L&S Electric specializes in solutions for hydroelectric generators which includes repair, field, and engineering services. Regardless of brand, we service and repair all generators by using a complete set of diagnostic tests including MCE, surge, HIPOT, and Doble Testing.

- Class-F insulation system design exceeds industry standards
- When possible, increased amounts of copper used to improve performance
- Better coil blocking and bracing to minimize insulation degradation and extend the life of the unit
- We VPI the rotor field poles, giving the field poles greater strength and improve longevity
- Winding redesign for increased voltages and/or output.
- Epoxy varnish and insulating paints for tough, durable coating with excellent insulating properties.
- Rigorous in process testing on each rotor field pole during re-insulation and stator coils during installation.
- If you are operating an older hydroelectric generator, L&S Electric can engineer a significant upgrade providing high-efficient, reliable, and durability.

Our hydroelectric generator repair services include:

**Stator**
- New rewinds
- Repair damaged coils
- Replace laminations
- Surge ring upgrades and installations
- Lamination repair
- Dry Ice Cleaning
- RTD Installation

**Exciters**
- Re-insulate field poles
- Turn, Undercut and balance armatures
- Rewind armatures
- Refill/Replace commutators

**Rewind and Refurbishment of Rotating Fields**

**Generator Up-Rate and Design**

**Overhaul Brush Rigging**

**Manufacture New Insulators**

**Rotors**
- Field pole overhaul
- Field pole re-insulation
- Collector ring overhaul
- Manufacture new collector rings and leads
- Dry Ice Cleaning

**Bearings**
- Sleeve bearing repair
- Guide bearings
- Tilt pad bearings
- RTD Installation

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Dedicated People, Quality Products, and Above All, Service.

SCHOFIELD 715.359.3155 or 800.283.8332
DULUTH 218.729.3375 or 800.943.9649
APPLETON 920.730.0205 or 800.283.5564
MENOMINEE 906.864.2500 or 800.864.2507
STURTEVANT 262.886.1875 or 800.367.7676
MINNEAPOLIS 763.780.3234 or 800.290.9320
ROTHSCHILD 715.359.3155 or 800.283.8332
HYDRO SOLUTIONS 715.359.3155 or 800.283.8332

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