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**ODD FELLOW SIERRA RECREATION ASSOCIATION
WATER COST FOR BUDGET YEAR 2012-2013**

- 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 $3 \times 10 \text{ minutes} = 30 \text{ minutes}$
 - ii) Mileage for David tank per week $3 \times 1 \text{ mile} = 3 \text{ miles}$
 - iii) Time for Isaac tank per week $3 \times 15 \text{ minutes} = 45 \text{ minutes}$
 - iv) Mileage for Isaac tank per week $3 \times 2 \frac{1}{2} \text{ miles} = 7 \frac{1}{2} \text{ miles}$

- 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 $3 \times 15 \text{ minutes} = 45 \text{ minutes}$
 - ii) Time for turning the pump off per week $3 \times 15 \text{ minutes} = 45 \text{ minutes}$
 - iii) Mileage for turning the pump on per week $3 \times 1 \text{ mile} = 3 \text{ miles}$
 - iv) Mileage for turning the pump off per week $3 \times 1 \text{ mile} = 3 \text{ miles}$

- 3) Subtotals for 1 and 2 above:
 - a) Total time per year for 1) and 2) above $165 \text{ minutes} \times 52 \text{ weeks} = 8,580 \text{ minutes}$ or $143 \text{ hours} \times \25.00 for a cost of **\$3,575.00 per year in labor costs**
 - b) Total mileage per year for 1) and 2) above $16 \frac{1}{2} \text{ miles} \times 52 \text{ weeks} = 858 \text{ miles}$ for a cost of 0.53×858 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 $12 \times 1 \text{ mile} = 12 \text{ miles}$
 - ii) Mileage for delivery of water sample and return $12 \times 15 \text{ miles} = 180 \text{ miles}$
 - iii) Time required for collection, delivery, and return $12 \times 1 \text{ hour} = 12 \text{ hours} \times \25.00 for a cost of **\$300.00 per year in labor costs**
 - iv) Total mileage per year for (i and ii) above $12 \text{ miles} + 180 \text{ miles} = 192 \text{ miles}$ times $0.53 =$ **\$101.76**

- 5) Reports to Healthy Department
- a) Monthly report to Healthy Department. The Monthly Summary requires one hour a month
 - i) Cost for summary that is required once a month $12 \times \$25.00 = \mathbf{\$300.00}$
 - b) Other state required testing. Other required testing averages two hours a year
 - i) Cost for other required testing $2 \times \$25 = \mathbf{\$50.00}$
 - c) Mileage for a) and b) above is one mile round trip $1 \text{ mile} \times .53 = \mathbf{\$0.53}$
- 6) Water breaks averaging four times a year used for 2012-2013
- a) Four 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 (See Attachment 1 to this exhibit) This fee includes the necessary equipment such as a back-hoe.
 - 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 $4 \times 5 \text{ hours} = 20 \times \$25.00 = \mathbf{\$500.00 \text{ to work on yearly Breaks}}$
 - 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 $4 \times 2 \text{ hours} = 8 \text{ hours} \times \$25.00 = \mathbf{\$200.00}$
 - 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 $50 \text{ hydrants} \times 15 \text{ minutes} = 750 \text{ minutes} \text{ Divided by } 60 = 12.5 \text{ hours} \times 4 = 50 \text{ hours} \times \$25.00 = \mathbf{\$1,250.00}$
 - d) Cost in mileage to flush $4 \times 14 \text{ miles} = 56 \text{ miles} \times .53 = \mathbf{\$29.68}$
- 8) Miscellaneous labor charges related to water $40 \text{ hours} \times \$25.00 = \mathbf{\$1,000.00}$

- 9) Cost for year related to water
- | | | |
|---|--------------------|--------------------|
| a) Checking tanks and operating wells | Labor = \$3,575.00 | Mileage= \$454.74 |
| b) Sample collection and testing | Labor = \$300.00 | Mileage = \$101.76 |
| c) Monthly report | Labor = \$300.00 | |
| d) Other required testing | Labor = \$50.00 | Mileage = \$0.53 |
| e) Water breaks repair | Labor = \$500.00 | Mileage = \$6.36 |
| f) Water breaks parts | Labor = \$200.00 | Mileage = \$159.00 |
| g) Flushing hydrants | Labor = \$1,250.00 | Mileage = \$29.68 |
| h) Miscellaneous Labor | Labor = \$1000.00 | |
| i) Total Labor | \$7,175.00 | |
| j) Total Mileage | \$752.07 | |
| k) Vendor for Breaks | \$2,400.00 | |
| l) Parts for Breaks | \$430.16 | |
| m) Water Testing Budgeted | \$8,000.00 | |
| n) Utilities for Wells 2, 5 and 6 for
5/22/2012-11/19/2012 (Exhibit "J")
= \$4,231.60 for half the year.
Doubling that to \$8,463.20 is fair since
the high use months are past. | \$8,463.20 | |
| o) Total water labor for year \$7,175.00 divided by a budgeted labor cost for the year
of \$70,000.00 gives 10.3% as water's percentage of the total cost of labor | | |
| p) Employee benefits budgeted \$12,000 x 10.3% = \$1,236.00 as the amount
charged to water | | |
| q) Payroll taxes of \$7,000.00 x 10.3% = \$721.00 as the amount charged to water | | |
| r) Member communication devotes less than 5% to water so taking that percentage
of the budgeted amount of \$4,500.00 x 5% = \$225.00 as the amount charged to
water | | |
| s) Insurance per item thirteen in the body of the filing was \$303.33 | | |
| t) Accounting consulting needs appropriate verification | | |
| u) Taxes and licenses budgeted was \$4000.00 which is much higher than previous
years needs appropriate verification | | |
| v) Water equipment maintenance – same applies as stated in 2010-2011 water
costs exhibit presented by claimants | | |
| w) Water fuel and water supplies are covered above with the mileage paid and a
listing of the parts required for water breaks | | |
| x) Actual Water Cost: | | |
| i) Labor | \$7,175.00 | |
| ii) Mileage | \$752.07 | |
| iii) Vendor | \$2,400.00 | |
| iv) Parts for Breaks | \$430.16 | |
| v) Water Testing | \$8,000.00 | |
| vi) Utilities for Wells 2, 5, & 6 | \$8,463.20 | |
| vii) Employee Benefits | \$1,236.00 | |
| viii) Payroll Taxes | \$721.00 | |
| ix) Communications | \$225.00 | |
| x) Insurance | \$303.33 | |

xi) Professional Services	Unknown
xii) Water Tank Inspection	\$0.00
xiii) TOTAL WATER COSTS	\$29,705.56 (Not including Professional Services)