



California ISO
Shaping a Renewed Future

Briefing on Summer 2012 Operations Preparedness

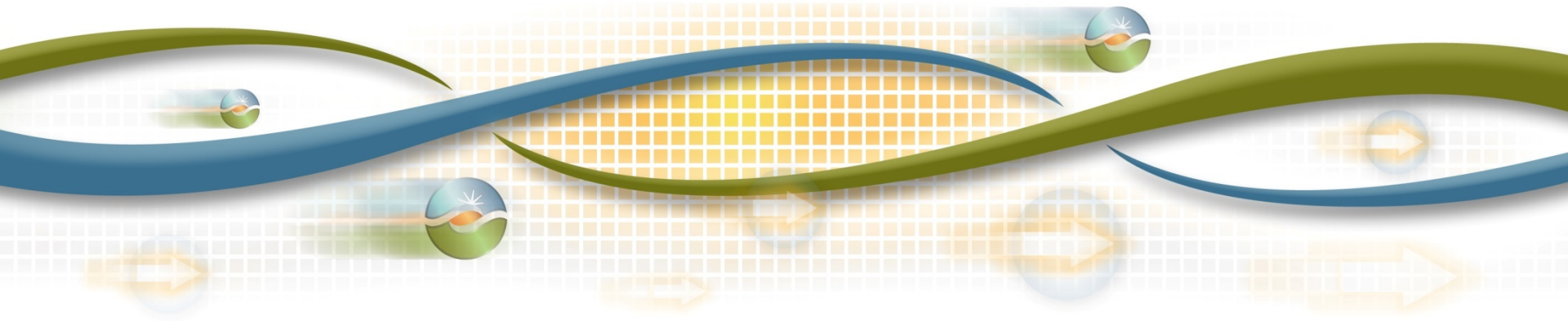
Neil Millar

Executive Director, Infrastructure Development

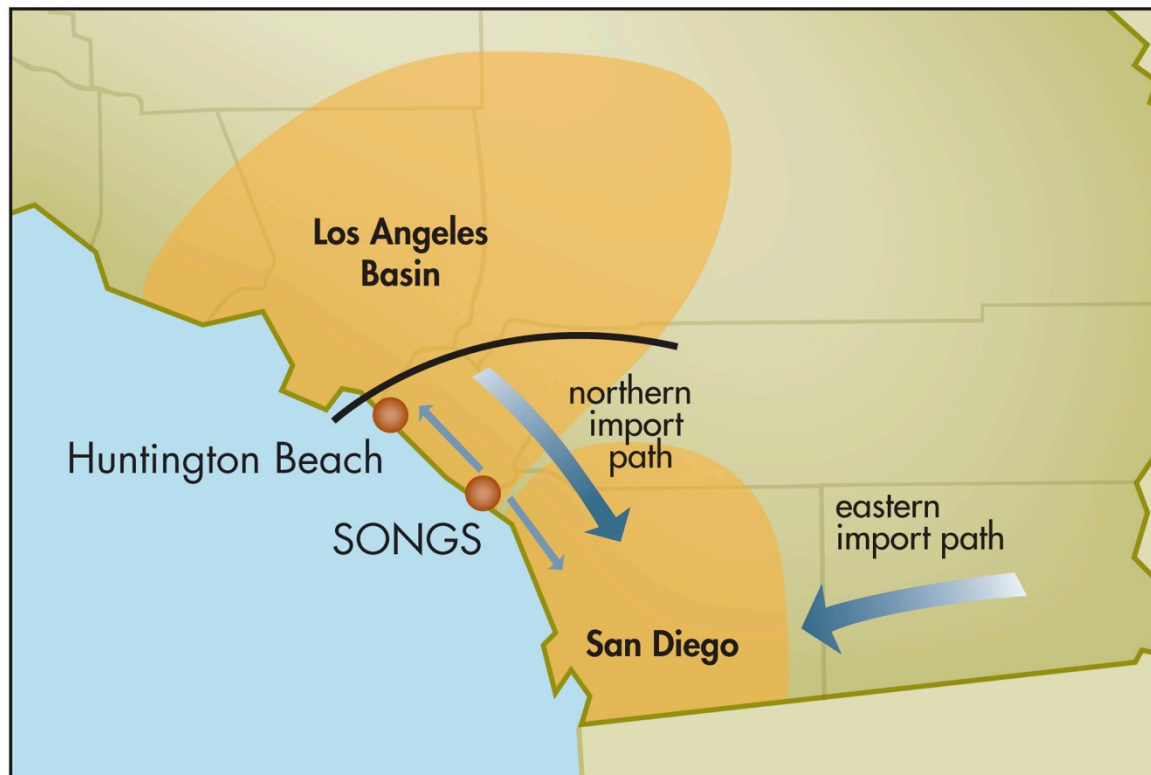
Board of Governors Meeting

General Session

March 22-23, 2012



Without the San Onofre Nuclear Generating Station (SONGS), San Diego and Los Angeles reliability is at risk under heavy load conditions.



San Diego is at risk of outages under heavy load conditions.

Huntington Beach units 3 & 4 increase import capability to San Diego.

Load	Mild Conditions	Heavy Load	→	Mild Conditions	Heavy Load
		4438		4882	
Total gen	3048	3048		3048	3048
Import capability	2100	2100	→	2450	2450
Load can be served	5148	5148		5498	5498
Reserves available	710	266		1060	616
Reserve requirement	603	603		603	603
Reserve margin	107	-337	→	457	13

Conservation and demand response will provide additional margin.

Activating Huntington Beach units 3 & 4 also mitigates the Los Angeles area outage risk that arises under heavy load conditions.

- Without both SONGS units, the Los Angeles area is short approximately 240 MW.
- Huntington Beach units 3 & 4 add 450 MW, thus mitigating the shortage.

These actions mitigate the outage risk.

- Return Huntington Beach 3 & 4 to service
- Accelerate Barre-Ellis transmission upgrade
- Accelerate completion of Sunrise and related outage planning
- Fully fund Flex Alerts and restart CPUC 20/20 program
- Fully utilize available demand response (e.g., as SCE air conditioner cycling)
- Seek additional military and public agency demand response
- Take longer-term steps to increase available demand response system-wide