



**Daniel Nibouar**  
Interim Director

**Disaster Management**  
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September 14, 2021

Board of County Commissioners  
Clackamas County

Members of the Board:

Certification of Designation of Agent Resolution  
for FEMA Hazard Mitigation Grant Program (HMGP) - 5327

Purpose/Outcomes	Disaster Management (DM) requests certification of the designation of agent to the interim disaster management director to sign the grant application to upgrade the Upper Sandy River Flood Warning System.
Dollar Amount and Fiscal Impact	The purpose of this HMGP proposal is to upgrade the equipment and improve service reliability of four* of the five gauge sites of the existing warning system by establishing direct dedicated power connectivity to PGE service and with a dedicated interface to the County's fiber optic broadband service (CBX) to each station. This HMGP project would cover the service installation costs for electric and fiber connectivity, AC converter equipment, updated Campbell Scientific LoggerNet Administrative software, and the labor for an electrician to complete the installation. Disaster Management will assume the monthly recurring costs for PGE and CBX services. Total \$85,000, 25% Local Match \$21,250, Monthly Service Fees \$630
Funding Source	General Fund for 25% local match (already in DM budget)
Duration	Grant performance period is three years with ongoing monthly fees for electricity and fiber broadband services.
Previous Board Action	The Board approved the application for the FEMA HMGP-5327 on April 29, 2021. Item E.2.
Strategic Plan Alignment	1. Ensure Safe, Healthy and Secure Communities
County Counsel Review	Stephen Madkour on 3-14-21.
Procurement Review	Grant application. Procurement review is not required.
Contact Person	Jay Wilson, (503) 723-4848

**BACKGROUND:**

The Board previously approved Disaster Management to apply for the FEMA Hazard Mitigation Grant Program-5327 on April 29, 2021. That approval was sent to FEMA and FEMA has requested the certification as part of their process. The description of the project from the request on April 20, 2021 is below.

This proposal is to improve the service and risk reduction for the existing flood warning system that was originally installed in 2014 with HMGP#1956.0005. The function is to provide near-field monitoring of the, Salmon, Zig Zag, and upper Sandy rivers flowing through numerous



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residential areas. The system's original five gauge stations, designed by Campbell Scientific, uses five sonar-based sensors mounted under County-owned bridges to detect the water surface level. These stations are solar powered with battery storage and communicate the data every 15 minutes with individual station radio signals to a base station at Hoodland Fire near Welches. Following the complete installation of the system in 2017, the operational reliability has suffered due to poor radio transmission and intermittent solar charging due to snow and ice accumulation on the solar panels. Since 2019 the system has been offline.

A working flood warning system will serve approximately 500 riverside residential properties, along with several thousand properties in the broader channel migration zone, and allow County 1 and local emergency officials to track emerging flood conditions of the three rivers within the 10-mile area of the upper Sandy River Basin.

\*The site along the upper Salmon River on Bridge Street is not cost effective for both PGE and CBX and will be decommissioned. The remaining four sites are: two on the upper Sandy River – Lolo Pass Road Bridge and on the Brightwood Bridge; one on the lower Salmon River – Brightwood Bridge; and one on the lower Zig Zag River Bridge on Lolo Pass Road. Clackamas County.

**RECOMMENDATION:**

Staff respectfully recommends the Certification of the Designation of Agent Resolution

Sincerely,

A handwritten signature in cursive script, appearing to read "Daniel Nibouar".

Daniel Nibouar  
Interim Director

Attachments: HMGP-5327 Designation of Agent Resolution

# DESIGNATION OF AGENT

## RESOLUTION

BE IT RESOLVED \_\_\_\_\_ OF \_\_\_\_\_  
(Governing Body) (Public Entity)

THAT \_\_\_\_\_,  
(Name) (Title)

is hereby authorized to execute for and in behalf of

\_\_\_\_\_

a public entity established under the laws of the Oregon, all required forms and documents for the purpose of obtaining financial assistance for the Hazard Mitigation Grant Program (HMGP), or Hazard Mitigation Grant Program Post Fire (HMGP-PF), or the Building Resilient Infrastructure and Communities (BRIC) program under the Disaster Recovery Reform Act of 2018 (DRRA) or the Flood Mitigation Assistance (FMA) program, as pertains to federal mitigation grant programs indicated below (check all that apply):

HMGP     HMGP-PF     BRIC     FMA

Passed and approved this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

### CERTIFICATION

I, \_\_\_\_\_, duly appointed and \_\_\_\_\_  
(Name) (Title)

of \_\_\_\_\_, do hereby certify that the above is a true and correct copy of  
(Public Entity)

a resolution passed and approved by the \_\_\_\_\_  
(Governing Body)

of \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Official Position)

\_\_\_\_\_  
(Date)