THE High Voltage Service ELECTRICAL EQUIPMENT CONDITION ASSESSMENT Checklist

		Location:		
		Email address:		
Date:				
	PREVENTIVE M	AINTENANCE		
	Do you currently have			
		e a maintenance budget?		
		tenance work have to be performed?		
	4. Do you perform infrar			
	Power Transformers			
	1. Oil Filled, Dry or Both	?		
	2. Oil Testing Annually?		Yes	No
		I inspected every 3 to 5 years?	Yes	No
		nd Megger testing performed every three years?	Yes	No
	Equipment grounding		Yes	. No
	Transformers are free a. Number of trans	e from corrosion and leak free? asformers?	Yes	. No
	Medium Voltage Circui	t Breakers or Disconnects		
		is tested every 5 years?	Yes	No
	2. Electrical equipment i	s free from corrosion?	Yes	No
	Equipment tested eve		Yes	No
	 a. Number of bre 	akers?		
	b. Number of rela			
	c. Number of disc	connects?		
	Low Voltage Power Cir			
		is tested every 5 years?	Yes	No
	Electrical equipment i		Yes	No
	3. Tested every 3 to 5 years		Yes	No
		akers 1600 amp or greater?		
		akers 600 to1599 amp?		
		akers less than 600 amp?		
		on tested every 3 to 5 years?	Yes	No
	Substation free of del	oris and obstacles?	Yes	No

 Fused Disconnect Switches Equipment grounding is tested every 5 years? Electrical equipment is free from corrosion? Tested every 3 to 5 years? Ground fault protection tested every 3 to 5 years? Motor Control Centers (MCC's)	Yes No Yes No Yes No Yes No
 Equipment grounding is tested every 5 years? Electrical equipment is free from corrosion? Tested every 3 to 5 years? a. Number of starters (breaker) b. Number of starters (fused) 	Yes No Yes No Yes No
Generators and Transfer Switches1. Emergency Generator(s) condition is inspected and operational testing done monthly and recorded?2. Automatic Transfer Switch operation and Inspection performed?	Yes No Yes No
Power Factor Correction Capacitors 1. Capacitor integrity verified? 2. Power Factor over .90?	Yes No Yes No
Equipment Grounding is verified 1. Equipment Grounding is verified every 5 years?	Yes No
ENGINEERING DOCUMENTATION 1. One-Line Diagram Exists 2. Is the One-Line Diagram mounted in the Substation	Yes No Yes No
ARC FLASH HAZARD ANALYSIS Arc Flash/Shock Hazard labels installed on all electrical equipment	Yes No
PERSONAL PROTECTIVE EQUIPMENT (PPE) 1. Uniform material type 2. Has appropriate Arc Flash Equipment (PPE) for switching 3. Has appropriate Shock Hazard Equipment (PPE) for switching	Yes No Yes No
E. SAFETY TRAINING1. Persons Who Operate/Maintain Electrical Equipment are Trained for the Voltage-Class Equipment they Operate/Maintain	Yes No