

Preliminary Harmonics Survey

PLEASE PRINT Complete the questions below and fax this form to 908-637-8320. TCI will prepare a cost-free analysis and recommendation for you. Questions? Call us at 908-637-8300.

Step 1: Contact Information

Name:

Organization:

Address:

Phone:

Fax:

E-mail:

Survey Location & Date:

Client Concern:

Neutral current ____

Hot transformer ____

Neutral-ground voltage ____

Equipment failure ____

Voltage Distortion ____

Harmonic current ____

Other - explain briefly:

Measuring Instrument(s) used:

Step 2. Single Line Sketch

Attach a sketch of the single line of the local distribution system. Note details such as transformer and panel identification as well as approximate electrical distances between electrical distribution switchboard and transformers, transformers and panels, etc.

Step 3. Collect Data

Transformer ID			Panel ID	
kVA			Rated Amps	
Connection			Main CB Amps	
Primary Volts			Feeder Cable	
Secondary Volts				

		PANELBOARD			HARMONIC SPECTRUM DATA		
Transformer Primary		or Transformer Secondary			Circle one:	% fund. or	% RMS
	RMS (V or A)	THD (%)	RMS (V or A)	THD (%)		Voltage dist. (%)	Current dist (%)
V _{A-B}					THD (%)		
V _{B-C}					Phase		
V _{C-A}							
V _{A-N}					Harmonic		
V _{B-N}					3		
V _{C-N}					5		
V _{N-G}					7		
I _A					9		
I _B					11		
I _C					13		
I _N					other		
I _G							
Note: Fill in as much information as possible.					Note: Enter phase voltage and current from highest voltage THD		

Fax completed form(s) along with single line and harmonic printouts to TCI at 908-637-8320. TCI will prepare a cost-free analysis and recommendation for you.