

DOCKETED

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Preferred resources are changing the generation requirements for the region

Additional submitted attachment is included below.

Douglas O'Brien
The Energy Coalition
Program Manager for SoCalREN (CPUC funded program)

For over nine years I have been working on energy efficiency and renewable projects throughout Ventura County. In that time I have identified hundreds of projects. These projects are comprised mainly of energy efficiency and solar opportunities, but in the past year storage projects have begun to become more common. A portion of these projects have been completed or are in the final stages of project development prior to implementation. Many more remain incomplete due to funding issues.

The list of projects I have gathered represent opportunities for public agencies. With relatively little effort approximately 50 MW of demand can be eliminated by implementing these projects, (see attached) which are comprised of;

- 59 million kWh savings
- 34 MW of solar
- 6 MW of storage

Consider that public agency energy consumption is a fraction of the total consumption in the County; the opportunities for additional demand reduction are huge. Other individuals active in the county have identified over 200 MW worth of project opportunities that cover all sectors, public and private. With little effort the number of viable projects identified can be doubled. And all of the projects combined would cost significantly less to implement than the proposed power plant.

The CalISO LCR analysis repeatedly over estimated demand growth while under estimating the growth of preferred resources in the region. The analysis seems to be oblivious to the real world market trends yielding dramatic decreases in cost for renewable and storage solution and the associated increase in sales regionally for commercial and residential sectors. Additionally the remarkable decrease in cost for LED fixture is positioning the market for another huge wave of EE lighting projects. The lighting projects completed 6 years ago have paid for themselves and facility managers are now considering the conversion to LED. For just public sector agencies the savings could easily exceed 20 million kWh over the next 5 years.

When you consider all the existing project opportunities (active and pending) in the county, and clear market growth of renewable and storage projects, the proposed facility, if built, at best will be under utilized or at worst will end up as a stranded asset. There is a need for additional generation in the Ventura region, but fresh analysis needs to be completed to accurately determine 1) how much additional generation, 2) what kind of new generation and 3) on what timescale will that new generation be needed.

Summary of EE projects agencies in Ventura County

Date: 13-Mar-2014

Doug O'Brien

No	Public Agency	Energy Efficiency Projects (Identified)			Solar Projects (Identified)				Potential Storgae Projects (Identified)			
		Number of Projects	Annual Energy Use (kWh)	Energy Savings Potential (kWh)	Number of Projects	Annual Energy Use (kWh)	System Size (kW)	System Size (kWh)	Number of Projects	Annual kWh	Peak KW	Battery Size (MW)
1	City of Oxnard	10	20,338,945	5,457,378	-	-	-	-	-	-	-	-
2	City of Thousand Oaks	10	19,067,971	3,883,850	-	-	-	-	-	-	-	-
3	City of Ventura	10	27,939,088	7,094,030	-	-	-	-	-	-	-	-
4	Conejo Parks and Recreation	10	1,607,140	241,071	-	-	-	-	-	-	-	-
5	Conejo Valley Unified School District	14	19,706,489	4,540,325	7	7,554,214	6,832	11,930,856	1	1,491,609	670	0.6
6	Port of Hueneeme, Oxnard Harbor District	2	2,667,456	307,854	-	-	-	-	1	1,333,728	-	1.4
7	Ventura Unified School District	12	21,378,816	3,798,832	10	9,679,061	6,402	11,204,454	3	5,036,537	1,707	1.8
8	City of Camarillo	1	TBD	1,500,000	-	-	-	-	-	-	-	-
9	City of Santa Paula	1	TBD	1,500,000	-	-	-	-	-	-	-	-
10	City of Fillmore	1	TBD	1,000,000	-	-	-	-	-	-	-	-
11	United Water Conservation District	1	TBD	1,000,000	-	-	-	-	-	-	-	-
12	Ojai Sanatation District	1	TBD	800,000	-	-	-	-	-	-	-	-
13	Fillmore Unified School District	-	-	-	4	2,405,853	902	1,577,401	-	-	-	-
14	Los Virgenes Unified School District	-	-	-	11	6,408,742	4,861	8,507,669	-	-	-	-
15	Moorpark Unified School District	-	-	-	1	1,504,967	1,077	1,885,118	-	-	-	-
16	Ojai Unified School District	-	-	-	1	1,094,241	724	1,267,550	-	-	-	-
17	Pleasant Valley School District	-	-	-	1	307,680	244	427,790	-	-	-	-
18	Port Hueneme School District	-	-	-	1	578,067	941	1,646,200	-	-	-	-
19	Rio School District	-	-	-	8	2,671,938	1,257	2,200,038	-	-	-	-
20	Santa Paula Unified School District	-	-	-	3	577,000	363	635,389	-	-	-	-
21	VC Department of Airports	-	-	-	3	992,002	566	992,002	-	-	-	-
22	Ventura County GSA	-	-	-	22	33,233,318	10,308	17,843,310	-	-	-	-
23	Ventura County	-	-	-	-	-	-	-	1	18,557,617	3,898	2.0
25	All VC School Districts (except VUSD and CVUSD) *	Unknown	Unknown	28,560,143	-	-	-	-	-	-	-	-
Totals:		73	112,705,905	59,683,483	72	67,007,083	34,477	60,117,777	6	26,419,491	6,275	5.8

* Based on the available Prop 39 funds, minus planning funds.
 Assumptions; Districts spend all Prop 39 funds and achieve at a minimum the 1.05 Savings to Investment Ratio on energy efficiency measures.
 Note some districts may choose to spend the funds on renewable energy, however if they adhere to the Prop 39 requirements which requires adherence to the state loading order, it is doubtful any will.