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SB 350 Integrated Resource Planning Interagency Workshop

April 17, 2017

California Air Resources Board



Interagency Process

- SB 350 requires ARB to establish targets in coordination with CPUC and CEC
- CPUC and CEC have significant and equal roles in establishing sector and individual LSE/POU planning targets
- Each energy agency has its own required process
- The three agencies will facilitate a joint informal public process
 - Avoids duplication and streamlines process for agencies and stakeholders
 - Workshops will be attended by staff from the three agencies, even if not noticed as joint workshops
 - Agencies will collaborate on public materials and jointly review comments and stakeholder feedback as appropriate
- ARB website links to energy agency websites on this process and provides access to public workshop meeting details

Tentative Schedule

- ▣ Spring 2017: Release Final Proposed Scoping Plan
- ▣ June 2017: Final Board consideration of Scoping Plan
- ▣ Late 2017: ARB Board Consideration of SB 350 Sector and Individual Planning Targets

Proposed Bottom-Up Methodology for Basis for Estimating LSE/POU Targets

- Calculate the greenhouse gas emissions (metric tons CO₂e) associated with the electricity served by each electrical distribution utility noted in the Cap-and-Trade Regulation
- Utilize projections from the following resources:
 - CEC's 2015 IEPR demand forecast (load)
 - 2015 S-2 resource plans (generation sources)
 - IRPs and other data sources (only for utilities that do not submit S-2s)
- Further details can be found in <https://www.arb.ca.gov/regact/2016/capandtrade16/attachc.pdf> and <https://www.arb.ca.gov/regact/2016/capandtrade16/2021-2030-edu-allocation.xlsx>. For each utility, the spreadsheet cell proposed for use is the 2030 value for EDU-Specific Emissions (MTCO₂e).

Calculation of Basis for Estimating LSE/POU Targets

- Emissions are calculated from natural gas (0.4354 MTCO₂e/MWh) resources and solid fuel resources (uses generator-specific emission factors and IPCC AR4 global warming potentials)
- Natural gas generation is calculated as follows:
(generation for load) – (solid fuel generation) – (zero-emissions generation)
- Zero-emission generation is calculated based on each utility meeting the 50% RPS requirement in 2030 (applied to sales projections) and any additional zero-emission resources not covered under RPS
- Load served by natural gas is assumed to never drop below 5 percent
- LSE/POU target estimation does not utilize a cap adjustment factor