

School Wireless Technology Upgrades

Education

Dept. & Contact: **Charlotte County School Board — Dr. Doug Whittaker, Superintendent of Schools**
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Area: **County-Wide** Locations: **The Academy at Charlotte Tech Center, 18300 Cochran Blvd. Port Charlotte**
Baker Center, 311 E Charlotte Ave. Punta Gorda
Charlotte Harbor School, 22450 Hancock Ave. Port Charlotte
Charlotte High School, 1250 Cooper St. Punta Gorda
Charlotte Technical Center, 18150 Murdock Circle, Port Charlotte
Deep Creek Elementary, 26900 Harborview Rd, Port Charlotte
East Elementary, 27050 Fairway Dr., Punta Gorda
Families First, 750 Essex Ave. Port Charlotte
Kingsway Elementary, 23000 Quasar Blvd. Port Charlotte
L.A. Ainger Middle School, 245 Cougar Way, Rotonda West
Lemon Bay High School, 2201 Placida Road, Englewood
Liberty Elementary, 370 Atwater Street, Port Charlotte
Murdock County Office, 1445 Education Way, Port Charlotte
Murdock Middle School, 17325 Mariner Way, Port Charlotte
Murdock Transportation/Maintenance, 17490 Abbot Avenue, Port Charlotte
Myakka River Elementary, 12650 Wilmington Blvd. Port Charlotte
Meadow Park Elementary, 750 Essex Ave. Port Charlotte
Neil Armstrong Elementary, 22100 Breezeswept Ave. Port Charlotte
Port Charlotte High School, 18200 Cochran Blvd. Port Charlotte
Port Charlotte Middle School, 23000 Midway Blvd. Port Charlotte
Punta Gorda Center Support Services Admin. 1016 Education Ave. Punta Gorda
Punta Gorda Middle School, 1001 Education Ave. Punta Gorda
Peace River Elementary, 4070 Beaver Lane, Port Charlotte
Sallie Jones Elementary, 1230 Narranja St. Punta Gorda
Vineland Elementary, 467 Boundary Blvd. Rotonda West
West County Transportation/Maintenance, 255 Cougar Way, Rotonda West

Need:

Replace and enhance the wireless access points (WAP) at all of our school sites, providing better services to nearly 16,000 students and over 2,000 staff members every day. This will provide increased wireless density to allow more students and staff to use the district's wireless network simultaneously, connecting to the educational resources that they need at a reasonable speed.

Purpose:

To provide increased wireless density to allow more students and staff to use the district's wireless network simultaneously with greater access throughout. These upgrades will also positively impact any person or organization that uses our facilities because the new wireless access points will integrate into both school and guest connections. This project includes a growth plan for future needs, speed and capacity to allow access to information without delay. Security cameras may be wirelessly accessed by law enforcement in the event of an emergency and usage of electricity and air conditioning may be assessed.

Project to be funded by the 1% Local Option Sales Tax Extension if passed by the voters of Charlotte County

Objectives:

Install the access points along with controllers. Test the coverage and the wireless density.

PROJECT COST PRIOR FUNDING:	NONE
PROJECT COST PRIOR FROM SALES TAX:	NONE
TOTAL PROJECT COST:	\$423,900
PROJECT COST REQUIRED NEW SALES TAX:	\$423,900
ANNUAL OPERATING COST:	NONE

Will the project impact public health and safety?

This project will increase safety in our schools by increasing the ability to communicate during crisis.

Will the project foster economic development and create long-term jobs?

No.

Will the project result in decreased, increased, or no operation and maintenance (O&M) costs?

This project will decrease operational costs by allowing us to continue our expansion into a paperless workplace.

Will sales tax allow for application of grant funds from another entity?

No.

Will the project enable furtherance of phased projects from 2008 sales tax extension?

This is not part of any previous sale tax funding.

Is this a joint project with another entity?

School Board only.

Will the project meet a community obligation to serve a special needs segment of the County's population, such as: low-income, aged, or minorities?

This serves all occupants of the building, be they children of low-income families, minorities, or those with emotional or physical special needs.

Is the project included Master Plan and/or Comprehensive Plan?

The continuing expansion of our wireless network is addressed in our District Technology Plan.

Will the project impact environmental quality of the County?

This project will minimally improve environmental quality by reducing paper waste.

Percentage of population served

This project will serve 100% of the students, faculty, and staff of Charlotte County Public Schools. It will also serve all of the parents and any community member that visits one of our sites or hosts an event on any of our campuses, due to the "guest network" access that we provide to visitors.

Will the project improve quality of life in Charlotte County?

The increased wireless access made possible through the WAP project will improve the quality of life in Charlotte County both directly and indirectly. Directly the improvement will be seen by anyone who spends time on our campuses. This improvement will be with respect to the speed of access and the number of people who can simultaneously connect with an acceptable experience. Indirectly, the whole county will benefit from a student population that is better trained in their chosen areas of study due to increased access to instructional resources and instructional content.

Is the project state or federally mandated?

The State has provided standards that they would like districts to meet with respect to wireless but it has not been mandated yet.