

FUNCTION: DOCID: PV PDA 12000000419 02/13/12 12:52:54 PM
 STATUS: PEND3 BATID: ORG:
 H- PAYMENT VOUCHER INPUT FORM

PV DATE: 01 11 12 ACCOUNTING PRD: 08 12 BUDGET FY: 12
 ACTION: E PV TYPE: 1 SCH PAY DATE:

OFF LIAB ACCT: FA IND: DOCUMENT TOTAL: 9,485.00
 CALC DOC TOTAL: 9,485.00
 VENDOR CODE: 481298144 CHECK CATEGORY: P D SINGLE CHECK FLAG: Y
 VENDOR NAME: LOWER ARKANSAS VALLEY WATR CNSRVNCY
 DBA:
 ADDRESS: 801 SWINK AVENUE
 CITY: ROCKY FORD ST: CO ZIP: 81067
 ACCOUNT NUMBER:
 SELLER: FUND: AGENCY: ORG:
 SUB-ORG: APPR CODE: PROGRAM:
 FUNCTION: OBJECT: SUB-OBJ:
 REV SRC: SUB-REV: BS ACCT:
 GBL: RPTG CAT: JOB NO:

OFF REC ACCT:
 H--*S403-READY FOR APPROVAL 3

FUNCTION: DOCID: PV PDA 12000000419 02/13/12 12:53:01 PM
 STATUS: PEND3 BATID: ORG: 001-001 OF 001

LN	REFERENCE	COM	VENDOR	INV	SUB APPR
NO	CD	AGY	NUMBER	LN	LN
FUNC		OBJ/SUB	REV SRC	SUB-REV	BS ACCT
GTL		RPTG	JOB/PROJ	DISC	RET TYP
DESCRIPTION		QUANTITY	I/D	AMOUNT	I/D P/F FEE CD
RET %	RET AMOUNT	EFT IND	APPL TYPE		
01- 01	PO PDA C150490	01	01/11/12	424 PDA ARKA	H2O WTRC
	5180			WSRA	
	SUPER DITCH DELIVERY ENG		0.000	9,485.00	
		N			

02-

PDA

D. Vigil 2/13/12

Colorado Water Conservation Board
Project Expenditure Schedule

Project Name: Super Ditch Delivery Engineering

Applicant: **Lower Arkansas Valley Water Conservancy District**
 Address: 801 Swink Avenue
 Rocky Ford, CO 81067
 Contact: Jay Winner
 Phone: (719) 254-5115
 E-mail: jwinner@centurytel.net

Grant Contract/PO No.: C150490
 Authorization: \$ 225,837.00
 Tax ID No.:

Project Expiration: 12/31/2012

Invoice	Invoice Date	Description of Work	Amount Invoiced	Amount Approved	Total Billed to Date	Percent Complete	Funds Remaining
1	1/11/12	Tasks 1.2 & 1.3	\$9,485.00	\$94,858.00	\$9,485.00	4.20%	\$ 216,352.00

Serving Bent, Crowley, Otero, Prowers and Pueblo counties
Lower Arkansas Valley WATER CONSERVANCY DISTRICT

RECEIVED

JAN 13 2012

**Colorado Water
Conservation Board**

January 11, 2012 ✓

Todd Doherty
Colorado Water Conservation Board
Department of Natural Resources
1313 Sherman Street
Denver, CO 80203

RE: CWCB Contract # 150490 ✓

Dear Mr. Doherty,

Enclosed please find a Project Expenditure Schedule for the above-mentioned grant. Copies of the related invoices are enclosed. The total of the amount requested on the grant is \$9,485.00. ✓

If you have any questions or need any additional information, please call me at 719/254-5155. Thank you for your assistance.

Sincerely,

Brenda Fillmore
Brenda Fillmore
Finance / Water, LAVWCD

Approved to Pay
\$9,485.00
Todd Doherty
2/7/12

Colorado Water Conservation Board

Project Expenditure Schedule

Project Name - Super Ditch Deliver Engineering Project

Applicant	Lower Arkansas Valley Water Conservancy District	Grant Contract/PO No.:	C150490
Address:	801 Swink Avenue Rocky Ford CO 81067	Authorization:	\$225,837.00
Contact:	Jay Winner, General Manager	Conditions:	
Telephone:	719/254-5115	Tax I.D. No.:	48-1298144
Fax:	719/254-5150	EFT	No
E-mail:	jwinner@centurytel.net	Substantial Completion Date:	12/31/2012

Invoice	Invoice Date	Description of Work	Amount Invoiced	Amount Approved	Total Billed to Date	Percent Complete	Funds Remaining
Payment Request No. 1	1/11/12	Tasks 1.2 & 1.3 - Investigation of system demands and operations and river administration	\$9,485.00	\$9,485.00	\$9,485.00	4.20%	\$216,352.00



Adaptive Resources, Inc.

Adaptive Resources, Inc.
615 AURORA ST
FORT MORGAN, CO 80701-2813

(970)590-0464
heath@adaptiveresourcesinc.com

Invoice

Date	Invoice #
12/25/2011	1037
Terms	Due Date
Net 60	02/23/2012

Bill To

Super Ditch Delivery Engineering Grant
810 Swink Avenue
Rocky Ford, CO 81067

Amount Due	Enclosed
\$9,485.00	

> Please detach top portion and return with your payment. <

Date	Activity	Quantity	Rate	Amount
12/09/2011	Week starting 12/05/2011 Meeting with Rick about Project start	2:00	140.00	280.00
	Week starting 12/12/2011			
12/14/2011	Work with Rick Parsons on Analysis background and model outline	1:00	140.00	140.00
12/14/2011	Check in with Rick about Project Status and updates	1:00	140.00	140.00
12/15/2011	Work with Rick Parsons on Analysis background and model outline	1:30	140.00	210.00
12/16/2011	Check in with Rick about Project Status and updates	0:30	140.00	70.00
	Week starting 12/19/2011			
12/21/2011	Check with Rick about Project status and review model components	0:30	140.00	70.00
12/23/2011	Services from December 5, 2011 through December 22, 2011			8,575.00
Total				\$9,485.00

I really appreciate your business.



December 23, 2011

Adaptive Resources, Inc.
Heath Kuntz (via e-mail heath@adaptiveresourcesinc.com)
615 Aurora Street
Fort Morgan, CO 80701

RE: Super Ditch Delivery Engineering - Invoice No. 1

Below is an invoice for professional services of ParsonsWater Consulting LLC related to the investigation of system demands and operations, river administration, and opportunities for future system operations in the Lower Arkansas Valley. The time period covered by this invoice is December 5, 2011 through December 22, 2011. Primary activities follow the invoice.

INVOICE 1
Super Ditch Delivery Engineering

Person	Hours	Rate	Total
R. Parsons	61.25	140	\$ 8,575.00
TOTAL AMOUNT NOW DUE			\$ 8,575.00

Budget Status

Monthly Billing	Total Billing
\$ 8,575	\$ 8,575

Primary Activities

- Ongoing communication with Heath Kuntz.
- Research ditches and reservoirs within Lower Arkansas Valley, including information from Colorado Division of Water Resources (DWR) imaged documents (e.g., Consent Maps, Diversion Records, Map and Filing Statements, Straight Line Diagrams, Division 2 Water Court applications, decrees, and associated documents, including Case No. 10CW04 application, expert engineering report, and rebuttal report), Colorado Water Conservation Board (CWCB) imaged documents (e.g., Arkansas DSS Feasibility Study Draft Report, CWCB Water Project Loan Contract Documents, including Feasibility Studies and Project Completion Letters), USGS documents and data (e.g., Water Resources Investigation Reports and historical streamflow data), DWR HydroBase database (e.g., Structures Summaries, Water Rights – direct flow, storage, exchange, and instream flows, Irrigated acreage and crop mixes under ditch systems over time, Historical diversions, Historical storage contents, and Historical river calls), and U.S. Supreme Court (Fifth and Final Report - Volume II - Appendix C.1 H-I Model Documentation).
- Retrieve, download, print out, and review various documents and data from aforementioned sources.
- Develop preliminary input files for StateMod model based on information gathered and reviewed above. These efforts fall primarily under the following sub-tasks in the Super Ditch Delivery Engineering Statement of Work although the review and analysis also benefits other tasks identified in the Statement of Work:
 - Task 1.2 Reservoir Operations: Model Construction

- Task 1.3 Reservoir Operations: Data
- The input files worked on include:
 - River network (*.net) representing water uses within the Lower Arkansas Valley, generally between Pueblo Reservoir and John Martin Reservoir, including model nodes representing stream gages (main stem and tributary), diversion structures, reservoir structures, instream flow structures, and augmentation stations.
 - Historical streamflows (*.rih) for 11 stream gage nodes included in the model network.
 - Diversion structures (*.dds), water rights (*.ddr), and historical diversions (*.ddh) for 14 diversion nodes included in the model network.
 - Reservoir structures (*.res), water rights (*.rer), and historical end-of-month storage contents (*.eom) for 11 reservoir nodes included in the model network.
 - Instream flow structure (*.ifs), water rights (*.ifr), and demands (*.ifa) for one instream flow node included in the model network (i.e., Pueblo RICD).

Comments/Concerns/Schedules

Review of various documents and data has resulted in a number of questions related to which nodes should be included in the model, if and how these nodes should be represented, what data are missing, and other questions related to historical, current, and future ditch/reservoir system operations and river administration. The list of questions will be added to and subtracted from continuously during the project.

The various issues form a portion of the basis of the discussions that will occur between Parsons Water Consulting LLC, Adaptive Resources, Inc., the Lower Arkansas Valley Water Conservancy District, and various water users related to the Super Ditch Delivery Engineering work, the water court application in Case No. 10CW04, and the development of a vetted planning model capable of providing reasonable estimates of current and future demands, supplies, and operations subject to river administration practices.

I anticipate meetings among basin participants will begin this coming January. My January schedule is pretty open at this time but contact me as you start putting meetings together to ensure we are both able to attend, as needed.

If you have any questions on the services provided in this invoice, please do not hesitate to call.

Sincerely,



Rick Parsons