# Policy Assumptions in the BAU Case for the Virginia EPS

## **Buildings**

* Energy efficiency
  + Data includes some endogenous improvement in equipment performance based on external market data (as described [here](https://www.nrel.gov/docs/fy18osti/70485.pdf)). It is unclear which, if any, EE policies are explicitly included. We can assume Virginia’s EE policies are **not** explicitly modeled, included things like building rebates.

## **Transportation**

* Fuel efficiency
  + Includes Corporate Average Fuel Economy Standards (CAFE) including the 2021-2025 phase 2 standards. Full text from [AEO](https://www.eia.gov/outlooks/aeo/assumptions/pdf/summary.pdf): *CAFE standards are increased for model years 2011 through 2016 to meet the final CAFE rulemakings for model years 2011 and 2012 to 2016. CAFE standards are increased for model years 2017 to 2025 to meet final CAFE joint rulemakings for model year 2017 to 2021 and to meet augural CAFE standards for model year 2022 to 2025, which will undergo a midterm evaluation to finalize. CAFE standards are held constant through the end of the projection period*
  + Includes Phase I and Phase II standards for HDVs. Full text from AEO: *HD National program Phase I and Phase II standards are modeled, with both engine and chassis technologies; compliance is modeled among 13 heavy-duty vehicle V regulatory classifications that represent the discrete vehicle categories set forth in the rule; the standards are held constant in model years after 2027*
* EV subsidies
  + Includes federal subsidies for EVs, weighted based on available credits and model availability

## **Industry**

* Non-energy emissions
  + No implementation of Kigali Amendment to the Montreal Protocol
* Industry energy
  + Data includes some endogenous improvement in equipment performance based on external market data (as described [here](https://www.nrel.gov/docs/fy18osti/70485.pdf)). It is unclear which, if any, EE policies are explicitly included. We can assume Virginia’s EE policies are **not** explicitly modeled, included things like building rebates.

## **Electricity**

* Renewable portfolio standard: The Virginia Clean Economy Act is **not** included in the BAU case.

## **Fuels**

* Carbon pricing: No carbon pricing assumed (i.e. did not build joining of RGGI into the BAU).