

# ACS-SR Greenhouse Gas Protocol Summary

The presented documents describe the carbon footprint of Savannah River Section of the American Chemical Society (ACS-SR) for the years 1990 through 2018. This footprint is calculated using the procedures described in the World Resources Institute Working 9 to 5 on Climate Change: An Office Guide. [Reference 1]

Each year has its own report that consists of:

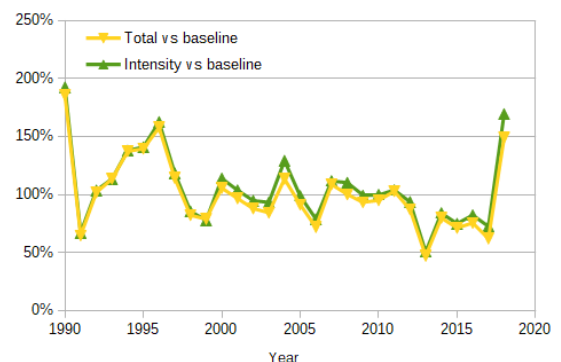
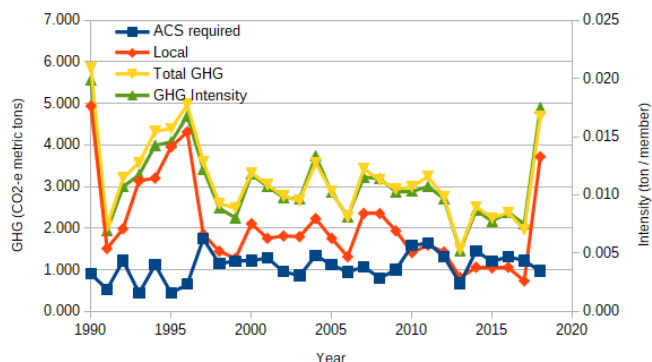
- the emissions in metric tons
- the emissions from each Scope:
  - Scope 1 – Direct Emissions from organization owned assets
  - Scope 2 – Indirect Emissions caused by purchased electricity
  - Scope 3 – Indirect Emissions caused by organization activities
- the performance of that year vs time, vs base-year, and vs any targets set
- context for any significant changes in emissions
- the method used to calculate the Greenhouse Gas (GHG) Emissions
- the organizational boundaries
- the operational boundaries
- audit statement

We define the baseline, from which we compare our past emissions (1990-2018) and track our future progress, as the median of emissions (3.151 tons) and intensity (0.010 ton/member) for the years 1990-2018.

From Fiscal Year 2019 and beyond, for reimbursed travel, on the required travel expense report we will require the travel mode. If automobile travel, the distance in miles will be required. If air travel, the airports of each flight-leg will be required information.

For member travel to local meetings, we used the number of meetings and attendees and the average round trip distance traveled. Since most of our events are held in either Augusta or Aiken, we used a total average round trip distance of 20 miles.

Intensity is determined by the number of members of the section on December 31<sup>st</sup> of the year being calculated.



## References

1. <https://www.wri.org/publication/working-9-5-climate-change>