



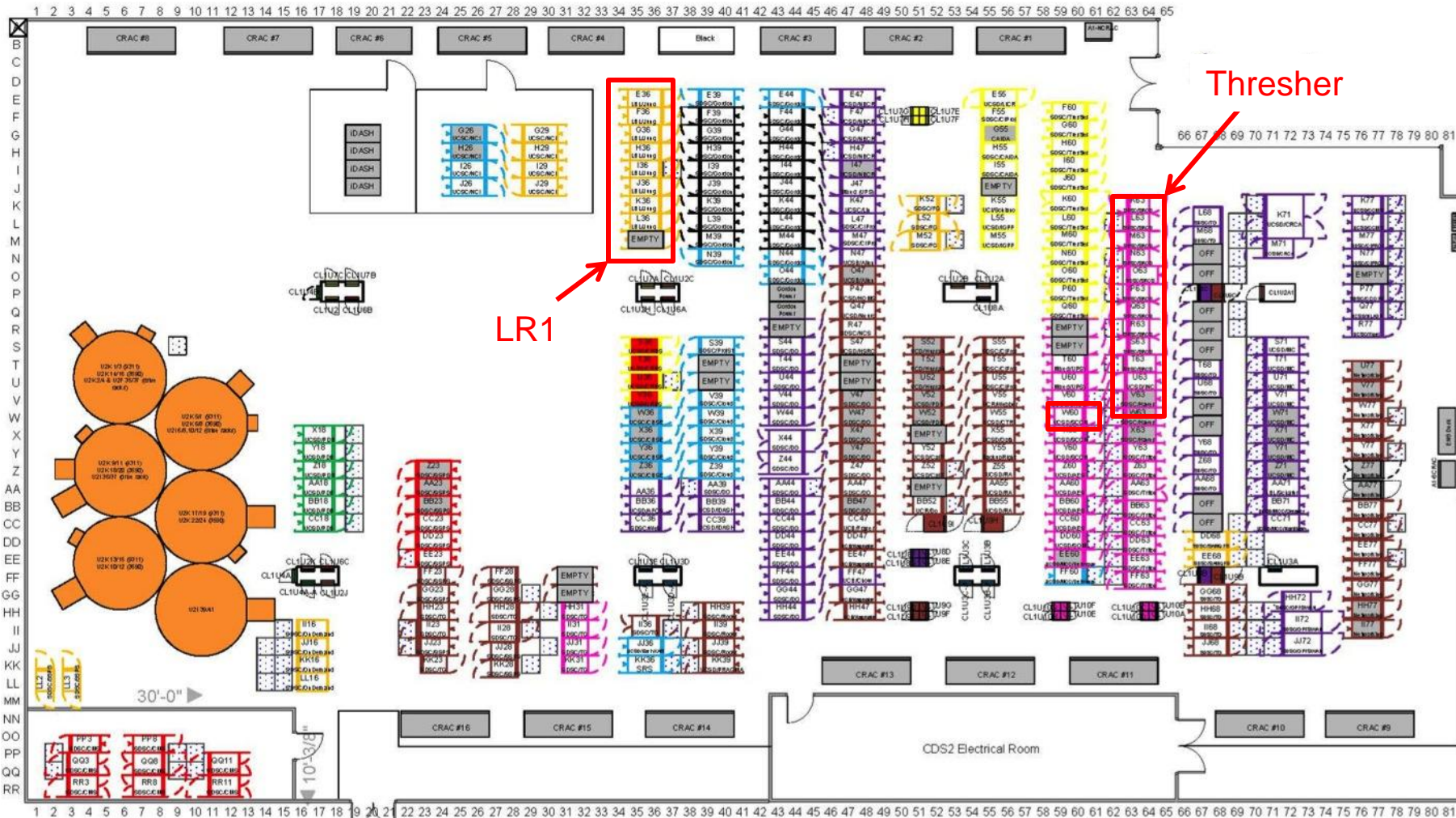
Demand Response at SDSC

Matt Campbell

SVLG Data Center Efficiency Summit @ AMD

October 24, 2012

SDSC Systems for DR Testing



Demand Response Test Components

- **IT/scheduling deferred to LBNL**
 - Shared administration facilitated LBNL to control IT equipment
- **Facility monitoring**
 - Existing monitors
 - Main electrical meters
 - HVAC
- **IT load metering**
 - Branch/rack



Overall Impressions

- **Challenges:**
 - Data centers as colocation facilities
 - Customer acceptance of DR strategies
 - Infrastructure requirements to test/participate
- **Potential Gains:**
 - Clusters/HPC systems clear targets for largest savings
 - Consolidation programs in aging/diverse environments
 - Incentive programs

End.

- **For more information about SDSC:**

<http://www.sdsc.edu>

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