WEATHER FILE- St. Louis MO TMY2

REPORT- PV-A Plant Design Parameters

OP TO	OTAL HEAD (FT)	SUPPLY UA PRODUCT (BTU/HR-F)	SUPPLY LOSS DT (F)	RETURN UA PRODUCT (BTU/HR-F)	RETURN LOSS DT (F)	LOOP VOLUME (GAL)	FLUID HEAT CAPACITY (BTU/LB-F)
299.8	111.4	0.0	0.00	0.0	0.00	449.6	1.00
228.6	48.5	0.0	0.00	0.0	0.00	342.8	1.00
0.6	6.4	0.0	0.00	0.0	0.00	1.0	1.00
F: (GAL/)	LOW MIN)	HEAD (FT)	HEAD SETPOINT (FT)	CAPACITY CONTROL	POWER (KW)	MECHANICAL EFFICIENCY (FRAC)	MOTOR EFFICIENCY (FRAC)
1 DIIMD/c	١			VAR-SPEED	9.650	0.497	0.900
1 PUMP(s) 154.0	43.9	35.1	VAR-SPEED	3.600	0.395	0.895
1 PUMP(s) 375.0	30.2	24.2	VAR-SPEED	3.735	0.635	0.900
1 PUMP(s	0.0	0.5	0.0	ONE-SPEED	0.000	0.770	0.400
1 PUMP(s) 51.3	6.7	0.0	ONE-SPEED	0.120	0.602	0.900
1 PUMP(s	51.3	6.7	0.0	ONE-SPEED	0.120	0.602	0.900
1 PUMP(s) 51.3	6.7	0.0	ONE-SPEED	0.120	0.602	0.900
ATTACHED TO	0	RATE CAPACI (MBTU/	D TY FLOW HR) (GAL/MIN	RATED EIR) (FRAC	RATI HII (FR	ED R AUXILI	IARY V)
	299.8 228.6 359.7 0.6 F(GAL/) 1 PUMP(s 1 PUMP(s 1 PUMP(s 1 PUMP(s 1 PUMP(s 1 PUMP(s	299.8 111.4 228.6 48.5 359.7 70.1 0.6 6.4 (GAL/MIN) 1 PUMP(s) 300.2 1 PUMP(s) 154.0 1 PUMP(s) 375.0 1 PUMP(s) 0.0 1 PUMP(s) 51.3 1 PUMP(s) 51.3 1 PUMP(s) 51.3	299.8 111.4 0.0 228.6 48.5 0.0 359.7 70.1 0.0 0.6 6.4 0.0 (GAL/MIN) (FT) 1 PUMP(s) 300.2 76.4 1 PUMP(s) 43.9 1 PUMP(s) 375.0 30.2 1 PUMP(s) 0.0 0.5 1 PUMP(s) 51.3 6.7 1 PUMP(s) 51.3 6.7 1 PUMP(s) 51.3 6.7	299.8 111.4 0.0 0.00 228.6 48.5 0.0 0.00 359.7 70.1 0.0 0.00 0.6 6.4 0.0 0.00 FLOW HEAD SETPOINT (FT) 1 PUMP(s) 300.2 76.4 61.1 1 PUMP(s) 154.0 43.9 35.1 1 PUMP(s) 375.0 30.2 24.2 1 PUMP(s) 0.0 0.5 0.0 1 PUMP(s) 51.3 6.7 0.0 1 PUMP(s) 51.3 6.7 0.0 1 PUMP(s) 51.3 6.7 0.0	299.8 111.4 0.0 0.00 0.0 228.6 48.5 0.0 0.00 0.0 359.7 70.1 0.0 0.00 0.0 0.6 6.4 0.0 0.00 0.0 FLOW HEAD SETPOINT CONTROL (FT) 1 PUMP(s) 300.2 76.4 61.1 VAR-SPEED 1 PUMP(s) 375.0 43.9 35.1 VAR-SPEED 1 PUMP(s) 375.0 30.2 24.2 VAR-SPEED 1 PUMP(s) 0.0 0.5 0.0 ONE-SPEED 1 PUMP(s) 51.3 6.7 0.0 ONE-SPEED 1 PUMP(s) 51.3 6.7 0.0 ONE-SPEED	299.8 111.4 0.0 0.00 0.0 0.0 0.00 228.6 48.5 0.0 0.00 0.00 0.0 0.00 359.7 70.1 0.0 0.00 0.0 0.0 0.00 0.6 6.4 0.0 0.00 0.0 0.0 0.00 FLOW HEAD SETPOINT CONTROL POWER (KW) 1 PUMP(s) 300.2 76.4 61.1 VAR-SPEED 9.650 1 PUMP(s) 154.0 43.9 35.1 VAR-SPEED 3.600 1 PUMP(s) 375.0 30.2 24.2 VAR-SPEED 3.735 1 PUMP(s) 0.0 0.5 0.0 ONE-SPEED 0.000 1 PUMP(s) 51.3 6.7 0.0 ONE-SPEED 0.120 1 PUMP(s) 51.3 6.7 0.0 ONE-SPEED 0.120 1 PUMP(s) 51.3 6.7 0.0 ONE-SPEED 0.120	299.8 111.4 0.0 0.00 0.0 0.00 449.6 228.6 48.5 0.0 0.00 0.0 0.0 0.00 342.8 359.7 70.1 0.0 0.00 0.0 0.0 0.00 539.6 0.6 6.4 0.0 0.00 0.0 0.0 0.00 1.0 FLOW HEAD SETPOINT CONTROL (KW) EFFICIENCY (FRAC)