



**ODD FELLOW SIERRA RECREATION ASSOCIATION  
WATER COST FOR BUDGET YEAR 2011-2012**

**FILED**

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- 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 \$23.00 for a cost of **\$3,289.00 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 \$23.00 for a cost of **\$276.00 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
    - i) Cost for summary that is required once a month  $12 \times \$23.00 = \mathbf{\$276.00}$
  - b) Other state required testing. Other required testing averages two hours a year
    - i) Cost for other required testing  $2 \times \$23 = \mathbf{\$46.00}$
  - 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 2011-2012 (per OFSRA Newsletters)
- 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 bring two men and equipment in to repair the break at a minimum of four hours at a rate of \$150.00 per hour
  - 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  $4 \times 5 \text{ hours} = 20 \times \$23.00 = \mathbf{\$460.00 \text{ to work on yearly Breaks}}$
  - 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  $4 \times 2 \text{ hours} = 8 \text{ hours} \times \$23.00 = \mathbf{\$184.00}$
  - 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 hydrant
  - c) Cost in salary to flush  $50 \text{ hydrants} \times 15 \text{ minutes} = 750 \text{ minutes}$   
 $\text{minutes Divided by } 60 = 12.5$   
 $\text{hours} \times 4 = 50 \text{ hours} \times \$23.00 = \mathbf{\$1,150.00}$
  - d) Cost in mileage to flush  $4 \times 14 \text{ miles} = 56 \text{ miles} \times .53 = \mathbf{\$29.68}$
- 8) Miscellaneous labor chargers related to water  $40 \text{ hours} \times \$23 = \mathbf{\$920.00}$
- 9) Cost for year related to water
- a) Checking tanks and operating wells Labor = \$3,289.00 Mileage= \$454.74
  - b) Sample collection and testing Labor = \$276.00 Mileage = \$101.76

c) Monthly report	Labor = \$276.00	
d) Other required testing	Labor = \$46.00	Mileage = \$0.53
e) Water breaks repair	Labor = \$460.00	Mileage = \$6.36
f) Water breaks parts	Labor = \$184.00	Mileage = \$159.00
g) Flushing hydrants	Labor = \$1,150.00	Mileage = \$29.68
h) Miscellaneous labor	Labor = \$920.00	
i) Total Labor	\$6,601.00	
j) Total mileage	\$752.07	
k) Vendor for Breaks	\$2,400.00	
l) Parts for breaks	\$430.16	
m) Water testing 2011-2012	\$6,050.00	
n) Utilities for wells 2, 5 and 6 for 2011-2012	\$6,446.24	
o) Total water labor for year \$6,601.00 divided by a total labor cost for the year of \$63,000.00 gives <b>10.5 %</b> as water's percentage of the total cost of labor.		
p) Employee benefits ( <b>Exhibit "G"</b> )		
q) ") of \$6,300.00 x 10.5% = <b>\$661.50</b> as the amount charged to water		
r) Member communication devotes less than 5% to water so taking communication ( <b>Exhibit "G"</b> ) at \$4,500.00 x 5% = <b>\$225.00</b> as the amount charged to water.		
s) Insurance per item twelve in the body of the filing was <b>\$212.35</b>		
t) Accounting consulting needs appropriate verification		
u) Professional services should be verified with invoices		
v) Taxes and licenses budgeted was \$1,500.00 and the total spent as of April 30, 2012 was \$1,000 ( <b>Exhibit "G"</b> ) but OFSRA claims in their filing that they budgeted \$1,350.00 just for water but spent \$1,022.40		
w) Water equipment maintenance – same applies as stated in 2010-2011 water costs exhibit presented by Claimants		
x) Water fuel and water supplies are covered above with the mileage paid and a listing of the parts required for water breaks		
y) Actual Water Costs:		
i) Labor	\$6,601.00	
ii) Mileage	\$752.07	
iii) Vendor	\$2,400.00	
iv) Parts for Breaks	\$430.16	
v) Water Testing	\$6,050.00	
vi) Utilities for Wells 2, 5 & 6	\$6,446.24	
vii) Employee Benefits	\$1,260.00	
viii) Payroll Taxes	\$661.50	
ix) Communications	\$225.00	
x) Insurance	\$212.35	
xi) Professional Services	Unknown	
xii) Water Tank Inspection	\$0.00	
<b>xiii) TOTAL WATER COSTS</b>	<b>\$25,038.32</b>	<b>(Not including Professional Services)</b>