and/or potential attacks on public health.

SCADA is a software application for controlling industrial processes, which is the gathering of data, in real time, from remote locations in order to control equipment and conditions. The Groveland CSD's SCADA radios are currently CAL-AMP/DATARADIO radio's called Vipre, They are 15+ years old and utilize a single username and password to receive access. The current radio system does not offer a multi factor authentication and/or protection from brute force attacks. The replacement radios use a new Linux based operating system that use multi layered access protection as well as strong encryption for radio traffic. This would help prevent someone from intercepting a radio broadcast and accessing the SCADA network.

Cybersecurity is a layer of defense against an exterior threat that is attempting to access a secure network. The Groveland CSD's current cybersecurity does not meet the U.S. Department of Defense (DOD) requirements. The Laser-Fische software, the proposed new cybersecurity, is a software as a service solution that meets or exceeds the DOD regulations for security. This would allow staff to secure every form of digital information that Groveland CSD utilizes, at the highest level of security available.

DISCUSSION:

The adoption of this resolution will allow staff to pursue grant funding from the Department of Homeland Security – FEMA, Fiscal Year (FY) 2022 State and Local Cybersecurity Grant Program. The proposed Project will include the upgrade of the existing PLC's, SCADA system and cybersecurity network to better protect the Groveland CSD infrastructure from exterior threats.

FINANCIAL IMPACT

The cost to prepare and submit the grant application will be less than \$2000 in engineering costs. There may be a 10% match requirement when the state program is developed. .

ATTACHMENTS

1. Resolution 46-2022

RESOLUTION 46-2022

RESOLUTION OF THE BOARD OF DIRECTORS OF THE GROVELAND COMMUNITY SERVICES DISTRICT AUTHORIZING APPLICATION TO THE STATE OF CALIFORNIA FOR FEDERAL FUNDING UNDER THE FISCAL YEAR (FY) 2022 STATE AND LOCAL CYBERSECURITY GRANT PROGRAM

WHEREAS, the Groveland Community Services District (herein referred to as the District) is a local government agency formed and operating in accordance with Section §61000 et seq. of the California Government Code; and

WHEREAS, the District has the authority to construct, operate and maintain the District owned facilities; and

WHEREAS, the District needs to complete upgrades to their programable logic controllers (PLC), supervisory control and data acquisition (SCADA) system and cybersecurity network; and

WHEREAS, the Department of Homeland Security - FEMA is accepting applications for the Fiscal Year (FY) 2022 State and Local Cybersecurity Grant Program; and

WHEREAS, the Groveland CSD desires to participate in this grant program to the greatest extent possible as a means of providing needed infrastructure acquisitions, improvements and enhancements for the PLC, SCADA and cybersecurity networks; and

NOW THEREFORE BE IT RESOLVED THAT THE BOARD OF DIRECTORS OF THE GROVELAND COMMUNITY SERVICES DISTRICT DOES HEREBY approve as follows:

1. Authorize Staff to submit the submit a grant application with the Department of Homeland Security – FEMA for improvements to the PLC, SCADA and cybersecurity networks.
2. The Board of Directors demonstrates its support for the submittal of a grant application to the Department of Homeland Security - FEMA for improvements to the Groveland Community Services District PLC, SCADA system and cybersecurity networks.

WHEREFORE, this Resolution is passed and adopted by the Board of Directors of the Groveland Community Services District on November 8, 2022, by the following vote:

PASSED AND ADOPTED BY THE BOARD OF DIRECTORS OF GROVELAND COMMUNITY SERVICES DISTRICT this 8th day of November 2022 by the following vote:

AYES:

NOES:

ABSENT:

APPROVE:

By: _____
Spencer Edwards, Board President

ATTEST:

By: _____
Rachel Pearlman, Board Secretary

CERTIFICATE OF SECRETARY

I, Rachel Pearlman, the duly appointed and acting Secretary of the Board of Directors of the Groveland Community Services District, do hereby declare that the foregoing Resolution was duly passed and adopted at a Regular Meeting of the Board of Directors of the Groveland Community Services District, duly called and held on November 8, 2022.

DATED: _____