



February 26, 2010

RETI NET SHORT UPDATE: LOW LOAD CASE

SUMMARY OF UPDATES

- Incremental Uncommitted EE
- Incremental CHP
- Additional Miscellaneous Other Generation to reflect wholesale distributed generation

INCREMENTAL UNCOMMITTED EE

- Energy Commission produced a draft incremental uncommitted forecast in January 2010
- IOU incremental uncommitted in 2020 mid case is 12,225 GWh
- IOU sales are 75.1% of total, assuming POU penetration proportional: 16,267 GWh
- Caveats

INCREMENTAL CHP

- PIER Commissioned an ICF report on CHP technical and market potential
- Base Case Assumptions: SGIP for 10, AB1613 tariff applies up to 20 MW, no contract mechanism > 20 MW
- 2019 results: 13,669 GWh

MISC OTHER GENERATION

- RETI agreed to Privately Owned PV of 7,358 GWh
- Wholesale PV not currently reflected, no reliable estimate by California Agencies to date
- Posit that wholesale commensurate with private: 7,358 GWh
- Net out 876 GWh already in for PV portion of SCE 500 MW project
- Number for consideration: 6,482 GWh

IS 6,482 REASONABLE?

- Feed in Tariffs for SMUD, AB 32 up to 3 MW, and CPUC up to 10 MW sum to 1,850 MW
- 1,850 MW at 20% Capacity Factor yields 3,241 GWh
- E3 number prepared for ReDEC is too high at 9,000 MW but not sure how much too high
- Is 6,482 GWh reasonable for a low load scenario?

RETI Net Short Calculator**Low Load Scenario**

Color indicates potential for user input.

Variable	Variable Name	2020 Value GWh (Note 1)
Electric Energy Services	EnergyServices	343,647
Incremental Efficiency	IncEff	16,267
Gross Generation	GrossGen	327,380
Total Private Supply	TotPrivSupply	32,665
Private PV	PrivPV	3,218
Incremental Private PV	IncPV	4,140
Private CHP	PrivCHP	11,677
Incremental Private CHP	IncCHP	13,629

Net Losses	Losses	22,989
Utility Supply	UtilSupply	271,727
Water Pumping	PumpLoad	13,556
LSE Retail Sales	RetailSales	258,170
Non-RPS Generation	OtherGen	172,974
Existing Non-RPS Generation (Note 1)	ExistOther	217,745
Decline in Non-RPS Generation	FreedFossil	44,771
33% RPS Generation	RPSGen	85,196
Existing Renewable Generation (Note 1)	ExistRenew	38,174
New Renewable Generation	NewRenew	47,022
Misc. Other Generation	MiscRenew	9,783
RETI Renewable Net Short	NetShort	37,239

CONTACT INFORMATION

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