

Appendix F
Duty Cycle Approach

Hourly electric load average profiles for the residential, commercial, agriculture and water pumping, and industrial sectors were downloaded from the Southern California Edison (SCE) web page. In the cases in which more than one load profile was available due to the different current rates, an aggregate load profile weighted by power demand was determined and applied in that sector. The “Other” sector category was assumed to have the same profile as the commercial aggregated electric load profile. Those profiles were normalized and applied in the systematic approach to develop realistic DG scenarios, as explained in the main text. Figure F-1 through Figure F-4 show the average profiles provided by SCE. The application of these profiles in the realistic DG scenarios will produce variable DG emission inventories for each hour of the day.

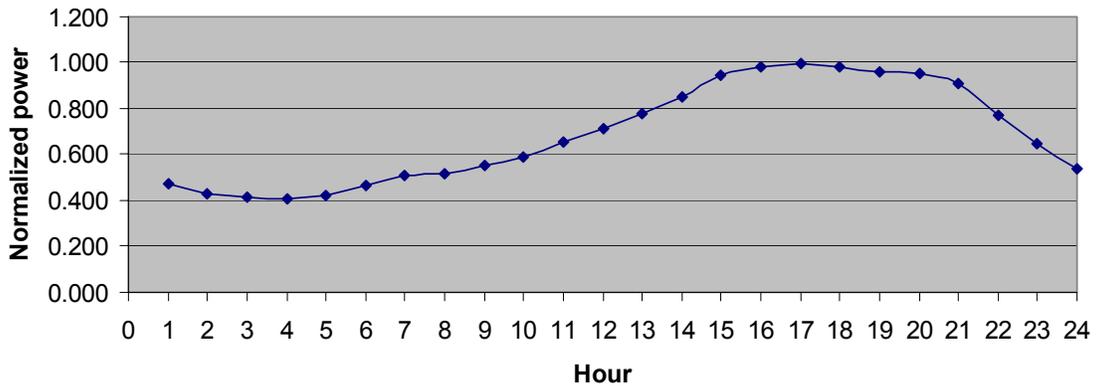


Figure F-1. Normalized hourly electric profiles for the SCE residential sector

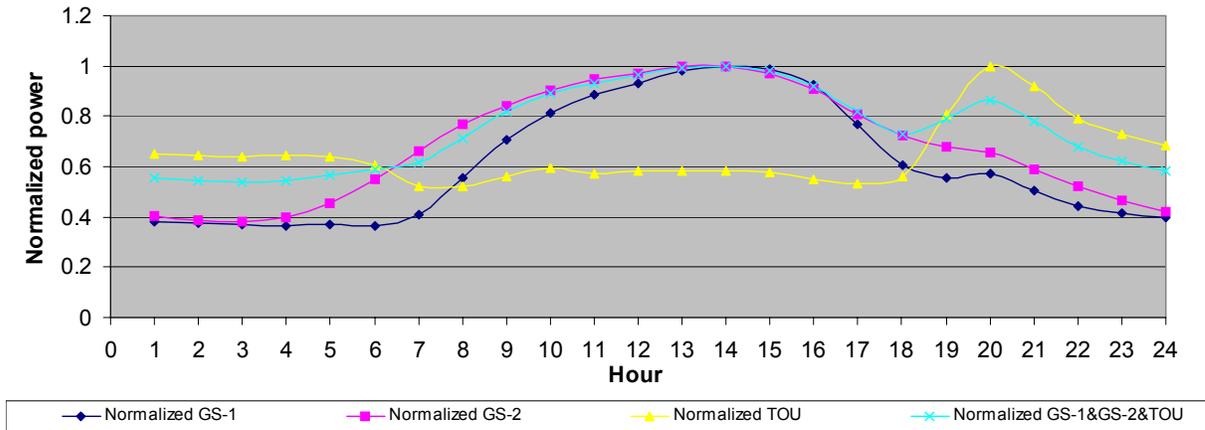


Figure F-2. Normalized hourly electric profiles for the SCE commercial sector

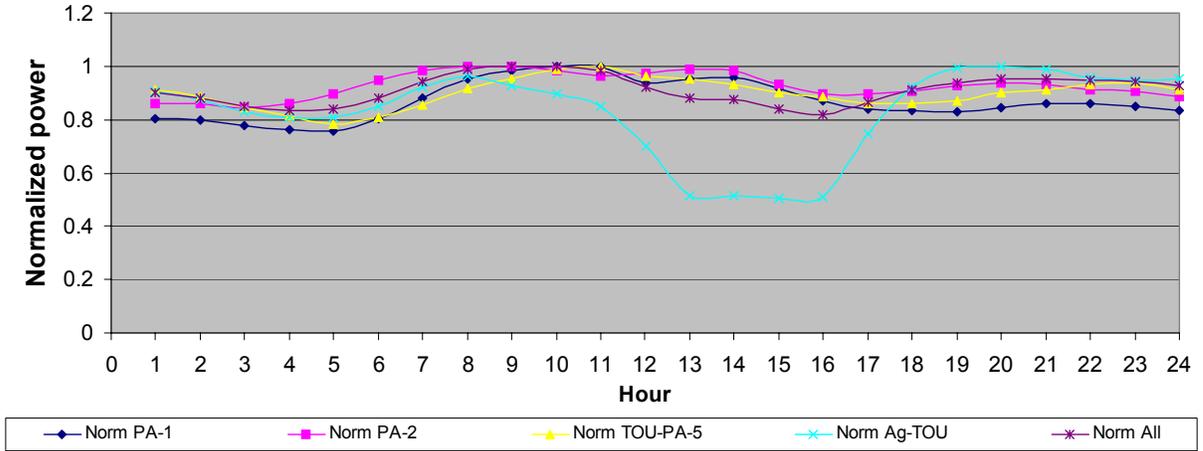


Figure F-3. Normalized hourly electric profiles for the SCE Agriculture and water pumping sector

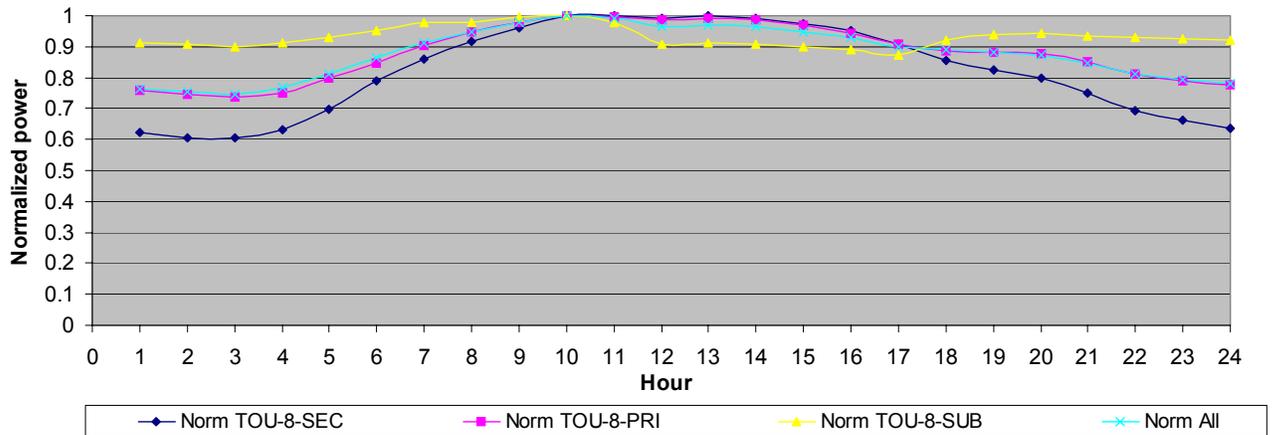


Figure F-4. Normalized hourly electric profiles for the SCE industrial sector