

Name of Assessment

Baseline 92 % OPTIMIZATION RATING \$2,851.14 ANNUAL SAVINGS POTENTIAL	Modification 3 92 % OPTIMIZATION RATING \$2,851.14 ANNUAL SAVINGS POTENTIAL
Modification 2 92 % OPTIMIZATION RATING \$2,851.14 ANNUAL SAVINGS POTENTIAL	Modification 1 92 % OPTIMIZATION RATING \$2,851.14 ANNUAL SAVINGS POTENTIAL

ASSESSMENT RESULT DATA

	Existing	Optimal	Modification 3	Modification 2	Modification 1
Pump efficiency (%)	80.26	86.75	80.26	80.26	80.26
Motor rated power (hp)	200.00	100.00	200.00	200.00	200.00
Motor shaft power (hp)	101.19	93.61	101.19	101.19	101.19
Pump shaft power (hp)	101.19	93.61	101.19	101.19	101.19
Motor efficiency (%)	94.36	95.03	94.36	94.36	94.36
Motor power factor (%)	76.46	85.98	76.46	76.46	76.46
Motor current (amps)	125.86	102.81	125.86	125.86	125.86
Motor power (hp)	80.00	73.49	80.00	80.00	80.00
Annual Energy (MWh)	700.80	643.78	700.80	700.80	700.80
Annual Cost	35,040.00	32,188.86	35,040.00	35,040.00	35,040.00

ASSESSMENT INPUT DATA

	Baseline	Modification 3	Modification 2	Modification 1
Pump & Fluid				
Pump Type	End Suction ANSI/API	End Suction ANSI/API	End Suction ANSI/API	End Suction ANSI/API
Pump RPM	1,780.00	1,780.00	1,780.00	1,780.00
Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive
Kinematic Viscosity (cST)	01.00	01.00	01.00	01.00
Specific Gravity	01.00	01.00	01.00	01.00
Stages	02.00	02.00	02.00	02.00
Fixed specific speed?	No	No	No	No
Motor				
Line Frequency	60 Hz Hz	60 Hz	60 Hz	60 Hz
Horse Power	200.00 hp	200.00	200.00	200.00
Motor (RPM)	1,780.00	1,780.00	1,780.00	1,780.00
Efficiency Class	Specified	Specified	Specified	Specified
Voltage	460.00	460.00	460.00	460.00
Full-Load Amps	225.00	225.00	225.00	225.00
Size Margin	00.00	00.00	00.00	00.00
Field Data				
Operating Fraction	01.00	01.00	01.00	01.00
Cost (kW/hr)	00.05	00.05	00.05	00.05
Flow Rate (gpm)	1,840.00	1,840.00	1,840.00	1,840.00
Head (ft)	174.85	174.85	174.85	174.85
Load Estimated Method	Power	Power	Power	Power
Motor Power (kW)	80.00	80.00	80.00	80.00
Voltage	480.00	480.00	480.00	480.00