



Quote#: M211310

September 23, 2025

**Hudson Public Power**  
7143 Stow Rd.  
Hudson, Ohio 44236

**Subject:** South Main Substation 10/12.5 MVA Transformer

**Line Item #1:** 10/12.5 MVA Transformer Rewind Quote

1. The leads & structure will be disassembled, core steel removed, and the coils removed.
2. New windings shall be designed based on optimizing transformer system performance under transient stresses such as fault forces, impulse transfer voltage and switching surges.
3. All windings will be pre-sized under specific pressure during oven dry-out to insure uniform coil sizing and bonding.
4. The core will be inspected and cleaned, as well as reinsulated.
5. New gaskets will be installed for all instruments, compartment doors, manhole covers, bushings, and flanges. Buna N gasket material will be used on all grooved flanges.
6. Radiators will be removed and flushed, and new gaskets will be installed onto flanges.
7. Valves will be cleaned, and new stem gaskets/packing will be installed
8. Tank will be flushed and cleaned. Transformer tank will be sanded, primed and painted ANSI 70 grey.
9. The transformer core and new coils will be reassembled. All leads & taps will be re-connected.
10. Oven dry-out of the core and coil assembly. C&C will be installed into tank and all leads will be connected. Top plate will be rewelded to main tank, and unit will be pressure tested.
11. Connect all devices and controls.
12. The transformer will be vacuumed filled with new Mineral Oil fluid to its proper level.
13. The following testing will be performed:
  - Insulation Resistance (winding and core)
  - Power Factor and Capacitance
  - Ratio and Phase Displacement
  - Winding Resistance
  - Excitation and Core Loss
  - Impedance and Load Loss
  - Applied Potential Test (Hi-pot on primary and secondary for 1 minute)
  - Induced Potential Test
  - SFRA (Sweep frequency response analysis)
  - The following oil test will be performed to establish a new base line: Mineral oil standard quality bundle and DGA.
14. A new nameplate and nameplate drawing will be provided.

15. Magnetech will prep transformer and load onto truck for transportation to customers location Radiators will be shipped on main tank. HV bushings will be shipped removed from main tank.
16. Magnetech will mobilize to customer site, where we will perform safety training and proper LOTO.
17. Magnetech will rig transformer and remove from truck, and land onto original pad.
18. Magnetech will install original bushings, and top off unit to proper level.
19. Magnetech will complete commission testing: Customer approved tap position  
Insulation Resistance (winding and core)  
Power Factor  
Ratio and Phase Displacement  
Winding Resistance  
SFRA (Sweep frequency response analysis)
20. Clean work area and demobilize from the site.

**New Parts:**

1. Winding conductor
2. Insulation material (Coils & Core)
3. Gasket material
4. Paint
5. Nameplate
6. Insulating fluid (Mineral Oil)
7. Pressure gauge
8. Liquid level gauge
9. Fluid temp gauge
10. Fans

**Pricing (Line Item #1):**       **\$351,393.00**

**Payment Terms:**

Invoices will be issued according to the milestone schedule below:

- 20% upon receipt of order
- 30% upon completion of all windings.
- Balance due upon successful completion of final testing at site.

**Lead Time:** 28-32 weeks – NOTE: Delivery is subject to change due to volatility in material market and shipping/import delays.

**GENERAL TERMS:**

1. This proposal is valid for 30 days.
2. Payment terms are net 30 days with approved credit, unless otherwise stated.
3. Applicable taxes, duties, and tariffs are in addition to the quoted prices.
4. Magnetech reserves the right to reject any portion of the work, if upon inspection, the safety or operational procedures of the job violate standard practice.
5. Price subject to change.
6. Warranty per terms and conditions of sale: 12 months after energization or 18 months after shipping, whichever comes first.

7. All clerical errors are subject to correction.
8. Magnetech Terms and Conditions apply.
9. If unit is put on hold by customer for more 30 days, storage fees may apply
10. Magnetech objective is to improve the integrity of the equipment. During this process various parts and/or components may break due to age or may prove to be unacceptable for continued use. If in-shop repairs or replacement parts are required and are beyond the general work scope, then additional charges may apply.

We look forward to working with you on this project. If you have any questions, please feel free to give us a call.

Sincerely,

David Tharp  
General Manager  
Magnetech Industrial Services  
Massillon Service Center