



**Budget and Administrative Services
Fiscal Services Division, Grants**

Attention: David Johnston
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"To exceed expectations in the delivery of public services"

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S391628

Charlotte County Marine Advisory Committee

Application for Grant funding for the FY2015/2016 Budget year from 10/1/2015 to 9/30/2016

Please complete the following information and submit to the Charlotte County Fiscal Services Division Office by Thursday, February 5, 2015. All funding requests will be compiled and presented to the Marine Advisory Committee (MAC) at their monthly meeting on Thursday, March 12, 2015 (9:30 am, BCC Room 119). All departments/agencies requesting funds should have a representative present at the March 12th meeting to present their request and answer questions from the Committee. Blank copies of this Application can be found at <http://www.charlottecountyfl.com/BoardsCommittees/MAC/> then clicking on "Boater Improvement Fund Application Information."

Name of Organization: Punta Gorda Police Department
Principal Officer, President, Chairman etc.: Albert A. Arenal, Chief of Police
Address: 1410 Tamiami Trail, Punta Gorda, FL 33950
Telephone number: 941 575-5563 Email: gsepanik@pgorda.us

Amount of Funding Requested: \$5550.00
Total Cost of Project: \$5550.00

Does your organization/department receive any other funding sources: No If yes, please list: _____

Project Location: 1410 Tamiami Trail, Punta Gorda, FL 33950

Estimated Completion Date: As soon as possible

Purpose of Funding Requested: The police department vessel does not currently have a gps/chart plotter. In the event of an emergency on the water, the electronics will aid in locating a position by longitude/latitude which is commonly used by boaters. It also includes built-in dual CHIRP down sonar and side sonar; it will map and update your position, and in addition to basic charts, it has tidal stations, currents, and depth contours. This will aid in determining the location of an item based on currents and tides.

If permits are required, list each required, it's type and status. Attach all permits that have been issued to this application along with the estimated length of time to complete the project by phase and a vicinity map.
N/A

Benefit to the County: The Punta Gorda Police Department's marine division responds to emergencies in the city's waterways as well as the harbor. They assist the Sheriff's office with calls for service which result from search and rescue, medical calls, and boating accidents. The benefit to the county is that the police department will be able to respond quicker and more efficiently.

Any operating costs associated with the project: None

Other justification: This is a common electronic used by boaters. Often times, in the event of an emergency, the distressed boater will call out his longitude/latitude coordinates. Without a chart plotter/gps, the coordinates cannot be tracked.

Please, attach any additional supporting information or documentation you feel is pertinent or supportive for your request.
Attached

Signature of authorized individual responsible for this application, and should funding be granted, the person responsible for assurances that funds are spent as proposed.

Manoj Depani ACCREDITATION MANAGER _____ 2/4/15 _____
Name and Title Date

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses			
(specify)			
Contractual Services			
(specify)			
Materials			
(specify)			
Equipment			
(specify)			
Garmin GPSMAP 7612xsv Chartplotter/Sonar Combo with associated equipment and installation.	\$5550.00		
Salaries ²			
(specify)			
Promotional materials (Specify)			
GRAND TOTAL	\$5550.00		

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

² Salaries are **only** eligible as a WCIND grant expense for Law Enforcement projects.

GPSMAP® 7612xsv

Availability: 1st Quarter, 2015

Part Number: 010-01307-03

\$3,999.99 USD

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12-inch Multi-touch Widescreen Chartplotter/Sonar Combo

- 12-inch multi-touch widescreen display (1280 x 800 WXGA) preloaded with both BlueChart® g2 U.S. coastal and LakeVü™ HD maps
- Built-in dual CHIRP sonar plus CHIRP DownVü and CHIRP SideVü scanning sonar with the clearest images on the water (transducer sold separately)
- High-sensitivity internal 10 Hz GPS/GLONASS
- Fully network capable for Garmin Marine Network and NMEA 2000®, plus NMEA 0183 support
- Supports GSD™ 26 professional sonar module

Designed for sportfishermen, cruisers, sailors and sailing racers who demand high performance, ease of operation and feature integration in a chartplotter/sonar combo. The 12-inch multi-touch widescreen GPSMAP 7612xsv combo includes built-in dual CHIRP sonar plus CHIRP DownVü and CHIRP SideVü scanning sonar with the clearest images on the water. Its internal 10 Hz GPS updates your position and heading 10 times per second. GPSMAP 7612xsv is fully network capable, including Garmin Network and NMEA 2000, and offers the conveniences of built-in Wi-Fi® connectivity.

Built-in Advanced Sonar Capabilities

The built-in sonar capabilities of the GPSMAP 7612xsv include 1 kW dual **CHIRP sonar**, the most sophisticated sonar technology available for the fishing and boating public. Dual CHIRP sonar provides amazingly clear target separation and definition because it puts even more energy onto the target than CHIRP. It gives you the ability to show low/high, med/high or low/med on the screen at the same time, enhancing your ability to distinguish between game fish and balls of bait fish. It also includes both **CHIRP DownVü and CHIRP SideVü** scanning sonar that provide nearly photographic sonar images of fish and structure that passes below and to the sides of your boat. Garmin DownVü and SideVü provide the clearest scanning sonar images on the water. Also supported are 50 kHz/200 kHz, 77 kHz/200 kHz and Minn Kota® and MotorGuide® trolling motor transducers (sold separately). GPSMAP also includes sonar-recording capability that coordinates the timing of the sonar return with your boat's position and saves digital information for playback on a computer using **HomePort™** planning software.

Preloaded BlueChart g2 maps

In addition to basic charts, tidal stations, currents, depth contours, IALA symbols and included fishing charts, BlueChart g2 offers smooth transitioning between zoom levels and more seamless continuity across chart boundaries. You can customize your screens with Safety Shading that allows you to shade all depth contours shallower than your boat's safe depth. Fishing charts emphasize bathymetric contours with less visual clutter on the display. And there's also a choice of standard 2-D direct overhead or 3-D "over-the-bow" map views for easier chart reading and orientation.

Preloaded LakeVü HD maps

These highly detailed freshwater maps include 17,000+ U.S. lakes, rivers and reservoirs. Included in those are

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VIRB® Elite

\$269.99 USD and Up



quatix®

\$449.99 USD and Up



GRID™ (Garmin Remote Input Device)

\$399.99 USD and Up

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Meet the Pros



GPSMAP® Series

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more than 5,700 HD lakes with 1-foot contours shoreline to shoreline; excellent detail of underwater features plus Safety Shading that allows you to designate a minimum depth; interstates, highways, general roads and bridges; designated fishing areas; and points of interest, such as docks, boat ramps, marinas and campgrounds.

Garmin Marine Network and NMEA 2000 Support

Full-network compatibility allows you to add more capabilities to your boat. GPSMAP 7612xsv supports radar, autopilot, instruments, multiple screens, FUSION-Link, sensors, remote sonar modules, digital switching, thermal cameras, [GRID](#) rotary knob, joystick and keypad control, [GXM™ 52](#) marine weather receiver and more.

Add Array or Dome Radar

You can add your choice of [Garmin marine radar](#), including our powerful xHD2 open array radars or xHD dome radars that pairs ease of use with advanced open array features.

Network Sharing

GPSMAP 7612xsv allows you to share features with other compatible GPSMAP units, such as radar, [GSD 24](#), [GSD 25](#) and [GSD 26](#) sonar modules, supplemental maps, and user data, including waypoints, routes and tracks. User data entered into 1 chartplotter can be automatically synced with other chartplotters in a network.

Heading and Position Refreshed 10 Times Per Second

Fast, responsive 10 Hz GPS/GLONASS refreshes your position and heading 10 times each second to make your movement on the screen more fluid. It makes dropping up to 5,000 accurate waypoints — and finding your way back to them — quick and easy.

Upgrade with the Best Maps on the Water

Two SD™ card slots provide expandable memory for accessory map purchases, such as [LakeVü HD Ultra](#) with Max Def Lakes or [BlueChart g2 Vision](#) that add Garmin patented Auto Guidance and other great features.

FUSION-Link Entertainment System

Enjoy the ability to control all compatible FUSION-Link-enabled audio systems directly from your compatible chartplotter display.

Built-in Wi-Fi/ANT+™

Built-in Wi-Fi/ANT for use with [Garmin Helm™](#) and [BlueChart Mobile](#).

Compatible with gWind™ Transducers

Garmin gWind, gWind Wireless and gWind Race transducers feature twin-fin technology with 3-bladed propeller. Connect to the NMEA 2000 and compatible Garmin chartplotters via the [GND™ 10](#) black box bridge.

Black Box Interface

The [GND 10](#) black box interface seamlessly integrates [Nexus instruments and sensors](#) with the Garmin family. It converts data between the Nexus network and NMEA 2000 to provide trouble-free compatibility between Nexus and Garmin products.

View and Control Your Device from a Smartphone or Tablet

Garmin Helm allows you to view and control your compatible Garmin chartplotter from a compatible smartphone or tablet while providing enhanced situational awareness for the mariner. Easily switch between portrait and landscape mode to accommodate mounting preferences. When using an iPhone® or iPad®, you can even record a movie of your chartplotter screen to share with friends and family. Download from The App Store™ or Google Play™.

Get Your Apple® Device Onboard with BlueChart Mobile

With BlueChart Mobile, a free app downloaded from the App Store, you can plan marine routes on your iPad or iPhone then wirelessly transfer them to your boat's compatible networked Garmin chartplotter. Even if you don't have a Garmin chartplotter, you can still take advantage of the tremendous features of BlueChart on your Apple device.

Enhanced Auto Guidance

Just enter the location where you want to go and patented Garmin Auto Guidance technology instantly searches through relevant charts to create a safe virtual pathway on the display that helps you avoid low bridges, shallow water and other charted obstructions en route.

Better still, with enhanced Version 2.0, you now have access to even more features and capabilities. You're able to adjust the calculated Auto Guidance pathway by inserting "via" points at interim stops or landmarks along your desired route. You can easily review hazard points along your calculated path. And you can even engage your compatible Garmin autopilot to follow the Auto Guidance route, automatically. Other 2.0 enhancements give you the ability to calculate arrival times at any point on your route (great for timing arrivals to correspond with bridge openings and other time-critical events). Better still, you can now save your plotted Auto Guidance paths for future navigation by backing them up on an SD™ card with your BlueChart® g2 Vision® or Lake Vü™ HD Ultra cartography¹.

Simplified SOS Calling

This exclusive SOS safety assist feature makes it easier for anyone – even those not familiar with marine electronics or radio protocols – to quickly call for Coast Guard help in an emergency. By simply tapping the SOS button on the chartplotter's touchscreen display, your networked Garmin VHF radio will automatically tune to the Channel 16 emergency frequency and a list of possible situations (Fire, man overboard, etc.) will be displayed. Once the applicable choice has been selected, the screen will provide a Coast Guard approved VHF radio distress call script, along with the ship's current lat/long GPS coordinates, that can be read off to responders – thus saving time, averting panic, and providing the essential information needed by rescuers to assure the best possible outcome.

GPX Waypoints Transfer

If you have waypoints, tracks or frequently used routes stored on another manufacturer's GPS product – or on a Garmin handheld device – now it's easier than ever to transfer those items to your new Garmin chartplotter, via industry-standard GPX software formatting. GPX is an open standard format for GPS data exchange across platforms and applications. With this easy-to-use interface technology, Garmin has taken "no waypoint left behind" to a whole new level of trade-up convenience.

Special Sailing Features

To help you gain a wind-maximizing competitive edge, your chartplotter features a pre-race guidance page that shows your virtual starting line, along with data fields showing laylines, time to burn before the start and a race timer that can be synchronized across all your networked Garmin GPS products. In addition, other supported sailing features include an enhanced wind rose, heading and course-over-ground lines, set and drift, true and apparent wind data and more. You can also use available built-in wireless connectivity to access and control a variety of marine-specific apps via compatible smartphones or tablets.

iPhone and iPad are trademarks of Apple Inc. App Store is a service mark of Apple Inc. Android and Google Play are trademarks of Google Inc. Wi-Fi is a registered trademark of the Wi-Fi Alliance.

¹BlueChart® g2 Vision® or LakeVü™ HD Ultra SD card is required for this technology.





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GT51M-TM – Transom Mount DownVü/SideVü 500 W (CHIRP 260/455 kHz) Traditional 600 W (Mid-band CHIRP 80-160 kHz) Transducer with Temp (12- Pin)

Part Number: 010-12223-00

\$599.99 USD

Processing time is 2–3 weeks.

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This transom mount transducer provides ultra-clear sonar pictures of objects, structure and fish that pass below your boat. This traditional CHIRP and CHIRP DownVü/SideVü transducer is optimized for depth performance and rough conditions.

The CHIRP DownVü/SideVü elements have a power rating of 500 W per element (1,500 W total) and operating frequencies of 260/455 kHz. The traditional CHIRP sonar has a power rating of 600 W and operating frequencies of mid-band CHIRP 80-160 kHz. It also includes a built-in fast response temperature sensor.

GT51M-TM includes a 12-pin transducer with mounting hardware and installation instructions. Follow the instructions carefully to avoid damaging your boat.

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GPS 19x NMEA 2000®

Part Number: 010-01010-10

\$249.99 USD

Processing time is 1–3 business days.

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The highly accurate GPS 19x NMEA 2000 position receiver/antenna provides 10 Hz update rates for position, velocity and time data. It offers high-sensitivity reception and enhanced position acquisition to the Garmin family of marine multifunctional displays (MFD), instrument display and autopilots.

Delivers Reliable Location Data

This 32-channel receiver is capable of tracking multiple global navigation satellite systems, including GPS, GLONASS, Galileo¹ and QZSS¹. Since more satellites are visible, it can provide more accurate fixes in challenging conditions. With its enhanced position, heading and speed accuracy delivered 10 times more often than other receivers/antennas, it provides smoother drawing of your position on the chartplotter/MFD at higher speeds.

WAAS-capable, it can determine your precise location to within 3 m (9.84 ft).

Observable Advantages

Compared to units with slower update rates, the GPS 19x offers dramatic improvement when used at low speeds. Position and course information from slower units can jitter and swing considerably at speeds below 1 mph. The GPS 19x provides a consistent and smooth heading which is especially important when trying to hit a specific waypoint or mark.

The GPS 19x also reflects the true boat heading smoothly and accurately. This is especially evident when coming out of turns. And, the GPS 19x eliminates position skipping that can occur at low speeds and when turning the boat in an arc. The GPS 19x maintains a smooth position throughout the turn².

Built for Versatility

Part of the Garmin marine instrument family, the GPS 19x NMEA 2000 is built to withstand the elements. This waterproof (IPX7) sensor can be pole mounted or flush mounted. It also can be attached to the underside of many fiberglass decks for added ease of installation.

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