Power factor correction capacitor bank survey sheet

General
Customer: ________________________________________
Customer contact: ________________________________________
Address: ________________________________________
Email: ________________________________________
Phone: ________________________________________
Eaton contact: ________________________________________

Preliminary information for budgetary estimate
Name of utility*  ___________________________
Current billed demand* (kW/kVA)  ___________________________
Present power factor (known/calculated)* (lagging)  ___________________________
Desired power factor* (lagging)  ___________________________
kVA of service transformer (kVA)  ___________________________
Transformer primary and secondary voltages (V)  ___________________________
Impedance of transformer (if known) (%Z)  ___________________________
Nonlinear loads present (Y/N)  ___________________________
Approximate ratio of nonlinear load to total load (%)  ___________________________

*If information is unknown, please provide the following:
□ Rate sheet attached/rate structure
□ Past 12 months of billing information attached (if not available, at least 3 months summer and 3 months winter bills)

Additional information required for a quote
Intent: ____________________________________________________________________________
(Reduce or eliminate PF penalty, release plant/transformer/cable capacity, assist in voltage regulation, filter or correct harmonics, fault ride-through, bus voltage support, or other).

Distribution and utilization voltage (HV/MV/LV)  ___________________________
Additional source of generation (co-gen, diesel generators, etc.)  ___________________________
Total connected load (kVA/kW/hp)  ___________________________
Total demand load (kVA/kW/hp)  ___________________________
Largest motor size (kW/hp)  ___________________________
Largest non-motive load (kVA/kW/hp)  ___________________________
Type of nonlinear load
□ Adjustable speed drives type (DC drives, 6 pulse, 12 pulse, 18 pulse)
□ Soft starters
□ Arc furnaces
□ Welders
□ UPS
□ UV equipment
□ DC–DC, AC–DC converters (electrolysis cells, etc.)
□ Others (please describe)  ___________________________

Type of production facility: (cement, chemical, sawmill, underground mine, etc.)  ___________________________
Type of environment: (dusty, conductive metallic dust, hazardous, very hot, marine, chemically reactive, etc.)  ___________________________
Short-circuit capacity of the system on the primary side (MVA)  ___________________________
Are there PF capacitors currently present? (Y/N)  ___________________________
(Preferably collect information on utility bulk correction capacitors for the line)
If yes, kVAR capacity and voltage (kVAR)  ___________________________
(volts)  ___________________________

Date: _______________________

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For product support, please contact Eaton’s Technical Resource Center (TRC) power factor application engineers at 1-800-809-2772, choose option #4, then option #2.
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