

APPENDIX A: DESCRIPTION OF UNIT

MADERA POWER, LLC

I. FACILITY LOCATION

11427 Firebaugh Road
Firebaugh, CA 93622

II. EQUIPMENT AND TECHNOLOGY

The facility uses a fluidized bed combustor to generate energy from biomass. The capacity of the facility is 24 net megawatts/hour (estimated 178,704 megawatts produced per year). The facility operates an Elliot steam turbine with a Brush 28.5 megawatt, 13,800 volt generator. The facility uses an Energy Products of Idaho atmospheric fluidized bed combustor with a Zurn forced circulation boiler generating 260,000 pounds/hour of steam (850 pounds per square inch, 850 degrees Fahrenheit). Other equipment includes a fuel feed system, an ash-handling system, an air pollution control system, a boiler water treatment system, a cooling tower, lined liquid impoundment ponds, an air compressor, a General Electric transformer, and a distributed control system.

The facility's rated capacity is 24.5 megawatts.

III. INTERCONNECTION

Dairyland and Mendota Substations, 115-120 kV

MADERA-APPENDIX B

MADERA POWER, LLC

APPENDIX B

(Pursuant to Section 10 of the Agreement)

SELLER	SHUTDOWN					STARTUP									CURTAILMENT			
	Advance Notification (Hrs)	Min Down Time (Hrs)	Shutdown Duration (Hrs) for Classification to following starts			Cost per start (\$\$) if number of starts exceed 5 cold and, 5 warm or hot starts/year			Notification (Hrs)			Time Req'd for Startup (Hrs)			RAMP RATE (mw/min)	Advance Notification (Hrs)		Max. Curtailment (mw)
			Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot	Cold	Warm	Hot		Day-ahead (DA)*	Intra-Day (HA)**	
MADERA	8	4	>48	>24 & ≤48	≤24	\$28,320	\$14,015	\$10,029	24	12	8	12	8	4	0.3	2	1	7

"Cold Start" is defined as the process of starting up the Unit(s) at Buyer's request after the Unit(s) has remained unparalleled or disconnected from PG&E's system for more than 48 hours pursuant to Section 10.a. of the Agreement.

"Warm Start" is defined as the process of starting up the Unit(s) at Buyer's request after the Unit(s) has remained unparalleled or disconnected from PG&E's system for more than 24 hours but no more than 48 hours pursuant to Section 10.a. of the Agreement.

"Hot Start" is defined as the process of starting up the Unit(s) at Buyer's request after the Unit(s) has remained unparalleled or disconnected from PG&E's system for 24 or less than 24 hours pursuant to Section 10.a. of the Agreement.

- NOTES:
- *For curtailment orders applicable to day-ahead (DA) scheduling, Buyer shall provide 2 hours prior notice to Seller's Scheduling Coordinator's submission of preferred DA schedules to the ISO
 - **For curtailment orders applicable to intra-day schedule changes, Buyer shall provide 1 hour notice prior to Seller's Scheduling Coordinator's submission of preferred hour-ahead (HA) schedule to the ISO.