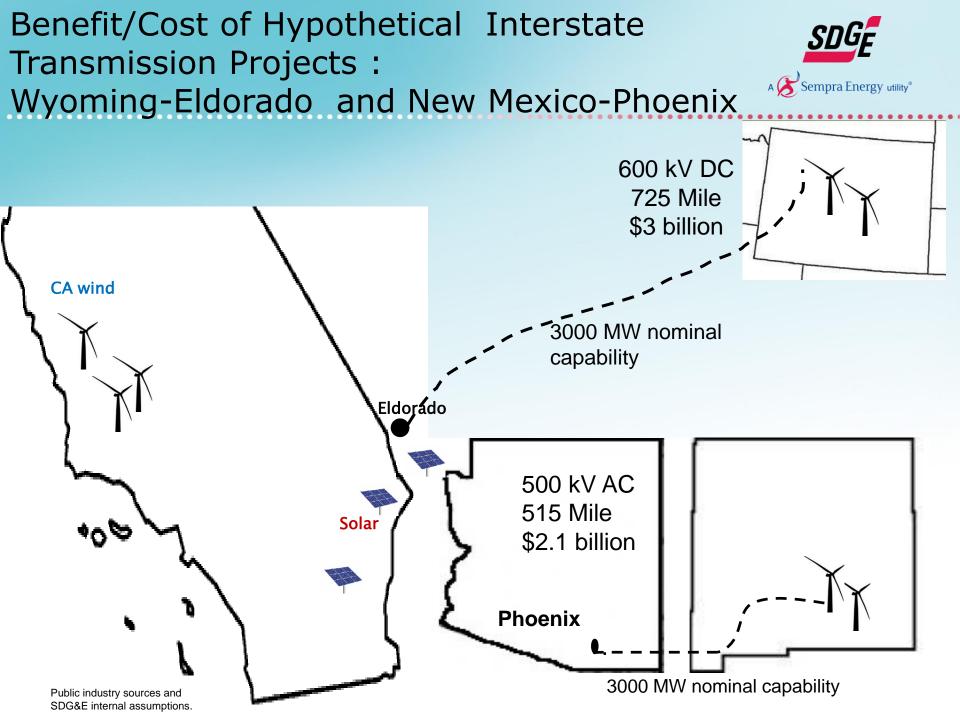
DOCKETED			
Docket Number:	15-RETI-02		
Project Title:	Renewable Energy Transmission Initiative 2.0		
TN #:	208284		
<b>Document Title:</b>	San Diego Gas & Electric Company Presentation		
Description:	N/A		
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Docketed Date:	1/21/2016		



# SDG&E's Interstate Transmission Expansion Studies & RPS Compliance

January 22, 2016





# Assumptions



- Southern California Gas Price year 2024 : \$5.21/MMBTU (2014USD)
- Capital Cost (2014 USD):

Wind			Solar	Gas Turbine	
Wyoming	New Mexico	California	California Solar	California	
\$2,024 /KW	\$2,062/KW	\$2,237/KW	\$3,305/KW	\$1,416/KW	

Annual Capacity factor:

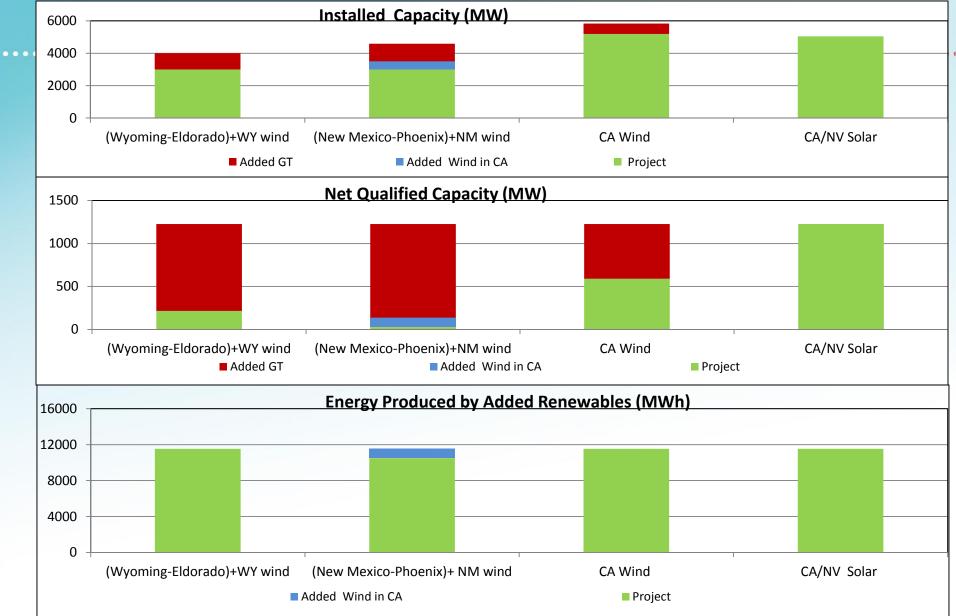
Wind		Solar		Gas Turbine	
Wyoming	New Mexico	California	California	California	
43.9%	40.0%	25.5%	26.1%	Market driven	

#### Capacity Value (relative to nameplate)

Wind		Solar	Gas Turbine	
Wyoming	New Mexico	California	California	California
7%	1%	11%	24%	100%

Source: WECC Transmission Expansion Planning Policy Committee (TEPPC) and SDG&E internal estimates. Estimates may not be representative of current information...





### Benefit/ Cost in WECC - Summary Results

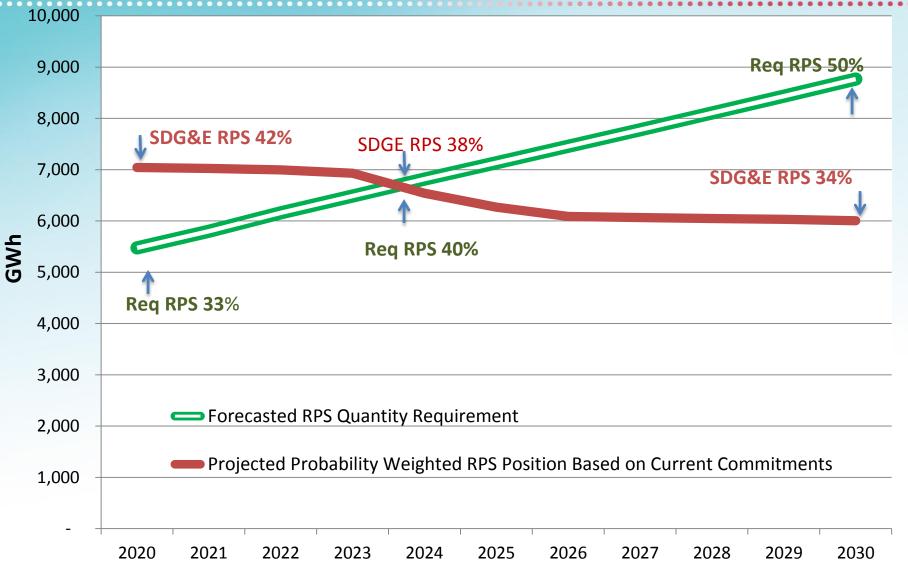


• WECC Levelized Benefits (M\$)	Wind Reference Case	Wyoming - Eldorado	Benefits	New Mexico - Phonix	Benefits
Energy Cost	20,646	20,587	59	20,614	32
Fixed Cost of Added Generation	1,566	903	663	1,080	486
Fixed Cost of New Transmission	0	353	(353)	249	(249)
Net Cost	22,212	21,843	369	21,943	269
Benefit/Cost Ratio			2.1		2.1
WECC Levelized Benefits (M\$)	Solar Reference Case	Wyoming- Eldorado	Benefits	New Mexico - Phoenix	Benefits
Energy Cost	20,830	20,587	244	20,614	216
Fixed Cost of Added Generation	1,824	903	920	1,080	743
Fixed Cost of New Transmission	0	353	(353)	249	(249)
		24.042	011	21 042	711
Net Cost	22,654	21,843	811	21,943	711

Source: SDG&E internal study results. Results are illustrative, not intended for decision-making, and are subject to the assumed study methodology and assumptions.

## SDG&E's Projected Bundled Customer RPS Position\*





\*Note, does not reflect SDG&E's ability to bank Renewable Energy Credits.