Climate Research Roadmap:
Annual Report Highlights

Selected accomplishments

- 360 papers, presentations, and other products submitted for review from across the ORD programs
  - 62 peer-review papers published, additional 52 submitted
  - Publication of special issue of *Inhalation Toxicology* covering ORD research on biofuels-related health effects
- Climate-health assessment published; major ORD contributions to air quality chapter
- Progress on methane measurement methods to support OAR and Administration priorities; significant advance in understanding of methane from reservoirs
- $10M in STAR grants awarded, including $6M for expanded ACE Research Centers that integrate air quality and climate
- Climate Roadmap substantially revised in response to BOSC comments

On-going activities across research programs

- Dynamic downscaling of climate data developed for ACE air quality models being incorporated into SSWR water quality studies

- Coastal acidification research in ACE and SSWR integrated to expand capabilities

- Resilience frameworks and Indicators developed in collaboration across ACE, SHC, and HS programs

- Climate impacts on nitrogen cycle connects to work under Nutrient Roadmap

- Climate-health research in ACE addresses vulnerable populations; contributes to EJ and Children's Health Roadmaps

- Tribal input in development of methodology to incorporate temperature into TMDL actions supports EJ and citizen science efforts

The Year Ahead

- Climate-health: cross-EPA, cross-Program meeting to evaluate needs and opportunities for research and collaboration; drawing from wildfire initiative
- Climate data: workshop set with OW and OLEM to discuss tools and approaches for selecting and using climate projection data
- USGCRP National Climate Assessment: 17 sectoral and response chapters have 3 ORD convening lead authors and 2 other EPA CLAs
- Climate-water assessment: initial drafts developed, working with OW on policy connections
- PACTs: Expanding opportunities for interactions with EPA partners and across programs