



This project has a great return on investment in terms of facilitating campus tree management, enhancing sustainability reporting, and providing an excellent educational and research platform. It will improve USF's visibility among the nation's sustainable campuses. A database supported by a visual description is a vital asset to the management of green areas on campus. This will become a cost-effective tool for planning for the maintenance and expansion of tree cover.

It will help develop strategies to reduce USF's GHG emissions and diversify tree species for optimal ecosystem services. It will aid USF's sustainability reporting efforts, where the data will be used for estimating GHG captured, air quality improved and storm water stored. This information can be used for education and research at USF in several colleges that benefit student and faculty. It will serve as a useful source of information for USF's tree care planning, documenting, and for the annual application for Tree Canopy designation. It will be vital tool for the planning and operation of the Grounds Department at Facilities Management and serve as a basis to plant more trees and enhance the green cover of the campus.

0 kWh  
\$0.00  
0.00  
0.00

Our team has already discussed the long-term tree mapping operation and maintenance of the database with Facilities Management staff, who has agreed to maintain the database once a complete inventory has been established. Shuang Hao, a landscape architect and arborist from Facilities Management, has been trained on how to use the Tampa Tree Map tool and data collection instruments. The staff also been granted editor privileges to the tool that will allow the department to update the database when trees are removed or new trees are planted.

The density and waterlogged nature of these areas will require students to work in pairs and it will take more time compared to the areas previously mapped. Therefore, we will map these areas over a 2-year period with a group of students working an average of 10 hours each. In addition to the inventory work, it will also require fine tuning of the data and correction of any errors based on desktop work.

	\$24,960.00	\$0.00	
	\$3,600.00	\$0.00	
	\$0.00	\$0.00	
	\$1,440.00	\$0.00	
	\$0.00	\$0.00	
	\$1,500.00	\$0.00	

The \$1500 is 5% contingency.

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