*Times and order of events are subject to some additional modifications before the event*

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| **Schedule** | **Tuesday, May 16**8:30 am to 5:30 pm |
| 8:30 – 9:00  | Light Breakfast  |
| 9:00 – 9:25 | Welcome and AMMTO/IEDO Evolution and Overview – Steve McKnight, *AMMTO & IEDO Director (acting)* |
| 9:25 – 9:35 | Remarks – David Turk, *Deputy Secretary, Department of Energy*  |
| 9:35 – 9:50 | Introduction of Peer Review Panels |
| 9:50 – 10:05 | Q&A |
| 10:05 – 10:25 | Break  |
| 10:25 – 10:45 | AMMTO Strategy Overview and Budget – Diana Bauer, *AMMTO Deputy Director* |
| 10:45 – 10:55  | Q&A |
| 10:55 – 11:15 | IEDO Strategy Overview and Budget – Avi Shultz, *IEDO Deputy Director* |
| 11:15 – 11:25 | Q&A  |
| 11:25 – 12:30 | Lunch  |
| 12:30 – 12:50 | IEDO Strategic Analysis – Joe Cresko, *IEDO Chief Engineer* |
| 12:50 – 1:00 | Q&A |
| 1:00 – 1:20  | Technical Assistance and Workforce Development (TAWD) Overview – Anne Hampson, *IEDO Program Manager*  |
| 1:20 – 1:30  | Q&A  |
| 1:30 – 2:00 | Better Plants, Better Climate Challenge – John O’Neill, *IEDO Technology Manager*  |
| 2:00 – 2:10 | Q&A |
| 2:10 – 2:30 | Energy Management – Ethan Rogers, *IEDO Technology Manager* |
| 2:30 – 2:40 | Q&A  |
| 2:40 – 2:55 | Break  |
| 2:55 – 3:20 | On-Site Energy and CHP Deployment – Meegan Kelly, *IEDO Technology Manager*  |
| 3:20 – 3:30 | Q&A |
| 3:30 – 4:20 | TAWD Lightning Round (including Q&A) |
| 4:20 – 4:35 | Overall Subprogram Observations and Discussion  |
| 4:35 – 5:30 | Strategic Analysis and TAWD Poster Session – Technology Managers and Principal Investigators  |

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|  | **Wednesday, May 17**8:30 am to 6:00 pm ET |
| 8:30 – 9:00  | Light Breakfast  |
| 9:00 – 9:15  | Review of the Day  |
| 9:15 – 9:25 | Day 2 Welcome - Carolyn Snyder, *Deputy Assistant Secretary for Energy Efficiency, Energy Efficiency and Renewable Energy* |
| 9:25 – 9:35 | Energy- and Emissions- Intensive Industries (EEII) Overview – Paul Majsztrik, *IEDO Program Manager* and Felicia Lucci*, IEDO Technology Manger* |
| 9:35 – 9:45 | Q&A |
| 9:45 – 10:00 | EEII: Iron and Steel Programmatic Summary – Isaac Chan, *IEDO Program Manager* and David Forrest, *Principal Technical Consultant Nexight* |
| 10:00 – 10:10 | Carbon-Free Iron for a Sustainable Future – Guillaume Lambotte, *Boston Metal* |
| 10:10 – 10:20 | Integrated Virtual Blast Furnace for Real-time Energy Efficiency Improvement – SMSVC – Tyamo Okosun, *Purdue University Northwest*  |
| 10:20 – 10:35 | Q&A |
| 10:35 – 10:50 | Break  |
| 10:50 – 11:00 | EEII: Cement & Concrete Programmatic Summary – Nick Lalena, *IEDO Technology Manager* and Isabelle Sgro Rojas, *Principal Scientist, Energetics* |
| 11:00 – 11:10 | An Innovative Process for Direct Utilization of CO2 in Solid Synthetic Pozzolan Production – Pradeep Ghosh, *Solidia Technologies*  |
| 11:10 – 11:20 | Q&A |
| 11:20 – 11:30 | EEII: Food and Beverage Products Programmatic Summary – Yaroslav Chudnovsky, *IEDO Technology Manager*  |
| 11:30 – 11:40 | Novel Energy-Efficient Drying Technologies for Food, Pulp and Paper, and other Energy Intensive Manufacturing Industries – Jamal Yagoobi, *Worcester Polytechnic Institute*  |
| 11:40 – 11:50  | Q&A |
| 11:50 – 12:05 | EEII: Forest Products Programmatic Summary – Yaroslav Chudnovsky, *IEDO Technology Manager* and David Turpin, *Principal Consultant, Nexight Group* |
| 12:05 – 12:15 | Integrated Radio Frequency and Ultrasonics with Conventional Processes for Efficient Water Removal in Pulp and Paper and Other biomaterial applications – Shri Ramaswamy, *University of Minnesota* |
| 12:15 – 12:25 | Q&A |
| 12:25 – 1:25 | Lunch  |
| 1:25 – 1:30 | Review of the Afternoon  |
| 1:30 – 1:50 | EEII: Chemicals Programmatic Summary – Felicia Lucci, *IEDO Technology Manager*  |
| 1:50 – 2:00 | Compact Catalytic Membrane Reactor for One-Step High-Efficiency Ammonia (NH3) Synthesis at Moderate Temperatures and Pressures – Shoujie Ren, *E2H2NANO, LLC*  |
| 2:00 – 2:10 | Catalyst Evaluation for Deactivation and Remediation (CEDAR): Development of Robust Materials and Resilient Processes via Transient Measurement and Data-driven Multiscale Models – Rebecca Fushimi, *Idaho National Laboratory*  |
| 2:10 – 2:25 | The Rapid Advancement in Process Intensification Deployment (RAPID) Institute, Ignasi Palou-Rivera, *Executive Director & Chief Technology Officer* |
| 2:25 – 2:45 | Q&A |
| 2:45 – 3:00 | Break  |
| 3:00 – 3:10 | Cross-Sector Technologies (CST) Overview – Isaac Chan, *IEDO Program Manager*  |
| 3:10 – 3:20 | Q&A |
| 3:20 – 3:30 | CST: Emerging Efficiency and Other Decarbonization Technologies – Emmeline Kao, *IEDO Technology Manager*  |
| 3:30 – 3:40 | Modular Reactors for the Capture and Electro-conversion of CO2 in Various Industrial Processes to Value-Added Chemicals – Xiao-Dong Zhou, *University of LA at Lafayette*  |
| 3:40 – 3:55 | Q&A |
| 3:55 – 5:00 | EEII Poster Session – Principal Investigators |
| 5:00 – 6:00 | Reception  |

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|  | **Thursday, May 18**8:30 am to 5:00 pm ET |
| 8:30 – 9:00 | Light Breakfast  |
| 9:00 – 9:10 | Review of the Day  |
| 9:10 – 9:30 | CST: Energy & Emissions Reductions from Water and Wastewater Treatment – Mark Philbrick, *IEDO Technology Manager*  |
| 9:30 – 9:45 | National Alliance for Water Innovation (NAW) – Meagan S. Mauter, *Research Director* |
| 9:45 – 9:55 | Integrated Anaerobic Membrane Bioreactor (AnMBR)-electro-assisted fermentation platform for total resource recovery from diverse wastewaters – Prathap Parameswaran, *Kansas State University*  |
| 9:55 – 10:05 | A Digitalization, Automation, and Optimization Platform for Improved Resiliency and Consistency of Distributed Anaerobic Digestion – Jeffrey McCutcheon, *University of Connecticut*  |
| 10:05 – 10:25 | Q&A |
| 10:25 – 10:40 | Break  |
| 10:40 – 11:00 | CST: Thermal Processes and Systems – Keith Jamison, *IEDO Technology Manager*  |
| 11:00 – 11:10 | Filament Extension Atomization for High Solids Loading in Energy Efficient Spray Drying Systems – David M. Johnson, *Palo Alto Research Center, Inc.*  |
| 11:10 – 11:20 | Development of High Energy Density Thermomagnetic Processing Technology for Intensification of Industrial Heat-treatment and Increased Material Performance – Michele V. Manuel, *University of Florida*  |
| 11:20 – 11:35 | Q&A |
| 11:35 – 11:55 | Enabling Technologies for Low Carbon Fuels and Feedstock – Emmeline Kao, *IEDO Technology Manager*  |
| 11:55 – 12:05 | Ultra Efficient CHP with High Power/Heat Ratio using a Novel Argon Power Cycle – Miguel Sierra Aznar, *Noble Thermodynamic Systems, Inc.*  |
| 12:05 – 12:15 | Flexible Natural Gas/Hydrogen CHP system – Jas Singh, *Caterpillar Inc* |
| 12:15 – 12:30 | Q&A |
| 12:30 – 12:45 | CST Subprogram Observations and Discussion  |
| 12:45 – 1:00  | EEII Subprogram Observations and Discussion  |
| 1:00 – 2:00 | Lunch  |
| 2:00 – 3:15 | CST Poster Session – Principal Investigators  |
| 3:15 – 3:30 | Break  |
| 3:30 – 5:00  | Facilitated Stakeholder Engagement – All Attendees  |