

This will replace all the BluePeak hardware that is currently servicing the Rec center, ie. Access points, switches etc. Currently none of that equipment is connected to the City network.

It puts the wireless under control of the city that is easily managed and monitored.

Any PC's at the REC center will be brought onto the City network and City Active Directory Domain, and be able to be managed and monitored/updated and controlled through the City.

It allows for the connection of the current wireless link between the Rec Center and City Hall and the new SDN fiber link between both giving you redundancy/failover capabilities.

Currently only the HVAC and security cameras go across the wireless link which is a CAPX cost and already paid for.

SDN is providing a wall mount rack so all network equipment will be rack mounted along with a new UPS "battery backup" and switch. The Rec center is on a generator but that takes up to 30 seconds to a minute to be up to powering the Rec Center in an outage. The UPS gives us the carry over when the power goes out and the generator is not up and running.

The new switch is a POE "power over ethernet" device that will power the Access points, IP or VOIP telephones "future proofing", wireless Point to Point link back to City Hall, IP security cameras and any other Power over Ethernet devices ie. Door locks and card readers etc.

The new switch also allows us to do routing which gives the City connectivity directly between the other city sites like Streets, Parks, Trolley, Days of 76, City Hall, Fire and Library without having to go through a central location. This will be key if going to a new phone system city wide where extension to extension calling goes across the new SDN infrastructure which will be possible.

Hope this helps.

Tim

Golden West