



OFFICE OF THE BREATHITT COUNTY ATTORNEY

BRENDON D. MILLER

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December 1, 2011

Mr. Jeff Derouen
Executive Director
Public Service Commission
P.O. Box 615
Frankfort, Kentucky 40602

RE: Breathitt County Water District
Case No. 2011-00415

Dear Mr. Derouen:

Accompanying this letter, please find attached one (1) paper copy and one (1) electronic copy of the updated exhibits required pursuant to 807 KAR 5.069 for the Application on the above-referenced project. Included are the Final Engineering Report, plans and specifications, and cost of operation opinion for the project as per your request.

If you need any additional information or documentation, please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "Brendon D. Miller".

Brendon D. Miller

RECEIVED

DEC 06 2011

PUBLIC SERVICE
COMMISSION



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Executive Director
Public Service Commission
P.O. Box 615
Frankfort, Kentucky 40602

RE: Breathitt County Water District
Case No. 2011-00415

Dear Mr. Derouen:

Accompanying this letter, please find attached eleven (11) copies of the updated exhibits required pursuant to 807 KAR 5.069 for the Application on the above-referenced project. Included is the Final Engineering Report, plans and specifications, and cost of operation opinion for the project as per your request.

If you need any additional information or documentation, please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "Brendon D. Miller", written over a large, stylized flourish.

Brendon D. Miller



December 5, 2011

Brendon D. Miller, Esq.
Office of Breathitt County Attorney
1149 Main Street
Jackson, Kentucky 41339

RE: Case No. 2011-00415 Breathitt County Water District

Dear Mr. Miller,

Per the PSC letter forwarded to our office dated December 2, 2011, please find enclosed the following items as requested:

- One full size (24" x 36") set of Plans for Contract 1 & Contract 2
- One set of specifications
- One DVD containing an electronic copy of the Plans for Contract 1 & Contract 2 and a set of specification for Contract 1 & Contract 2.
- One original Final Engineering Report (FER) and ten copies of the FER
- One original Opinion of Probable Cost of Operation and ten copies of the Opinion of Probable Cost of Operation.

The letter also requested a copy of the bids be submitted. Please find the certified bid tabulation for each contract located as an attachment to the Final Engineering Report.

If any further information is requested please feel free to contact me at 859.685.4535.

Sincerely,

Matthew R. Curtis, PE
Project Engineer

Cc: Bobby Thorpe, Jr., Chairman (letter only)
Estill McIntosh, Superintendent (letter only)
Bryan Kirby, CEDA (letter only)
Jennifer McIntosh, KRADD (letter only)

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Breathitt County Water District

2011-00415 South Fork Waterline Extension - Phase I
998-27

Electrical Rates - AEP (Tariff 215-Medium General Service)

Monthly Basic Fee	\$ 13.50
Usage Rate	\$ 0.09862 per KWH for first 200 KWH
	\$ 0.08460 per KWH after first 200 KWH
Demand Factor	\$ 1.64 per KWH

New Pump Data

Average Flow Rate	456 gpm
Horsepower	40
Efficiency	75%
Hours of Operation	10.00 hours/day

Existing Pump Data

Average Flow Rate	243 gpm
Horsepower	20
Efficiency	75%
Hours of Operation	3.00 hours/day

Demand of Customers

Estimated Customers	
New - South Fork Area	123 homes
Existing - KY 30 E	115 homes
Total Customers	238 homes
New - Total Estimate Flow	30,750 gallons/day
Existing - Total Estimate Flow	28,750 gallons/day
Total Estimate Flow	59,500 gallons/day

Opinion of Probable Cost of Operation

Existing Operating Conditions

Existing Production Cost

Purchase Price per 1,000 gallons (Purchased from the City of Jackson)	\$ 2.90
Total - Existing Annual Cost of Purchased Water	\$ 30,431.88

Existing Operation Costs

Pumping Costs					
KY 30 East Booster Station Electric Consumption	66	KWH per Day	24,204	KWH per year	
Monthly Basic Fee (\$13.50 x 12 months)				\$ 162.00	
Usage Rate (200 KW x \$0.09862 + ((24,204 KW - 200 KW) x \$0.0846))				\$ 2,050.42	
Demand Charge (61.43 KW x \$1.64 x 12 months)				\$ 1,208.94	
Total - Existing Annual Pumping Cost					\$ 3,421.37
Total - Existing Annual Production, Operation & Maintenance Costs					\$ 33,853.24

Proposed Operating Conditions

New & Existing Production Cost

Purchase Price per 1,000 gallons (Purchased from the City of Jackson)	\$ 2.90
Total - Proposed Annual Cost of Purchased Water	\$ 62,980.75

Operation Costs

Pumping Costs					
KY 30 East Booster Station Electric Consumption	221	KWH per Day	80,679	KWH per year	
Monthly Basic Fee (\$13.50 x 12 months)				\$ 162.00	
Usage Rate (200 KW x \$0.09862 + ((80,679 KW - 200 KW) x \$0.0846))				\$ 7,956.52	
Demand Charge (61.43 KW x \$1.64 x 12 months)				\$ 1,208.94	
Total - Proposed Annual Pumping Cost					\$ 9,327.46
Total - Proposed Annual Production & Operation Costs					\$ 72,308.21
Total - Increase (Decrease) of Annual Production & Operation Costs					\$ 38,454.97

CASE NO: 2011-00415
Breathitt Co Water District

CONTAINS
LARGE OR OVERSIZED
MAP(S)

RECEIVED ON: December 6, 2011

BID ADDENDUM No.1

PROJECT NAME: CONTRACT 1 – KY 1098 SOUTH FORK WATERLINE EXTENSION –
PHASE I
PROJECT LOCATION: BREATHITT COUNTY, KENTUCKY
NEI PROJECT NO.: 998-27
DATE: 11/16/2011

Following are questions and answers, in no particular order.

1. Q. *What is the engineer's opinion of probable construction cost?*
A. No engineer's opinion of probable construction cost will be provided.
2. Q. *Are wage rates applicable to this project?*
A. Yes, both State & Federal Wage Rates apply.
3. Q. *Item #7 lists 2" DR 14 PVC, is this correct?*
A. See attached revised Bid Schedule. Item #7 has been changed to 2" SDR 17 PVC.
4. Q. *Are there any "Buy American" or MBE/DBE requirements or stipulations on this project?*
A. Please see Section 22 of the Contract Documents for direction in regards to the "Buy American" or MBE/DBE requirements for the State Revolving Funds and Section 16, 18 and 21 for "Buy American" clauses.

Additional Information / Design Changes

1. Revised Bid Schedule, a total number of bid items is now 26. **See attached.**
2. Bid date and time unchanged.

- END OF ADDENDUM No.1 -

P:\Breathitt\998-27 S-Fork KY1098\07 bidding\Addendum\Contract 1 - Bid Addendum No.1.docx

Breathitt County Water District					
Bid Schedule - Base Bid					
Contract #1 - KY 1098 South Fork Waterline Extension					
Item No.	Description	Unit	Quantity	Unit Price	Total Cost
1	Tie Into Existing Waterline	LS	1	\$	\$
2	Air Relief Valve & Box	EA	2	\$	\$
3	8" DR 14 PVC Waterline	LF	16,750	\$	\$
4	6" DR 14 PVC Waterline	LF	22,250	\$	\$
5	4" DR 18 PVC Waterline	LF	3,000	\$	\$
6	4" DR 14 PVC Waterline	LF	10,500	\$	\$
7	2" SDR 17 PVC Waterline	LF	1,500	\$	\$
8	8" D.I.M.J. Gate Valve & Box	EA	8	\$	\$
9	6" D.I.M.J. Gate Valve & Box	EA	13	\$	\$
10	4" D.I.M.J. Gate Valve & Box	EA	8	\$	\$
11	Flushing Hydrant Assembly	EA	13	\$	\$
12	Post Hydrant Assembly, Blow off	EA	6	\$	\$
13	Creek Crossing, 10" HDPE Directional Drilled	LF	367	\$	\$
14	Creek Crossing, 8" HDPE Directional Drilled	LF	180	\$	\$
15	Creek Crossing, 6" HDPE Directional Drilled	LF	165	\$	\$
16	Hwy Xing, Bore & Jack w. 14" Steel Casing	LF	66	\$	\$
17	5/8 x 3/4 Indiv. Meters (Radio Read Profiler w/ iprv)	EA	80	\$	\$
18	5/8 x 3/4 Indiv. Meters (Radio Read Profiler w/o iprv)	EA	43	\$	\$
19	3/4" Polyethylene cl 200 service line	LF	9,225	\$	\$
20	1" Polyethylene cl 200 service line	LF	250	\$	\$
21	Leak Detection Assembly, Type A	EA	1	\$	\$
22	Waterline Marker	EA	20	\$	\$
23	KY 30 Booster Station Improvements	LS	1	\$	\$
24	New Telemetry & Telemetry Improvements	LS	1	\$	\$
25	New Telemetry Repeater Station	LS	1	\$	\$
26	Check Valve Assembly Vault	EA	2	\$	\$
Total Base Bid - (items numbered 1 - 26) =				\$	
Total Base Bid (written) =					
				dollars	cents

Note:

No change in material and/or equipment approved prior to bids being received. Materials/equipment shall be bid as specified in specifications and plans. Any claim for price increase due to the contractor bidding a different material/equipment will be denied.