

NEWTON COUNTY - COUNTY BUILDINGS

Energy & Facility Improvement Plan

Judicial Center



- New LED Lighting
- New Energy Management System
- Building Envelope Upgrades
- Water Conservation
- HVAC Upgrades
- HVAC Maintenance (One Year)
- Controls Maintenance (One Year)
- Install Access Control
- Replace Analog Cameras with Digital IP Cameras
- Electrical Testing and Upgrades
- Install Non-Chemical Water Treatment on Cooling Tower
- Install Evaporcool System on RTU
- Additional Year Preventative Maintenance on All HVAC Equipment

Administration Building



- New LED Lighting
- New Energy Management System
- Building Envelope Upgrades
- Water Conservation
- HVAC Maintenance (One Year)
- Controls Maintenance (One Year)
- Replace Broken and Vandalized Cameras in Parking Garage with Digital IP Cameras
- Safe Rack roll able access platforms for RTU
- Electrical Testing and Upgrades
- HVAC Reconditioning
- Refrigeration Optimization
- Additional Year Preventative Maintenance on All HVAC Equipment

Historic Courthouse



- New LED Lighting
- New Energy Management System
- Building Envelope Upgrades
- Water Conservation
- HVAC Maintenance (One Year)
- Controls Maintenance (One Year)
- Install Access Control
- Replace Analog Cameras with Digital IP Cameras
- HVAC Upgrades
- Additional Year Preventative Maintenance on All HVAC Equipment

Turner Lake Recreation Center



- New LED Lighting
- Outside Air Reduction
- Building Envelope Upgrades
- HVAC Maintenance (One Year)
- Controls Maintenance (One Year)
- Electrical Testing and Upgrades
- New Energy Management System
- Water Conservation
- HVAC Upgrades
- Additional Year Preventative Maintenance on All HVAC Equipment

Nelson Heights Recreation Center



- New LED Lighting
- HVAC Reconditioning
- Refrigeration Optimization
- HVAC Maintenance (One Year)
- Controls Maintenance (One Year)
- New Energy Management System
- Water Conservation
- Additional Year Preventative Maintenance on All HVAC Equipment

Public Works / Maintenance Building



- HVAC Reconditioning
- Refrigeration Optimization
- HVAC Maintenance (One Year)
- Controls Maintenance (One Year)
- New LED Lighting
- New Energy Management System
- Water Conservation
- HVAC Upgrades
- Additional Year Preventative Maintenance on All HVAC Equipment

Fire Administration Building



- HVAC Reconditioning
- Refrigeration Optimization
- HVAC Maintenance (One Year)
- Controls Maintenance (One Year)
- Install Access Control
- Replace Analog Cameras with Digital IP Cameras
- New LED Lighting
- New Energy Management System
- Water Conservation
- HVAC Upgrades
- Install Evaporcool System on RTU
- Additional Year Preventative Maintenance on All HVAC Equipment

Fire Station 1



- HVAC Reconditioning
- Refrigeration Optimization
- New LED Lighting
- New Energy Management System
- Water Conservation
- HVAC Upgrades

Fire Station 3



- New LED Lighting
- New Energy Management System
- Water Conservation
- HVAC Upgrades

Fire Station 6



- HVAC Reconditioning
- Refrigeration Optimization
- New LED Lighting
- New Energy Management System
- Water Conservation

Fire Station 7



- HVAC Reconditioning
- Refrigeration Optimization
- New LED Lighting
- New Energy Management System
- Water Conservation

Fire Station 9



- New LED Lighting
- New Energy Management System
- Water Conservation
- HVAC Upgrades

Fire Station 14



- New LED Lighting
- New Energy Management System
- Water Conservation
- HVAC Upgrades

Fire Station 15



- New LED Lighting
- New Energy Management System
- Water Conservation
- HVAC Upgrades


NEWTON COUNTY - DETENTION CENTER

Energy & Facility Improvement Plan



- New LED Lighting Throughout Detention Center
- Replace Controls with Tridium - Niagara System
- Install Two Condensing Boilers
- Rebuild Cooling Tower
- Install Non-Chemical Water Treatment on Cooling Tower
- Replace Trane Equipment with Hybrid Roof Top Unit for Kitchen
- Replace Two Water Heaters with Intellihott instantaneous Heater
- Replace HVAC Units in Guards Dining Area and Security Control Center
- Convert Chill Water System to Variable Primary System
- Convert Multizone units to Variable Air Volume Units
- Install Variable Speed Pump System and High Efficiency Valves
- Install Global Plasma System on all Roof Top and Air Handler Units
- All Existing HVAC to be Reconditioned
- Refrigeration Optimization
- Water Conservation (low flow valves, pedal valves on sinks, controls on water consumption)
- Building Envelope Improvements
- Replace Evaporators for Walk in Coolers and Freezers
- Install 26 State of the Art Transformers
- Replace Three Washers and Dryers and Install Ozone Laundry System
- Replace All Equipment in the Kitchen
- Replace Phone System and Equipment with Star to Star Communication System
- HVAC Maintenance (One Year)
- Controls Maintenance (One Year)
- Install Access Controls
- Lightning Suppression System
- Kitchen Hood Demand Control System
- Roof Restoration of Entire Detention Center
- Coating Pod Side Walls
- Additional Year Preventative Maintenance on All HVAC Equipment

 SELF FUNDING

 COMPREHENSIVE SCOPE