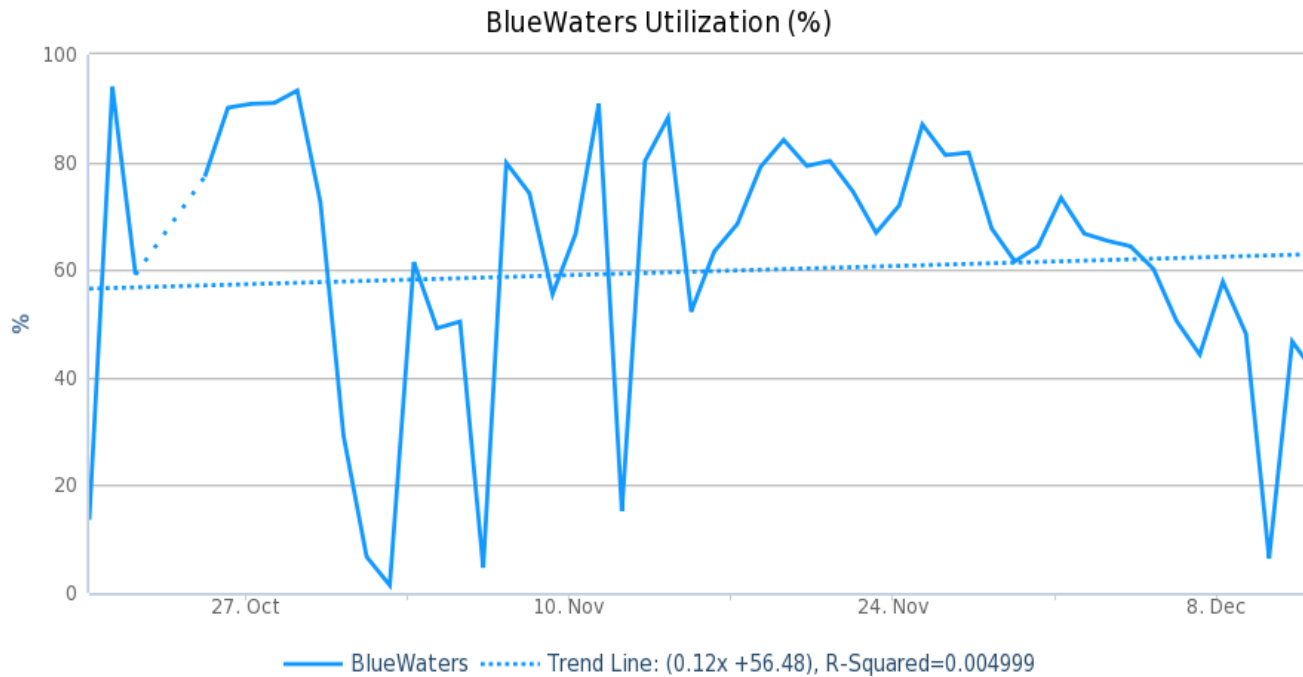# Blue Waters User Monthly Teleconference

Agenda

- Utilization and recent events
- Recent and upcoming changes
- [Blue Waters Data Sharing](#)
- [2015 Blue Waters Symposium](#)
- [NSF Ebola CFP](#)
- Reduced charging opportunities

1:15 PM Topology Aware Scheduling webinar

1:45 PM [CADENS](#) with Donna Cox

System Utilization

- Utilization since last BW User Call (October 20)

BlueWaters Utilization (%)

Trend Line: (0.12x +56.48), R-Squared=0.004999

2014-10-20 to 2014-12-12 Src: HPcDB. Powered by XDMoD/Highcharts

Recent Issues

- NVIDIA cuBLAS DGEMM – Resolved and Closed
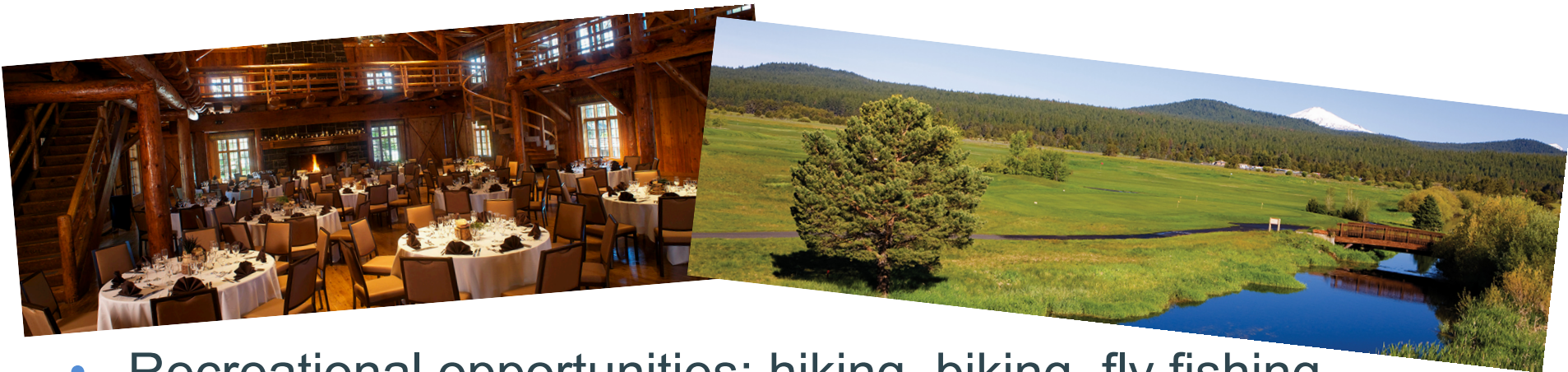
Upcoming Changes

- Enable Topology Aware Scheduling at first opportunity in January.
- System upgrades
    - CLE 5.2 – January
        - Move to newer Lustre software.
    - CUDA 6.5 – January
- Enabling darshan IO library in user environment at CLE 5.2 upgrade in January.
- Modules
    - Cleaning out unused modules, old modules.

Blue Waters Data Sharing Service

- Prototype service for data sharing.

- https://bluewaters.ncsa.illinois.edu/data-sharing

- Sharing of data sets from on-line or Nearline / projects/sciteam/xyz/share using Globus Online or web services (http).

- Metadata includes contact information, description, website, size and count, DOI*.

2015 Blue Waters Symposium

- May 10-14, 2015
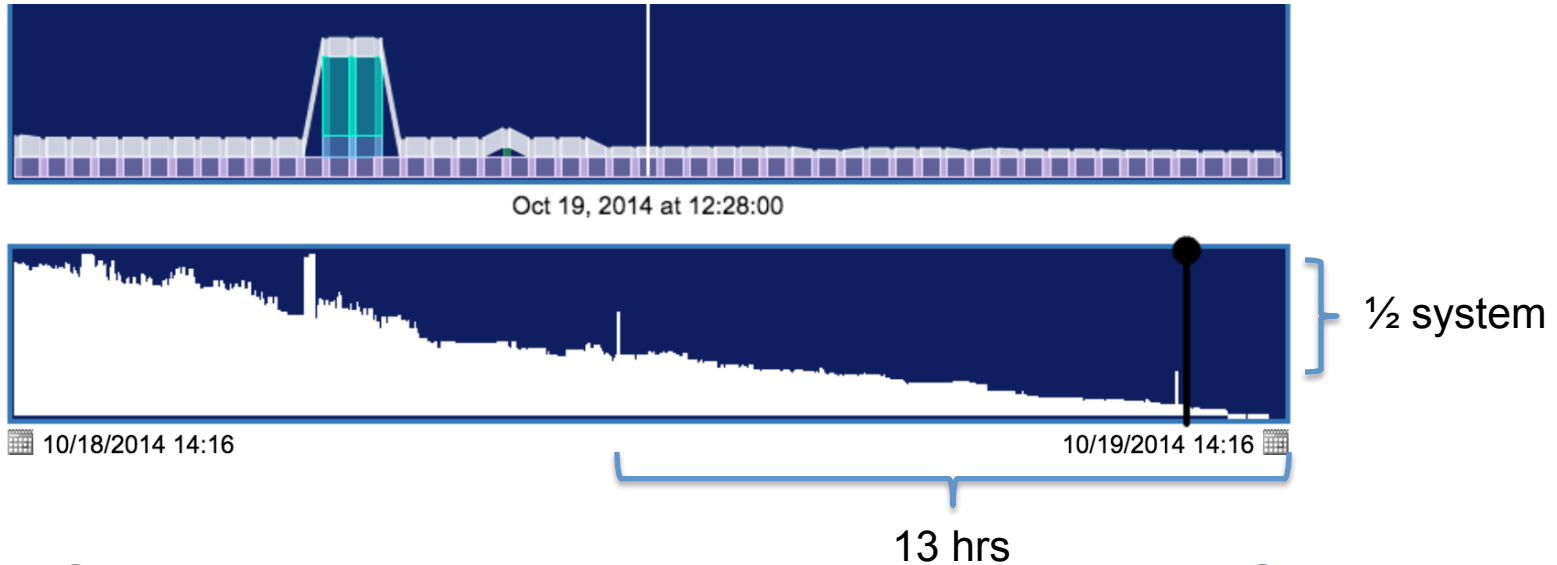- PI meeting for NSF PRAC teams.
- [Sunriver Resort](#) in Sunriver, OR

- Recreational opportunities: hiking, biking, fly fishing, rafting, canoeing, rock climbing, …

Discount Charge Period

- The Blue Waters project office is pleased to announce a reduced charging period in time for the holidays as a Thank You for your help in a successful NSF Review that took place December 3rd-4th.

- Starting Wednesday, December 17th and continuing to January 5th 2015.

- Discount on charging will be a 50% reduction across all XE jobs and an additional 25% off jobs greater than 4,096 XE nodes.

Reminder to backfill …

Oct 19, 2014 at 12:28:00

½ system

10/18/2014 14:16   10/19/2014 14:16

13 hrs

- Watch for maintenance notices or draining for large jobs.

- Implementing a charge factor for backfilling.

- Realtime chart of backfill opportunities
  https://bluewaters.ncsa.illinois.edu/why-isn-t-my-job-running#backfill

Request for Science Successes

- We need to be current on products that result from time on Blue Waters such as:
  - Publications, Preprints (e.g. arXiv.org 😊), Presentations.
  - Very interested in data product sharing.
- Appreciate updates sooner than annual reports.
  - Send to gbauer@illinois.edu
- NSF PRAC teams send information to PoCs.
- See the Share Results section of the portal as well.
- Be sure to include proper acknowledgment
  - Blue Waters - National Science Foundation (ACI 1238993)
  - NSF PRAC – OCI award number

Special Topics

- Topology Aware Scheduling – Robert Brunner.
- CADEN – Donna Cox.

Future Topics?

- Please send us your suggestions on topics for future teleconferences / webinars