

SB350 Proposed Supplemental Data & Information Release Schedule

June 7, 2016

Brattle

Material	Notes (slides refer to May 24-25 slide deck)	Posting Dates
PSO unit list, including capacity, fuel or unit type, and retirement dates (will show assumptions for plant retirements and additions)	In support of slide 141	June 3, 2016
Hurdle rates between BAs	In support of slide 142 - 143	June 3, 2016
Load assumptions	In support of slide 144	June 3, 2016
Natural gas price assumptions	In support of slide 145	June 3, 2016
CO2 price assumptions	In support of slide 146	June 3, 2016
Load diversity analyses	In support of slides 99 – 101, 183-184	June 3, 2016
Workbook with detailed <u>annual</u> summaries of TEAM calculations comparing the various cases	In support of slides 94 & 96 Some or all underlying data (but more work papers will be provided) for slides 107–110	June 3, 2016
Workbook with detailed <u>hourly</u> TEAM calculations comparing the various cases	In support of slides 94 & 96 Some or all underlying data (but more work papers will be provided) for slides 107 – 110	June 10, 2016
Detailed input files for PSO	In support of slides 85 – 86 and 141 - 146	June 10, 2016
PSO output files that include hourly load LMPs for certain select load areas.	In support of slide 161	June 10, 2016
California generator starts	In support of slide 89	June 10, 2016
PSO outputs that include annual generation, fuel burn, CO2 emissions, and number of starts for every generating unit in the model and for every final scenario (5) and final sensitivity (4) executed in PSO	Some or all underlying data (but more work papers will be provided at a later time) for slides 11–12, 89, 112–113, 116–119, 148–150, 152–158, 163–167	June 3, 2016
Ratepayer impact calculations	In support of slides 8, 107–110	June 10, 2016

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Workbook with unit-level details on production cost and CO2 emission results presented during the 5/24/2016 stakeholder meeting	In support of slides 11–12, 87, 112–113, 116–119, 147–150, 152–158, 163–167	June 10, 2016
GMC calculations	In support of slides 106 & 204	June 10, 2016
Additional work papers related to the 5/24/2016 stakeholder meeting		June 10, 2016

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E3

Material	Notes	Dates
Renewable Resource Cost and Performance	Capital costs, capacity factors and simulated PPA prices for each technology and location	June 3, 2016
Energy Storage Cost and Performance	Capital cost and performance assumptions for each technology type	June 3, 2016
Transmission Costs	Support for Slides 54 and 55 of stakeholder presentation	June 3, 2016
Load inputs + DG	Retail sales in GWh, with line items for energy efficiency, behind the meter distributed generation, and electric vehicles for the base case and sensitivities.	June 3, 2016
Results	Results tables with MW and GWh selected by technology and location, PPA prices, transmission costs, and curtailment for base case and sensitivities.	June 3, 2016

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BEAR

Material	Notes	Dates
<p>Inputs used for Economic Analysis</p> <ul style="list-style-type: none"> - Census microdata decile calculation in BEAR model social accounting matrix - BLS Consumer Expenditure Survey microdata for household expenditure disaggregation in BEAR model social accounting matrix - Description of BEAR sector/commodity aggregation - Census data used for downscaling state results to disadvantaged communities - Data for estimating direct jobs from in-state renewable buildout - State-wide labor force data for base year - Cal-EnviroScreen data for identifying DC's - Spreadsheet with macro data on DC regions 		<p align="center">June 3, 2016</p>
<p>Analysis Outputs</p> <ul style="list-style-type: none"> - Spreadsheet of reported BEAR model results w/ variable key - Spreadsheet with DC results by census tract 		<p align="center">June 3, 2016</p>
<p>Technical Documentation</p> <ul style="list-style-type: none"> - BEAR model technical report and slides of model essentials - Methodology for assessing impacts on disadvantaged communities - IMPLAN data overview 		<p align="center">June 3, 2016</p>

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ASPEN

Material	Notes	Dates
Study area boundaries	Geo-referenced polygons File format (.kmz and GIS shapefiles)	June 3, 2016
Incremental renewable procurement by CREZ (MW and acreage requirement)	In support of slides 77 to 80, and 87. File format (.xls)	June 3, 2016
Water Use Calculation - CA and OOS water use for construction and operations -	Shows PSO result of GWh (as input): Aggregated into a CA total and OOS total Generators: Aggregated into technologies File format (.xls)	June 10, 2016
Emissions Calculations (CA) - CA natural gas fleet, statewide NOx, PM2.5, SOx emissions calculations -	Shows PSO results of GWh, MMBtu, unit starts (as input): Aggregated into a CA total Generators: Aggregated into natural gas unit types	June 10, 2016