**Desired Efficiency Trend scenario description:**

This scenario represents one in which the future is as modelled in the ‘default’ case - i.e. all inputs are as in the ‘Default Data’ folder, except for specific energy consumption (SEC). For SEC, this scenario represents a desired trajectory of efficiency improvement which is a bit more aggressive than the default case. This is modelled as follows:

* These notifications are expected to be updated roughly every four years for all appliances (including fans – unlike in the default case).
* The ‘market efficiency’ – i.e. the efficiency actually experienced in appliance usage – is assumed to be 80% of the notified efficiency. For fans, it is assumed to be 90% of the notified efficiency.
* Consumers migrate gradually over time – but a little faster than in the default case – to higher-star rated appliances. The share of consumers purchasing the least efficient of the 3 levels reduces by 5% each year and the share of those purchasing the most efficient of the 3 levels increases over time to compensate. This affects the EfficiencySplitRatio parameter.
* All other aspects of SEC are the same as in the default case.
* Given greater efficiency and behavioural changes in this scenario, it is assumed that RES\_OTHER demand will also grow somewhat slower in this scenario than in the default.
* Note that all the above changes only kick in from FY2025 though the file is modelled to compute SEC from FY2022. So, for FY22-FY24, SEC and RES\_OTHER are identical to the default case; and the above changes are only relevant from FY25.

**Scenario specific source data files:**

* Res-ST-SEC.xlsx
* Res-ST-stock-flow-TSR-ELS.xlsx
* OtherResElecDemand.xlsx