ABB TRES promotes environmental stewardship through the following environmentally-friendly transformer services.

**Transformer Remanufacturing**
Transformer remanufacturing provides customers with transformers that are like new while recycling as many components as possible. ABB TRES can certify aged transformer components, typically the transformer tank and core for re-use and replace the rest of the components with modern technology. The remanufactured transformer, with new coils and insulation system, has the same life expectancy of a new transformer. It is often possible with today’s design tools to also increase the capacity of the transformer and provide a new name plate. Recycling transformer parts minimizes the carbon footprint produced from manufacturing a new transformer.

**TrafoOilRenewal™**
ABB TRES offers the TrafoOilRenewal™ process that cleanses and extends the life of transformer oil instead of replacing it. This eliminates the need for new oil and the need for disposal of old oil.

**BIOTEMP®**
If transformer oil must be replaced, ABB TRES offers our natural ester oil, called BIOTEMP®, as well as transformer retrofitting services. BIOTEMP is made from renewable and biodegradable vegetable-based oil (natural ester fluid) and is a superior dielectric insulating fluid combining environmental friendliness, fire resistance and high stability with excellent dielectric characteristics.

**Load tap changer (LTC) retrofits**
ABB TRES can replace a traditional LTC that arcs in oil with a new vacuum bottle LTC that does not arc in oil. By eliminating arcing in oil, this new technology preserves oil quality thereby avoiding the need for oil replacement and avoiding the need for oil disposal.

**Transformer noise abatement**
ABB TRES offers assessments that diagnose the source of transformer noise, makes repairs to minimize noise and installs equipment to contain or cancel transformer noise.
For more information please contact:

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