

April 6, 2015

Summary of California Pathways Scenario Data, input and output data spreadsheets

This document summarizes the contents of the Excel spreadsheets that have been provided to supplement the California PATHWAYS (v.2.3.1) scenario results produced as part of the California State Agencies' long-term greenhouse gas reduction project. The PowerPoint report summarizing the scenario results and the zip folders containing these spreadsheets are located on the E3 website:

https://ethree.com/public_projects/energy_principals_study.php

The spreadsheets of results were updated on April 6, 2015 and replace all previous output files.

There are six data spreadsheets, summarized as followed:

- **Macro-level inputs.** File name: CA_Pathways_macro_inputs
 - This spreadsheet contains baseline input assumptions including: California population, number of households, commercial square footage, discount rate, vehicle miles traveled and fossil fuel prices and greenhouse gas emissions factors.
- **Supply-side inputs.** File name: CA_Pathways_supply_inputs
 - This spreadsheet contains supply-side input assumptions for the electricity, pipeline gas, biomass, CHP and fuel production modules. Also included are the intermediate model outputs of calculated energy prices by fuel type and scenario.

- **Demand-side inputs and non-energy, non-CO₂ GHGs.** File name:
CA_Pathways_DemandSide_inputs
 - This spreadsheet contains technology characterization data (performance and cost) for the residential, commercial, transportation and industrial sectors. Also included are intermediate model outputs of technology penetrations by stock for selected scenarios. This spreadsheet also contains greenhouse gas emissions data by scenario for the non-energy, non-CO₂ module.
- **Main outputs:** file name: CA_Pathways_Main_outputs
 - This spreadsheet includes scenario-level outputs for California-wide metrics including greenhouse gas emissions, energy demand and cost.
- **Summary of selected stock outputs:** file name:
CA_Pathways_Stock_outputs
 - This spreadsheet includes scenario-level outputs showing final stocks of appliances and vehicles.
- **Summary of selected electricity sector outputs:** File name:
CA_Pathways_Electricity_outputs
 - This spreadsheet includes scenario-level outputs for the electricity sector, including energy, capacity, average retail rates and revenue requirement and renewable integration metrics.