



TO: Governance Committee (GC)
FROM: Executive Director's Office (EDO)
SUBJECT: Server Update – PRRIP Data Storage
DATE: September 12, 2023

Request

Headwaters Corporation (Headwaters) requests the GC approve a one-time Other Direct Costs (ODC) expenditure of \$17,300 in 2023 to update and expand capacity to store and back up Program-related project and remote sensing (GIS) data. This one-time expenditure would necessitate the GC approve an increase in approved and available FY23 funds in PRRIP Budget Line Item PD-8.

Background

Headwaters' contract stipulates that we are responsible for storing and protecting all electronic data generated in performance of our role as the EDO including administrative, technical, and remote sensing data. Headwaters last updated our IT infrastructure in 2018 to accommodate the Program's growing library of remote sensing data. Earlier this year, Headwater's IT service provider (Onset Solutions; Onset) notified us that server storage and backup needed to be updated.

Infrastructure Update

Onset recommends that Headwaters update our infrastructure from 32 TB to 60 TB of usable storage. We estimate this will provide enough storage to accommodate all existing data and provide the space for at least an additional two years of remote sensing and other data. The update would retain redundant on- and off-site backup capability to ensure that no data are lost in the event of a disaster that physically destroys server equipment at one of the Program offices as well as cloud backup of 4 TB of the most critical data in case of simultaneous on-site failures. In addition, Onset recommended that we update backup technology, windows software versions, and extend the warranty on the existing server hardware (expires Nov 2023) to a new expiration date of November 2025. The total sales quote with installation is \$17,300.

Item	Price	Purpose	Comment
Synology Backup	\$ 2,600.00	Upgrade backups	Only 1 needed
New 12TB hard drives x10	\$ 5,000.00	Increase storage space	\$2500 per server
Warranty Extension	\$ 6,000.00	2 yr. extension	\$2980 x 2 servers
Upgrade Windows Software	\$ 3,700.00		\$1040 per server + \$1560 licenses
	\$ 17,300.00		