



Pre-Workshop Day

Powering Partnership Meeting (Optional Colocated Event With ADMS Test Bed Workshop)

The goal of this meeting is to broaden the attendees' understanding of the breadth of research at the National Laboratory of Rockies (NLR) that is interesting to the energy sector for planning, investing, building, and operating future energy systems, especially related to large-load integration.

Tuesday, Oct. 13, 2026, 12:30 p.m.–5:00 p.m.

Research Support Facility (RSF)

TIME (MDT)	EVENT
12:30 p.m.	Security Check-in and NLR Visitor Badge Pickup
1:00 p.m.	Welcome
1:20 p.m.	Validating Hardware Integration for Data Center Management
1:50 p.m.	Testing Large-Load Equipment: Agora Test Bed
2:20 p.m.	Hardware Development for Solid-State Transformers
2:40 p.m.	Networking Break
3:00 p.m.	Data Center Power Systems
3:20 p.m.	Hardware Testing of Grid-Forming Inverters
3:40 p.m.	Distribution Planning and Capacity Expansion Considerations
4:00 p.m.	Panel: Grid Challenges and Solutions Landscapes
5:00 p.m.	Closing of Power Partnership Meeting

Advanced Distribution Management System (ADMS) Test Bed Workshop

Tuesday, Oct. 13, 2026, 6:00 p.m.–8:00 p.m.

Denver West Marriott

1717 Denver West Marriott Boulevard, Golden, Colorado 80401

Hosts: Mitsubishi Electric Power Products (MEPPI), Opal-RT, Electrical Grid Monitoring (EGM)

TIME (MDT)	EVENT	LOCATION
6:00 p.m.	ADMS Test Bed Workshop Reception	Marriott Ballroom
8:00 p.m.	Adjourn	



ADMS Test Bed Workshop

Highlighting work performed on NLR's ADMS Test Bed

Wednesday, Oct. 14, 2026, 8:30 a.m.–5:00 p.m.

Research Support Facility (RSF)

Host: Murali Baggu, Senior Research Advisor

TIME (MDT)	EVENT
8:00 a.m.	Security Check-in and NLR Visitor Badge Pickup
8:30 a.m.	Arrival and Check-in
8:55 a.m.	Logistics
9:00 a.m.	NLR Welcome/Energy Security and Systems Innovation Directorate Overview
9:10 a.m.	DOE Dynamic Controls Program Overview
9:30 a.m.	ADMS Test Bed Overview
9:50 a.m.	Recent Results From Experiments Using FAST-DERMS Controls
10:20 a.m.	Fault Location Use Case
10:50 a.m.	Networking Break
11:20 a.m.	Flexible Feeder Use Case
11:50 a.m.	Microgrid and Electric Vehicle Charge Management Use Case
12:15 p.m.	Lunch
1:15 p.m.	Roundtable With Recent and Current Partners (Southern Company, PGE, Emerson AspenTech Digital Grid Management, CSU, EGM, and MEPPi)
2:00 p.m.	Walk to Energy Systems Integration Facility (ESIF) for Demonstrations and Tour*
2:15 p.m.	ESIF Laboratory Demonstrations*
4:30 p.m.	Group Photo on ESIF Steps and Return to RSF
4:45 p.m.	Overview of Next Day's Schedule
5:00 p.m.	Adjourn



ADMS Test Bed Workshop

Thursday, Oct. 15, 2026, 8:30 a.m.–12:30 p.m.
Research Support Facility (RSF)

TIME (MDT)	EVENT
8:30 a.m.	Arrival and Check-in
8:55 a.m.	Logistics
9:00 a.m.	Sensor Placement, Monitoring, and Data Analytics Platform (SensorMAP) Project Overview
9:20 a.m.	Large-Load Challenges Listening Session
9:40 a.m.	Control Room of the Future Test Bed (CROFT) Scoping Project Overview
9:55 a.m.	SCADA Enhanced Alarm Intelligence Tool (SEA-IT)
10:15 a.m.	Networking Break
10:45 a.m.	Medium-Voltage Test Capabilities
11:00 a.m.	Panel: Distribution Grid Planning
11:45 a.m.	Panel: Distribution Grid Resilience and Affordability
12:30 p.m.	Closing Remarks
12:35 p.m.	Box Lunch (<i>Sponsored by Emerson/AspenTech Digital Grid Management</i>)
1:30 p.m.	Gather for Optional Tour of Flatirons Campus* Featuring Microgrid and Data Center Capabilities
1:45 p.m.	Board Shuttle for Optional Tour of Flatirons Campus*
2:30 p.m.	Flatirons Overview
2:45 p.m.	Flatirons Campus Tour – (Control Room/DRTS Room, 5MW Dyno, & Research Pads)
4:00 p.m.	Board Shuttle to Return to South Table Mountain Campus
5:00 p.m.	Adjourn

*** NLR laboratory guidelines**

- Wear comfortable walking shoes.
- Sandals, flip flops, open-toed, or slingback shoes are not allowed in NLR laboratories.
 - Shorts are not allowed in NLR laboratories.
 - Water bottles or other liquids are not allowed in NLR laboratories.
- Follow the instructions of your NLR host and security personnel at all times—especially in case of sounding alarms or other emergencies.