

Memorandum



Winston-Salem

Recreation and Parks
Department

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TO: Lee Garrity, City Manager
FROM: William Royston, Recreation and Parks Director
DATE: June 15, 2018
SUBJECT: Functionality and Benefits of GPS for WLGC golf carts
CC: Tasha Logan Ford, Assistant City Manager

In FY18-19, the Winston Lake Golf Course will be replacing the fleet of golf carts. The features of the new golf carts include USB ports, larger golf bag storage, and GPS. As the demand to improve the playing experience at golf courses continues to grow, golfers can enjoy knowing their cart, clubs, etc. are more secure by engaging GPS tracking technology.

This memorandum will outline the functionality and the benefits of the TFM Golf GPS that is used by EZ-Go.

Functionality:

The TFM software is an easy-to-use application which graphically shows the location and status of all your carts that are equipped with the transponder. The display map may be any graphic image(s) that not only shows the locations, but highlights vehicles that are breaking the pre-set rules. It will alert the operator or send an email when a rule is violated.

TFM uses UHF or VHF radio frequencies that can cover the whole course without monthly air-time fees. The effective range of miles, allows the system to work well in remote settings. TFM works where cellular-based systems don't and because of the free airtime the update-rate of cart position and status is fast.

The system functions similar to the Citywide AVL system.

Benefits:

- Reduce wasted time when locating people, for example allows easy location for EMS responders through location of the cart for any emergency situation that may occur on the golf course
- Quickly locates specific vehicles, when needed
- Alarms the golf management of speed, idling, and location violations
- Enforce the keep-out-zones and course boundaries, such as fairways, woods, creeks and other forbidden places by engaging in automatic vehicle lock-down
- Monitor the progress of players to manage golf course capacity; identify where slowdowns may be occurring and allow more execution of the tee times
- Reduce theft by alerting when the cart is moved outside of the area
- Record and report the battery voltage for each cart

Please let me know if you have any questions.

William Royston
Recreation and Parks Director

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