



**2018 ECOS Silver Anniversary Fall Meeting**  
**25 Years of Progress**  
**August 27-30**  
**Stowe Mountain Lodge**  
**Stowe, Vermont**  
 #ECOSilverAnniversary  
 Items Shaded in Green are Closed Sessions.

**Monday, August 27**

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| 3:30 – 4:00 p.m.<br>(arrive by 3:15 p.m.) | <b>Pre-Meeting Outing: Ben &amp; Jerry’s Ice Cream Factory Tour</b><br>No visit to Vermont is complete without a taste of Ben and Jerry’s ice cream! Located on the way from the Burlington International Airport to Stowe Mountain Lodge, the factory is a perfect side trip for those arriving before the hotel’s 4 p.m. check-in. ECOS will cover the cost of the tour, and transportation should be individually arranged. Space is limited, with participation on a first-come, first-served basis. RSVP for yourself and any guests with Megan Swanson (mswanson@ecos.org). | 1281 Waterbury-Stowe Rd., Route 100<br>Waterbury, VT 05676 |
| 4:30 – 6:30 p.m.                          | <b>Closed Session: ECOS and U.S. EPA Oversight Workgroups</b><br><i>Open to workgroup members.</i>  | Tamarack E   |
| 5:00 – 6:00 p.m.                          | <b>Early Registration Open</b><br><i>Check in at the registration desk and stop by the IT desk for help installing your meeting app.</i>  | Foyer  |

**Tuesday, August 28**

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| 7:15 a.m.        | <b>Registration Desk Open</b><br><i>Check in at the registration desk and stop by the IT desk for help installing your meeting app.</i> | Foyer        |
| 7:15 – 8:45 a.m. | <b>Continental Breakfast</b>  | Jr. Ballroom |
| 7:30 – 8:30 a.m. | <b>Side Session Option 1: ECOS Shale Gas Caucus</b><br><b>What’s in Produced Water – Advances in</b>                                    | White Pines  |

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|                   | <p><b>Characterization &amp; Toxicity Determination</b></p> <p>Open to all Fall Meeting attendees, this session continues the SGC’s cross-media series on produced water, air, and alternative compliance pathways. ECOS members will report on efforts to build epidemiological understanding of produced water, including a new Colorado study. SGC partners will be on hand to discuss the state of the science. A separate continental breakfast will be available.</p> <ul style="list-style-type: none"> <li>❖ David Glatt, ECOS SGC Co-Chair and Chief, Environmental Health Section, North Dakota Department of Health (moderator)</li> <li>❖ Martha Rudolph, ECOS SGC Co-Chair and Director of Environmental Programs, Colorado Department of Public Health &amp; Environment</li> <li>❖ Scott Thompson, ECOS Waste Committee Vice Chair &amp; Region 6 Executive Committee Representative and Executive Director, Oklahoma Department of Environmental Quality</li> <li>❖ Nichole Saunders, Attorney, U.S. Climate &amp; Energy Program, Environmental Defense Fund</li> </ul> |              |
| 7:30 – 8:30 a.m.  | <p><b>Closed Side Session Option 2: ECOS Federal Facilities Forum</b></p> <p><i>Open to states and invited guests and led by Shari Meghreblian, FFF Co-Chair and Commissioner, Tennessee Department of Environment &amp; Conservation, and Greg Lovato, FFF Co-Chair and Administrator, Nevada Department of Environmental Protection. A separate continental breakfast will be available.</i></p>   | Tamarack E   |
| 8:45 – 9:45 a.m.  | <p><b>Plenary Session: Welcome &amp; Introductions</b></p> <ul style="list-style-type: none"> <li>❖ Call to Order, Todd Parfitt, ECOS President and Director, Wyoming Department of Environmental Quality</li> <li>❖ Host State Welcome, Julie Moore, Secretary, Vermont Agency of Natural Resources</li> <li>❖ Self-introduction of ECOS Members</li> <li>❖ ECOS Silver Anniversary Trivia Contest, emceed by Sam Sankar, ECOS Executive Director &amp; General Counsel</li> <li>❖ Announcements &amp; Agenda Preview, Todd Parfitt</li> </ul>  | Tamarack ABC |
| 9:45 – 10:45 a.m. | <p><b>Roundtable: Earth, Water, &amp; Sky – 25 Years of Progress</b></p> <p>As ECOS marks its 25th anniversary, the association will explore strides made in</p>   | Tamarack ABC |

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|                    | <p>environmental protection by states and their federal partners over the last quarter century. Speakers will share success stories across a variety of program areas and touch on opportunities for continued progress as we turn our focus toward the future.</p> <ul style="list-style-type: none"> <li>❖ Shari Meghreblian, Commissioner, Tennessee Department of Environment &amp; Conservation (moderator)</li> <li>❖ Chuck Carr Brown, ECOS Waste Committee Chair and Secretary, Louisiana Department of Environmental Quality</li> <li>❖ Craig Butler, ECOS Water Committee Chair &amp; Region 5 Executive Committee Representative and Director, Ohio Environmental Protection Agency</li> <li>❖ Janet Coit, Director, Rhode Island Department of Environmental Management</li> <li>❖ William Wehrum, Assistant Administrator, U.S. EPA Office of Air &amp; Radiation (invited)</li> <li>❖ David Ross, Assistant Administrator, U.S. EPA Office of Water</li> </ul> |              |
| 10:45 – 11:15 a.m. | <b>Networking Break</b>  | Foyer        |
| 11:15 a.m. – Noon  | <b>Video Presentation &amp; Live Vote: First Round of Nominations for the 2018 ECOS State Program Innovation Awards</b>  | Tamarack ABC |
| 12:10 – 1:30 p.m.  | <b>Lunch &amp; Keynote Address: Building the Energy System of Tomorrow, Mary Powell, President &amp; CEO, Green Mountain Power, introduced by Emily Boedecker, Commissioner, Vermont Department of Environmental Conservation</b>  | Jr. Ballroom |
| 1:40 – 2:35 p.m.   | <p><b>Plenary Session: Crowdsourcing Solutions – A Penny for Your Thoughts</b></p> <p>Faced with complex environmental challenges, states must continuously explore creative and cost-effective solutions. In this dynamic and interactive dialogue, ECOS members will present challenges faced in the areas of stormwater management and air pollution control, and all attendees will have a chance to chime in with solutions.</p> <ul style="list-style-type: none"> <li>❖ Julie Moore, Secretary, Vermont Agency of Natural Resources (moderator)</li> <li>❖ Maia Bellon, ECOS Cross-Media Committee Chair and Director, Washington Department of Ecology</li> <li>❖ Alan Matheson, ECOS Air Committee Vice</li> </ul>  | Tamarack ABC |

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|                  | <p>Chair and Region 8 Executive Committee Representative and Executive Director, Utah Department of Environmental Quality</p> <ul style="list-style-type: none"> <li>❖ Shawn Garvin, Secretary, Delaware Department of Natural Resources &amp; Environmental Control</li> </ul>   |              |
| 2:35 – 3:30 p.m. | <p><b>Roundtable: Greening Our States to Bring in the Green – Environmental Improvement as a Driver of Economic Development</b></p> <p>This session will focus on the nexus between environmental protection and economic development. State, academic, and nongovernmental organization speakers will discuss the value of initiatives in the areas of regulatory improvement and ecological services.</p> <ul style="list-style-type: none"> <li>❖ Todd Parfitt, ECOS President and Director, Wyoming Department of Environmental Quality (moderator)</li> <li>❖ Myra Reece, ECOS Region 4 Executive Committee Representative and Director of Environmental Affairs, South Carolina Department of Health &amp; Environmental Control</li> <li>❖ Deborah Markowitz, Director of Policy Outreach, University of Vermont Gund Institute of Environment</li> <li>❖ Melissa Maynard, Officer, Economic Development, The Pew Charitable Trusts</li> </ul> | Tamarack ABC |
| 3:30 – 4:00 p.m. | <b>Networking Break</b>   | Foyer        |
| 4:00 – 5:15 p.m. | <p><b>State-U.S. EPA Closed Session</b></p> <p>Open to states, U.S. EPA, and invited guests, this session will center on Cooperative Federalism 2.0 progress and work ahead. ECOS launched the initiative last year to promote the state-federal relationship in protecting human health and the environment. The ECOS and U.S. EPA Oversight Workgroups and joint ECOS-U.S. EPA Compliance Assurance Workgroup have identified opportunities to apply these principles and advance this important national conversation.</p> <ul style="list-style-type: none"> <li>❖ Todd Parfitt, ECOS President and Director, Wyoming Department of Environmental Quality (moderator)</li> <li>❖ Henry Darwin, Acting Deputy Administrator, U.S. Environmental Protection Agency</li> <li>❖ Pat Stevens, ECOS Planning Committee Chair and Assistant Deputy Secretary, Wisconsin Department of Natural Resources</li> </ul>                                       | Jr. Ballroom |

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|                  | <ul style="list-style-type: none"> <li>❖ David Paylor, ERIS President and Director, Virginia Department of Environmental Quality</li> <li>❖ Jim Macy, ECOS Secretary-Treasurer and Director, Nebraska Department of Environmental Quality</li> <li>❖ Patrick Traylor, Deputy Assistant Administrator, Office of Enforcement &amp; Compliance Assurance, U.S. Environmental Protection Agency</li> </ul> |   |
| 5:15 – 6:45 p.m. | <b>Taste of Vermont Pre-Dinner Reception</b>  | Outside Terrace<br>(Jr. Ballroom rain backup) |

**Wednesday, August 29**

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| 7:15 a.m.        | <b>Registration Desk Open</b>  | Foyer        |
| 7:15 – 8:45 a.m. | <b>Continental Breakfast</b>   | Jr. Ballroom |
| 7:30 – 8:30 a.m. | <b>Closed Side Session Option 1: ECOS Data Management Workgroup</b><br><i>Open to states and invited guests and led by Bob Zimmerman, DMWG Co-Chair and Chief Operating Officer, Delaware Department of Natural Resources &amp; Environmental Control. A separate continental breakfast will be available.</i>   | White Pines  |
| 7:30 – 8:30 a.m. | <b>Closed Side Session Option 2: Environmental Research Institute of the States</b><br><i>Open to states and invited guests and led by David Paylor, ERIS President and Director, Virginia Department of Environmental Quality. A separate continental breakfast will be available.</i>  | Tamarack E   |
| 8:45 – 9:45 a.m. | <b>Roundtable: Applying Past Lessons to Emerging Challenges</b><br>Since the inception of ECOS, the association and its federal partners have worked collaboratively to tackle a number of emerging challenges, from PCBs to perchlorate. This session will explore the evaluation and control of emerging contaminants over the years. Speakers will highlight changing chemicals management laws, specific chemicals of concern, and present-day approaches to addressing contaminants like PFAS. <ul style="list-style-type: none"> <li>❖ Heidi Grether, ECOS Cross-Media Committee Vice Chair and Director, Michigan Department of Environmental Quality (moderator)</li> <li>❖ Matthew Rodriguez, ECOS Region 9 Executive Committee Representative and Secretary for</li> </ul> | Tamarack ABC |

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|                    | <p>Environmental Protection, California<br/>Environmental Protection Agency</p> <ul style="list-style-type: none"> <li>❖ Maureen Sullivan, Deputy Assistant Secretary of Defense for Environment, Safety, &amp; Occupational Health, U.S. Department of Defense</li> <li>❖ Arleen O'Donnell, Vice President of Natural Resources and State Support, Eastern Research Group</li> </ul>   |              |
| 9:45 – 10:00 a.m.  | <p><b>Mini Session: State Research Questions Answered</b></p> <p>U.S. EPA will briefly showcase its Science Inventory, a new database of federal research products developed to assist state environmental agencies. The Environmental Research Institute of the States (ERIS), ECOS' research arm, encouraged and worked with EPA's Office of Research &amp; Development to establish the tool.</p> <ul style="list-style-type: none"> <li>❖ David Paylor, ERIS President and Director, Virginia Department of Environmental Quality (moderator)</li> <li>❖ Chris Robbins, Acting Deputy Assistant Administrator for Management, U.S. EPA Office of Research &amp; Development</li> <li>❖ Jennifer Orme-Zavaleta, Principal Deputy Assistant Administrator for Science, U.S. EPA Office of Research &amp; Development</li> </ul> | Tamarack ABC |
| 10:00 – 10:45 a.m. | <p><b>Video Presentation &amp; Live Vote: Second Round of Nominations for the 2018 ECOS State Program Innovation Awards</b></p>   | Tamarack ABC |
| 10:45 – 11:15 a.m. | <p><b>Networking Break &amp; ECOS Results Poster Session</b></p>  | Foyer        |
| 11:15 – Noon       | <p><b>Mini Session Option 1: Communicating Success via Social Media</b></p> <p>This mini workshop will explore how state environmental agencies can use social media as a valuable part of their communications strategies. Two ECOS members with social media savvy will share insights about how to develop an online presence and put it to good use.</p> <ul style="list-style-type: none"> <li>❖ John Linc Stine, ECOS Past President and Commissioner, Minnesota Pollution Control Agency (co-moderator)</li> <li>❖ Carol Comer, ECOS Compliance Committee Chair and Director, Missouri Department of Natural Resources (co-moderator)</li> </ul>   | White Pines  |
| 11:15 – Noon       | <p><b>Mini Session Option 2: Updates from the PFAS Coordinating Committee</b></p>   | Tamarack ABC |

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|                   | <p>This session, open to all, will provide updates for a general audience on state and federal activities surrounding emerging contaminant PFAS.</p> <ul style="list-style-type: none"> <li>❖ Catherine McCabe, Commissioner, New Jersey Department of Environmental Protection (moderator)</li> <li>❖ Peter Grevatt, Director, U.S. EPA Office of Groundwater and Drinking Water</li> </ul>  |              |
| 12:10 – 1:30 p.m. | <p><b>Lunch &amp; Keynote Address: The Honorable Phil Scott, Governor, State of Vermont, introduced by Julie Moore, Secretary, Vermont Agency of Natural Resources</b></p>  | Jr. Ballroom |
| 1:40 – 2:40 p.m.  | <p><b>Point-Counterpoint: State Perspectives on Acceptable Science</b></p> <p>U.S. EPA recently proposed a rule requiring underlying data for all of the agency's scientific studies to be publicly available so that it can be independently validated. Supporters and critics alike believe the transparency rule will have far-reaching implications that will change how the agency regulates. In this session, ECOS members will explore the case for and against the proposed new approach, weighing potential benefits and drawbacks.</p> <ul style="list-style-type: none"> <li>❖ Patrick McDonnell, ECOS Innovation &amp; Productivity Committee Vice Chair and Secretary, Pennsylvania Department of Environmental Protection (moderator)</li> <li>❖ Martha Rudolph, Director, Colorado Department of Public Health and the Environment</li> <li>❖ Bryan Shaw, Chairman, Texas Commission on Environmental Quality</li> </ul> | Tamarack ABC |
| 2:40 – 3:00 p.m.  | <p><b>Plenary Session: Announcement of New Officers &amp; Regional Representatives &amp; Recognition of Officers, Sam Sankar, ECOS Executive Director &amp; General Counsel</b></p>   | Tamarack ABC |
| 3:00 – 3:30 p.m.  | <p><b>Networking Break</b></p>  | Foyer        |
| 3:30 – 4:30 p.m.  | <p><b>State-U.S. EPA Open Session: The Evolving State-Federal Relationship</b></p> <p>At the first meeting of ECOS, members wore t-shirts proclaiming, "States are not branches of the federal government." With that, states and U.S. EPA embarked on efforts to establish the appropriate state and federal roles in guarding human health and the environment. The relationship continues to evolve, currently under</p>   | Tamarack ABC |

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|                  | <p>the auspices of Cooperative Federalism 2.0. In this session, two ECOS members and their EPA Regional Administrators will lead discussion of current relations and where they believe improvements have been and could be made.</p> <ul style="list-style-type: none"> <li>❖ Becky Keogh, ECOS Vice President and Director, Arkansas Department of Environmental Quality (moderator)</li> <li>❖ Patrick McDonnell, ECOS Innovation &amp; Productivity Committee Vice Chair and Secretary, Pennsylvania Department of Environmental Protection</li> <li>❖ Alan Matheson, ECOS Air Committee Vice Chair &amp; Region 8 Executive Committee Representative and Executive Director, Utah Department of Environmental Quality</li> <li>❖ Cosmo Servidio, Administrator, U.S. EPA Region 3</li> <li>❖ Doug Benevento, Administrator, U.S. EPA Region 8</li> </ul> |                                   |
| 4:45 – 5:00 p.m. | <b>Member &amp; Deputy Photo</b>  | Village Green                     |
| 5:00 – 5:30 p.m. | <b>Reception</b>  | Stone Terrace Outside Spruce Camp |
| 5:30 – 8:30 p.m. | <b>ECOS 25<sup>th</sup> Anniversary Celebration, with Dinner, Musical Entertainment by Vermont’s Chad Hollister Band, Awards Ceremony, &amp; Keynote Presentations on “ECOS Then &amp; Now” by Robert E. (Robbie) Roberts, ECOS Founding President &amp; Founding Executive Director, &amp; Sam Sankar, ECOS Executive Director &amp; General Counsel</b>   | Spruce Camp                       |

**Thursday, August 30**

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| 7:30 – 8:30 a.m.   | <b>Closed Session: Buffet Breakfast</b><br><i>Open to states.</i>  | Jr. Ballroom |
| 8:30 – 10:30 a.m.  | <b>Closed Session: States-Only Session</b> <ul style="list-style-type: none"> <li>❖ Resolutions Discussion &amp; Voting</li> <li>❖ 2020 Fall Meeting Host State Selection</li> <li>❖ Other Business</li> </ul> | Tamarack ABC |
| 10:30 – 10:45 a.m. | <b>Break</b>   | Foyer        |
| 10:45 – 11:45 a.m. | <b>Closed Session: ECOS Executive Committee</b>  | Tamarack ABC |