



TRANSUCER TEST



OWNER Example Owner PAGE 1

PLANT Example Plant AMBIENT TEMP. _____ °F DATE 10/13/2014

SUBSTATION WATTHOUR METERS, TRANSUCERS HUMIDITY _____ % JOB # WATTHOUR METERS

POSITION GENERAL ASSET ID _____

NAMEPLATE DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____

CATALOG NO. _____

VOLTAGE _____ CURRENT _____ FREQUENCY _____ PHASE _____ WIRE _____ ELEMENTS _____

CALIBRATION ADJUSTMENT _____ ACCURACY _____ OUTPUT _____

OTHER _____

TEST RESULTS

INPUT	PHASE ANGLE DEGREES	MILLIAMP OUTPUT		
		AS FOUND	AS SPECIFIED	AS LEFT

COMMENTS: _____

DEFICIENCIES: _____

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator



WATTHOUR METER TEST



OWNER Example Owner PAGE 2
 PLANT Example Plant AMBIENT TEMP. _____ °F DATE 10/13/2014
 SUBSTATION WATTHOUR METERS, TRANSDUCERS HUMIDITY _____ % JOB # WATTHOUR METERS
 POSITION GENERAL ASSET ID _____

KWHR METER DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____
 CLASS _____ PKh _____ Kh _____ TA _____ PHASE _____
 WIRE _____ VOLTAGE _____ STATORS _____ CAT. NO./STYLE NO. _____
 INSTRUCTION BOOKLET _____ OTHER _____

KWHR REGISTER DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____
 FULL SCALE kW _____ VOLTAGE _____ REGISTER RATIO _____
 CLASS _____ DEMAND INTERVAL _____ MIN. DIRECT RDG. FOR Kh _____

CURRENT TRANSFORMER DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____
 RATIO _____ :5 VOLTAGE CLASS _____ kV ACCURACY CLASS _____
 STYLE _____ CATALOG NO. _____ BURDEN _____

VOLTAGE TRANSFORMER DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____
 RATIO _____ :1 VOLTAGE CLASS _____ kV ACCURACY CLASS _____
 VOLTAMPERE RATING _____ VA CATALOG NO. _____ POLARITY _____

AS FOUND READINGS

KWHR _____ DEMAND _____ MULTIPLY BY _____
 AS FOUND TESTS ELEMENT BALANCE: OK CORRECTED DEFECTIVE CREEP TEST: _____ REV / 3MIN

LOAD	STANDARD CONSTANT	CORRECTION OF INST. TRANS.	REVOLUTIONS				ACTUAL % REGISTRATION
			MEASURED	CALCULATED	STAND. CORR.	METER	
LIGHT							
FULL							
50% FP, FULL LOAD							

AS LEFT TESTS ELEMENT BALANCE: OK CORRECTED DEFECTIVE CREEP TEST: _____ REV / 3MIN

LOAD	STANDARD CONSTANT	CORRECTION OF INST. TRANS.	REVOLUTIONS				ACTUAL % REGISTRATION
			MEASURED	CALCULATED	STAND. CORR.	METER	
LIGHT							
FULL							
50% FP, FULL LOAD							

DEMAND INDICATOR TEST

_____ AMPS @ _____ VOLTS & 100% P.F. FOR _____ MINUTES = _____ kW

PULSE INITIATOR TEST

SPECIFIED _____ REV./ _____ PULSES TEST RESULTS: _____ REV./ _____ PULSES

AS LEFT READINGS

KWHR _____ DEMAND _____ MULTIPLY BY _____

WIRING CORRECT PER MFR. DIAGRAM NO. _____ OPERATING VOLTAGE _____ 3 PH 3W 3 PH 4W 1 PH
 KWHR STANDARD S/N _____ STANDARD CALIBRATION DATE _____

COMMENTS:

DEFICIENCIES:

TEST EQUIPMENT USED: _____

TESTED BY: Default Administrator



KILOWATT-HOUR METER SERVICE RECORD



OWNER Example Owner

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PLANT Example Plant

AMBIENT TEMP. _____ °F

DATE 10/13/2014

SUBSTATION WATTHOUR METERS, TRANSDUCERS

HUMIDITY _____ %

JOB # WATTHOUR METERS

POSITION GENERAL

ASSET ID _____

DATE REMOVED	SERIAL NUMBER	SUBSTATION/ POSITION	READING ON DATE REMOVED	DEMAND ON DATE REMOVED

DATE REINSTALLED	READING ON DATE REINSTALLED

COMMENTS: _____
 DEFICIENCIES: _____

TEST EQUIPMENT USED: _____

TESTED BY: Default Administrator



MULTIFUNCTION METERING MODULE



OWNER Example Owner
 PLANT Example Plant
 SUBSTATION WATTHOUR METERS, TRANSDUCERS
 POSITION GENERAL

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 AMBIENT TEMP. _____ °F
 DATE 10/13/2014
 HUMIDITY _____ %
 JOB # WATTHOUR METERS
 ASSET ID _____

NAMEPLATE DATA

MANUFACTURER _____ SERIAL NO. _____
 MODEL _____ CONTROL VOLTAGE _____
 STYLE / SERIES NO. _____ INSTRUCTION MANUAL NO. _____
 CLASS _____ TYPE _____

INSTRUMENT TRANSFORMER DATA

VOLTAGE TRANSFORMER: PRIMARY VOLTAGE _____ V SECONDARY VOLTAGE _____ V VTR = _____
 CURRENT TRANSFORMER: PRIMARY CURRENT _____ A SECONDARY CURRENT _____ A CTR = _____

VOLTAGE READINGS	MEASURED PT SECONDARY VOLTAGE (volts)	VTR	MEASURED SYSTEM VOLTAGE (volts)	MULTIFUNCTION METER READING	PERCENT ERROR
A - N					
B - N					
C - N					
A - B					
A - C					
B - C					

CURRENT READINGS	MEASURED CT SECONDARY CURRENT (amps)	CTR	MEASURED SYSTEM CURRENT (amps)	MULTIFUNCTION METER READING	PERCENT ERROR
PHASE A					
PHASE B					
PHASE C					

COMMENTS: _____
 DEFICIENCIES: _____

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator



WATTHOUR METER TEST



OWNER Example Owner PAGE 5
 PLANT Example Plant AMBIENT TEMP. _____ °F DATE 10/13/2014
 SUBSTATION WATTHOUR METERS, TRANSDUCERS HUMIDITY _____ % JOB # WATTHOUR METERS
 POSITION GENERAL ASSET ID _____

KWHR METER DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____
 CLASS _____ PKh _____ Kh _____ TA _____ PHASE _____
 WIRE _____ VOLTAGE _____ STATORS _____ CAT. NO./STYLE NO. _____
 INSTRUCTION BOOKLET _____ OTHER _____

KWHR REGISTER DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____
 FULL SCALE kW _____ VOLTAGE _____ REGISTER RATIO _____
 CLASS _____ DEMAND INTERVAL _____ MIN. DIRECT RDG. FOR Kh _____

CURRENT TRANSFORMER DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____
 RATIO _____ :5 VOLTAGE CLASS _____ kV ACCURACY CLASS _____
 STYLE _____ CATALOG NO. _____ BURDEN _____

VOLTAGE TRANSFORMER DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____
 RATIO _____ :1 VOLTAGE CLASS _____ kV ACCURACY CLASS _____
 VOLTAMPERE RATING _____ VA CATALOG NO. _____ POLARITY _____

AS FOUND READINGS

KWHR _____ DEMAND _____ MULTIPLY BY _____
 AS FOUND TESTS ELEMENT BALANCE: OK CORRECTED DEFECTIVE CREEP TEST: _____ REV / 3MIN

LOAD	STANDARD CONSTANT	CORRECTION OF INST. TRANS.	REVOLUTIONS			ACTUAL % REGISTRATION
			STANDARD	STAND. CORR.	METER	
LIGHT						
FULL						
50% FP, FULL LOAD						

AS LEFT TESTS ELEMENT BALANCE: OK CORRECTED DEFECTIVE CREEP TEST: _____ REV / 3MIN

LOAD	STANDARD CONSTANT	CORRECTION OF INST. TRANS.	REVOLUTIONS			ACTUAL % REGISTRATION
			STANDARD	STAND. CORR.	METER	
LIGHT						
FULL						
50% FP, FULL LOAD						

DEMAND INDICATOR TEST

_____ AMPS @ _____ VOLTS & 100% P.F. FOR _____ MINUTES = _____ kW

PULSE INITIATOR TEST

SPECIFIED _____ REV./ _____ PULSES TEST RESULTS: _____ REV./ _____ PULSES

AS LEFT READINGS

KWHR _____ DEMAND _____ MULTIPLY BY _____

WIRING CORRECT PER MFR. DIAGRAM NO. _____ OPERATING VOLTAGE _____ 3 PH 3W 3 PH 4W 1 PH
 KWHR STANDARD S/N _____ STANDARD CALIBRATION DATE _____

COMMENTS:

DEFICIENCIES:

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TEST EQUIPMENT USED: _____

TESTED BY: Default Administrator



VAR TRANSDUCER TEST



OWNER Example Owner PAGE 6
 PLANT Example Plant AMBIENT TEMP. _____ °F DATE 10/13/2014
 SUBSTATION WATTHOUR METERS, TRANSDUCERS HUMIDITY _____ % JOB # WATTHOUR METERS
 POSITION GENERAL ASSET ID _____

NAMEPLATE DATA

MANUFACTURER _____ SERIAL NO. _____ TYPE _____
 CATALOG NO. _____
 VOLTAGE _____ CURRENT _____ FREQUENCY _____ PHASE _____ WIRE _____ ELEMENTS _____
 CALIBRATION ADJUSTMENT _____ ACCURACY _____ OUTPUT _____
 OTHER _____

TEST RESULTS

INPUT	PHASE ANGLE	VAR INPUT	MILLIAMP OUTPUT		
			AS FOUND	AS SPECIFIED	AS LEFT

PHASE ANGLE MULTIPLIER (TANGENT)					
ANGLE	MULTIPLIER	ANGLE	MULTIPLIER	ANGLE	MULTIPLIER
0 DEG	0	45 DEG	1.0000	90 DEG	0
30 DEG	0.57735	-30 DEG	-0.57735	-90 DEG	0
		-45 DEG	-1.0000		

COMMENTS: _____
 DEFICIENCIES: _____

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator