

UNIVERSITY OF LOUISIANA AT
LAFAYETTE

STEP Committee

Technology Fee Application

Wireless Equipment Upgrade, Phase III
Title

Vickie Y. Bailey

Name of Submitter
(Staff or Faculty only)

Network Services

Organization

Title: Wireless Equipment Upgrade, Phase III Date: 11 Jul 2023

Name (Contact Person): Vickie Y. Bailey

Address: PO Drawer 42850 Lafayette, LA 70504-2850

Phone Number: 482-6418 Email: vickie.bailey@louisiana.edu

Department/College/Org : Network Services

ABSTRACT (250 words or less):

The University wireless has undergone major changes in the last 12 years. We have deployed GeauxWifi wireless access points to cover the entire campus network buildings and many outdoor spaces. University students, faculty, and staff rely on wireless connectivity as part of their daily life; wireless is the preferred method of connectivity.

We are currently managing and monitoring almost 3300 wireless access points with six wireless controllers. A small percentage, less than 15%, of these wireless access points are at end of life and do not support today's latest wireless technologies.

Proposal:

- a. Purpose of grant and its impact:
The purpose of this grant is to upgrade the access points which are at end of life and end of support in the wireless network with new access points which will provide improved wireless capability and performance. Network Services has seen a massive increase in wireless computing needs by students, faculty, and staff which require equipment which support these new demands.
- b. Projected Lifetime:
The wireless equipment will have an estimated useful lifespan of 3 to 5 years
- c. STEP Plan Alignment
 - i. **SLO-2** – Continue to expand and enhance the campus network/internet access and its capabilities.
 - ii. **SLE 7.2**
 1. Hardware maintenance and replacement
 2. Wireless coverage on campus
- d. Person(s) responsible for:
 - i. Implementation: Existing NS staff will be responsible for the provisioning of the new access points.
 - ii. Installation: Due to the number of access points to be upgraded, the installation will be contracted out.
 - iii. Maintenance: Existing NS staff will maintain the new access points.
 - iv. Operation: NS personnel are experienced with the operation of access points on the wireless network.

- v. Training (with qualifications): Existing NS staff will be responsible for any training of department personnel.
- e. The budget proposal covers the cost of the upgraded access points, as well as the installation costs.

Budget Proposal

1. Equipment	\$66,776.00
2. Software	\$0.00
3. Supplies	\$0.00
4. Maintenance	\$0.00
5. Personnel	\$0.00
6. Other - Installation	\$7,250.00
<hr/>	
TOTAL:	\$74,026.00