**UNITED STATES DEPARTMENT OF COMMERCE**

**National Oceanic and Atmospheric Administration**

National Weather Service

National Centers for Environmental Prediction Environmental Modeling Center

5830 University Research Ct, College Park, MD 20740

MEMORANDUM FOR: THROUGH:

FROM:

Kenneth Harding

Chief Operating Officer, National Weather Service (NWS)

Michael R. Farrar

Director, National Centers for Environmental Prediction (NCEP)

Ivanka Stajner

Acting Director, Environmental Modeling Center (EMC)

SUBJECT: Domestic Travel for Jianping Huang to the 23rd CMAS Annual

Conference, October 21-23, 2024, Chapel Hill, NC.

Jianping Huang will attend the 2024 CMAS conference on October 21-23, 2024. Dr. Huang will present the AQM team’s work titled *Development of an advanced regional air quality online prediction systems within the Unified Forecast System (UFS) framework* at the conference.

The following goals will be addressed (list 3-4 objectives of what NOAA gains from traveler’s

attendance):

1. **Showcase NOAA EMC’s UFS-AQM Online Prediction System**

Present the latest advancements, progress, and plans of NOAA's Environmental Modeling Center (EMC) in the development of the air-quality prediction system.

2. **Engage with USEPA and Research Community**

Communicate with representatives from research community and other Federal agencies such as USEAP to learn about their advanced techniques and improvement of the CMAQ model and findings that enhance model performance of wildfire predictions and their impact on ozone and fine particulate matter forecasts.

3. **Incorporate Leading Research into Model Development**

Gain access to the latest findings, methodologies, and innovations in model development from leading research, and better understand the sources of anthropogenic emissions and other natural sources such as dust storms and wildfires predictability to benefit the development of the air quality forecast system in EMC.

Other NOAA/NWS participants: N/A

Jianping Huang will not be taking any personal time while in Chapel, NC. EMC base funds will pay for this travel. The orders of the trip are being submitted for COO signature. All NTR have been met.

[Traveler Name] has an official passport and a visa required. [ Traveler Name ]

[is/is not]

[ will/ will not ] be taking any personal time while in [ Location Name ] . EMC base funds will pay for this travel. This foreign travel package was submitted to W/IA within the required time frame. Simultaneously, these orders are being submitted for COO signature. All NTR have been met.

