

WORKING GROUPS

Jennifer Szaro

1

In-Person Meetings at FSEC have Occurred

- 1. Energy-Efficient Buildings Lead: Rob Vieira
- 2. Grid Modernization/Energy System Integration Lead: Manjunath Matam
- 3. Solar Energy/Storage Systems Lead: Mengji Li
- 4. Electric Transportation Lead: Rich Raustad
- 5. Hydrogen/Biomass/CO₂ Lead: *Jim Fenton*
- 6. Education, Service, Workforce Training, Policy Lead: Colleen Kettles

Invite FSEC Advisory Board Members or Designees to Attend Quarterly Virtual Meetings.



| Working Group Program Area | Program Focus | Working Groups |
|--|---|--|
| Energy Efficient Buildings | Building science, indoor air quality, smart energy efficient devices and systems, load management, weatherization, affordable housing applications, and deep retrofits. | |
| Grid Modernization/ Energy Systems Integration | Energy systems integration, including vehicle to building technology, grid-interactive efficient buildings, smart buildings, demand management, smart mobility, and resiliency. Connected Communities and Virtual Power Plants. | |
| Solar Energy/Storage Systems | · · · | nce, durability, testing and certification; PV cell/module d energy resources. Electrochemical lithium & flow ed water, water heaters). |
| Electric Transportation | Sustainable transportation, elec | ctric vehicles, autonomous systems, and infrastructure |
| Hydrogen/ Biomass/ CO ₂ Valorization/ Catalysis | use as a feedstock, gas turbine | zers), Consumption (fuel cells, turbines (H2 and H2/CH4), ramping with more solar on the grid, H2 catalysis. Using iomass and CO2 to fuels (renewable natural gas, chemical feedstocks. |
| Education, Service, Workforce Training, Policy | and marketing, energy minors f | and credential development, public education, outreach for BS/BA, MS, PhD, PV on Schools, energy policy analysis, ent and administration, apprenticeship |

FSEC Working Groups

Outcome of Initial Working Group Meetings

- Staff: Increased opportunities require increased specialized staff
- **Collaboration:** Increase partnerships
- **Topics:** Big data, durability
- Roles: Consulting and Implementation in addition to Research and Training
- Maintenance: Maintain test facilities

