

EXHIBIT D:

COST OF OPERATION

Breathitt County Water District
 Waterline Extensions Phase 2
 998-46

10/21/2021

<u>Electrical Rates - AEP (Tariff 215-Medium General Service)</u>		<u>Pump Data</u>		<u>Demand of Customers</u>	
Monthly Basic Fee	\$ 17.50	Average Flow Rate	4.68	Estimated Customers	27
Usage Rate	\$ 0.10198 per KWH for first 200 KWH	Horsepower	25	New - Total Estimate Flow	6,750
Demand Charge	\$ 0.08736 per KWH after first 200 KWH	Efficiency	0.75		gallons/day
		Hours of Operation	0.00		
			hours/day		

Opinion of Probable Cost of Operation

Proposed Operating Conditions									
New Production Cost									
Purchase Price per 1,000 gallons (Purchased from the City of Jackson)									
\$ 3.52									
Total - Proposed Annual Cost of Purchased Water									
\$ 8,672.40									
Operation Costs									
Pumping Costs									
Booster Station Electric Consumption	24,867	KW	0	KWH per Day	0	KWH per year			
Total Project Electric Consumption	24,867	KW	0	KWH per Day	0	KWH per year			
	Monthly Basic Fee (x 12 months)						\$	-	
	Usage Rate (x 12 months)						\$	-	
	Demand Charge (x 12 months)						\$	569.94	
Total - Proposed Annual Pumping Cost									
\$ 569.94									
Total - Proposed Annual Production & Operation Costs									
\$ 9,242.34									