1) BATTERY LOAD TEST

Included services
- Visual inspection of battery strings
- Inter-cell impedance
- Load test per manufacturer specifications

Optional Services
- Measure internal cell impedance and AC ripple
- Retorque all intercell connections
- IR scan during load test (include only problem pics in report)

2) DC POWER PLANT

Included Services
- Visually inspect all DC Plant components
- Visually inspect all BDFBs
- Verify cable and busbar sizes/ampacities

Optional Services
- Inventory all DC Plant components and include in report
- Inventory all BDFBs and include in report
- Clamp on all DC loads and include in report
- Verify cable/busbar sizes and ampacities and include all finding in report
- IR scan all DC components/connections and report only problems
- IR scan all CD components/connections and report all finding

3) AC SYSTEM

Optional Services
- Verify existing panel schedules’ accuracy
- Clamp on current readings of all loads
- IR scan AC panels and report only problems found
- IR scan AC panels and report all findings
- Revise existing AC Riser diagram
- Create new AC Riser diagram
- AC switchgear testing and maintenance

4) ALARM VERIFICATION

Optional Services
- Verify power alarm settings
- Verify power alarms report to remote monitoring center (NOCC)
- Verify UPS/Inverter alarms report properly
- Verify generator/transfer switch alarms report properly
- Verify other alarms (HVAC building security, etc)
## 5) FACILITY INSPECTION

**Optional services**
- Verify/revise equipment layout on floor plan
- Verify/revise cable tray layouts on floor plan
- Additional for above in AutoCAD
- Cable tray/ironwork support inspection
- Dedicated cable tray compliance inspection

## 6) GENERATOR

**Standard PM**

**Optional Services**
- Run generator under site load and record voltage and current readings at ATS
- Full generator load test with artificial load
- IR scan ATS and include only problems in report
- IR scan ATS and include all findings and pictures in report

## 7) GROUNDING

**Optional Services**
- General ground path and cable size inspection
- Clamp on all ground cables and report only problems found
- Clamp on all ground cables and report all findings with tables in report
- Revise existing Single Point Grounding drawing provided by customer
- Create new Single Point Grounding drawing on equipment layout

## 8) HVAC INSPECTION

**Included Services**
- Visual inspection including filters, airflow, belt condition, etc
- Check alarm history and runtime logs where available for irregular alarms/runtimes

**Optional Services**
- Inventory all units (make/model) and include all information in report
- Include all alarm histories and runtime logs in report

## 9) UPS

**Optional Services**
- Standard Preventive Maintenance
- Battery readings only
- Load test batteries