Invitation for Public Comment on the List of Candidates
For the Environmental Protection Agency's
Clean Air Scientific Advisory Committee

June 11, 2018

The U.S. Environmental Protection Agency (EPA) Science Advisory Board (SAB) Staff Office announced in a Federal Register Notice on March 21, 2018, (83 FR 12383-12384) that it was inviting nominations of experts to be considered for the Administrator's appointment to the Clean Air Scientific Advisory Committee (CASAC). The CASAC provides independent advice, information and recommendations to the EPA Administrator on the scientific and technical aspects of air quality criteria and National Ambient Air Quality Standards (NAAQS). The SAB Staff Office sought nominations of experts to serve on the CASAC with expertise in: Air quality, biostatistics, ecology, environmental economics, environmental engineering, epidemiology, exposure assessment, medicine, risk assessment, and toxicology.

The SAB Staff Office received nominations for the attached 36 candidates based on their expertise and willingness to serve. We hereby invite public comments on the attached List of Candidates under consideration for appointment to the CASAC. Comments should be submitted to Mr. Aaron Yeow, Designated Federal Officer, at yeow.aaron@epa.gov no later than **July 2, 2018**. E-mail is the preferred mode of receipt. Please be advised that public comments are subject to release under the Freedom of Information Act.

Crawford,James

NASA

Dr. James H. Crawford is a Senior Research Scientist at NASA, serving as the agency lead for tropospheric chemistry. In this capacity he provides leadership for national and international airborne field studies that collect detailed measurements of atmospheric composition to identify human and natural impacts related to gaseous and particulate pollution. These observations are critical to understanding the emissions, chemistry, and dynamics that underlie air pollution events. An important focus of Dr. Crawford's work has been to improve the interpretation and application of satellite observations for air quality through integration with surface monitoring, aircraft observations, and air quality models. In conducting these studies, Dr. Crawford has collaborated with federal and state air quality agencies in California, Colorado, Maryland, and Texas, always drawing on local advice and experience to ensure that flights are executed to advance current understanding of the unique issues faced by each locality. He currently serves on the Advisory Panel of the Texas Air Quality Research Program. He has authored over 130 peer-reviewed publications on the chemistry of the lower atmosphere including photochemical production of ozone and particulate matter, carbon monoxide and atmospheric transport, and near-surface vertical gradients in reactive nitrogen oxides, formaldehyde, and ozone production. Dr. Crawford has also coordinated special issue publications of air quality findings in EM magazine, targeted to air quality decision makers, and he has served as the atmospheric chemistry editor for the Journal of Geophysical Research-Atmospheres since 2013. A current member of the International Global Atmospheric Chemistry (IGAC) project Steering Committee, Dr. Crawford will assume the IGAC co-Chair role in 2019. Dr. Crawford was selected for a Presidential Early Career Award for Scientists and Engineers in 2001. He has also received NASA's highest honors, the Outstanding Leadership Medal, and NASA's Exceptional Achievement Medal for sustained scientific contributions to NASA's Tropospheric Chemistry Program. His current research interests include the photochemistry of tropospheric ozone and free radicals, the global budget of reactive nitrogen, the influence of clouds on trace gas transport and chemistry, and the use of satellites to study long-range pollution transport and air quality. Since 2010, Dr. Crawford has led a series of air quality focused field studies across the United States (DISCOVER-AQ) and in South Korea (KORUS-AQ) to understand local and transboundary influences on air quality and to prepare for geostationary satellite observations of air quality planned by Korea and the U.S. in the early 2020s. Dr Crawford received his Ph.D. in Atmospheric Chemistry from Georgia Institute of Technology, and his B.S. in Mathematics from the United States Military Academy.

DeFelice,Tom

In Progress

Dr. DeFelice is currently a consultant to NOAA and NASA federal service sector small businesses, while taking management courses to maintain his PMP certification. He has submitted a US Utility Patent pending application, involving the use of UAS w/autonomous, adaptive control, and on-board environmental sensors. Dr. DeFelice has a PhD in Atmospheric Science from N.C. State University, MS Atmospheric Physics from DRI/UNR, and a BS in Math and Atmospheric Science from SUNY at Albany. He has performed air quality, meteorology, atmospheric chemistry (aqueous & gas phases) measurements on an EPA project that funded his PhD work. Dr. DeFelice taught wet and gas phase atmospheric chemistry, cloud physics, remote sensing of aerosols, plus meteorological instrumentation and measurement at the University Senior/Grad student level. His university level teaching included mentoring a Graduate student who's research involved Air Pollution Control Technology development. Dr. DeFelice has authored 40+ relevant peer-reviewed publications, and a college text-meteorological instrumentation & measurement. He has been an editorial board member of Atmospheric Research since 2000, and Atmospheric and Solar-Terrestrial Physics. Dr. DeFelice's expertise and research activities are focused on atmospheric science, cloud and aerosol physics and chemistry, meteorological measurements and the effect of aerosols on atmospheric and other processes(biosphere, geosphere, hydrosphere), and the effect of cloud systems on the environment. He has over 20 years of experience relevant to air quality, mainly focused on investigating aerosol characteristics and cloud system-aerosol interactions. Dr. DeFelice led an unbudgeted full cycle validation infrastructure project created per Data Qual. Act 2000, which today still serves as a focal point for research studies and public outreach at EDC. He supported air quality studies of APHC focusing on meteorology and aerosol (chemical & physical) measurements, their analysis and their effect on soldier. Dr. DeFelice has served on advisory committees not supported by the SAB staff office and professional societies, for example, 2+ years on an International Commission for the Ministry of Agriculture, Mendoza, Ar. He also served as a member of the ARL biosafety committee for 3 yrs. Dr. DeFelice has served on the American Society of Civil Engineers, Environmental Water Resources Institute Atmospheric Water Management Standards Committee since 1994 which included serving as its chair and secretary.

Enstrom,James E.

Scientific Integrity Institute

Dr. James E. Enstrom is a retired Research Professor/Researcher from the School of Public Health and Jonsson Comprehensive Cancer Center at the University of California, Los Angeles. He is President of the Scientific Integrity Institute in Los Angeles. He received his BS in physics from Harvey Mudd College, an MS and PhD in elementary particle physics from Stanford University, and a MPH and postdoctoral certificate in epidemiology from UCLA. Dr. Enstrom has authored, primarily as first or sole author, about 50 peer-reviewed articles and book chapters on physics, epidemiology, and scientific integrity. He has received research funding from many sources, including NIH, ACS, UC, private foundations, industry sources, and personal donations. He has received no funding recently, but is still conducting original epidemiologic research by using personal assets in innovative and cost-effective ways. He has taught graduate classes on environmental health science. He has given numerous lectures on epidemiology and ethics. He has published important articles relating good health practices to reduced mortality and recently has shown that fine particulate matter (PM2.5) is not related to total mortality in the ACS Cancer Prevention Study cohorts (CPS I and CPS II). He is the only independent scientist to obtain and analyze original CPS cohort data. His research shows that the EPA PM2.5 NAAQS is scientifically unjustified and must undergo complete and objective reassessment. His Scientific Integrity Institute website contains thousands of documents on air pollution epidemiology, lifestyle epidemiology, scientific integrity, and critiques of regulations, many of which contain his own research and analysis. He understands air pollution health effects research from the perspectives of both physics and epidemiology and maintains the highest level of integrity. He is a Life Member of the American Physical Society, a Founding Fellow of the American College of Epidemiology, and a current member of the ACE Ethics Committee. In 2015 he received the Heroes of Conscience Award from the American Freedom Alliance in Los Angeles.