TRI-COUNTY ELECTRIC MEMBERSHIP CORPORATION COMMERCIAL LOAD SURVEY

Name of Business		Mailing Add	ress			
Contact Person						
Daytime Phone #	Evening Pho	one #		Fax #		
Type of Business:						
☐ Airport ☐ Aluminum Fabricator ☐ Asphalt Plant ☐ Chemical Plant ☐ Chicken Processor ☐ Dairy Farm ☐ Electronics ☐ Fast Food ☐ Food Processor ☐ Gas Station ☐ General Manufacturing	□ Glass Plant □ Office Bldg. □ Government Bldg. □ Plastic Extruder □ Grain Elevator □ Printing Plant □ Hospital □ Pulp & Paper Plant □ Livestock Farm □ Retail Store □ Lodging / Hotel □ Sawmill / Wood □ Metal Fabricator □ School □ Metal Foundry □ Textile Plant □ Milling Plant □ Waste Water Plant □ Mineral Grinder □ Water Facility □ Nursing Home □ Other				ruder ant oer Pla e Wood P nt ter Plar ility	Products
Connected Load Profile						
◆ Service Entrance Voltage Required:	□ 27	77/480Y	□ 120/20	08Y □ 120/2	40Δ	
◆ Total Connected Load	kW		◆ Lighting Load		kW	
◆ Motor Load	kW		◆ Electric Heat Load		kW	
◆ Compressors	kW		♦ Air Conditioning Load		kW	
♦ Chillers	kW		◆ Receptacles (120V)		kW	
♦ Kitchen Equipment	kW		◆ Misc		kW	
◆ Water Heating	kW		◆ Service Entrance (Amps)			
Energy Consumption History						
◆ Peak Winter Demand (kW)			◆ Peak Sum	nmer Demand (kW)		
◆ Peak Winter Energy (kWh)			◆ Peak Summer Energy (kWh)			
◆ Average Load Factor			◆ Average Power Factor			
Large Motor Inventory: Please list all	large motors	or load cent	ers used in pro	ocess (>100 HP) and	include	e the
following information. Motor or Load Center Description		power r W	1 Phase or 3 Phase	Operating Voltage		Cycles (Hz)

◆ TCEMC requires an 93%	□Yes	□ No					
◆ Would you like TCEMC to	☐ Yes	□ No					
◆ Do you prefer overhead of	□OH	□ UGP					
Note: For loads exceeding 300 kW, underground facilities are typically required if possible.							
Requirements for three ph	nase service:						
Overhead TCEMC to furnish overhead primary conductors, transformer bank, service conductors (OH or UG if terminated outside of building) and metering. Under transformer to furnish conductors, padmour conductors, padmour conductor connection metering.			·				
Customer to sign easeme contract and furnish ditch underground service.	contract, furnish ditch underground conductors, TCEMC specification	Customer to sign easement, sign 5 year power contract, furnish ditch and conduit for all underground conductors, pour transformer pad to TCEMC specification and furnish secondary conductors if not terminated outside the building.					
Additional cost may be required for excessive distances depending on size and type of load. Normally, TCEMC will build up to 800' of three phase primary at no cost to the customer. Specific requirements will be determined by the field technician when the job order is engineered. Specification drawings for transformer pads, ditches and underground conduit systems will be furnished by TCEMC.							
Additional Notes:							
◆ Motor starting current res	trictions:						
Three Phase	e Motors	Single Pha	Single Phase Motors				
50 hp and less	No limiting device	5 hp or less	No limiting de	evice			
50 hp to 100 hp	300% of full load	5 hp to 15 hp	300% of full I	oad			
100 hp to 200 hp	250% of full load	Over 15 hp	* Special App	olication			
Over 200	* Special Application	* Depends on siz	* Depends on size and application				
frequency without being ◆ TCEMC offers a wide ran	n at 60 Cycles and cannot be chan damaged. age of value added services free to	our customers including power	r quality analy	sis, HVAC			

- ◆ TCEMC offers a wide range of value added services free to our customers including power quality analysis, HVAC planning and load monitoring. Should you have a power quality or energy usage concern or plan to add any load to your operation please contact the Engineering Department in Lafayette at 615-666-2111 or your local office for assistance.
- ◆ Before making a final decision about your heating and cooling requirements please ask your local TCEMC office to schedule you an appointment with our marketing department to discuss possible incentives to install low-cost, high efficiency all-electric facilities.

PLEASE RETURN THIS FORM TO YOUR LOCAL TRI-COUNTY ELECTRIC OFFICE OR TO THE ENGINEERING DEPARTMENT AT:

Tri-County EMC Engineering Department P.O. Box 40 Lafayette, TN 37083

YOUR COMPLETION OF THIS FORM WILL MAKE IT POSSIBLE FOR TRI-COUNTY EMC TO BETTER MEET YOUR NEEDS. THANK YOU