



**ODD FELLOW SIERRA RECREATION ASSOCIATION  
WATER COST FOR BUDGET YEAR 2010-2011**

**FILED**

12-21-12  
04:59 PM

- 1) Check the tanks three times a week and turn on the pump when needed (Tanks are in two locations)
  - a) David tanks which require a trip of one mile from the work site to the tanks and over to well six (This trip takes ten minutes)
  - b) Isaac tank which requires a trip of two and one-half miles from the work site to the tank and over to well six (This trip takes fifteen minutes)
    - i) Time for David tank per week 3 x 10 minutes = 30 minutes
    - ii) Mileage for David tank per week 3 x 1 mile = 3 miles
    - iii) Time for Isaac tank per week 3 x 15 minutes = 45 minutes
    - iv) Mileage for Isaac tank per week 3 x 2 ½ miles = 7 ½ miles
  
- 2) Operate well pumps as needed
  - a) Fifteen minutes for the round trip and turning the pump on or off
  - b) Round trip from work site to pump five or six is one mile
    - i) Time for turning the pump on per week 3 x 15 minutes = 45 minutes
    - ii) Time for turning the pump off per week 3 x 15 minutes = 45 minutes
    - iii) Mileage for turning the pump on per week 3 x 1 mile = 3 miles
    - iv) Mileage for turning the pump off per week 3 x 1 mile = 3 miles
  
- 3) Subtotals for 1 and 2 above:
  - a) Total time per year for 1) and 2) above 165 minutes x 52 weeks = 8,580 minutes or 143 hours x \$20.00 for a cost of **\$2,860.00 per year in labor costs**
  
  - b) Total mileage per year for 1) and 2) above 16 ½ miles x 52 weeks = 858 miles for a cost of 0.53 x 858 for **transportation cost of \$454.74 per year**
  
- 4) Sample collection once a month for testing
  - a) Collecting water samples requires one mile
  - b) Delivery of water sample to Twain Harte requires a fifteen mile round trip
  - c) Time required is one hour to collect sample, deliver, and return to work site
    - i) Mileage for collecting water sample once a month 12 x 1 mile = 12 miles
    - ii) Mileage for delivery of water sample and return 12 x 15 miles = 180 miles
    - iii) Time required for collection, delivery, and return 12 x 1 hour = 12 hours x \$20.00 for a cost of **\$240.00 per year in labor costs**
  
    - iv) Total mileage per year for (i and ii) above 12 miles + 180 miles = 192 miles times 0.53 = **\$101.76**

- 5) Reports to Healthy Department
- a) Monthly report to Healthy Department of one hour a month
    - i) Cost for summary that is required once a month  $12 \times \$20.00 = \mathbf{\$240.00}$
  - b) Other state required testing. Other required testing averages two hours a year
    - i) Cost for other required testing  $2 \times \$20 = \mathbf{\$40.00}$
  - c) Mileage for a) and b) above is one mile round trip  $1 \text{ mile} \times .53 = \mathbf{\$0.53}$
- 6) Water breaks occurred four times in 2010-2011
- a) Ten hours on average to repair a break
  - b) Two miles total to work on break
  - c) Two hours to obtain parts for break
  - d) Fifty miles round trip to Sonora for parts
  - e) Vendor's charge to furnish two men and necessary equipment to repair a break at a minimum of four hours at a rate of \$150.00 per hour (See Attachment 1 to this exhibit). This fee includes the equipment necessary to repair water breaks such as a back-hoe or an excavator.
  - f) Cost of parts for break based on size of pipe broken (See Attachment 2 to this exhibit)
  - g) Cost in salary for four breaks  $4 \times 5 \text{ hours} = 20 \times \$20.00 = \mathbf{\$400.00 \text{ to work on yearly Breaks}}$
  - h) Mileage for work on four breaks a year  $4 \times 2 \text{ miles} = 8 \text{ miles} \times 0.53 = \mathbf{\$4.24 \text{ for yearly breaks.}}$
  - i) Obtaining parts for break  $4 \times 2 \text{ hours} = 8 \text{ hours} \times \$20.00 = \mathbf{\$160.00}$
  - j) Mileage to obtain parts  $4 \times 50 \text{ miles} = 200 \times .53 = \mathbf{\$106.00.}$
  - k) Vendors yearly fee  $4 \times 4 \text{ hours} = 16 \text{ hours} \times \$150 = \mathbf{\$2,400.00}$
  - l) Cost for parts for a  $\frac{3}{4}$  inch break  $2 \times \$109.33 = \mathbf{\$218.66}$
  - m) Cost for parts for a 2 inch break  $1 \times \$28.87 = \mathbf{\$28.87}$
  - n) Cost for parts for a 4 inch break  $1 \times \$76.88 = \mathbf{\$76.88}$
- 7) Flushing fire hydrants
- a) Fifty fire hydrants four times a year with a time of fifteen minutes each
  - b) Mileage of fourteen miles to flush hydrants
  - c) Cost in salary to flush  $50 \text{ hydrants} \times 15 \text{ minutes} = 750 \text{ minutes} \text{ Divided by } 60 = 12.5 \text{ hours} \times 4 = 50 \text{ hours} \times \$20.00 = \mathbf{\$1,000.00}$
  - d) Cost in mileage to flush  $4 \times 14 \text{ miles} = 56 \text{ miles} \times .53 = \mathbf{\$29.68}$
- 8) Miscellaneous labor related to water  $40 \text{ hours} \times \$20.00 = \mathbf{\$800.00}$
- 9) Cost for year related to water

- |  |                    |                    |
|--|--------------------|--------------------|
| a) Checking tanks and operating wells  | Labor = \$2,860.00 | Mileage= \$454.74  |
| b) Sample collection and testing   | Labor = \$240.00   | Mileage = \$101.76 |
| c) Monthly report  | Labor = \$240.00   |                    |
| d) Other required testing  | Labor = \$40.00    | Mileage = \$0.53   |
| e) Water breaks repair   | Labor = \$400.00   | Mileage = \$6.36   |
| f) Water breaks parts  | Labor = \$160.00   | Mileage = \$159.00 |
| g) Flushing hydrants   | Labor = \$1,000.00 | Mileage = \$29.68  |
| h) Miscellaneous labor   | Labor = \$800.00   |                    |
| i) Total Labor   | \$5,740.00         |                    |
| j) Total Mileage   | \$752.07           |                    |
| k) Vendor for breaks   | \$2,400.00         |                    |
| l) Parts for breaks  | \$430.16           |                    |
| m) Water testing 2010-2011   | \$9,056.00         |                    |
| n) Utilities for wells 2, 5 and 6 for 2010-2011  | \$5,716.45         |                    |
| o) Total water labor for year \$5,740 divided by a total labor cost for the year of \$49,719 gives <b>11.50 %</b> as water's percentage of the total cost of labor   |                    |                    |
| p) Employee benefits ( <b>Exhibit "F"</b> ) of \$7,270 x 11.50% = <b>\$836.05</b> as the amount charged to water   |                    |                    |
| q) Payroll taxes ( <b>Exhibit "F"</b> ) of \$4,784 x 11.50% = <b>\$550.16</b> as the amount charged to water   |                    |                    |
| r) Member communication devotes less than <b>5%</b> to water so taking communication ( <b>Exhibit "F"</b> ) at \$4,108 x 5% = <b>\$206.00</b> as the amount charged to water   |                    |                    |
| s) Insurance per item eleven in the body of the filing was <b>\$121.42</b>   |                    |                    |
| t) Accounting consulting needs appropriate verification  |                    |                    |
| u) Professional services per ( <b>Exhibit "L"</b> ) totaled <b>\$2,249.10</b> .  |                    |                    |
| v) Taxes and licenses budget was \$1,500.00 but the amount spent was \$1,359 ( <b>Exhibit "F"</b> ) but OFSRA now claims in their filing that they budgeted \$1,350.00 just for water but spent \$1,223.10   |                    |                    |
| w) Diver inspection of water tanks <b>\$6,262.00</b> – not a normal cost and possibly paid from water reserve fund   |                    |                    |
| x) Water equipment maintenance – this is the first time this item has appeared as a line-item in an OFSRA budget. OFSRA should submit a List of this equipment and provide invoices verifying these charges. (Note-this item could justifiably be deleted since a vendor doing this work pays all of these expenses out of his hourly rate.) |                    |                    |
| y) Water fuel and water supplies are covered above with the mileage paid and a listing of the parts required for water breaks  |                    |                    |
| z) Actual Water Cost:  |                    |                    |
| i) Labor   | \$5,740            |                    |
| ii) Mileage  | \$752.07           |                    |
| iii) Vendor  | \$2,400            |                    |
| iv) Parts for Breaks   | \$430.16           |                    |
| v) Water Testing   | \$9,056.00         |                    |
| vi) Utilities (PG&E) for Wells 2, 5 & 6  | \$5,716.45         |                    |
| vii) Employee Benefits   | \$836.05           |                    |
| viii) Payroll Taxes  | \$550.18           |                    |

ix)	Communications	\$206.00
x)	Insurance	\$121.42
xi)	Professional Services	\$2,249.10
xii)	Water Tank Inspection	\$6,262.00
xiii)	<b>TOTAL WATER COSTS</b>	<b>\$34,319.43</b>



Peterson Excavation Inc  
 PO Box 303  
 Tuolumne, CA 95379  
 Ph 209-743-6738  
 Fax 209-928-3390

# Estimate

Date	Estimate #
12/18/2012	73

Name / Address
Odd Fellows Park Attn: Steve Wallace

			Project
Description	Qty	Cost	Total
1. This estimate includes labor and equipment for repairing broken water lines or any emergency where assistance is needed which includes the following. Equipment with operator and 1 laborer at a hourly rate of \$150.00 per hour with a 4 hour minimum. This does not include materials if needed for repairs.		600.00	600.00
Thank you for your business.		<b>Total</b>	\$600.00

Customer Signature \_\_\_\_\_



# C & W Supply

19854 Grace Way

Sonora, CA 95370

(209)532-9604/(209)532-0466(Fax)

Date: 12-7-12

Name \_\_\_\_\_

By: JB

Job \_\_\_\_\_

30 Day Quote, Subject to manufacturers increases.

Please allow for applicable freight.

Quantity <sup>12/7/12</sup> Description <sup>STEVE WALLACE / DFSRA</sup> Net Amount

Quantity	Description	Net Amount
	1- 2" PVC Coup	
	1- 2" " Drush Coup	
	10- 2" " Sch 40	
	1- Small CAN primer	
	1- " " PVC Clean Glue	
		1.07
		8.02
		9.20
		4.43
		4.20
		<u>4.43</u>
		26.92
		1.95 TAX
		<u>28.87</u>

44PT  
14PT



# C & W Supply

19854 Grace Way

Sonora, CA 95370

(209)532-9604/(209)532-0466(Fax)

Date: 12-7-12

Name \_\_\_\_\_

By: JB

Job \_\_\_\_\_

30 Day Quote, Subject to manufacturers increases.  
Please allow for applicable freight.

Quantity	Description	Net Amount
12-7-13	1/2 WALL / ALL / OFS RA	
	1- 4" PVC Coup	
	1- 4" " DRUSED Coup	
	10'- 4" " SCH 40	
	1- CAN primer	
	1- " PVC CLEAR Glue	
		5.22
		29.53
		28.30
		4.48
		1/485
		4.20
		1/481
		171.68
		5.20 TAX
		176.88

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