Attachment I.1.a.

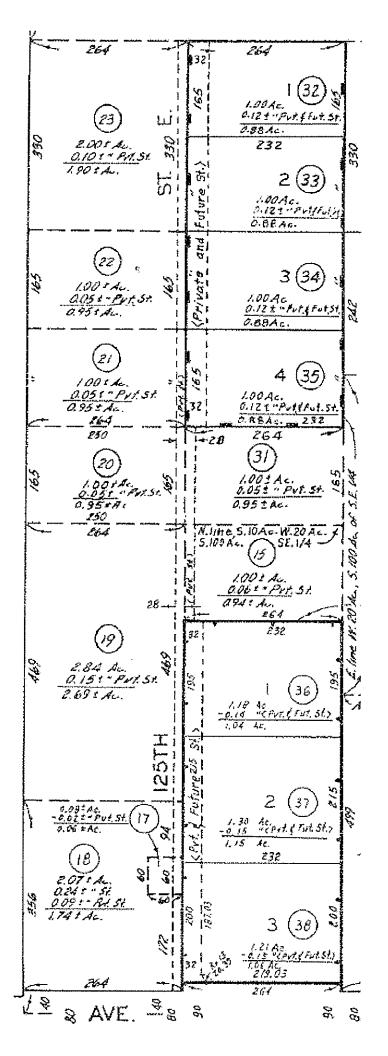
GRESHAM | SAVAGE ATTORNEYS AT LAW 3750 UNIVERSITY AVE. STE. 250 RIVERSIDE, CA 92501-3335 (951) 684-2171

ANTELOPE VALLEY UNITED MUTUAL GROUP'S INFORMATION AND MATERIALS RESPONSIVE TO DECEMBER 12, 2012 DISCOVERY ORDER FOR PHASE 4 TRIAL

A785-000 -- 1028265.1

Baxter Mutual Water Company Assessor's ID Numbers

	Assessor's ID No.	Assessor's Site Address	Property Type
1	3366-008-017	12501 E AVENUE H	Other (Baxter Well)
2	3366-008-018	12501 E AVENUE H	Single Family Residence
3	3366-008-019	46037 125TH ST E	Single Family Residence
4	3366-008-020	46125 125TH ST E	Single Family Residence
5	3366-008-021	46141 125TH ST E	Single Family Residence
6	3366-008-022	46163 125TH ST E	Single Family Residence
7	3366-008-023	46211 125TH ST E	Single Family Residence
8	3366-008-038	46012 125TH ST E	Single Family Residence
9	3366-008-037	46040 125TH ST E	Single Family Residence
10	3366-008-036	46050 125TH ST E	Single Family Residence
11	3366-008-015	46106 125TH ST E	Single Family Residence
12	3366-008-031	46124 125TH ST E	Single Family Residence
13	3366-008-035	46140 125TH ST E	Single Family Residence
14	3366-008-034	46152 125TH ST E	Single Family Residence
15	3366-008-033	46200 125TH ST E	Single Family Residence
16	3366-008-032	0 VAC/125 STE/VIC AVE G8	Vacant Land



Attachment I.3.a.i.

GRESHAM | SAVAGE ATTORNEYS AT LAW 3750 UNIVERSITY AVE. STE. 250 RIVERSIDE, CA 92501-3335 (951) 684-2171

ANTELOPE VALLEY UNITED MUTUAL GROUP'S INFORMATION AND MATERIALS RESPONSIVE TO DECEMBER 12, 2012 DISCOVERY ORDER FOR PHASE 4 TRIAL

February 16, 2012

LARRY GORDON BAXTER MUTUAL WATER COMPANY 46040 125TH ST. EAST LANCASTER, CA 93535

HYDRAULIC TEST RESULTS, Plant: WELL

In accordance with your request, an energy efficiency test was performed on your turbine well pump on February 15, 2012. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)654-7312.

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Pump:	FM	No:	PN2296
Motor:	FM	No:	F115302

Results

Discharge Pressure, PSI	10.5
Standing Water Level, Feet	288.8
Drawdown, Feet	
Discharge Head, Feet	24.3
Pumping Water Level, Feet	
Total Head, Feet	
Capacity, GPM	172
GPM per Foot Drawdown	
Acre Feet Pumped in 24 Hours	.760
kW Input to Motor	20.4
HP Input to Motor	27.4
Motor Load (%)	121.1
Measured Speed of Pump, RPM	1,766
Customer Meter, GPM	163
kWh per Acre Foot	644
Overall Plant Efficiency (%)	

Due to an obstruction in the well, we were unable to obtain a pumping water level; therefore, we were unable to quote the total head or overall efficiency of the pumping plant. The standing level was measured down through the pump column.

February 16, 2012

LARRY GORDON BAXTER MUTUAL WATER COMPANY 46040 125TH ST. EAST LANCASTER, CA 93535

PUMPING COST ANALYSIS, WELL

The following energy efficiency analysis is presented as an aid to your cost accounting. This is an estimate based on the conditions present during the Edison pump test performed on February 15, 2012, billing history for the past 12 months, and your current rate of PA-1.

	<u>Existing</u>
Total kWh	28,920
kW Input	20.4
kWh per Acre Foot	644
Acre Feet per Year	44.9
Average Cost per kWh	\$0.19
Average Cost per Acre Foot	\$121.26
Total Annual Cost	\$5,444.48

It is sincerely hoped that this information will prove helpful to you, and that your concerns over maintaining optimum pumping efficiency will be continued. If you have any questions regarding this report, please contact RICK KOCH at (805)654-7312.

February 16, 2012

LARRY GORDON
BAXTER MUTUAL WATER COMPANY
46040 125TH ST. EAST
LANCASTER, CA 93535

 HYDRAULIC TEST RESULTS, Plant: BOOSTER #1

 Location: 12501 E AVE H
 HP: 15

 Cust #: 0-003-6069
 Serv. Acct. #: 003-6349-21

 Meter: 835-256
 Pump Ref.#: 2974

In accordance with your request, an energy efficiency test was performed on your centrifugal booster pump on February 15, 2012. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)654-7312.

Pump:	GOULD	No:	2114582
Motor:	BALDO	No:	F491

Results

Discharge Pressure, PSI	55.3
Discharge Head, Feet	127.7
Suction Head or Lift, Feet	7.9
Total Head, Feet	119.8
Capacity, GPM	315
Acre Feet Pumped in 24 Hours	1.392
kW Input to Motor	12.1
HP Input to Motor	16.2
Motor Load (%)	92.5
Measured Speed of Pump, RPM	3,513
kWh per Acre Foot	209
Overall Plant Efficiency (%)	58.7

The test was performed at the midpoint of the pump's operating pressure range.

February 16, 2012

LARRY GORDON BAXTER MUTUAL WATER COMPANY 46040 125TH ST. EAST LANCASTER, CA 93535

 PUMPING COST ANALYSIS,
 BOOSTER #1

 Location: 12501 E AVE H
 HP: 15

 Cust #: 0-003-6069
 Serv. Acct. #: 003-6349-21

 Meter: 835-256
 Pump Ref.#: 2974

The following energy efficiency analysis is presented as an aid to your cost accounting. This is an estimate based on the conditions present during the Edison pump test performed on February 15, 2012, billing history for the past 12 months, and your current rate of PA-1.

	Existing
Total kWh	9,384
kW Input	12.1
kWh per Acre Foot	209
Acre Feet per Year	45.0
Average Cost per kWh	\$0.19
Average Cost per Acre Foot	\$39.27
Overall Plant Efficiency (%)	58.7
Total Annual Cost	\$1,766.63

The hydraulic test results indicate that this pump is operating in an efficient manner.

It is sincerely hoped that this information will prove helpful to you, and that your concerns over maintaining optimum pumping efficiency will be continued. If you have any questions regarding this report, please contact RICK KOCH at (805)654-7312.

Baxter Mutual Water Co. Water usage 2000-2004 (Jan 17, 2000 thru Jan 18, 2005)

rate = Main pump rate + pressure pump rate = f

853 KWH/Acre-Ft

Note: first reading was from 1/17/2000

Meter Read Date	KWH Usage	KWH in year	Acre Ft in year
2/16/2000	1,200		
4/14/2000	3,024		
5/15/2000	1,224		
6/15/2000	1,224		
8/15/2000	21,984		
9/14/2000	5,808		
10/16/2000	5,760		
1/17/2001	3,744	43,968	51.55
2/15/2001	1,368		
3/19/2001	1,512		
4/17/2001	1,392		
5/1 6/2001	1,368		
6/14/2001	4,560		
7/16/2001	6,576		
8/14/2001	7,464		
9/14/2001	5,736		
10/16/2001	6,168		
11/15/2001	1,728		
12/14/2001	96		
1/16/2002	1,272	39,240	46.00
2/14/2002	1152		
3/19/2002	888		
4/16/2002	3,648		
5/16/2002	4,944		
6/17/2002	4,800		
7/16/2002	5,952		
8/14/2002	3,720		
9/16/2002	6,096		
10/16/2002	5,784		
11/18/2002	288		
12/16/2002	168		
1/16/2003	3,168	40,608	47.61
2/18/2003	3,384		
3/19/2003	2,040		
4/21/2003	4,008		
5/16/2003	4,008		
6/17/2003	4,800		
7/16/2003	5,952		
8/14/2003	5,952		
9/15/2003	5,976		
10/16/2003	4,752		
11/17/2003	3,240		
12/17/2003	1,128		
1/19/2004	792	46,032	53.96
2/18/2004	720		
3/17/2004	1,320		
4/16/2004	7,488		
5/17/2004	4,968		
6/16/2004	336		
7/16/2004	7,008		
8/16/2004	8,184		
9/15/2004	6,144		
10/18/2004	5,208		
11/16/2004	1,488		
12/16/2004	1,080		
1/18/2005	792	44,736	52.45
Total	214,584	214,584	251.56
Average per Year		42916.8	50.31

Baxter Mutual Water Co. Water usage Dec 1, 2011 through Dec 1, 2012

Meter Reading Dec 1, 2011 286600 gal Meter Reading Dec 1, 2012 13693300 gal

Difference (usage) 13406700 gal = 41.1436 Acre Ft

January, 1988 0/19/88 PA-1 \$103,47 790 \$0.00 \$0.00 \$0.00 0.0 33 Pebruary, 1988 0/18/88 PA-1 \$100,73 700 \$0.00 \$0.00 \$0.00 0.0 30 March, 1988 0/18/88 PA-1 \$143,10 1,230 \$0.00 \$0.00 0.0 29 June, 1988 0/18/88 PA-1 \$264,78 2,760 \$0.00 \$0.00 0.0 29 June, 1988 0/18/88 PA-1 \$264,78 2,760 \$0.00 \$0.00 0.0 31 June, 1988 0/18/88 PA-1 \$383,73 4,270 \$0.00 \$0.00 0.0 31 June, 1988 0/18/88 PA-1 \$483,55 5,390 \$0.00 \$0.00 0.0 31 June, 1988 0/18/88 PA-1 \$483,55 5,390 \$0.00 \$0.00 0.0 31 June, 1988 0/18/88 PA-1 \$483,55 5,390 \$0.00 \$0.00 0.0 30 S0.00 0.0 31 June, 1988 0/18/88 PA-1 \$483,65 5,390 \$0.00 \$0.00 0.0 30 S0.00 0.0 30 S0.0	Billing Mo/Yr	Meter Read Date	Stmt Rate	Bill Amt	KWH Usage	City Tax	State Tax	Maximum KW	Billing Days
February, 1988 02/18/88 PA-1 \$100.73 700 \$0.00 \$0.00 0.0 30 April, 1988 04/18/88 PA-1 \$271.97 2,840 \$0.00 \$0.00 0.0 29 April, 1988 04/18/88 PA-1 \$224.78 2,750 \$0.00 \$0.00 0.0 31 May, 1988 06/17/88 PA-1 \$393.73 4,270 \$0.00 \$0.00 0.0 31 July, 1988 06/17/88 PA-1 \$495.50 5,350 \$0.00 \$0.00 0.0 31 July, 1988 06/17/88 PA-1 \$495.50 5,350 \$0.00 \$0.00 0.0 31 July, 1988 06/16/89 PA-1 \$495.50 5,350 \$0.00 \$0.00 0.0 31 September, 1989 06/16/89 PA-1 \$495.50 5,350 \$0.00 \$0.00 0.0 30 September, 1988 06/16/89 PA-1 \$495.50 5,350 \$0.00 \$0.00 0.0 30 September, 1988 06/16/89 PA-1 \$495.50 5,350 \$0.00 \$0.00 0.0 30 September, 1988 06/16/89 PA-1 \$495.50 5,350 \$0.00 \$0.00 0.0 30 September, 1988 06/16/89 PA-1 \$495.50 5,350 \$0.00 \$0.00 0.0 30 September, 1988 06/16/89 PA-1 \$495.50 5,350 \$0.00 \$0.00 0.0 30 September, 1988 10/17/89 PA-1 \$495.50 5,350 \$0.00 \$0.00 0.0 32 September, 1988 10/17/89 PA-1 \$495.50 5,350 September, 1988 10/17/89 PA-1 \$109.05 September, 1988 10/17/89 PA-1 \$109.05 September, 1988 10/17/89 PA-1 \$109.05 September, 1989 01/18/89 PA-1 \$400.00 September, 1989 01/18/89 PA-1 \$400.00 September, 1989 01/18/89 PA-1 \$400.00 September, 1989 06/16/89 PA-1 \$400.00 September, 1	January, 1988	01/19/88	PA-1	\$103.47					- •
March, 1988 03/18/88 PA-1 \$143,10 1,230 \$0.00 \$0.00 0.0 29 April, 1988 04/18/88 PA-1 \$221,97 2,840 \$0.00 \$0.00 0.0 31 May, 1988 05/17/88 PA-1 \$226,478 2,750 \$0.00 \$0.00 0.0 23 July, 1988 07/18/88 PA-1 \$493,50 5,300 \$0.00 \$0.00 0.0 31 August, 1988 08/17/88 PA-1 \$476,94 5,180 \$0.00 \$0.00 0.0 30 September, 1988 09/15/88 PA-1 \$476,94 5,180 \$0.00 \$0.00 0.0 20 29 October, 1988 10/17/88 PA-1 \$499,67 740 \$0.00 \$0.00 0.0 20 29 January, 1989 17/16/88 PA-1 \$199,67 80 \$0.00 \$0.00 0.0 31 February, 1989 03/16/89 PA-1 \$190,05 80 \$0.00 <td>February, 1988</td> <td>02/18/88</td> <td>PA-1</td> <td>\$100.73</td> <td>700</td> <td>\$0.00</td> <td></td> <td></td> <td></td>	February, 1988	02/18/88	PA-1	\$100.73	700	\$0.00			
April, 1988 04/18/88 PA-1 \$2271.97 2,840 \$0.00 \$0.00 0.0 31 May, 1988 05/17/88 PA-1 \$294.78 2,750 \$0.00 \$0.00 0.0 29 Jule, 1988 06/17/88 PA-1 \$393.73 4,270 \$0.00 \$0.00 0.0 31 July, 1988 07/18/88 PA-1 \$493.50 5,380 \$0.00 \$0.00 0.0 30 September, 1988 09/15/88 PA-1 \$493.67 4,740 \$0.00 \$0.00 0.0 30 September, 1988 09/15/88 PA-1 \$493.67 4,740 \$0.00 \$0.00 0.0 29 November, 1988 12/16/88 PA-1 \$200.01 2,420 \$0.00 \$0.00 0.0 31 January, 1989 01/18/89 PA-1 \$109.05 880 \$0.00 \$0.00 0.0 29 Harri, 1989 03/20/89 PA-1 \$208.03 1,790 \$0.00 \$0.00	March, 1988	03/18/88	PA-1	\$143.10	1,230	\$0.00	\$0.00	0.0	
May, 1988	April, 1988	04/18/88	PA-1	\$271.97	2,840	\$0.00	\$0.00		
Julin, 1988	May, 1988	05/17/88	PA-1	\$264.78		\$0.00			
July, 1988	June, 1988	06/17/88	PA-1	\$393.73		\$0.00			
August, 1988 08/17/88 PA-1 \$476,94 5,190 \$0.00 \$0.00 0.0 30 September, 1988 10/17/88 PA-1 \$439.67 4,740 \$0.00 \$0.00 0.0 29 October, 1988 10/17/88 PA-1 \$280.11 2,420 \$0.00 \$0.00 0.0 32 November, 1988 11/17/88 PA-1 \$280.11 2,420 \$0.00 \$0.00 0.0 31 December, 1988 12/16/88 PA-1 \$10.00 \$0.00 \$0.00 0.0 33 January, 1989 02/17/89 PA-1 \$109.05 688 \$0.00 \$0.00 0.0 33 April, 1989 02/17/89 PA-1 \$208.03 1,790 \$0.00 \$0.00 0.0 31 April, 1989 04/18/89 PA-1 \$320.58 3,060 \$0.00 \$0.00 0.0 22 Jule, 1989 06/16/89 PA-1 \$412.74 4,100 \$0.00 \$0.00 0.0	July, 1988	07/18/88	PA-1	\$493.50	5,390	\$0.00	\$0.00	0.0	
September, 1988 09/16/88 PA-1 \$439.67 4,740 \$0.00 \$0.00 0.0 29 October, 1988 10/17/88 PA-1 \$393.13 4,060 \$0.00 \$0.00 0.0 32 November, 1988 12/16/88 PA-1 \$121.67 830 \$0.00 \$0.00 0.0 29 January, 1989 02/17/89 PA-1 \$96.30 530 \$0.00 \$0.00 0.0 33 February, 1989 02/17/89 PA-1 \$96.30 530 \$0.00 \$0.00 0.0 33 February, 1989 04/18/89 PA-1 \$96.30 530 \$0.00 \$0.00 0.0 30 March, 1989 04/18/89 PA-1 \$320.58 3,060 \$0.00 \$0.00 0.0 29 May, 1989 05/16/89 PA-1 \$430.47 4,300 \$0.00 \$0.00 0.0 28 June, 1989 07/19/99 PA-1 \$517.26 5,270 \$0.00 \$0.00 0	August, 1988	08/17/88	PA-1	\$476.94	5,190	\$0.00			
October, 1988 10/17/88 PA-1 \$393.13 4,060 \$0.00 \$0.00 32 November, 1988 11/17/88 PA-1 \$260.11 2,420 \$0.00 \$0.00 0.0 31 December, 1988 12/16/88 PA-1 \$121.67 830 \$0.00 \$0.00 0.0 29 January, 1989 01/18/89 PA-1 \$109.05 680 \$0.00 \$0.00 0.0 33 February, 1989 02/17/89 PA-1 \$96.30 530 \$0.00 \$0.00 0.0 30 March, 1989 03/20/89 PA-1 \$320.58 3,060 \$0.00 \$0.00 0.0 29 May, 1989 05/16/89 PA-1 \$430.47 4,300 \$0.00 \$0.00 0.0 22 Jule, 1989 06/16/89 PA-1 \$412.74 4,100 \$0.00 \$0.00 0.0 31 July, 1989 07/19/89 PA-1 \$517.26 \$0.00 \$0.00 0.0 33 <tr< td=""><td>September, 1988</td><td>09/15/88</td><td>PA-1</td><td>\$439.67</td><td></td><td>\$0.00</td><td></td><td></td><td></td></tr<>	September, 1988	09/15/88	PA-1	\$439.67		\$0.00			
November, 1988	October, 1988	10/17/88	PA-1	\$393.13	4,060	\$0.00			
December, 1988 12/16/88 PA-1 \$121.67 830 \$0.00 \$0.00 0.0 29	November, 1988	11/17/88	PA-1	\$260.11	2,420	\$0.00	\$0.00	0.0	
January, 1989 01/18/89 PA-1 \$109.05 680 \$0.00 \$0.00 0.0 33 Pebruary, 1989 02/17/89 PA-1 \$96.30 53.0 \$0.00 \$0.00 0.0 30 March, 1989 03/20/89 PA-1 \$208.03 1,799 \$0.00 \$0.00 0.0 31 April, 1989 04/18/89 PA-1 \$320.83 3,060 \$0.00 \$0.00 0.0 29 March, 1989 05/16/89 PA-1 \$430.47 4,300 \$0.00 \$0.00 \$0.00 0.0 28 June, 1989 06/16/89 PA-1 \$412.74 4,100 \$0.00 \$0.00 \$0.00 0.0 31 July, 1989 07/18/89 PA-1 \$412.74 4,100 \$0.00 \$0.00 \$0.00 0.0 31 July, 1989 07/18/89 PA-1 \$517.26 5,270 \$0.00 \$0.00 0.0 33 July, 1989 07/18/89 PA-1 \$517.26 5,270 \$0.00 \$0.00 0.0 33 July, 1989 08/16/89 PA-1 \$517.26 5,270 \$0.00 \$0.00 0.0 33 PA-1 \$412.74 4,100 \$0.00 \$0.00 \$0.00 0.0 30 PA-1 \$510.84 5,190 \$0.00 \$0.00 \$0.00 0.0 33 PA-1 \$423.72 4,210 \$0.00 \$0.00 \$0.00 0.0 30 PA-1 \$423.72 4,210 \$0.00 \$0.00 0.0 30 PA-1 \$116/89 PA-1 \$316.15 3,000 \$0.00 \$0.00 \$0.00 0.0 32 PA-1 \$116/89 PA-1 \$151.69 1,150 \$0.00 \$0.00 \$0.00 0.0 32 PA-1 \$111.09 \$700 \$0.00 \$0.00 \$0.00 0.0 32 PA-1 \$111.09 \$700 \$0.00	December, 1988	12/16/88	PA-1	\$1 21.67	830	\$0.00	\$0.00		
February, 1989 02/17/89 PA-1 \$96.30 530 \$0.00 \$0.00 0.0 30 March, 1989 03/20/89 PA-1 \$208.03 1,790 \$0.00 \$0.00 \$0.00 0.0 31 April, 1989 04/18/89 PA-1 \$320.58 3,060 \$0.00 \$0.00 \$0.00 0.0 29 May, 1989 06/16/89 PA-1 \$430.47 4,300 \$0.00 \$0.00 \$0.00 0.0 28 June, 1989 06/16/89 PA-1 \$412.74 4,100 \$0.00 \$0.00 \$0.00 0.0 31 July, 1989 07/19/89 PA-1 \$517.26 5,270 \$0.00 \$0.00 \$0.00 0.0 33 August, 1989 06/16/89 PA-1 \$517.26 5,270 \$0.00 \$0.00 \$0.00 0.0 33 August, 1989 06/16/89 PA-1 \$517.26 5,270 \$0.00 \$0.00 \$0.00 0.0 33 October, 1989 06/16/89 PA-1 \$507.75 6,280 \$0.00 \$0.00 \$0.00 0.0 33 October, 1989 10/18/89 PA-1 \$423.72 4,210 \$0.00 \$0.00 \$0.00 0.0 33 October, 1989 11/16/89 PA-1 \$316.15 3,000 \$0.00 \$0.00 \$0.00 0.0 32 January, 1990 11/18/90 PA-1 \$180.13 1,470 \$0.00 \$0.00 \$0.00 0.0 32 January, 1990 02/16/90 PA-1 \$151.69 1,150 \$0.00 \$0.00 \$0.00 0.0 32 April, 1990 02/16/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 \$0.00 0.0 29 March, 1990 02/16/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 0.0 32 June, 1990 05/16/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 \$0.00 0.0 32 April, 1990 05/16/90 PA-1 \$325.66 3,170 \$0.00 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$439.50 4,470 \$0.00 \$0.00 \$0.00 0.0 33 August, 1990 06/16/90 PA-1 \$439.50 4,470 \$0.00 \$0.00 \$0.00 0.0 33 August, 1990 06/16/90 PA-1 \$439.50 4,470 \$0.00 \$0.00 \$0.00 0.0 33 August, 1990 06/16/90 PA-1 \$438.50 5,580 \$0.00 \$0.00 0.0 33 August, 1990 06/16/91 PA-1 \$354.81 3,270 \$0.00 \$0.00 0.0 33 August, 1990 06/16/91 PA-1 \$354.81 3,370 \$0.00 \$0.00 0.0 33 August, 1990 06/16/91 PA-1 \$354.81 3,370 \$0.00 \$0.00 0.0 33 August, 1990 06/16/91 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 August, 1990 06/16/91 PA-1 \$368.82 5,570 \$0.00 \$0.00 0.0 31 December, 1990 17/17/90 PA-1 \$368.82 6,500 \$33.22 \$0.00 0.0 31 December, 1991 07/19/91 PA-1 \$485.94 3,980 \$21.67 \$0.00 0.0 0.0 31 August, 1991 06/18/91 PA-1 \$485.94 3,980 \$21.67 \$0.00 0.0 0.0 31 August,	January, 1989	01/18/89	PA-1	\$109.05	680	\$0.00	\$0.00	0.0	
March, 1989 03/20/89 PA-1 \$208.03 1,790 \$0.00 \$0.00 0.0 31 April, 1989 04/18/89 PA-1 \$320.58 3,060 \$0.00 \$0.00 0.0 29 May, 1989 05/16/89 PA-1 \$412.74 4,300 \$0.00 \$0.00 0.0 31 Jule, 1989 07/19/89 PA-1 \$517.26 5,270 \$0.00 \$0.00 0.0 33 August, 1989 08/16/89 PA-1 \$517.26 5,270 \$0.00 \$0.00 0.0 33 September, 1989 08/18/89 PA-1 \$607.75 6,280 \$0.00 \$0.00 0.0 33 Cotober, 1989 10/18/89 PA-1 \$316.15 3,000 \$0.00 \$0.00 0.0 32 January, 1980 11/16/89 PA-1 \$180.13 1,470 \$0.00 \$0.00 0.0 32 January, 1990 02/16/90 PA-1 \$115.09 1.0 \$0.00 \$0.00 <t< td=""><td>February, 1989</td><td>02/17/89</td><td>PA-1</td><td>\$96.30</td><td>530</td><td>\$0.00</td><td>\$0.00</td><td>0.0</td><td></td></t<>	February, 1989	02/17/89	PA-1	\$96.30	530	\$0.00	\$0.00	0.0	
April, 1989	March, 1989	03/20/89	PA-1	\$208.03	1,790	\$0.00	\$0.00	0.0	
May, 1988 05/16/89 PA-1 \$430.47 4,300 \$0.00 \$0.00 0.0 28 June, 1989 06/16/89 PA-1 \$517.26 5,270 \$0.00 \$0.00 0.0 33 July, 1989 07/19/89 PA-1 \$517.26 5,270 \$0.00 \$0.00 0.0 33 August, 1989 08/16/89 PA-1 \$510.84 5,190 \$0.00 \$0.00 0.0 28 September, 1989 09/18/89 PA-1 \$510.84 5,190 \$0.00 \$0.00 0.0 33 Cotober, 1989 10/16/89 PA-1 \$423.72 4,210 \$0.00 \$0.00 0.0 33 November, 1989 11/16/89 PA-1 \$316.15 3,000 \$0.00 \$0.00 0.0 30 November, 1989 11/16/89 PA-1 \$316.15 3,000 \$0.00 \$0.00 0.0 30 November, 1989 11/16/89 PA-1 \$316.15 3,000 \$0.00 \$0.00 0.0 32 January, 1990 01/18/89 PA-1 \$151.69 1,150 \$0.00 \$0.00 0.0 32 January, 1990 02/16/90 PA-1 \$111.09 700 \$0.00 \$0.00 0.0 32 March, 1990 03/20/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 0.0 32 Ayril, 1990 03/20/90 PA-1 \$288.05 2,700 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$328.06 3,170 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$328.06 3,170 \$0.00 \$0.00 0.0 29 July, 1990 05/16/90 PA-1 \$358.05 2,700 \$0.00 \$0.00 0.0 32 July, 1990 06/16/90 PA-1 \$358.05 2,700 \$0.00 \$0.00 0.0 32 July, 1990 07/18/90 PA-1 \$358.05 2,700 \$0.00 \$0.00 0.0 32 July, 1990 07/18/90 PA-1 \$358.02 5,410 \$0.00 \$0.00 0.0 33 July, 1990 07/18/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 0.0 33 November, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 November, 1990 11/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 November, 1990 11/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 31 December, 1990 04/18/91 PA-1 \$188.15 1,160 \$8.76 \$0.00 0.0 31 January, 1991 07/18/91 PA-1 \$188.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$184.55 1,160 \$8.76 \$0.00 0.0 32 June, 1991 07/19/91 PA-1 \$184.55 1,160 \$8.76 \$0.00 0.0 32 June, 1991 07/19/91 PA-1 \$184.55 1,160 \$8.76 \$0.00 0.0 32 June, 1991 07/19/91 PA-1 \$698.82 6,500 \$32.20 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$698.82 6,500 \$32.20 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$698.82 6,500 \$32.20 \$0.00 0.0 31 September, 1991 1	April, 1989	04/18/89	PA-1	\$320.58	3,060	\$0.00	\$0.00	0.0	
June, 1989 06/16/89 PA-1 \$412.74 4,100 \$0.00 \$0.00 0.0 31 July, 1989 07/19/89 PA-1 \$517.26 5,270 \$0.00 \$0.00 0.0 0.0 33 August, 1989 08/16/89 PA-1 \$510.84 5,190 \$0.00 \$0.00 0.0 0.0 28 September, 1989 09/18/89 PA-1 \$607.75 6,280 \$0.00 \$0.00 0.0 33 October, 1989 10/16/89 PA-1 \$423.72 4,210 \$0.00 \$0.00 0.0 33 November, 1989 11/16/89 PA-1 \$316.15 3,000 \$0.00 \$0.00 0.0 32 December, 1989 12/18/89 PA-1 \$180.13 1,470 \$0.00 \$0.00 0.0 32 January, 1990 01/16/90 PA-1 \$151.69 1,150 \$0.00 \$0.00 0.0 32 January, 1990 02/16/90 PA-1 \$111.09 700 \$0.00 \$0.00 0.0 32 April, 1990 03/20/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 0.0 32 April, 1990 04/18/90 PA-1 \$326.06 3,170 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$439.50 4,470 \$0.00 \$0.00 0.0 32 June, 1990 05/16/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 0.0 32 August, 1990 08/14/90 PA-1 \$538.02 \$410 \$0.00 \$0.00 0.0 30 July, 1990 07/18/90 PA-1 \$342.634 4,130 \$0.00 \$0.00 0.0 32 August, 1990 09/14/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 August, 1990 09/14/90 PA-1 \$1552.86 5,580 \$0.00 \$0.00 0.0 33 November, 1990 10/17/90 PA-1 \$342.634 4,130 \$0.00 \$0.00 0.0 31 December, 1990 10/17/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 December, 1990 10/17/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 December, 1990 10/17/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 December, 1990 10/18/91 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 December, 1990 10/18/91 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 33 March, 1991 04/18/91 PA-1 \$184.521 860 \$0.00 \$0.00 0.0 33 March, 1991 05/16/91 PA-1 \$184.521 860 \$0.00 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$185.523 860 \$7.38 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$185.524 \$60 \$0.00 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$185.594 3,980 \$21.67 \$0.00 0.0 32 June, 1991 07/19/91 PA-1 \$689.82 \$6500 \$2.992 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 33 December, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 33 December, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 33 December, 1991 10/17/91 PA-1 \$609.18 5,570 \$28	May, 1989	05/16/89	PA-1	\$430.47	4,300	\$0.00	\$0.00	0.0	
August, 1989 08/16/89 PA-1 \$510.84 5,190 \$0.00 \$0.00 0.0 28 September, 1989 09/18/89 PA-1 \$607.75 6,280 \$0.00 \$0.00 0.0 33 October, 1989 10/18/89 PA-1 \$423.72 4,210 \$0.00 \$0.00 0.0 30 November, 1989 11/16/89 PA-1 \$316.15 3,000 \$0.00 \$0.00 0.0 29 December, 1989 12/18/89 PA-1 \$180.13 1,470 \$0.00 \$0.00 0.0 32 January, 1990 01/18/90 PA-1 \$151.69 1,150 \$0.00 \$0.00 0.0 32 January, 1990 02/16/90 PA-1 \$111.09 700 \$0.00 \$0.00 0.0 32 March, 1990 03/20/90 PA-1 \$111.09 700 \$0.00 \$0.00 0.0 32 April, 1990 04/18/90 PA-1 \$285.05 2,700 \$0.00 \$0.00 0.0 32 June, 1990 05/16/90 PA-1 \$326.06 3,170 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$336.06 3,170 \$0.00 \$0.00 0.0 29 June, 1990 06/15/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 0.0 30 July, 1990 07/18/90 PA-1 \$553.802 5,470 \$0.00 \$0.00 0.0 33 August, 1990 08/14/90 PA-1 \$538.02 5,470 \$0.00 \$0.00 0.0 33 August, 1990 08/14/90 PA-1 \$538.02 5,470 \$0.00 \$0.00 0.0 33 August, 1990 09/14/90 PA-1 \$553.802 5,470 \$0.00 \$0.00 0.0 33 August, 1990 09/14/90 PA-1 \$554.31 3,270 \$0.00 \$0.00 0.0 33 August, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 November, 1990 11/17/90 PA-1 \$299.22 2,640 \$0.00 \$0.00 0.0 31 December, 1990 11/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 31 January, 1991 02/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 July, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 July, 1991 06/18/91 PA-1 \$455.94 3,980 \$21.67 \$0.00 0.0 32 July, 1991 06/18/91 PA-1 \$455.94 3,980 \$21.67 \$0.00 0.0 32 July, 1991 07/19/91 PA-1 \$455.94 3,980 \$21.67 \$0.00 0.0 31 September, 1991 07/19/91 PA-1 \$455.94 3,980 \$21.67 \$0.00 0.0 32 July, 1991 07/19/91 PA-1 \$669.35 5,780 \$29.92 \$0.00 0.0 31 September, 1991 07/19/91 PA-1 \$669.35 5,780 \$29.92 \$0.00 0.0 31 September, 1991 07/19/91 PA-1 \$669.35 5,780 \$29.92 \$0.00 0.0 31 September, 1991 07/19/91 PA-1 \$669.35 5,780 \$29.92 \$0.00 0.0 31 September, 1991 07/19/91 PA-1 \$669.35 5,780 \$29.92 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$669.35 5,780 \$29.92 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$669.35 5,780 \$29.92 \$0.00 0.0 31 September, 1991 10/17/91 PA-1 \$669.35 5,78	June, 1989	06/16/89	PA-1	\$412.74	4,100	\$0.00	\$0.00	0.0	
August, 1989 08/16/89 PA-1 \$510.84 5,100 \$0.00 \$0.00 0.0 28 September, 1989 09/18/89 PA-1 \$607.75 6,280 \$0.00 \$0.00 0.0 33 October, 1989 10/18/89 PA-1 \$316.15 3,000 \$0.00 0.0 29 December, 1989 12/18/89 PA-1 \$180.13 1,470 \$0.00 \$0.00 0.0 32 January, 1990 01/18/90 PA-1 \$111.09 700 \$0.00 \$0.00 0.0 32 March, 1990 02/16/90 PA-1 \$111.09 700 \$0.00 \$0.00 0.0 32 March, 1990 03/20/90 PA-1 \$111.09 700 \$0.00 \$0.00 0.0 32 April, 1990 04/18/90 PA-1 \$285.05 2,700 \$0.00 \$0.00 0.0 32 June, 1990 05/16/90 PA-1 \$236.66 3,170 \$0.00 \$0.00 0.0 3	July, 1989	07/19/89	PA-1	\$517.26	5,270	\$0.00	\$0.00	0.0	33
September, 1988 09/18/89 PA-1 \$607.75 6,280 \$0.00 \$0.00 0.0 33 October, 1989 10/18/89 PA-1 \$423.72 4,210 \$0.00 \$0.00 0.0 30 November, 1989 11/18/89 PA-1 \$316.15 3,000 \$0.00 0.0 0.0 29 December, 1989 12/18/89 PA-1 \$180.13 1,470 \$0.00 \$0.00 0.0 32 January, 1990 01/18/90 PA-1 \$161.69 1,150 \$0.00 \$0.00 0.0 32 March, 1990 03/20/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 0.0 32 April, 1990 04/18/90 PA-1 \$285.05 2,700 \$0.00 \$0.00 0.0 32 May, 1990 05/16/90 PA-1 \$429.50 4,470 \$0.00 \$0.00 0.0 28 June, 1990 06/15/90 PA-1 \$439.50 4,470 \$0.00 \$0.00	August, 1989	08/16/89	PA-1	\$510.84	5,190	\$0.00	\$0.00	0.0	
October, 1989 10/18/89 PA-1 \$423.72 4,210 \$0.00 \$0.00 0.0 30 November, 1989 11/16/89 PA-1 \$316.15 3,000 \$0.00 \$0.00 0.0 29 December, 1989 12/18/89 PA-1 \$180.13 1,470 \$0.00 \$0.00 0.0 32 January, 1990 01/18/90 PA-1 \$151.69 1,150 \$0.00 \$0.00 0.0 31 February, 1990 02/16/90 PA-1 \$111.09 700 \$0.00 \$0.00 0.0 29 March, 1990 03/20/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$285.05 2,700 \$0.00 \$0.00 0.0 29 July, 1990 07/18/90 PA-1 \$439.50 4,470 \$0.00 \$0.00 0.0 30 July, 1990 08/14/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 <	September, 1989	09/18/89	PA-1	\$607.75	6,280	\$0.00	\$0.00	0.0	
November, 1989 11/16/89 PA-1 \$316.15 3,000 \$0.00 \$0.00 0.0 29 December, 1989 12/18/89 PA-1 \$180.13 1,470 \$0.00 \$0.00 0.0 32 January, 1990 01/18/90 PA-1 \$151.69 1,150 \$0.00 \$0.00 0.0 31 February, 1990 02/16/90 PA-1 \$111.09 700 \$0.00 \$0.00 0.0 29 March, 1990 03/20/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 0.0 29 March, 1990 04/18/90 PA-1 \$285.05 2,700 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$326.06 3,170 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$439.50 4,470 \$0.00 \$0.00 0.0 28 June, 1990 06/15/90 PA-1 \$439.50 4,470 \$0.00 \$0.00 0.0 30 July, 1990 07/18/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 0.0 30 July, 1990 08/14/90 PA-1 \$538.02 5,410 \$0.00 \$0.00 0.0 33 August, 1990 09/14/90 PA-1 \$538.02 5,410 \$0.00 \$0.00 0.0 27 September, 1990 09/14/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 November, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 November, 1990 11/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 November, 1990 11/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 31 December, 1990 11/17/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 January, 1991 01/18/91 PA-1 \$145.21 860 \$0.00 \$0.00 0.0 31 January, 1991 01/18/91 PA-1 \$145.21 860 \$0.00 \$0.00 0.0 31 March, 1991 03/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 33 March, 1991 04/18/91 PA-1 \$145.52 860 \$7.38 \$0.00 0.0 29 July, 1991 05/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 July, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 July, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$69.82 6,500 \$33.22 \$0.00 0.0 31 August, 1991 06/18/91 PA-1 \$69.82 6,500 \$33.22 \$0.00 0.0 31 November, 1991 07/19/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 31 November, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 33 December, 1991 11/19/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 33 December, 1991 11/19/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 33 December, 1991 11/19/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 32	October, 1989	10/18/89	PA-1	\$423.72	4,210	\$0.00	\$0.00	0.0	
December, 1989 12/18/89 PA-1 \$180.13 1,470 \$0.00 \$0.00 0.0 32	November, 1989	11/16/89	PA-1	\$316.15	3,000	\$0.00	\$0.00		
January, 1990 01/18/90 PA-1 \$151.69 1,150 \$0.00 \$0.00 0.0 31 February, 1990 02/16/90 PA-1 \$111.09 700 \$0.00 \$0.00 0.0 29 March, 1990 03/20/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 0.0 32 April, 1990 04/18/90 PA-1 \$285.05 2,700 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$326.06 3,170 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$326.06 3,170 \$0.00 \$0.00 0.0 29 June, 1990 06/15/90 PA-1 \$439.50 4,470 \$0.00 \$0.00 0.0 30 July, 1990 07/18/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 0.0 33 August, 1990 08/14/90 PA-1 \$538.02 5,410 \$0.00 \$0.00 0.0 27 September, 1990 09/14/90 PA-1 \$426.34 4,130 \$0.00 \$0.00 0.0 31 October, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 31 October, 1990 11/17/90 PA-1 \$299.22 2,640 \$0.00 \$0.00 0.0 31 December, 1990 12/18/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 January, 1991 01/18/91 PA-1 \$145.21 860 \$0.00 \$0.00 0.0 31 February, 1991 02/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 33 March, 1991 03/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 April, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 05/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$629.43 5,780 \$29.92 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$657.37 6,070 \$31.25 \$0.00 0.0 32 September, 1991 09/16/91 PA-1 \$669.18 5,570 \$28.96 \$0.00 0.0 33 November, 1991 11/19/91 PA-1 \$690.18 5,570 \$28.96 \$0.00 0.0 33 December, 1991 11/19/91 PA-1 \$690.18 5,570 \$28.96 \$0.00 0.0 33 December, 1991 11/19/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 33 December, 1991 11/19/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 33 December, 1991 11/19/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 33 December, 1991 11/19/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 33	December, 1989	12/18/89	PA-1	\$180.13	1,470	\$0.00	\$0.00	0.0	
March, 1990 03/20/90 PA-1 \$182.96 1,530 \$0.00 \$0.00 0.0 32 April, 1990 04/18/90 PA-1 \$285.05 2,700 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$326.06 3,170 \$0.00 \$0.00 0.0 28 June, 1990 06/15/90 PA-1 \$439.50 4,470 \$0.00 \$0.00 0.0 30 July, 1990 07/18/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 0.0 33 August, 1990 08/14/90 PA-1 \$538.02 5,410 \$0.00 \$0.00 0.0 27 September, 1990 09/14/90 PA-1 \$426.34 4,130 \$0.00 \$0.00 0.0 31 October, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 November, 1990 12/18/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 <t< td=""><td>January, 1990</td><td>01/18/90</td><td>PA-1</td><td>\$151.69</td><td>1,150</td><td>\$0.00</td><td>\$0.00</td><td>0.0</td><td>31</td></t<>	January, 1990	01/18/90	PA-1	\$151.69	1,150	\$0.00	\$0.00	0.0	31
April, 1990 04/18/90 PA-1 \$285.05 2,700 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$326.06 3,170 \$0.00 \$0.00 0.0 28 June, 1990 06/15/90 PA-1 \$439.50 4,470 \$0.00 \$0.00 0.0 30 July, 1990 07/18/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 0.0 33 August, 1990 08/14/90 PA-1 \$538.02 5,410 \$0.00 \$0.00 0.0 31 October, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 31 October, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 November, 1990 11/17/90 PA-1 \$299.22 2,640 \$0.00 \$0.00 0.0 31 December, 1990 12/18/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 January, 1991 01/18/91 PA-1 \$185.21 860 \$0.00 \$0.00 0.0 31 February, 1991 02/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 33 March, 1991 03/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 06/18/91 PA-1 \$185.94 3,980 \$21.67 \$0.00 0.0 29 July, 1991 07/19/91 PA-1 \$629.43 5,780 \$29.92 \$0.00 0.0 31 August, 1991 08/19/91 PA-1 \$669.82 6,500 \$33.22 \$0.00 0.0 31 September, 1991 10/17/91 PA-1 \$669.82 6,500 \$33.22 \$0.00 0.0 31 November, 1991 10/17/91 PA-1 \$657.37 6,070 \$31.25 \$0.00 0.0 32 December, 1991 10/17/91 PA-1 \$659.18 5,570 \$28.96 \$0.00 0.0 32 December, 1991 10/17/91 PA-1 \$659.18 5,570 \$28.96 \$0.00 0.0 32 December, 1991 10/17/91 PA-1 \$659.18 5,570 \$28.96 \$0.00 0.0 32 December, 1991 10/17/91 PA-1 \$659.18 5,570 \$28.96 \$0.00 0.0 32 December, 1991 10/17/91 PA-1 \$659.18 5,570 \$28.96 \$0.00 0.0 32 December, 1991 10/17/91 PA-1 \$659.18 5,570 \$28.96 \$0.00 0.0 32	February, 1990	02/16/90	PA-1	\$111.09	700	\$0.00	\$0.00	0.0	
April, 1990 04/18/90 PA-1 \$285.05 2,700 \$0.00 \$0.00 0.0 29 May, 1990 05/16/90 PA-1 \$326.06 3,170 \$0.00 \$0.00 0.0 28 June, 1990 06/15/90 PA-1 \$439.50 4,470 \$0.00 \$0.00 0.0 30 July, 1990 07/18/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 0.0 33 August, 1990 08/14/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 0.0 27 September, 1990 09/14/90 PA-1 \$426.34 4,130 \$0.00 \$0.00 0.0 31 October, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 31 November, 1990 11/17/90 PA-1 \$299.22 2,640 \$0.00 \$0.00 0.0 31 December, 1990 12/18/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 January, 1991 01/18/91 PA-1 \$145.21 860 \$0.00 \$0.00 0.0 31 February, 1991 02/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 33 March, 1991 03/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 28 April, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 June, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 June, 1991 06/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 June, 1991 06/18/91 PA-1 \$629.43 5,780 \$29.92 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$669.82 6,500 \$33.22 \$0.00 0.0 31 September, 1991 10/17/91 PA-1 \$669.85 6,500 \$33.22 \$0.00 0.0 31 November, 1991 10/17/91 PA-1 \$669.85 6,500 \$33.22 \$0.00 0.0 31 November, 1991 10/17/91 PA-1 \$669.85 6,500 \$33.22 \$0.00 0.0 31 November, 1991 10/17/91 PA-1 \$669.85 6,500 \$33.22 \$0.00 0.0 31 November, 1991 10/17/91 PA-1 \$669.85 6,500 \$33.22 \$0.00 0.0 31 November, 1991 10/17/91 PA-1 \$669.85 5,570 \$28.96 \$0.00 0.0 31 November, 1991 11/19/91 PA-1 \$669.85 5,570 \$28.96 \$0.00 0.0 31 November, 1991 11/19/91 PA-1 \$669.85 5,570 \$28.96 \$0.00 0.0 33 December, 1991 11/19/91 PA-1 \$198.61 1,310 \$9.45 \$0.00 0.0 29	March, 1990	03/20/90	PA-1	\$182.96	1,530	\$0.00	\$0.00	0.0	32
May, 1990 05/16/90 PA-1 \$326.06 3,170 \$0.00 \$0.00 0.0 28 June, 1990 06/15/90 PA-1 \$439.50 4,470 \$0.00 \$0.00 0.0 30 July, 1990 07/18/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 0.0 33 August, 1990 08/14/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 0.0 27 September, 1990 09/14/90 PA-1 \$538.02 5,410 \$0.00 \$0.00 0.0 27 September, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 November, 1990 11/17/90 PA-1 \$299.22 2,640 \$0.00 \$0.00 0.0 31 December, 1990 12/18/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 February, 1991 01/18/91 PA-1 \$184.521 860 \$0.00 \$0.00	April, 1990	04/18/90	PA-1	\$285.05	2,700	\$0.00	\$0.00	0.0	
July, 1990 07/18/90 PA-1 \$552.86 5,580 \$0.00 \$0.00 0.0 33 August, 1990 08/14/90 PA-1 \$538.02 5,410 \$0.00 \$0.00 0.0 27 September, 1990 09/14/90 PA-1 \$426.34 4,130 \$0.00 \$0.00 0.0 31 October, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 November, 1990 11/17/90 PA-1 \$299.22 2,640 \$0.00 \$0.00 0.0 31 December, 1990 12/18/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 January, 1991 01/18/91 PA-1 \$145.21 860 \$0.00 \$0.00 0.0 31 February, 1991 02/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 33 March, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00	May, 1990	05/16/90	PA-1	\$326.06	3,170	\$0.00	\$0.00	0.0	28
August, 1990 08/14/90 PA-1 \$538.02 5,410 \$0.00 \$0.00 0.0 27 September, 1990 09/14/90 PA-1 \$426.34 4,130 \$0.00 \$0.00 0.0 31 October, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 November, 1990 11/17/90 PA-1 \$299.22 2,640 \$0.00 \$0.00 0.0 31 December, 1990 12/18/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 January, 1991 01/18/91 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 February, 1991 02/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 33 March, 1991 03/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 28 April, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$30.44	June, 1990	06/15/90	PA-1	\$439.50	4,470	\$0.00	\$0.00	0.0	30
September, 1990 09/14/90 PA-1 \$426.34 4,130 \$0.00 \$0.00 0.0 31 October, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0.00 0.0 33 November, 1990 11/17/90 PA-1 \$299.22 2,640 \$0.00 \$0.00 0.0 31 December, 1990 12/18/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 January, 1991 01/18/91 PA-1 \$145.21 860 \$0.00 \$0.00 0.0 31 February, 1991 02/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 33 March, 1991 03/20/91 PA-1 \$155.23 860 \$7.38 \$0.00 0.0 28 April, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$309.44 2,460 \$14.71 \$0.00	July, 1990	07/18/90	PA-1	\$552.86	5,580	\$0.00	\$0.00	0.0	33
October, 1990 10/17/90 PA-1 \$354.31 3,270 \$0.00 \$0,00 0.0 33 November, 1990 11/17/90 PA-1 \$299.22 2,640 \$0.00 \$0.00 0.0 31 December, 1990 12/18/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 January, 1991 01/18/91 PA-1 \$145.21 860 \$0.00 \$0.00 0.0 31 February, 1991 02/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 33 March, 1991 03/20/91 PA-1 \$155.23 860 \$7.38 \$0.00 0.0 28 April, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$309.44 2,460 \$14.71 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$455.94 3,980 \$21.67 \$0.00	August, 1990	08/14/90	PA-1	\$538.02	5,410	\$0.00	\$0.00	0.0	27
November, 1990 11/17/90 PA-1 \$299.22 2,640 \$0.00 \$0.00 0.0 31 December, 1990 12/18/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 January, 1991 01/18/91 PA-1 \$145.21 860 \$0.00 \$0.00 0.0 31 February, 1991 02/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 33 March, 1991 03/20/91 PA-1 \$155.23 860 \$7.38 \$0.00 0.0 28 April, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$309.44 2,460 \$14.71 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$455.94 3,980 \$21.67 \$0.00 0.0 29 July, 1991 07/19/91 PA-1 \$629.43 5,780 \$29.92 \$0.00 0.0 31 August, 1991 08/19/91 PA-1 \$698.82 6,500 \$33.22 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$657.37 6,070 \$31.25 \$0.00 0.0 31 November, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 33 December, 1991 11/19/91 PA-1 \$198.61 1,310 \$9.45 \$0.00 0.0 29	September, 1990	09/14/90	PA-1	\$426.34	4,130	\$0.00	\$0.00	0.0	31
December, 1990 12/18/90 PA-1 \$180.87 1,300 \$0.00 \$0.00 0.0 31 January, 1991 01/18/91 PA-1 \$145.21 860 \$0.00 \$0.00 0.0 31 February, 1991 02/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 33 March, 1991 03/20/91 PA-1 \$155.23 860 \$7.38 \$0.00 0.0 28 April, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$309.44 2,460 \$14.71 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$455.94 3,980 \$21.67 \$0.00 0.0 29 July, 1991 07/19/91 PA-1 \$629.43 5,780 \$29.92 \$0.00 0.0	October, 1990	10/17/90	PA-1	\$354.31	3,270	\$0.00	\$0.00	0.0	33
January, 1991 01/18/91 PA-1 \$145.21 860 \$0.00 \$0.00 0.0 31 February, 1991 02/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 33 March, 1991 03/20/91 PA-1 \$155.23 860 \$7.38 \$0.00 0.0 28 April, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$309.44 2,460 \$14.71 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$455.94 3,980 \$21.67 \$0.00 0.0 29 July, 1991 07/19/91 PA-1 \$629.43 5,780 \$29.92 \$0.00 0.0 31 August, 1991 08/19/91 PA-1 \$698.82 6,500 \$33.22 \$0.00 0.0 31 September, 1991 10/17/91 PA-1 \$657.37 6,070 \$31.25 \$0.00 <	November, 1990	11/17/90	PA-1	\$299.22	2,640	\$0.00	\$0.00	0.0	31
February, 1991 02/20/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 33 March, 1991 03/20/91 PA-1 \$155.23 860 \$7.38 \$0.00 0.0 28 April, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$309.44 2,460 \$14.71 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$455.94 3,980 \$21.67 \$0.00 0.0 29 July, 1991 07/19/91 PA-1 \$629.43 5,780 \$29.92 \$0.00 0.0 31 August, 1991 08/19/91 PA-1 \$698.82 6,500 \$33.22 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$657.37 6,070 \$31.25 \$0.00 0.0 28 October, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00	December, 1990	12/18/90	PA-1	\$180.87	1,300	\$0.00	\$0.00	0.0	31
March, 1991 03/20/91 PA-1 \$155.23 860 \$7.38 \$0.00 0.0 28 April, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$309.44 2,460 \$14.71 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$455.94 3,980 \$21.67 \$0.00 0.0 29 July, 1991 07/19/91 PA-1 \$629.43 5,780 \$29.92 \$0.00 0.0 31 August, 1991 08/19/91 PA-1 \$698.82 6,500 \$33.22 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$657.37 6,070 \$31.25 \$0.00 0.0 28 October, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 31 November, 1991 11/19/91 PA-1 \$347.03 2,850 \$16.50 \$0.00	January, 1991	01/18/91	PA-1	\$145.21	860	\$0.00	\$0.00	0.0	31
April, 1991 04/18/91 PA-1 \$184.15 1,160 \$8.76 \$0.00 0.0 29 May, 1991 05/20/91 PA-1 \$309.44 2,460 \$14.71 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$455.94 3,980 \$21.67 \$0.00 0.0 29 July, 1991 07/19/91 PA-1 \$629.43 5,780 \$29.92 \$0.00 0.0 31 August, 1991 08/19/91 PA-1 \$698.82 6,500 \$33.22 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$657.37 6,070 \$31.25 \$0.00 0.0 28 October, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 31 November, 1991 11/19/91 PA-1 \$347.03 2,850 \$16.50 \$0.00 0.0 29 December, 1991 12/18/91 PA-1 \$198.61 1,310 \$9.45 \$0.00 0.0 29	February, 1991	02/20/91	PA-1	\$184.15	1,160	\$8.76	\$0.00	0.0	33
May, 1991 05/20/91 PA-1 \$309.44 2,460 \$14.71 \$0.00 0.0 32 June, 1991 06/18/91 PA-1 \$455.94 3,980 \$21.67 \$0.00 0.0 29 July, 1991 07/19/91 PA-1 \$629.43 5,780 \$29.92 \$0.00 0.0 31 August, 1991 08/19/91 PA-1 \$698.82 6,500 \$33.22 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$657.37 6,070 \$31.25 \$0.00 0.0 28 October, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 31 November, 1991 11/19/91 PA-1 \$347.03 2,850 \$16.50 \$0.00 0.0 29 December, 1991 12/18/91 PA-1 \$198.61 1,310 \$9.45 \$0.00 0.0 29	March, 1991	03/20/91	PA-1	\$155.23	860	\$7.38	\$0.00	0.0	28
June, 1991 06/18/91 PA-1 \$455.94 3,980 \$21.67 \$0.00 0.0 29 July, 1991 07/19/91 PA-1 \$629.43 5,780 \$29.92 \$0.00 0.0 31 August, 1991 08/19/91 PA-1 \$698.82 6,500 \$33.22 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$657.37 6,070 \$31.25 \$0.00 0.0 28 October, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 31 November, 1991 11/19/91 PA-1 \$347.03 2,850 \$16.50 \$0.00 0.0 33 December, 1991 12/18/91 PA-1 \$198.61 1,310 \$9.45 \$0.00 0.0 29	April, 1991	04/18/91		\$184.15	1,160	\$8.76	\$0.00	0.0	29
July, 1991 07/19/91 PA-1 \$629.43 5,780 \$29.92 \$0.00 0.0 31 August, 1991 08/19/91 PA-1 \$698.82 6,500 \$33.22 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$657.37 6,070 \$31.25 \$0.00 0.0 28 October, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 31 November, 1991 11/19/91 PA-1 \$347.03 2,850 \$16.50 \$0.00 0.0 33 December, 1991 12/18/91 PA-1 \$198.61 1,310 \$9.45 \$0.00 0.0 29	May, 1991	05/20/91	PA-1	\$309.44	2,460	\$14.71	\$0.00	0.0	32
August, 1991 08/19/91 PA-1 \$698.82 6,500 \$33.22 \$0.00 0.0 31 September, 1991 09/16/91 PA-1 \$657.37 6,070 \$31.25 \$0.00 0.0 28 October, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 31 November, 1991 11/19/91 PA-1 \$347.03 2,850 \$16.50 \$0.00 0.0 33 December, 1991 12/18/91 PA-1 \$198.61 1,310 \$9.45 \$0.00 0.0 29	June, 1991	06/18/91		\$455.94	3,980	\$21.67	\$0.00	0.0	29
September, 1991 09/16/91 PA-1 \$657.37 6,070 \$31.25 \$0.00 0.0 28 October, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 31 November, 1991 11/19/91 PA-1 \$347.03 2,850 \$16.50 \$0.00 0.0 33 December, 1991 12/18/91 PA-1 \$198.61 1,310 \$9.45 \$0.00 0.0 29	July, 1991	07/19/91	PA-1	\$629.43	5,780	\$29.92	\$0.00	0.0	31
October, 1991 10/17/91 PA-1 \$609.18 5,570 \$28.96 \$0.00 0.0 31 November, 1991 11/19/91 PA-1 \$347.03 2,850 \$16.50 \$0.00 0.0 33 December, 1991 12/18/91 PA-1 \$198.61 1,310 \$9.45 \$0.00 0.0 29	_					\$33.22	\$0.00	0.0	31
November, 1991 11/19/91 PA-1 \$347.03 2,850 \$16.50 \$0.00 0.0 33 December, 1991 12/18/91 PA-1 \$198.61 1,310 \$9.45 \$0.00 0.0 29								0.0	28
December, 1991 12/18/91 PA-1 \$198.61 1,310 \$9.45 \$0.00 0.0 29	•						\$0.00	0.0	31
					2,850	\$16.50	\$0.00	0.0	33
January, 1992 01/20/92 PA-1 \$174.51 1,060 \$8.30 \$0.00 0.0 33				\$198.61	1,310	\$9.45	\$0.00	0.0	29
	January, 1992	01/20/92	PA-1	\$174.51	1,060	\$8.30	\$0.00	0.0	33

February, 1992	02/14/92	PA-1	\$139.16	800	\$6.62	\$0.00	0.0	25
March, 1992	03/17/92	PA-1	\$187.62	1,170	\$8.92	\$0.00	0.0	32
April, 1992	04/15/92	PA-1	\$198.45	1,280	\$9.44	\$0.00	0.0	29
May, 1992	05/13/92	PA-1	\$359.67	2,920	\$17.10	\$0.00	0.0	28
June, 1992	06/11/92	PA-1	\$515.89	4,480	\$24.52	\$0.00	0.0	29
July, 1992	07/15/92	PA-1	\$707.45	6,100	\$33.63	\$0.00	0.0	34
August, 1992	08/13/92	PA-1	\$695.25	6,090	\$33.05	\$0.00	0.0	29
September, 1992	09/14/92	PA-1	\$729.37	6,430	\$34.67	\$0.00	0.0	32
October, 1992	10/15/92	PA-1	\$590,87	5,050	\$28.09	\$0.00	0.0	31
November, 1992	11/16/92	PA-1	\$307.76	2,176	\$14.38	\$0.00	26.6	32
December, 1992	12/15/92	PA-1	\$243.03	1,584	\$11.56	\$0.00	24.5	29
January, 1993	01/20/93	PA-1	\$302.34	1,992	\$14.38	\$0.00	23.3	36
February, 1993	02/16/93	PA-1	\$192.09	984	\$ 9.1 4	\$0.00	22.8	27
March, 1993	03/16/93	PA-1	\$175.21	816	\$8.34	\$0.00	23.0	28
April, 1993	04/14/93	PA-1	\$242.71	1,488	\$11.54	\$0.00	30.2	29
May, 1993	05/12/93	PA-1	\$382.55	2,880	\$18.19	\$0.00	30.2	28
June, 1993	06/14/93	PA-1	\$527.19	4,320	\$25.06	\$0.00	31.2	33
July, 1993	07/14/93	PA-1	\$664.62	5,688	\$31.59	\$0.00	30.7	30
August, 1993	08/16/93	PA-1	\$789.99	6,936	\$37.55	\$0.00	31.2	33
September, 1993	09/14/93	PA-1	\$650.16	5,544	\$30.91	\$0.00	37.2	29
October, 1993	10/13/93	PA-1	\$500.68	4,056	\$23.80	\$0.00	30.5	29
November, 1993	11/10/93	PA-1	\$348.49	2,496	\$16,36	\$0.00	30.5	28
December, 1993	12/14/93	PA-1	\$282.40	1,728	\$13.28	\$0.00	31.0	34
January, 1994	01/14/94	PA-1	\$194.49	1,008	\$9.25	\$0.00	26.6	31
February, 1994	02/14/94	PA-1	\$211.82	1,056	\$10.08	\$0.00	26.2	31
March, 1994	03/15/94	PA-1	\$217.77	1,056	\$10.36	\$0.00	26.4	29
April, 1994	04/13/94	PA-1	\$337.17	2,184	\$15.94	\$0.00	29.8	29
May, 1994	05/16/94	PA-1	\$465.14	3,432	\$22.12	\$0.00	30,7	33
June, 1994	06/15/94	PA-1	\$535.09	4,104	\$25.44	\$0.00	31.2	30
July, 1994	07/18/94	PA-1	\$782.46	6,480	\$37.20	\$0.00	31.2	33
August, 1994	08/15/94	PA-1	\$752.47	6 192	\$35.77	\$0.00	31.2	28
September, 1994	09/14/94	PA-1	\$685.01	5,544	\$32.57	\$0.00	31.2	30
October, 1994	10/12/94	PA-1	\$546.26	4,152	\$25.68	\$0.00	31.0	28
November, 1994	11/14/94	PA-1	\$397.67	2,784	\$18.91	\$0.00	31.0	33
December, 1994	12/13/94	PA-1	\$252.75	1,392	\$12.02	\$0.00	22.6	29
January, 1995	01/13/95	PA-1	\$229,14	1,104	\$10.79	\$0.00	21.8	31
February, 1995	02/15/95	PA-1	\$218.16	936	\$10.28	\$0.00	21.4	33
March, 1995	03/16/95	PA-1	\$243.23	1,200	\$11.57	\$0.00	27.1	29
April, 1995	04/14/95	PA-1	\$277.76	1,536	\$13.21	\$0.00	27.6	29
May, 1995	05/15/95	PA-1	\$354.22	2,280	\$16.85	\$0.00	27.8	31
June, 1995	06/14/95	PA- 1	\$524.39	3,936	\$24.93	\$0.00	30.5	30
July, 1995	07/14/95	PA- 1	\$706.90	5,712	\$33.61	\$0.00	31.4	30
August, 1995	08/14/95	PA-1	\$758.69	6,216	\$36.07	\$0.00	31.4	31
September, 1995	09/13/95	PA-1	\$711.83	5,760	\$33.84	\$0.00	31.2	30
October, 1995	10/13/95	PA-1	\$507.12	3,768	\$24.11	\$0.00	32.6	30
November, 1995	11/14/95	PA-1	\$531.79	4,008	\$25.29	\$0.00	32.6	32
December, 1995	12/13/95	PA-1	\$322.14	1,968	\$15.32	\$0.39	30.2	29
January, 1996	01/16/96	PA-1	\$315.94	1,752	\$15.03	\$0.35	27.1	34
February, 1996	02/14/96	PA-1	\$277.76	1,536	\$13.21	\$0.31	24.5	29
March, 1996	03/14/96	PA-1	\$223.49	1,008	\$10.63	\$0.20	27.8	29
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April, 1996	04/12/96	PA-1	\$349.28	2,232	\$16.61	\$0.45	29.3	29
May, 1996	05/15/96	PA-1	\$499.77	3,768	\$23.76	\$0.75	32.2	33
June, 1996	06/14/96	PA-1	\$393.98	4,176	\$18.72	\$0.84	31.9	30
July, 1996	07/17/96	PA-1	\$760.79	6,576	\$36.17	\$1.32	32.4	33
August, 1996	08/16/96	PA-1	\$758.47	6,552	\$36.06	\$1.31	32.4	30
September, 1996	09/17/96	PA-1	\$719.80	6,384	\$34.22	\$1.28	32.6	32
October, 1996	10/16/96	PA-1	\$510.64	3,984	\$24.28	\$0.80	31.4	29
November, 1996	11/18/96	PA-1	\$348.50	2,304	\$16.57	\$0.46	31.0	33
December, 1996	12/17/96	PA-1	\$237.33	1,152	\$11.29	\$0.23	26.6	29
January, 1997	01/17/97	PA-1	\$209.54	864	\$9.97	\$0.17	23.8	31
February, 1997	02/14/97	PA-1	\$197.96	744	\$9.42	\$0.15	23.8	28
March, 1997	03/17/97	PA-1	\$285.97	1,656	\$13.60	\$0.33	28.8	31
April, 1997	04/16/97	PA-1	\$401.78	2,856	\$19.11	\$0.57	31.7	30
May, 1997	05/14/97	PA-1	\$459.68	3,456	\$21.86	\$0.69	31.4	28
June, 1997	06/13/97	PA-1	\$638.02	5,304	\$30.33	\$1.06	30.2	30
July, 1997	07/16/97	PA-1	\$751.53	6,480	\$35.73	\$1.30	31.7	33
August, 1997	08/13/97	PA-1	\$700.56	5,952	\$33.30	\$1.19	31.9	28
September, 1997	09/15/97	PA-1	\$739.93	6,360	\$35.17	\$1.27	31.7	33
October, 1997	10/15/97	PA-1	\$452.74	3,384	\$21.53	\$0.68	31.7	30
November, 1997	11/14/97	PA-1	\$343.87	2,256	\$16.35	\$0.45	28.6	30
December, 1997	12/16/97	PA-1	\$228.07	1,056	\$10.85	\$0.21	27.6	32
January, 1998	01/16/98	PA-1	\$207.22	840	\$9.86	\$0.17	21.8	31
February, 1998	02/17/98	PA-1	\$197,96	744	\$9.42	\$0.15	24.0	32
May, 1998	05/15/98	PA-1	\$423.20	1,080	\$20.14	\$0.22	28.8	87
June, 1998	06/16/98	PA-1	\$191.01	672	\$9.09	\$0.13	25.0	32
July, 1998	07/17/98	PA-1	\$939.12	8,424	\$44.64	\$1.68	32.2	31
August, 1998	08/14/98	PA-1	\$746.88	6,432	\$35.50	\$1.29	32.6	28
September, 1998	09/15/98	PA-1	\$651.92	5,448	\$30.99	\$1.09	32.4	32
October, 1998	10/15/98	PA-1	\$450.42	3,360	\$21.42	\$0.67	32.9	30
November, 1998	11/17/98	PA-1	\$378.61	2,616	\$18.00	\$0.52	29.5	33
December, 1998	12/17/98	PA-1	\$261.83	1,488	\$12.45	\$0.30	27.8	30
January, 1999	01/18/99	PA-1	\$255.86	1,344	\$12.17	\$0.27	27.8	32
February, 1999	02/22/99	PA-1	\$249.09	1,056	\$11.85	\$0.21	27.8	35
March, 1999	03/23/99	PA-1	\$246.60	1,248	\$11.73	\$0.25	27.8	29
April, 1999	04/16/99	PA-1	\$177.36	792	\$8.44	\$0.16	28.3	24
May, 1999	05/18/99	PA-1	\$406.41	2,904	\$19.33	\$0.58	29.5	32
June, 1999	06/18/99	PA-1	\$258.17	1,368	\$12.28	\$0.27	28.8	31
July, 1999	07/19/99	PA-1	\$221.12	984	\$10.52	\$0.20	28.8	31
September, 1999	09/16/99	PA-1	\$347.71	1,032	\$16.55	\$0.21	32.9	59
October, 1999	10/21/99	PA-1	\$156.45	96	\$7.45	\$0.02	29.8	35
November, 1999	11/17/99	PA-1	\$2,558.10	25,200	\$121.57	\$5.04	28.8	27
December, 1999	12/16/99	PA-1	\$244.28	1,224	\$11.62	\$0.24	28.8	29
January, 2000	01/17/00	PA-1	\$244.28	1,224	\$11.62	\$0.24	28.3	32
February, 2000	02/16/00	PA-1	\$241.96	1,200	\$11.51	\$0.24	28.8	30
April, 2000	04/14/00	PA-1	\$535.73	3,024	\$25.48	\$0.60	29.5	58
May, 2000	05/15/00	PA-1	\$227.45	1,224	\$10.82	\$0.24	29.5	31
June, 2000	06/15/00	PA-1	\$244.28	1,224	\$11.62	\$0.24	0.0	31
August, 2000	08/15/00	PA-1	\$2,378.11	21,984	\$113.03	\$4.40	32.4	61
September, 2000	09/14/00	PA-1	\$686.66	5,808	\$32.64	\$1.16	33.1	30
October, 2000	10/16/00	PA-1	\$682.03	5,760	\$32.42	\$1.15	32.2	32
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January, 2001	01/17/01	PA-1	\$757.91	3,744	\$36.06	\$0.75	32.6	93
February, 2001	02/15/01	PA-1	\$272.54	1,368	\$12.97	\$0.27	32.6	29
March, 2001	03/19/01	PA-1	\$287.95	1,512	\$13.70	\$0.30	32.6	32
April, 2001	04/17/01	PA-1	\$267.60	1,392	\$12.73	\$0.28	32,6	29
May, 2001	05/16/01	PA-1	\$272.54	1,368	\$12.97	\$0.27	32.6	29
June, 2001	06/14/01	PA-1	\$651.79	4,560	\$30.99	\$0.91	32.9	29
July, 2001	07/16/01	PA-1	\$788.01	6,576	\$46.28	\$1.32	34.3	32
August, 2001	08/14/01	PA-1	\$880.62	7,464	\$51.71	\$1.49	32,4	29
September, 2001	09/14/01	PA-1	\$864.92	5,736	\$41.13	\$1.15	8.6	31
October, 2001	10/16/01	PA-1	\$920.55	6,168	\$43.78	\$1.23	42.0	32
November, 2001	11/15/01	PA-1	\$348.72	1,728	\$16.59	\$0.35	35.3	30
December, 2001	12/14/01	PA-1	\$138.53	96	\$6.60	\$0.02	32.6	29
January, 2002	01/16/02	PA-1	\$289.98	1,272	\$13.80	\$0.25	33,1	33
February, 2002	02/14/02	PA-1	\$274.53	1,152	\$13.06	\$0.23	33.1	29
March, 2002	03/19/02	PA-1	\$240.53	888	\$11.45	\$0.18	3.8	33
April, 2002	04/16/02	PA-1	\$589.68	3,648	\$28.05	\$0.73	28.3	28
May, 2002	05/16/02	PA-1	\$762.91	4,944	\$36.28	\$0.99	32.2	30
June, 2002	06/17/02	PA-1	\$744.37	4,800	\$35.40	\$0.96	29.8	32
July, 2002	07/16/02	PA-1	\$892.73	5,952	\$42.45	\$1.19	0.0	29
August, 2002	08/14/02	PA-1	\$605.27	3,720	\$28.79	\$0.74	10.3	29
September, 2002	09/16/02	PA-1	\$911.65	6,096	\$43.35	\$1.22	0.0	33
October, 2002	10/16/02	PA-1	\$871.89	5,784	\$41,46	\$1.16	0.0	30
November, 2002	11/18/02	PA-1	\$163.29	288	\$7.77	\$0.06	32.4	33
December, 2002	12/16/02	PA-1	\$147.82	168	\$7.04	\$0.03	0.0	28
January, 2003	01/16/03	PA-1	\$534.61	3,168	\$25.43	\$0.63	8.2	31
February, 2003	02/18/03	PA-1	\$562.46	3,384	\$26.75	\$0.68	10.3	33
March, 2003	03/19/03	PA-1	\$389.17	2,040	\$18.51	\$0.41	0.0	29
April, 2003	04/21/03	PA-1	\$635.03	4,008	\$30.20	\$0.80	10.3	33
May, 2003	05/16/03	PA-1	\$621.89	4,008	\$29.58	\$0.80	10.3	25
June, 2003	06/17/03	PA-1	\$745.02	4,800	\$35.43	\$0.96	0.0	32
July, 2003	07/16/03	PA-1	\$893.55	5,952	\$42.49	\$1.19	0.0	29
August, 2003	08/14/03	PA-1	\$844.25	5,952	\$40.15	\$1.19	0.0	29
September, 2003	09/15/03	PA-1	\$785.74	5,976	\$37.36	\$1.20	32.9	32
October, 2003	10/16/03	PA-1	\$343.23	4,752	\$16.30	\$0.95	32.9 32.9	
November, 2003	11/17/03	PA-1	\$489.61	3,240	\$23.28	\$0.65		31
December, 2003	12/17/03	PA-1	\$252.47	1,128	\$12.01	\$0.03	32.9	32
January, 2004	01/19/04	PA-1	\$232.47 \$215.11	792	\$10.23	\$0.23 \$0.00	32.4	30
	02/18/04	PA-1	\$207.03				0.0	33
February, 2004				720	\$9,85	\$0.22	32.2	30
March, 2004	03/17/04	PA-1	\$271.29	1,320	\$12.90	\$0.40	0.0	28
April, 2004	04/16/04	PA-1	\$938.29	7,488	\$44.57 \$24.62	\$2.25	79.7	30
May, 2004	05/17/04	PA-1	\$665.44	4,968	\$31.62	\$1.49	32.2	31
June, 2004	06/16/04	PA-1	\$162.67	336	\$7.74	\$0.10	32.6	30
July, 2004	07/16/04	PA-1	\$890.56	7,008	\$42.31	\$2.10	32.9	30
August, 2004	08/16/04	PA-1	\$1,017.79	8,184	\$48.35	\$2.46	32.9	31
September, 2004	09/15/04	PA-1	\$797.37	6,144	\$37.88	\$1.84	32.9	30
October, 2004	10/18/04	PA-1	\$704.18	5,208	\$33.46	\$1.56	32.6	33
November, 2004	11/16/04	PA-1	\$315.72	1,488	\$15.01	\$0.45	24.5	29
December, 2004	12/16/04	PA-1	\$273.08	1,080	\$12.99	\$0.32	27.6	30
January, 2005	01/18/05	PA-1	\$242.35	792	\$11.53	\$0.24	0.0	33
February, 2005	02/16/05	PA-1	\$207.13	456	\$9.86	\$0.00	22.6	29

March, 2005	03/17/05	PA-1	\$257.44	936	\$12.25	\$0.21	25.0	29
April, 2005	04/18/05	PA-1	\$564.14	3,840	\$26.82	\$0.84	0.0	32
May, 2005	05/17/05	PA-1	\$178.70	528	\$8.50	\$0.12	31.7	29
June, 2005	06/16/05	PA-1	\$615.62	4,080	\$29.27	\$0.90	32.2	30
July, 2005	07/18/05	PA-1	\$725.51	4,992	\$34.50	\$1.10	32.4	32
August, 2005	08/16/05	PA-1	\$735.60	5,040	\$34.98	\$1.11	32.4	29
September, 2005	09/15/05	PA-1	\$639.76	4,272	\$30.42	\$0.94	31.7	30
October, 2005	10/18/05	PA-1	\$32.61	3,360	\$25.05	\$0.74	31.0	33
November, 2005	11/17/05	PA-1	\$284.94	1,392	\$13.55	\$0.31	28.8	30
December, 2005	12/17/05	PA-1	\$225.92	912	\$10.75	\$0.20	23.0	30
January, 2006	01/18/06	PA-1	\$242.83	1,008	\$11.55	\$0.22	27.8	32
February, 2006	02/16/06	PA-1	\$232.96	864	\$11.08	\$0.19	27.8	29
March, 2006	03/20/06	PA-1	\$243.93	888	\$11.61	\$0.20	27.1	32
April, 2006	04/18/06	PA-1	\$281.65	1,128	\$13,40	\$0.25	25.2	29
May, 2006	05/17/06	PA-1	\$523.55	2,640	\$24.90	\$0.58	29.5	29
June, 2006	06/16/06	PA-1	\$733.22	3,960	\$34.87	\$0.87	31.4	30
July, 2006	07/18/06	PA-1	\$1,060.55	6,024	\$50.44	\$1.33	31.9	32
August, 2006	08/16/06	PA-1	\$909.53	5,040	\$43.26	\$1.11	31.9	29
September, 2006	09/15/06	PA-1	\$928.13	5,136	\$44.14	\$1.13	31.7	30
October, 2006	10/17/06	PA-1	\$819.78	4,464	\$38,99	\$0.98	31.7	32
November, 2006	11/16/06	PA-1	\$472.32	2,280	\$22.47	\$0.50	31.7	30
December, 2006	12/16/06	PA-1	\$313.93	1,272	\$14.94	\$0.28	31.7	30
January, 2007	01/17/07	PA-1	\$274.52	1,032	\$13.06	\$0.23	27.6	32
February, 2007	02/15/07	PA-1	\$305.74	1,248	\$14.55	\$0.27	26.9	29
March, 2007	03/19/07	PA-1	\$412.06	1,944	\$19.60	\$0.43	31.4	32
April, 2007	04/17/07	PA-1	\$619.32	3,384	\$29.46	\$0.74	31.7	29
May, 2007	05/16/07	PA-1	\$595.93	3,216	\$28.34	\$0.71	31.9	29
June, 2007	06/15/07	PA-1	\$799.15	4,632	\$38.01	\$1.02	31.9	30
July, 2007	07/17/07	PA-1	\$1,142.33	7,056	\$54.32	\$1.55	32.4	32
August, 2007	08/15/07	PA-1	\$1,000.81	6,048	\$47.59	\$1.33	32.6	29
September, 2007	09/14/07	PA-1	\$973.42	5.856	\$46.29	\$1.29	32.4	30
October, 2007	10/16/07	PA-1	\$673.57	3,768	\$32.04	\$0.83	31.9	32
November, 2007	11/15/07	PA-1	\$554,38	2,952	\$26.37	\$0.65	32.2	30
December, 2007	12/17/07	PA-1	\$336.07	1,416	\$15.99	\$0.31	27.4	32
January, 2008	01/17/08	PA-1	\$245.83	792	\$11.70	\$0.17	23.0	31
February, 2008	02/15/08	PA-1	\$235.10	720	\$11.19	\$0.16	24.5	29
March, 2008	03/18/08	PA-1	\$344.12	1,488	\$16.37	\$0.33	28.3	32
April, 2008	04/16/08	PA-1	\$497.15	2,520	\$23.65	\$0.55	31.7	29
May, 2008	05/16/08	PA-1	\$700.58	3,864	\$33.32	\$0.85	31.7	30
June, 2008	06/17/08	PA-1	\$1,008.21	5,976	\$47.95	\$1.31	32.2	32
July, 2008	07/16/08	PA-1	\$1,079.36	6,456	\$51.33	\$1.42	31.9	29
August, 2008	08/14/08	PA-1	\$1,023.32	6,072	\$48.67	\$1.34	32.4	29
September, 2008	09/16/08	PA-1	\$1,124.62	6,792	\$53.48	\$1.49	32.4	33
October, 2008	10/16/08	PA-1	\$772.46	4,368	\$36.74	\$0.96	32.2	30
November, 2008	11/17/08	PA-1	\$608.31	3,216	\$28,93	\$0.71	31.9	32
December, 2008	12/17/08	PA-1	\$406.69	1,824	\$19.35	\$0.40	31.7	30
January, 2009	01/19/09	PA-1	\$287.72	984	\$13.69	\$0.22	28.6	33
February, 2009	02/18/09	PA-1	\$250.22	720	\$11.91	\$0.16	27.8	30
March, 2009	03/18/09	PA-1	\$297.20	1,056	\$13.22	\$0.23	28.1	28
April, 2009	04/20/09	PA-1	\$503.62	2,520	\$21.66	\$0.55	32.2	33
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May, 2009	05/19/09	PA-1	\$611.74	3,120	\$26.31	\$0.69	31.2	29
June, 2009	06/17/09	PA-1	\$754.39	4,152	\$32.45	\$0.91	31.4	29
July, 2009	07/20/09	PA-1	\$1,006.77	6,048	\$43.30	\$1.33	32.4	33
August, 2009	08/18/09	PA-1	\$998.59	6,072	\$42.94	\$1.34	32.4	59
September, 2009	09/17/09	PA-1	\$904.19	5,376	\$38.89	\$1.18	32.2	30
October, 2009	10/19/09	PA-1	\$743.60	4,320	\$31.98	\$0.95	31.4	32
November, 2009	11/18/09	PA-1	\$515.58	2,664	\$22.18	\$0.59	29.3	30
December, 2009	12/17/09	PA-1	\$311.47	1,224	\$13.40	\$0.27	26.2	29
January, 2010	01/19/10	PA-1	\$290.21	1,080	\$12.49	\$0.24	27.8	33
February, 2010	02/17/10	PA-1	\$239.56	720	\$10.31	\$0.16	22.6	59
March, 2010	03/18/10	PA-1	\$268.13	840	\$11.54	\$0.18	27.8	29
April, 2010	04/19/10	PA-1	\$525.19	2,640	\$22.59	\$0.58	28.1	32
May, 2010	05/17/10	PA-1	\$565.66	2,856	\$24.33	\$0.63	31.2	28
June, 2010	06/16/10	PA-1	\$718.20	3,912	\$30.89	\$0.86	31.7	30
July, 2010	07/19/10	PA-1	\$975.49	5,760	\$41.95	\$1.27	31.9	33
August, 2010	08/17/10	PA-1	\$930.68	5,400	\$40.03	\$1.19	31.9	29
September, 2010	09/15/10	PA-1	\$902.40	5,208	\$38.81	\$1.15	32.2	59
October, 2010	10/18/10	PA-1	\$996.36	5,952	\$42.85	\$1.31	31.9	33
November, 2010	11/17/10	PA-1	\$454.12	2,112	\$19.54	\$0.46	28.8	30
December, 2010	12/17/10	PA-1	\$350.43	1,344	\$15.08	\$0.30	28.8	30
January, 2011	01/17/11	PA-1	\$280.41	840	\$12.07	\$0.00	22.6	31
February, 2011	02/15/11	PA-1	\$283.98	864	\$12.22	\$0.25	23.0	29
March, 2011	03/17/11	PA-1	\$301.74	984	\$12.98	\$0.29	28.1	30
April, 2011	04/18/11	PA-1	\$437.13	1,944	\$18.80	\$0.56	28.8	32
May, 2011	05/16/11	PA-1	\$602.88	3,096	\$25.92	\$0.90	28.8	28
June, 2011	06/15/11	PA-1	\$697.62	3,912	\$29.99	\$1.13	31.7	30
July, 2011	07/15/11	PA-1	\$909.67	5,568	\$39.10	\$1.61	32.4	30
August, 2011	08/16/11	PA-1	\$997.23	6,216	\$42.87	\$1.80	32.4	32
September, 2011	09/15/11	PA-1	\$950.32	5,832	\$40.85	\$1.69	32.4	30
October, 2011	10/18/11	PA-1	\$983.33	5,952	\$42.27	\$1.73	31.9	33
November, 2011	11/17/11	PA-1	\$482.54	2,256	\$20.75	\$0.65	28.8	30
December, 2011	12/16/11	PA-1	\$216.92	384	\$9.34	\$0.11	33.4	53

Baxter Mutual Water Co.

Well Water Extraction for Years 2000-2004

by Larry Gorden, Vice President, Baxter Mutual Water Co. February 20, 2012

Well water extraction (water pumped) for the years 2000 through 2004 are required for Antelope Valley Water Adjudication. Baxter has one well.

Baxter water extraction estimate is based on Edison records of power consumed in KWH and pump efficiency test. The pump efficiency test gives us an estimate of pumping rate in KWH/Acre-Ft. The latest Edison pump efficiency test was conducted February 16, 2012. The most recent pump efficiency test prior to that was in 1993.

Two pumps are the only source of electricity usage on the Edison meter: (1) the well turbine pump delivers water from the well to a holding tank, and (2) a pressure pump takes water from the holding tank and pressurizes a pressure tank. The Edison test gives us a rate in KWH/Acre-Ft for each pump. By adding rates of the two pumps we get an overall power rate for water extraction. That water rate will then be applied to the total KWH power usage for the five year period.

Water pumping rates for the pumps are:

Well Pump 644 KWH/Acre-Ft

Pressure Pump 209 KWH/ Acre-Ft

Total 853 KWH/ Acre-Ft

We assume current pump KWH/Acre-Ft rate was the same in 2000-2004. We consider this a good assumption since well pump rate in 1993 was 627 KWH/acre-ft. Prior year pressure pump rates are not available.

From Edison records, 214,584 KWH was used in the period Jan 17, 2000 through January 18, 2006. So we compute water pumped in that period by

Water Pumped =
$$\frac{214.584 \text{ KWH}}{853 \frac{\text{KWH}}{\text{Acre-Ft}}}$$
 = 251.56 Acre-Ft.

Baxter Mutual Water Co. claim for water extraction during the 2000-2004 time period is 252 Acre-Ft.

Lancaster, California Incorporated September 20, 1954

Well Water Extraction for Years 2000-2004

by Larry Gorden, Vice President, Baxter Mutual Water Co. February 23, 2012

Well water extraction (water pumped) for the years 2000 through 2004 are required for Antelope Valley Water Adjudication. Baxter has one well.

Baxter water extraction estimate is based on Edison records of power consumed in KWH and pump efficiency test. The pump efficiency test gives us an estimate of pumping rate in KWH/Acre-Ft. The latest Edison pump efficiency test was conducted February 16, 2012. The most recent pump efficiency test prior to that was in 1993.

Two pumps are the only source of electricity usage on the Edison meter: (1) the well turbine pump delivers water from the well to a holding tank, and (2) a pressure pump takes water from the holding tank and pressurizes a pressure tank. The Edison test gives us a rate in KWH/Acre-Ft for each pump. By adding rates of the two pumps we get an overall power rate for water extraction. That water rate will then be applied to the total KWH power usage for the five year period.

Water pumping rates for the pumps are:

Well Pump 644 KWH/Acre-Ft
Pressure Pump 209 KWH/ Acre-Ft
Total 853 KWH/ Acre-Ft

We assume current pump KWH/Acre-Ft rate was the same in 2000-2004. We consider this a good assumption since well pump rate in 1993 was 627 KWH/acre-ft. Prior year pressure pump rates are not available.

From Edison records, 214,584 KWH was used in the period Jan 17, 2000 through January 18, 2005. So we compute water pumped in that period by

Water Pumped =
$$\frac{214,584 \text{ KWH}}{853 \frac{\text{KWH}}{\text{Acre-Ft}}}$$
 = 251.56 Acre-Ft.

Baxter Mutual Water Co. claim for water extraction during the 2000-2004 time period is 252 Acre-Feet.

Attachments:

- 1. Spreadsheet printout with calculations
- 2. Edison records for meter reads and KWH usage
- 3. Edison report showing kWh per Acre Foot for well pump
- 4. Edison report showing kWh per Acre Foot for pressure pump

Lancaster, California
Incorporated September 20, 1954

Well Water Extraction

by Larry Gorden, Mathematician, Vice President Baxter Mutual Water Co.

<u>larry@baxterwater.com</u>, 661-946-1646

December 14, 2012

Well water extraction (water pumped) for the years 2000 through 2004 plus 2011 and/or 2012 are required for Antelope Valley Water Adjudication. Baxter has one well.

Extraction in Years 2000 Through 2004

Baxter water extraction estimate for 2000 through 2004 is based on Edison records of power consumed in KWH (kilowatt hours) and pump efficiency test. The pump efficiency test gives us an estimate of pumping rate in KWH/Acre-Ft. The latest Edison pump efficiency test was conducted February 16, 2012. The most recent pump efficiency test prior to that was in 1993.

Two pumps are the only source of electricity usage on the Edison meter: (1) the well turbine pump delivers water from the aquifer to a holding tank, and (2) a pressure pump takes water from the holding tank and pressurizes a pressure tank. The Edison test gives us a rate in KWH/Acre-Ft for each pump. By adding rates of the two pumps we get an overall power rate for water extraction. That water rate is then applied to the total KWH power usage for the five year period.

Water pumping rates for the pumps are:

Well Pump 644 KWH/Acre-Ft

Pressure Pump 209 KWH/ Acre-Ft

Total 853 KWH/ Acre-Ft

We assume current pump KWH/Acre-Ft rate was the same in 2000-2004. We consider this a good assumption since well pump rate in 1993 was 627 KWH/acre-ft. Prior year pressure pump rates are not available.

From Edison records, 214,584 KWH was used in the period Jan 17, 2000 through January 18, 2005. So we compute water pumped in that period by

Total Water Pumped =
$$\frac{214.594 \text{ KWH}}{853 \frac{\text{KWH}}{\text{ACPE-Ft}}}$$
 = 251.56 Acre-Ft.

Using the same calculations, yearly Baxter Mutual Water Co. results for water extraction during the 2000-2004 time period is:

2000: 51.55 Acre-Ft 2001: 46.00 Acre-Ft 2002: 47.81 Acre-Ft 2003: 47.61 Acre-Ft 2004: 52.45 Acre-Ft

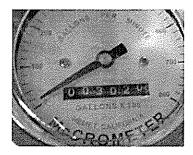
Extraction 2011-2012

Baxter installed a water meter and began recording water usage November 15, 2011. Any water usage estimates prior to that time would need to be computed using Edison power usage records. To get the most accurate one-year usage in the 2011-2012 time period, we elect to use a period in which we have records from the water meter -- December 1, 2011 through December 1, 2012.

Ideally, we would take the difference in flowmenter readings from Dec 1, 2011 and Dec 1, 2012 to get the volume of water pumped in the year. Flowmeter readings were:

Dec 1, 2011: 2886 Dec 1, 2012: 136933

These photos show the flowmeter readings on Dec 2, 2011 (Dec 1, 2011 photo not available) and Dec 1, 2012 respectively.





Flowmeter readings are in hundreds of gallons so we must multiply the difference by 100 to get gallons.

$$(136933 - 2886) \times 100 = 13406700 \text{ gal} = 41.14 \text{ Acre-Ft}.$$

However, we had a problem with the data for July because the flowmeter impeller stuck and the flowmeter stopped incrementing flow volume. That happened sometime between July 1 and July 18 (it was fixed July 19) but we don't know exactly when. So for the month of July we have an error in water production as indicated by the flowmeter. We need to get a good estimate of how much the error is and add it to the 41.14 Acre-Ft production computed above. For the month of July we use electricity usage (in KWH) to estimate water usage and compute the flowmeter error for the month.

Electric meter readings were recorded at the same time as flowmeter readings. That allows us to use other months for computing an average production/power rate in gallons pumped per KWH (gal/KWH). Applying that average to the month of July electricity usage gives us the needed production estimate for the month of July.

```
Average rate = 335.2 gal/KWH

July electricity usage = 6072 KWH

July Water Usage = 6072 KWH x 335.3 gal/KWH = 2035304.4 gal
```

Now we have a good estimate of actual water usage for July, 2035304.4 gal. Next we need to compute the July flowmeter error by subtracting the flowmeter indicated water usage for July from the actual water usage (above).

```
Flowmeter indicated water usage for July = 923600.0 gal July flowmeter error = 2035304.4 - 923600.0 = 1111704.4 gal = 3.41 Acre-Ft.
```

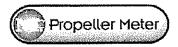
Finally, add the July flowmeter error to the one-year production volume indicated by the flowmeter (41.14 Acre-Ft as computed above).

```
41.14 + 3.41 = 44.55 Acre-Ft. = one-year production for Dec 2011 to Dec 2012.
```

Note, lower one-year usage in 2012 (than 2000-2004) is attributed to vacancies in shareholder properties served by the well. One property was vacant all year and two other properties were vacant for several months. Two properties are currently vacant.

A spreadsheet with readings and calculations is available on request. Photos of flowmeter and Edison power meter during the relevant period are available on request.

This is certified test report for meter accuracy.



CERTIFIED TEST REPORT

CUSTOMER: MCCALLS METER SALES SERVICE

MODEL NO: M0304

METER SERIAL NO: 11-08644

CONFIGURATION

METER INSIDE DIAMETER: 4

METER OUTSIDE DIAMETER: 45

TEST DATE: 10/31/2011

TEST FACILITY: Volumetric

IDEAL TEST CONSTANT: 1961

CALIBRATION DATA

 Tested TC
 GPM
 Accuracy

 1
 1973
 587
 100.6

CERTIFIED BY: Paul Hobbs DATE: 11/2/2011

This calibration was performed on a gravimetric or volumetric test facility, traceable to the National Institute of Standards and Technology, USA. The estimated flow measurement uncertainty of the calibration facilities are:

Gravimetric +/- 0.15% Volumetric +/- 0.5%



HEMET, CA 92545 USA
PHONE (951) 652-6611 / FAX (961) 652-3078
WEB SITE: http://www.mccrometer.com E-MAIL: info@mccrometer.com

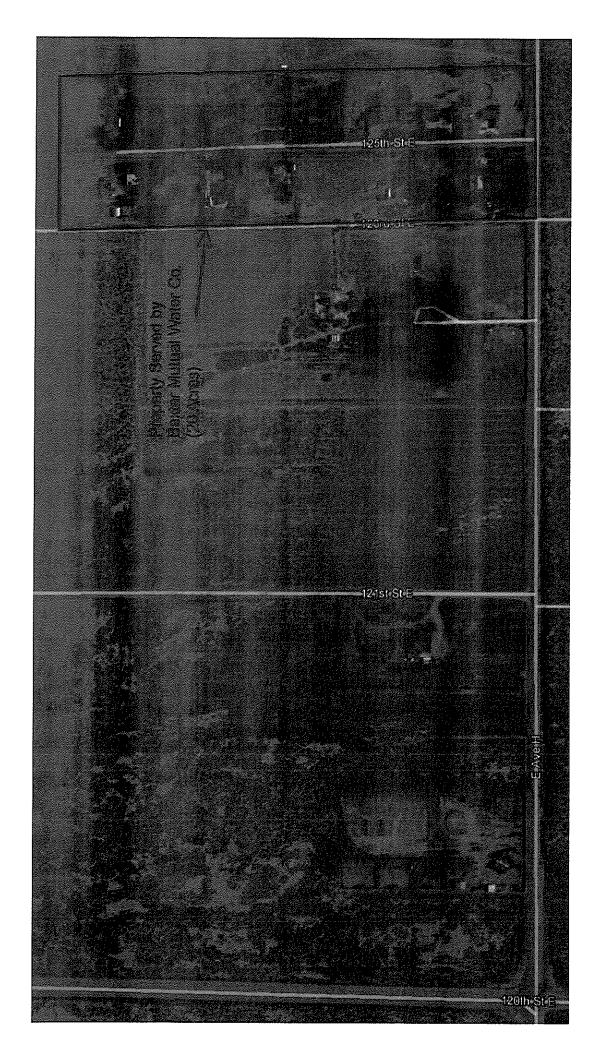


11/2/2011 5:35:50 PM Version 1:2 (4/18/2007)

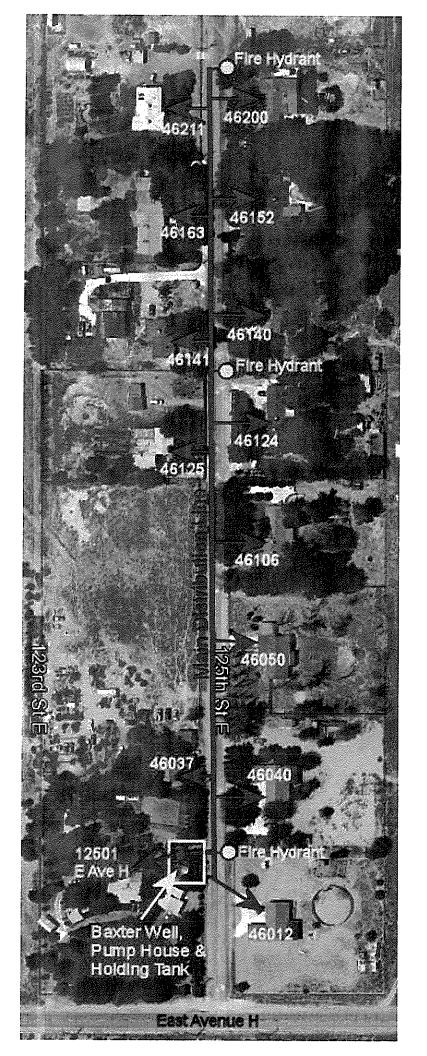
Attachment I.3.b.i.

GRESHAM | SAVAGE ATTORNEYS AT LAW 3750 UNIVERSITY AVE. STE. 250 RIVERSIDE, CA 92501-3335 (951) 684-2171

ANTELOPE VALLEY UNITED MUTUAL GROUP'S INFORMATION AND MATERIALS RESPONSIVE TO DECEMBER 12, 2012 DISCOVERY ORDER FOR PHASE 4 TRIAL



Baxter Mutual Water Company Shareholder Properties Overview (Details below)



Attachment I.3.c.i.

27
GRESHAM | SAVAGE
ATTORNEYS AT LAW
3750 UNIVERSITY AVE.
STE. 250
RIVERSIDE, CA 92501-3335
(951) 684-2171

ANTELOPE VALLEY UNITED MUTUAL GROUP'S INFORMATION AND MATERIALS RESPONSIVE TO DECEMBER 12, 2012 DISCOVERY ORDER FOR PHASE 4 TRIAL

Secretary of State

Administration

Elections Business Programs

Political Reform

Archives

Registries

Business Entities (BE)

Online Services

- Business Search
- Disclosure Search
 E-File Statements
- Processing Times

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Service Options

Name Availability

Forms, Samples & Fees

Annual/Biennial Statements

Filing Tips

Information Requests (certificates, copies & status reports)

Service of Process

FAQs

Contact Information

Resources

- Business Resources
- Tax Information
- Starting A Business
- International Business Relations Program

Customer Alerts

- Business Identity Theft
- Misleading Business
 Solicitations

Business Entity Detail

Data is updated weekly and is current as of Friday, December 14, 2012. It is not a complete or certified record of the entity.

Entity Name:

BAXTER MUTUAL WATER COMPANY

Entity Number:

C0291469

Date Filed:

09/20/1954

Status:

ACTIVE CALIFORNIA

Jurisdiction: Entity Address:

46200 125TH ST EAST

Entity City, State, Zip:

LANCASTER CA 93535

Agent for Service of Process: EDDIE ZAVALA

CANCASTER CA 9353

Agent Address:

46200 125TH ST EAST

Agent City, State, Zip:

LANCASTER CA 93535

- * Indicates the information is not contained in the California Secretary of State's database.
 - If the status of the corporation is "Surrender," the agent for service of process is automatically revoked. Please refer to California Corporations Code section 2114 for information relating to service upon corporations that have surrendered.
 - · For information on checking or reserving a name, refer to Name Availability.
 - For information on ordering certificates, copies of documents and/or status reports or to request a more extensive search, refer to Information Requests.
 - · For help with searching an entity name, refer to Search Tips.
 - For descriptions of the various fields and status types, refer to <u>Field Descriptions and Status</u> <u>Definitions</u>.

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