Facilities Readiness for WISE Launch

Power
Cooling
Space
Emergencies
MR-104 & Building Power

• Morrisroe
  – After being moved to a new Caltech power substation, as of Oct 3, 2009, Morrisroe is on redundant campus power.
    • Morrisroe is fed by the new substation with throw over to other campus substations.

• MR-104
  – A single 450KVA UPS
    • Installed in 2008
    • Providing up to 100 minutes of power
MR257

• Power
  – WISE equipment is located in the Morrisroe 2nd floor Computer Room, 257
  – At present, MR-257 will throw over to Pasadena City Power in the event of a power outage.
  – Existing UPS will carry the load for the 8 seconds required for the fail over to occur.

• Cooling is provided by 5 10-ton, in-row, air conditioners.
MR 104 Cooling

• Morrisroe Liebert Units
  – Large Unit 44 tons, putting out 28 tons of cooling
  – Smaller unit 34 tons, putting out 22 tons of cooling

• Morrisroe is served by an 8-inch chilled-water line

• Central Plant has added 2 new chillers in ‘08 one new chiller in ‘09 with plans to add 4 additional chillers by the end of ‘09.
  – Doubled the chilled water output.
  – Providing additional redundancy.
Facilities – Office Space

• As required by the project, office space is being made available by S. Dodd.
• MR-214 is in the process of being re-configured for WISE visitors and meetings.
• MR-102 (LCR) will be have additional capabilities added to improve the Video Conferencing
• Additional color printer ordered for MR-214
Facilities – Emergencies

• Updated emergency information and procedures are being prepared. This information will be available to all visitors.

• Emergency information will be posted in all visitor and conference rooms.

• Caltech Security has been notified of launch activities as well as possible need for additional escorts and building access as needed.
Facilities – Emergencies

• Campus maintains a 7x24x365 service center to handle any facility emergency.
• Emergency contact numbers are in place with Central Plan.
• Confirmed with Central Plant that these numbers are correct.
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Facilities – Parking

• Visitor Parking Passes will be available for use by WISE visitors, at the discretion of WISE
• Weekly and Monthly passes are available from the Caltech Parking Office
Facilities – General

• Additional stationery supplies have been ordered and will be put in place for WISE needs, including:
  – toner for printers and copiers
  – Copier and writing paper
  – Supplies for meeting rooms
  – A small number of additional phones are available.
Facilities – Purchases

• Purchasing will continue, including the Caltech holidays
• Credit Card limits are adequate to accommodate any needs while Purchasing is closed for the Christmas Holiday.
• Procurement Services will have an emergency contact during holidays.
Facilities – Cooling & Power Maintenance

• Cooling
  – MR-257 APC In-Row coolers are
    • new, installed in FY09
    • in good working order
    • on maintenance contracts.
  – MR-104 Liebert cooling units are
    • in good working condition
    • are on a PM Contract
    • are serviced regularly

• UPS/power are
  – In good working condition
  – Are on a PM contract
  – Are serviced regularly
Facilities – Computer Maintenance

• The equip database, maintained by the Facilities group, has been updated to indicate the level of current maintenance on all servers.

• Color-coded dots have been attached to the servers indicating their maintenance level.