2018 *EM* Editorial Calendar

Issue	Topic	Editorial Deadline
January	**Topic: Global Air Quality** *Coordinators: John Bachmann and Rob Pinder (EPA)* *Description:* Over the past 40 years, the United States has achieved incredible improvements in air quality and human health. This success can be attributed to a pioneering approach to air quality management with cooperation among state, local, and federal governments. Yet globally, air pollution still is responsible for more than 5 million deaths each year. The U.S. Environmental Protection Agency (EPA) and other federal partners are working with governments around the world to improve air quality management by exporting knowledge and capabilities, including technology transfer, policy best practices, and capacity building. Articles will explore aspects of these efforts around the globe.	**October 16, 2017**
February	**Topic: Environmental Education** *Coordinator: Anthony Sadar* *Description:* A look at undergraduate and graduate university environmental programs focusing on air and waste management in the United States and abroad. The course work, field experiences, and internships related to such programs will be addressed, along with expectations for future opportunities and trends in higher education. Technical (2-year) vs. professional (4-year) educational track will be explored as will related employment opportunities. High-school AP environmental science coursework also will be discussed.	**November 15, 2017**
March	**Topic: Waste** *Coordinator: David Minott* *Description:* This issue will focus on the various aspects of sustainable waste management, including waste prevention/minimization, recycling, and beneficial re-use of waste materials, energy recovery from waste, and disposal practices such as modern landfilling. Waste management issues of interest will include technology advances and operating practices, sustainability measures, as well as federal/state regulatory and policy changes.	**December 15, 2017**

April	**Topic: Climate Policy** *Coordinators: Bryan Comer and Keith Gaydosh* *Description:* The Paris Agreement marks the beginning of a new chapter in global climate policy. The Agreement aims to keep global warming to well below 2 degrees C above pre-industrial levels and to pursue efforts to limit the increase to 1.5 degrees C. As of July 2017, 195 of 197 parties to the United Nations Framework Convention on Climate Change have signed the agreement and 153 countries have ratified it. In 2017, President Donald Trump pulled the United States out of the Paris Agreement, leaving the world to wonder what the second largest greenhouse gas emitter will do, if anything, to fight global warming. Additionally, the Agreement specifically excludes the international aviation and shipping sectors, leaving the UN International Civil Aviation Organization (ICAO) and the UN International Maritime Organization (IMO) to develop their own plans. This issue will discuss the Paris Agreement, the new direction of U.S. climate policy, and how the international shipping sector can reduce its climate impacts.	**January 15, 2018**
May	**Topic: Sustainability Analytics** *Coordinator: Raghavan Ramanan* *Description:* Advances in enterprise systems are making it feasible for corporations to track and transform sustainability performance. The materiality of these seemingly non-economic impacts is the critical link between sustainability and business strategy. Business analytics enable organizations to convert raw data into actionable insights to achieve their sustainability goals. Sustainability analytics analyze the data and provide insights that help transform sustainability information into action across the value chain and life cycle. This issue will provide business leaders with insight into how to determine which sustainability metrics are material to them and relevant to their business.	**February 16, 2018**
June	***Annual Conference Issue*** **Topic: Transportation** *Coordinator:Teresa Raine and Brian Noel* *Description:* A look at a range of transportation issues, including electric (zero-emission) vehicles, natural gas vehicles, public transportation, the MOVE model, and the VW settlement. The issue will complement the 2018 A&WMA Critical Review on “Trends in Transportation: Energy, Emissions, and Impacts” by H. Christopher Frey.	**March 16, 2018**

July	**Topic: EMS Rule Change** *Coordinator: Robert Basl* *Description:* Many forward thinking companies have opted to implement environmental management systems (EMSs) that conform to the ISO 14001 International Standard. The standard was substantially revised in September 2015. Those wishing to certify their systems to the revised standard must do so by September 2018. This issue will review key changes in the ISO 14001:2015 Standard, including strategies for improving and EMSs and integrating with other business systems to gain more value.	**April 16, 2018**
August	**Topic: Oil and Gas Production** *Coordinator: Teresa Raine* *Description:* The oil and gas industry faces a wide range of environmental compliance obligations for their facilities just from the nature of those facilities. Midstream oil and gas facilities must consider permitting and regulatory applicability for traditional stationary combustion sources, fugitive emissions from transmission and operations, and environmental impacts during construction of new or modified facilities. This issue will discuss regulatory challenges and opportunities for the midstream oil and gas sectors that must coordinate local, state, and federal requirements from multiple agencies.	**May 16, 2018**
September	**Topic: SO2, NO2 and PM NAAQS Update** *Coordinator:John Kinsman* *Description:* This issue will provide an update on the three National Ambient Air Quality Standards (NAAQS), both primary and secondary, for sulfur dioxide, nitrogen oxides, and particulate matter. It will address implementation of the current standards and ongoing U.S. Environmental Protection Agency (EPA) efforts to review the standards. EPA has proposed to retain the 2010 NO2 NAAQS and is working on its review of the sulfur dioxide and particulate matter NAAQS last revised in 2010 and 2012, respectively.	**June 15, 2018**

October	**Topic: Air Quality Modeling** *Coordinators: Leiran Biton and Golam Sarwar* *Description:* The U.S. Environmental Protection Agency (EPA) has completed its modeling guideline updates, but new advances in air quality modeling may spur additional changes. Interest in effectively modeling low wind, improved treatment of porous structures and more complex buildings, incorporating scientifically credible, reduced-form chemical mechanisms into dispersion modeling to assess secondary formation, and formulation of next generation modeling systems for chemical transport models are driving air quality modeling in new directions.	**July 16, 2018**
November	**Topic: Reactive Nitrogen Deposition** *Coordinators: John Walker (EPA), Gregory Beachley (EPA), and Prakash Doraiswamy* *Description:* A look at the state of the science with respect to total nitrogen (N) deposition budgets in the United States and the research needed to improve these budgets. This issue is intended to provide program managers, natural resource managers, policy-makers, and scientists with a better understanding of the need for complete and accurate N deposition budgets to protect ecosystem health and human welfare, as well as the linkages between the underlying policy-relevant science questions and the knowledge gaps that must be addressed.	**August 15, 2018**
December	**Topic: Ozone** *Coordinators: Susan Wierman, John Kinsman, and Leiran Biton* *Description:* Major developments in ozone management will be discussed, including questions about whether and how the 2015 ozone standard will be implemented, significant changes to the PAMS ozone monitoring network, and jostling between federal and multiple state authorities regarding ozone transport. This issue will draw connections between critical issues in ozone management and focus broadly on issues states must grapple with in addressing these developments.	**September 14, 2018**