PROGRAM INFORMATION:

List the departments and programs at your institution that are engaged in atmospheric and related sciences.

Except for a traditional undergraduate meteorology program within the School of Geographical Sciences and Urban Planning (plus undergraduate and graduate programs in climatology), atmospheric and related sciences are spread throughout a number of schools and departments at ASU. The unifying element for atmospheric and related sciences is the Julie Ann Wrigley Global Institute of Sustainability (GIOS), which unites all sustainability efforts. Additional relevant programs include:

School for Engineering of Matter, Transport and Energy (chemical and mechanical engineering)
Schools for Sustainable Engineering and the Built Environment (civil and environmental engineering)
School of Molecular Sciences (chemistry)
School of Mathematical and Statistical Sciences (atmospheric modeling in the applied math program)
School of Earth and Space Exploration (geology, geochemistry and planetary science)
Policy research related to climate are in the School of Sustainability and School of Geographical Sciences and Urban Planning

Indicate the total number of tenure-track and non-tenure-track faculty in the departments and programs listed above who are involved in atmospheric and related sciences.

Those faculty most closely involved with atmospheric and related science number 29. All but one of these are also associated with the Global Institute of Sustainability as Distinguished or Senior Sustainability Scientists. At least another equal number of faculty associated with GIOS have some involvement with research and teaching in related sciences.

List the relevant degrees, certificates, and other educational programs offered in the atmospheric and related sciences at your institution. BA, BS, BSE, MA, MS, MSE, PhD, Graduate Certificate in Atmospheric Science

How many undergraduate degrees were awarded in atmospheric and related sciences during the last eight years? 113

How many graduate degrees were awarded in atmospheric and related sciences during the last eight years? 52
PROGRESS IN ATMOSPHERIC AND RELATED SCIENCES:
Indicate your institution's progress and contributions in the atmospheric and related sciences within the last eight years. Check all that apply.

- Produced refereed and/or non-refereed publications
- Produced textbooks or other teaching materials
- Received external funding
- Participated in scientific societies

Briefly describe any additional contributions or information you wish to share with the committee. (optional)

The unifying element at ASU for all sustainability science and policy studies, including atmospheric sciences, is the Julie Ann Wrigley Global Institute of Sustainability.

The number of undergraduate degrees in atmospheric and related sciences does not include quite a few students who graduated from ASU and went on to graduate studies in atmospheric science. For instance, a number of chemistry undergraduates received BS degrees in chemistry and went on to study atmospheric chemistry elsewhere; it is difficult to quantify so these students are not included in the above figures.

Graduate degrees in areas related to climate policy have not been included in the graduate degree figures.

PARTICIPATION IN UCAR ACTIVITIES:

How many of the last eight Annual Members Meetings has at least one Member Representative from your institution attended? 8

If applicable, list the UCAR Governance Committees that your faculty and staff have served on during the last eight years.

Scientific Programs Evaluation Committee
Members Nominating Committee

If applicable, list the NCAR Advisory Committees or Panels that your faculty and staff have participated in during the last eight years.

If applicable, briefly list UCAR/NCAR facilities and/or resources used by your faculty, staff, and students during the last eight years.

Research Aviation Facility, Weather Research and Forecasting (WRF) Model resources, EOL Data Services, other NCAR/UCAR data archives and services.

If applicable, briefly list examples of collaborative research activities with UCAR/NCAR staff by your faculty, staff, and students during the last eight years.

Several of our faculty members are active in WRF development activities. One faculty member has participated in programs utilizing the NCAR C-130 aircraft and participated in proposals for future such projects.
Several joint research proposals to NSF involving UCAR, NCAR and ASU personnel have been submitted over the last eight years.

If applicable, list participation in any other UCAR/NCAR activities by your faculty, staff, and students during the last eight years that are not already indicated above.