Figure 6
MW Generation Deficiencies in RMR Areas

(Under critical contingencies such as generator or line outages which result in severe violations of thermal ratings, unacceptably low voltage and/or reactive margins.)

Local Areas	2002	
Humboldt	88	The recommended solution is faster clearing times on the 60KV lines, not additional generation. PG&E is working on a project to fix this.
Battle Creek	10	
North Bay		
Eagle Rock	30	
Vaca Dixon	16	
Greater Bay Area		Potential for transmission system fix at the Tesla Substation could reduce RMR needs; equipment expected to be installed during 2002.
San Jose	350	This is the 115KV sub-area between Newark and Metcalf.
Sierra		
Summit	50	Transmission fixes would help this area more than generation additions. PG&E has an approved project for 2003 that would eliminate the most stringent contingency.
Colgate	10	
Fresno		
Wilson 115 KV sub-area	70	
Wishon 70 KV sub-area	10	

Source: CA ISO, September 10, 2001.

*PATH 15
Existing Path 15 constraints combined with low hydro conditions and unplanned generation outages in northern California could lead to regional supply/demand imbalances during the fall/winter 2001. Plans to upgrade Path 15 are not scheduled until 2004.

**PATH 45
By November 2001 SDG&E will increase the import/export capability of Path 45 to Mexico from 408 MW to 800 MW.

CALIFORNIA ENERGY COMMISSION SYSTEMS ASSESSMENT & FACILITIES SITING DIVISION
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