

# Memo

Date: July 24, 2013

To: Mayor and Council members

From: Ricky Dickson, Water Utilities Director

Subject: Agenda Item for August 6, 2013 Council Meeting

Contact: Ricky Dickson, Water Utilities Director, 657-4209

Caption: Discussion and possible action including but not limited to awarding Bid WU-08-13 Hickory Well Field Expansion - Package #1 to Alsay Incorporated of Houston, Texas for constructing 5, 6, or 7 wells (bid amounts ranging from \$6,423,730.00 for 5 wells to \$8,729,000.00 for 7 wells), authorizing staff to negotiate a contract, in substantially the attached form, and authorizing the City Manager to execute said contract and any related documents.

Summary: Bids have been received from (3) contractors for the construction of additional wells for the Hickory Water Supply Project – Well Field Expansion Package #1. The three bidders were Alsay, Inc. of Houston, Texas, Hydro Resources Mid Continent, Inc. of Sunray, Texas and Layne Christensen Company of Houston, Texas.

Low bid for the project was submitted by Alsay, Inc. and the low bid had no exceptions to the specifications. Low bid is as follows:

Base Bid:	\$6,423,730.00	(5 Wells)
A-1 Alternate (Construct Well No. 22):	\$1,147,835.00	
A-2 Alternate (Construct Well No. 16):	<u>\$1,157,435.00</u>	
Total (Base Bid + A-1 + A-2):	\$8,729,000.00	(7 Wells)
Total (Base Bid + A-1):	\$7,571,565.00	(6 Wells)
Total (Base Bid + A-2):	\$7,581,165.00	(6 Wells)

History: The current phase of the Hickory Water Supply project was originally designed to provide 6 MGD with planned increases of 9 MGD in 2026 and 10.7 MGD in 2036. During the August 21, 2012 City Council meeting, staff was directed to increase the well field production capacity by adding a minimum of 5 and up to 7 new wells.

Financial Impact: The project is funded by a loan from the Texas Water Development Board in the amount of \$120,000,000.

Related Vision Item Long term water supply  
(if applicable):

Other Information/ It is recommended the bid be accepted from Alsay, Inc. and the City Manager, Water Utilities Director or City Manager Designee be authorized to negotiate and

Recommendation: execute a contract and related documents.

Attachments: [Bid Tabulation](#), [Award Letter/Alsay](#), and [DRAFT Contract](#)

Presentation: [Attached](#)

Reviewed by Director: Ricky Dickson, Water Utilities Director, July 24, 2013

Approved by Legal: July 8, 2013



**CITY OF SAN ANGELO**

**RFB: WU-08-13/Hickory Water Supply-Well Field Expansion**

**BID OPENING SUMMARY / 7/18/13 2:00 pm (Not Official)**

Line	Description	<u>Alsay Inc.</u> Total Price	<u>Hydro</u> Total Price	<u>Layne Christianson</u> Total Price
1	Base Bid	\$ 6,423,730.00	\$ 10,231,460.00	\$ 10,779,638.00
2	A-1 Alternate	1,147,835.00	1,807,980.00	1,582,729.00
3	A-2 Alternate	1,157,435.00	1,840,280.00	1,614,529.00
		<b>\$ 8,729,000.00</b>	<b>\$ 13,879,720.00</b>	<b>\$ 13,976,896.00</b>

Base Bid + Alternate A-1      7,571,565.00      12,039,440.00      12,362,367.00

Base Bid + Alternate A-2      7,581,165.00      12,071,740.00      12,394,167.00

Bid Bond      Yes      Yes      Yes



**CITY OF SAN ANGELO**  
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**BASE BID**

Line	Description BASE BID ITEMS	Unit	Est. Qty	<u>Alsay Inc.</u>		<u>Hydro</u>		<u>Layne Christianson Co.</u>	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Mobilization to Site	LS	1	\$ 320,000.00	\$ 320,000.00	\$ 510,000.00	\$ 510,000.00	\$ 1,793,000.00	\$ 1,793,000.00
2	Drill Pilot Hole, (5 wells)	LF	15,000	150.00	2,250,000.00	155.00	2,325,000.00	110.00	1,650,000.00
3	Ream pilot hole	LF	1,700	95.00	161,500.00	390.00	663,000.00	380.00	646,000.00
4	Furnish and install 24 inch conductor	LF	1,700	95.00	161,500.00	230.00	391,000.00	190.00	323,000.00
5	Pilot hole geophysical logging suite	EA	5	21,000.00	105,000.00	34,500.00	172,500.00	25,049.00	125,245.00
6	Complete water sampling operation of pilot hole	EA	5	30,000.00	150,000.00	300,000.00	1,500,000.00	370,284.00	1,851,420.00
7	Add'l development pumping during sampling	HR	100	100.00	10,000.00	285.00	28,500.00	408.00	40,800.00
8	Abandonment of pilot hole	LF	2,000	5.00	10,000.00	17.00	34,000.00	18.00	36,000.00
9	Ream pilot hole to a min. 26 inch diameter	LF	6,300	90.00	567,000.00	220.00	1,386,000.00	79.00	497,700.00
10	Ream pilot hole to a min. 14 inch diameter	LF	7,000	90.00	630,000.00	57.00	399,000.00	102.00	714,000.00
11	Furnish and install 14 inch diameter casing	LF	6,300	90.00	567,000.00	96.00	604,800.00	133.00	837,900.00
12	Furnish and install 9 5/8 diameter casing	LF	7,000	90.00	630,000.00	81.00	567,000.00	62.00	434,000.00
13	Well development, step tests, discharge, recovery	EA	5	35,000.00	175,000.00	118,480.00	592,400.00	117,102.00	585,510.00
14	Additional hours of pumping for pumping test	HR	100	75.00	7,500.00	380.00	38,000.00	397.00	39,700.00
15	Water quality sampling and analysis	EA	5	4,500.00	22,500.00	2,700.00	13,500.00	23,591.00	117,955.00
16	Water well disinfection	EA	5	3,000.00	15,000.00	14,500.00	72,500.00	3,359.00	16,795.00
17	Final water well color video log	EA	5	3,000.00	15,000.00	3,800.00	19,000.00	3,690.00	18,450.00
18	Furnish and install livestock fence and gates	FL	4,500	6.40	28,800.00	11.00	49,500.00	7.00	31,500.00
19	Furnish and install filter fabric fence	FL	4,500	3.35	15,075.00	5.00	22,500.00	6.00	27,000.00
20	Furnish and install pitless adapter	EA	5	20,000.00	100,000.00	38,500.00	192,500.00	27,467.00	137,335.00
21	Allowance for misc. additional related work	LS	1	250,000.00	250,000.00	250,000.00	250,000.00	250,000.00	250,000.00
22	Spectralog, in a pilot hole	EA	5	1,500.00	7,500.00	9,000.00	45,000.00	4,821.00	24,105.00
23	25-sack cement plug in a pilot hole	EA	3	5,000.00	15,000.00	14,500.00	43,500.00	6,157.00	18,471.00
24	Extra sacks of cement more than the base amount of 25 sacks	EA	10	150.00	1,500.00	26.00	260.00	9,190.00	91,900.00
25	Temp. reliable all-weather access to sites	LS	1	208,855.00	208,855.00	312,000.00	312,000.00	471,852.00	471,852.00
				<b>Total</b>	<b>\$ 6,423,730.00</b>	<b>Total</b>	<b>\$ 10,231,460.00</b>	<b>Total</b>	<b>\$ 10,779,638.00</b>



**CITY OF SAN ANGELO**

**RFB: WU-08-13/Hickory Water Supply-Well Field Expansion**

**ALTERNATE A-1**

Line	Description A-1 ALTERNATE BID ITEMS	Unit	Est. Qty	<u>Alsay Inc.</u>		<u>Hydro</u>		<u>Layne Christianson</u>	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
a	Drill Pilot hold #22	LF	2,900	\$ 150.00	\$ 435,000.00	\$ 155.00	\$ 449,500.00	\$ 113.00	\$ 327,700.00
b	Ream pilot hole #22/30 inch	LF	320	100.00	32,000.00	390.00	124,800.00	232.00	74,240.00
c	Furnish & install #22/24 inch	LF	320	100.00	32,000.00	230.00	73,600.00	302.00	96,640.00
d	Pilot hole geophysical logging	EA	1	25,000.00	25,000.00	34,500.00	34,500.00	19,448.00	19,448.00
e	Complete water sampling	EA	1	30,000.00	30,000.00	300,000.00	300,000.00	285,109.00	285,109.00
f	Abandonment of pilot hole	EA	1	2,000.00	2,000.00	47,000.00	47,000.00	21,975.00	21,975.00
g	Ream pilot hole #22/26 inch	LF	1,300	100.00	130,000.00	220.00	286,000.00	114.00	148,200.00
h	Ream pilot hole #22/14 inch	LF	1,300	100.00	130,000.00	57.00	74,100.00	106.00	137,800.00
i	Furnish & install #22/14 inch	LF	1,300	100.00	130,000.00	96.00	124,800.00	131.00	170,300.00
j	Furnish & install #22/9 5/8	LF	1,300	100.00	130,000.00	81.00	105,300.00	99.00	128,700.00
k	Well development, step tests	EA	1	35,000.00	35,000.00	118,480.00	118,480.00	120,631.00	120,631.00
l	Water quality sampling & analysis	EA	1	4,400.00	4,400.00	2,700.00	2,700.00	12,437.00	12,437.00
m	Water well disinfection	EA	1	3,000.00	3,000.00	14,500.00	14,500.00	3,283.00	3,283.00
n	Final water well color video	EA	1	3,000.00	3,000.00	3,800.00	3,800.00	3,690.00	3,690.00
o	Furnish & install livestock fence	LF	650	6.40	4,160.00	11.00	7,150.00	9.00	5,850.00
p	Furnish & install filter fabric fence	LF	650	3.50	2,275.00	5.00	3,250.00	6.00	3,900.00
q	Furnish & install pitless adapter	EA	1	20,000.00	20,000.00	38,500.00	38,500.00	22,826.00	22,826.00
				<b>Total</b>	<b>\$ 1,147,835.00</b>	<b>Total</b>	<b>\$ 1,807,980.00</b>	<b>Total</b>	<b>\$ 1,582,729.00</b>



**CITY OF SAN ANGELO**

**RFB: WU-08-13/Hickory Water Supply-Well Field Expansion**

**ALTERNATE A-2**

Line	Description	Unit	Est. Qty	Alsay Inc.		Hydro		Layne Christianson	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
a	Drill Pilot hold #16	LF	3,000	\$ 150.00	\$ 450,000.00	\$ 155.00	\$ 465,000.00	\$ 113.00	\$ 339,000.00
b	Ream pilot hole #16/30 inch	LF	320	90.00	28,800.00	390.00	124,800.00	232.00	74,240.00
c	Furnish & install #16/24 inch	LF	320	90.00	28,800.00	230.00	73,600.00	302.00	96,640.00
d	Pilot hole geophysical logging	EA	1	20,000.00	20,000.00	34,500.00	34,500.00	19,448.00	19,448.00
e	Complete water sampling	EA	1	30,000.00	30,000.00	300,000.00	300,000.00	285,109.00	285,109.00
f	Abandonment of pilot hole	EA	1	2,000.00	2,000.00	50,000.00	50,000.00	21,975.00	21,975.00
g	Ream pilot hole #16/26 inch	LF	1,300	100.00	130,000.00	220.00	286,000.00	114.00	148,200.00
h	Ream pilot hole #16/14 inch	LF	1,400	95.00	133,000.00	57.00	79,800.00	106.00	148,400.00
i	Furnish & install #16/14 inch	LF	1,300	100.00	130,000.00	96.00	124,800.00	131.00	170,300.00
j	Furnish & install #16/9 5/8	LF	1,400	95.00	133,000.00	81.00	113,400.00	99.00	138,600.00
k	Well development, step tests	EA	1	35,000.00	35,000.00	118,480.00	118,480.00	120,631.00	120,631.00
l	Water quality sampling & analysis	EA	1	4,400.00	4,400.00	2,700.00	2,700.00	12,437.00	12,437.00
m	Water well disinfection	EA	1	3,000.00	3,000.00	14,500.00	14,500.00	3,283.00	3,283.00
n	Final water well color video log	EA	1	3,000.00	3,000.00	3,800.00	3,800.00	3,690.00	3,690.00
o	Furnish & install livestock fence	LF	650	6.40	4,160.00	11.00	7,150.00	9.00	5,850.00
p	Furnish & install filter fabric fence	LF	650	3.50	2,275.00	5.00	3,250.00	6.00	3,900.00
q	Furnish & install pitless adapter	EA	1	20,000.00	20,000.00	38,500.00	38,500.00	22,826.00	22,826.00
				<b>Total</b>	<b>\$ 1,157,435.00</b>	<b>Total</b>	<b>\$ 1,840,280.00</b>	<b>Total</b>	<b>\$ 1,614,529.00</b>
<b>Bid Bond</b>				Yes		Yes		Yes	