

CLIENT Project (AFE) No.:			Job No.:	8122
CLIENT DOC No.:			Doc No.:	
			Revision:	B
			Rev. Date:	5/16/2025

KYMEA METER STATION

DATA SHEET - METER SKID

<input type="checkbox"/> ISSUE FOR REVIEW <input type="checkbox"/> DRAFT ISSUE FOR COMMENTS <input checked="" type="checkbox"/> ISSUE FOR BID <input type="checkbox"/> ISSUE FOR CLIENT APPROVAL <input type="checkbox"/> ISSUE FOR CONSTRUCTION – Rev 0 <input type="checkbox"/> ISSUE AS REVISED DOCUMENT	APPROVALS	
	Mechanical Engineer Andrew Roach	Date 5/16/2025
	Project Manager Byron Marlowe	Date 3/3/2025
	Client - Project Manager	Date

Approvals:						
	By:	Date:				
Initiator	CB	03/03/25				
Process	N/A					
Mechanical	CB	03/03/25				
Civil	N/A					
Electrical	DD	03/03/25	Rev.:	Date:	By:	Approval:
Instrumentation	HO	03/03/25	A	03/03/25	CB	IFR
Project Eng.	AR	05/16/25	B	05/16/25	AR	IFB
Project Mgr.	BM	03/03/25				
Client						

Reference Documents

Design Standard: Meter Station, EC-DS-007, Revision 1, 04/10/2019
 OP-CC-GS-COAT-001 General Coating Specifications, Revision 3.20, 05/31/2024
 EnSiteUSA P&ID

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REV.	STATUS	DATE	BY	CHK.	APPR.	ISSUE DATE	JOB NO.:	8122
A	For Review	3/3/2025	CB	JS	BM	3/4/2025	CLIENT:	BWP / Texas Gas
							PROJECT:	KYMEA
							LOCATION:	Madisonville, KY
							DOC. NO.:	
							PROJECT ENGINEER:	Chris Baca

GENERAL INFORMATION				
Applicable To:	X Proposal	Purchase	As Built	VENDOR shall complete Data Sheet with information not otherwise provided by KYMEA.
For:	KYMEA		Equipment No.'s	
Site:	Meter Station Delivery to KYMEA Facility		No. Required:	1
Description:	Madisonville, KY		Vendor:	TBD
Application:	Meter skid w/ dual 100% runs		Reference Drawing No.	
Point of Procurement:	Custody Transfer		Ship To	
	Rob Leesman, VP of Market Analytics			KYMEA Energy Center I
	rleesman@kymea.org			Attn: Stan Conn
	Kentucky Municipal Energy Agency (KYMEA)			1957 AC Slaton Rd.
	1700 Eastpoint Parkway Ste. 220			Madisonville, KY 42431
	Louisville, KY 40223			

AMBIENT CONDITIONS			
Maximum Ambient Temperature	110 °F	Earthquake Zone	SDC D
Minimum Ambient Temperature	-20 °F	Maximum Wind Velocity	120 mph

PROCESS CONDITIONS			
Minimum Gas Temperature	-4 °F	Meter Type	(2) Ultrasonic
Maximum Gas Temperature	158 °F	Flow Direction	Single Direction
Minimum Gas Pressure	0 PSIG	Maximum Differential Pressure	N/A psid flange to flange
Maximum Gas Pressure	965 PSIG	Design Pressure	965 PSIG
Minimum Gas Flowrate	75 SCFH	Design Flowrate	26949 lbm/hr
Maximum Gas Flowrate	26949 lbm/hr	Gas Specific Gravity	0.6
Maximum Noise at 3ft	85 dB		

EQUIPMENT DATA				
ORIFICE METER				
Plate Diameter	NA	in.	Diff Pressure Connection Location	NA
Plate Thickness	NA	in.	Flow Conditioner	NA
Plate Material	NA		Length of Pipe Upstream	NA
Allowable Beta Ratio Range	NA		Length of Pipe Downstream	NA
RMS Finish	NA		Pipe WT	NA
Pipe Grade	NA		%SMYS at MWP	NA
Required Accuracy	NA		Weather Protection	NA
Equipment Mounting	NA		Type of Orifice Meter	NA

ROTARY METER			
Meter Output	NA	Required Accuracy	NA
Actual Flow Range	NA	%SMYS at MWP	NA
Internal Materials	NA	Paint Coating	NA
Temperature Correction Location	NA	Flange Size and Rating	NA
Pressure Correction Location	NA		

ULTRASONIC METER				
Minimum Allowable Velocity	2	ft/s	Type of Temp/Pressure XMTR	Individual
Maximum Allowable Velocity	80	ft/s	Flow Conditioner	Required
Number of Passes	Multi-path		Length of Pipe Upstream	
Number of Transducer Pairs	2		Length of Pipe Downstream	
Transducer Mounting Method	Direct Insertion		Pipe WT	0.280"
Pipe Grade	ASTM A106 Gr. B Minimum		%SMYS at MWP	19.3
Required Accuracy	0.35%		Weather Protection	Required
Equipment Mounting	Skid		Local Readout	Yes
			Paint Coating	BWP OP-CC-GS-COAT-001

TURBINE METER			
Meter Output	NA	Required Accuracy	NA
Actual Flow Range	NA	%SMYS at MWP	NA
Internal Materials	NA	Paint Coating	NA
Temperature Correction Location	NA	Flange Size and Rating	NA
Pressure Correction Location	NA	Flow Conditioner	NA

ANNUBAR METER			
Meter Output	NA	Required Accuracy	NA
Actual Flow Range	NA	%SMYS at MWP	NA
Internal Materials	NA	Paint Coating	NA
Temperature Correction Location	NA	Flange Size and Rating	NA
Pressure Correction Location	NA	Flow Conditioner	NA
Length of Pipe Upstream	NA	Required Accuracy	NA
Length of Pipe Downstream	NA		

CORIOLIS METER			
Meter Output	NA	Required Accuracy	NA
Actual Flow Range	NA	%SMYS at MWP	NA
Internal Materials	NA	Paint Coating	NA
Temperature Correction Location	NA	Flange Size and Rating	NA
Pressure Correction Location	NA	Flow Conditioner	NA
Length of Pipe Upstream	NA	Required Accuracy	NA
Length of Pipe Downstream	NA	Pipe Grade	NA