

# THERMAL-MECHANICAL-CHEMICAL ENERGY STORAGE WORKSHOP

## EVENT AGENDA

Tuesday – August 10, 2021		Introduction
7:30 – 8:15	Breakfast / Registration	
8:15 – 8:30	Welcome (Klaus Brun) / SwRI Safety (SwRI – Name: TBD)	
8:30 – 9:00	Keynote Speaker (EPRI – Neva Espinoza)	
9:00 – 9:30	DOE Keynote Overview (Michael Pesian)	
9:30 – 10:00	Technical Presentation – Energy Storage Overview (SwRI – Tim Allison)	
10:00 – 10:15	Break	
10:15 – 10:45	Technical Presentation – Hydrogen Pipelines & Storage (Solar Turbines – Rainer Kurz)	
10:45 – 12:15	Short Presentations/Technology Updates	
12:15 – 1:00	Lunch	
1:00 – 1:30	California Energy Commission	
1:30 – 2:00	Technical Presentation – Electrothermal Energy Storage System (MAN – Name: TBD)	
2:00 – 2:30	Technical Presentation – (Elliott Group – Derrick Bauer)	
2:30 – 2:45	Break	

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2:45 – 3:15	Panel Session – New Technology	
3:15 – 3:45	Technical Presentation – Bob Laughlin	
3:45 – 4:15	Technical Presentation – Compressed Air Energy Storage (Siemens – Name: TBD)	
4:15 – 5:15	Open Forum Discussion	
5:15 – 5:30	Closing Comments Day 1	

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## EVENT AGENDA

Wednesday – August 11, 2021		Introduction
7:30 – 8:15	Breakfast	
8:15 – 8:30	Welcome/Recap Day 1	
8:30 – 9:00	Keynote Speaker – Heliogen – Name: TBD	
9:00 – 9:30	Keynote Speaker – Natasha Keefer (Clean Power Alliance)	
9:30 – 10:00	Technical Presentation – Machinery Technologies for Closed Cycles (SwRI – Jeff Moore)	
10:00 – 10:15	Break	
10:15 – 10:45	Technical Presentation – Heat Exchanger	
10:45 – 11:45	Panel Session – Storage Deployment	
11:45 – 12:00	Closing and Wrap-up	
12:00 – 2:30	Optional SwRI Facility Tour (Lunch provided, please RSVP to <a href="mailto:dorothea.martinez@swri.org">dorothea.martinez@swri.org</a> ) <ul style="list-style-type: none"><li>• STEP 10 MWe sCO<sub>2</sub> Pilot Plant Facility</li><li>• kW-scale Air Brayton PHES Demo Facility</li><li>• Turbomachinery Research Facility, including SunShot 1 MWe sCO<sub>2</sub> Test Loop and Expander, APOLLO Barrel Compressor and Integrally-Geared Compressor, Large Turbine Seal Test Rig</li><li>• Natural Convection and Heat Exchanger Test Loops</li><li>• Sorption Science Laboratory</li></ul>	