



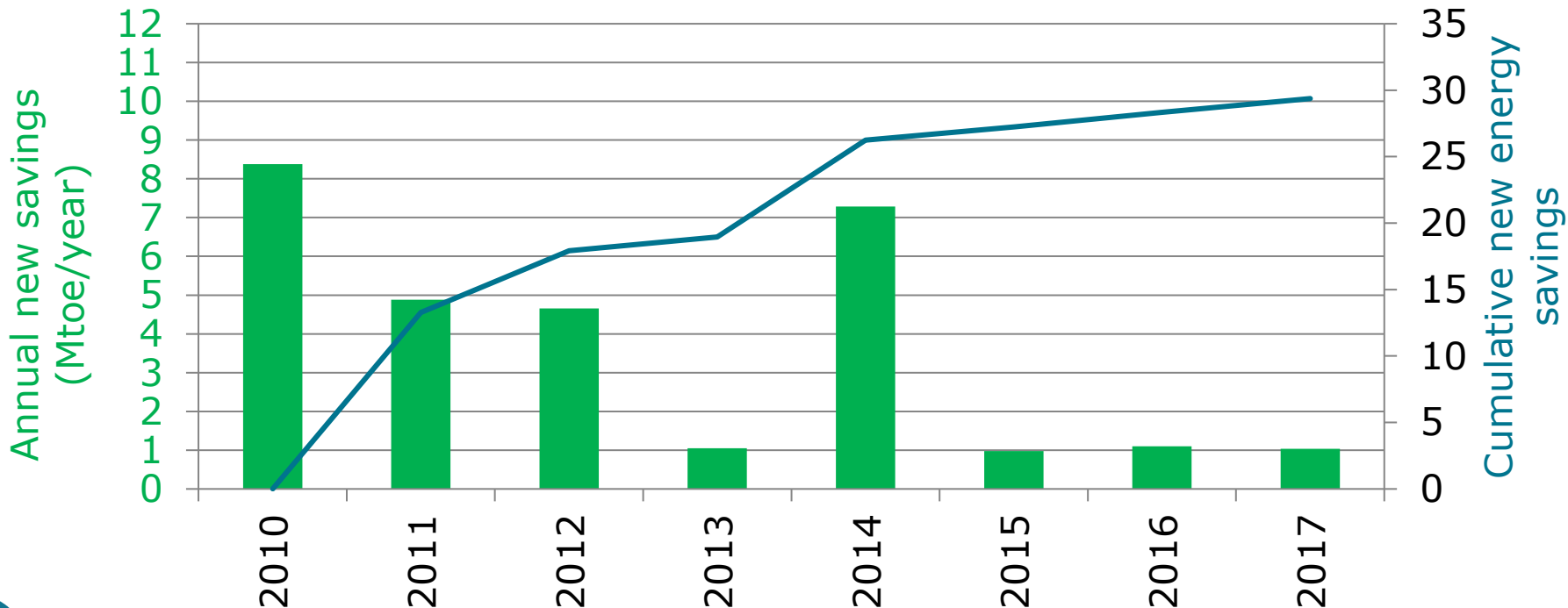
Energy savings at sector level in ODYSSEE

December 2019

Energy savings in ODYSSEE

- In ODYSSEE, energy savings are first calculated as **annual new energy savings** in reference to the previous year (**green bar**).
- These annual savings can be cumulated over a period (**blue line**). For instance, in 2017, “**cumulative new energy savings**” for households reached 30 Mtoe : this means that without savings since 2000, energy consumption would have been 30 Mtoe higher in 2017.

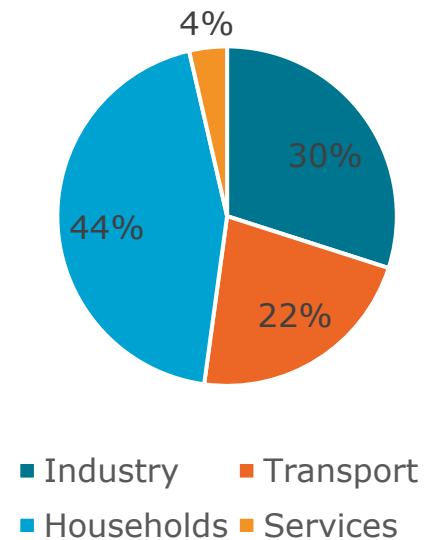
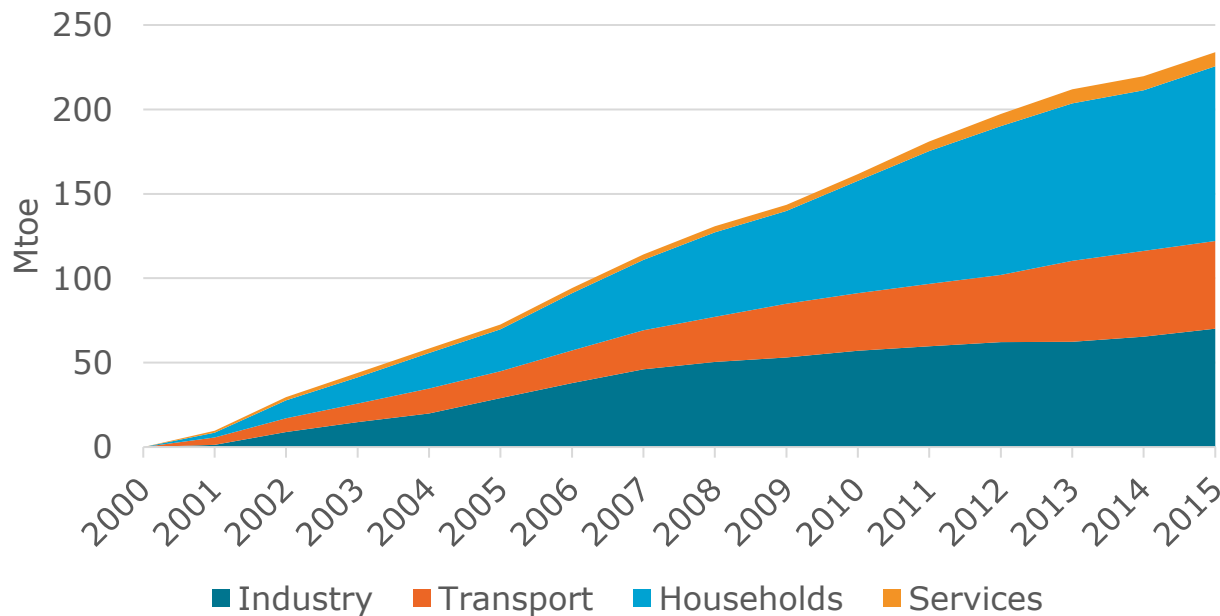
Different calculation of energy savings : case of households (EU)



Total annual final energy savings at EU level

- Around 230 Mtoe energy savings in 2015 since 2000 (i.e. 20% of final energy consumption).
- Without these savings the final energy consumption would have been 20% higher in 2015.
- Most of these savings come from households (44%), 30% from industry, 22% from transport and 4% from services.

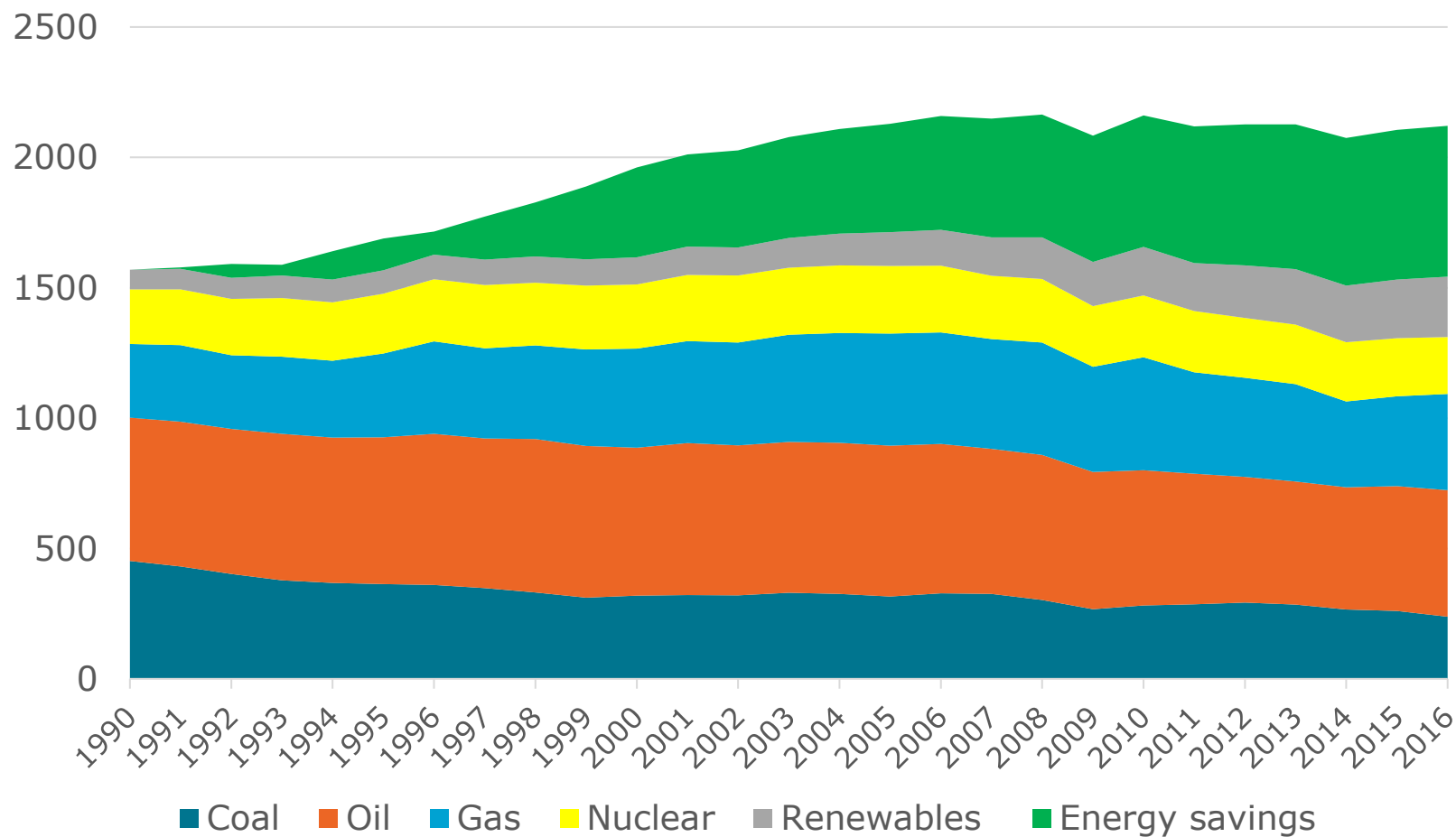
Cumulated new energy savings for all final consumers since 2000 (EU)



Energy savings first fuel over a 25-year period

Cumulated new savings can be used to show that energy savings are the first fuel in the primary energy consumption

Primary energy consumption by fuel and energy savings (EU, Mtoe)



Cumulated energy savings by period

- Energy savings can be cumulated over a period in 2 manners:
 - As the sum of annual new savings (“cumulated new savings”).
 - As the total cumulated amount of energy not consumed (as in Article 7 of EED) (“cumulated savings”).
- For instance, in 2017, cumulated new savings for households reached 30 Mtoe compared to 2000 (blue bar); but the total cumulated energy savings reached 160 Mtoe (red line)

Energy savings over a period: case of households (EU)

