

**EXHIBIT Z-1**

**FUEL STUDY**

Equitrans, L.P.  
 Ohio Valley Connector Project  
 Docket No. CP22-\_\_\_-000

## OVCX EXHIBIT Z-1 - INCREMENTAL FUEL & LAUF

<b>Cygrymus CS (new station) - Required Load, 90F</b>				
Equipment	Rated Power	Required Power	Fuel Consumption (MMSCF/D)	Comments
Solar Taurus T70-22402S	9898	8539	1.732	
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Generators	1000 kW	1000	0.282	Permit capacity
Fuel Gas Heater	1 MMBTU/hr	1.54	0.036	Assumed 65% burner efficiency

Total Station Fuel	3.782	MMSCF/D
Total Station LAUF	1.891	MSCF/D

<b>Corona CS - Required Load, 90F</b>				
Equipment	Rated Power	Required Power	Fuel Consumption (MMSCF/D)	Comments
Solar Mars M100-16000S	14428	12873	2.639	new expansion unit
Generators	400 kW	400	0.1148	Permit capacity
Fuel Gas Heater	0.5 MMBTU/hr	0.77	0.018	Assumed 65% burner efficiency

Total Station Fuel	2.7718	MMSCF/D
Total Station LAUF	1.3859	MSCF/D

<b>Plasma CS - Required Load, 90F</b>				
Equipment	Rated Power	Required Power	Fuel Consumption (MMSCF/D)	Comments
Solar Titan 130-23502S	21577	19818	3.359	new expansion unit
Generators	400 kW	400	0.1056	Permit capacity
Fuel Gas Heater	0.5 MMBTU/hr	0.77	0.0165	Assumed 65% burner efficiency

Total Station Fuel	3.4811	MMSCF/D
Total Station LAUF	1.74055	MSCF/D
Grand Total Fuel	10.0349	MMSCF/D
Grand Total LAUF	5.01745	MSCF/D
Grand Total Fuel & LAUF	10039.91745	MSCF/D
Deliveries		0.610 BCF/D
Receipts		620,040 MSCF/D
Fuel & LAUF %		1.62%