Attachment 1: Record of Conversation

Conversation took place on _11/22/06_____ (DATE) at _2:30 pm__AM/PM (TIME)

Type of Conversation (specify): __x__ Phone Other _____
____ In Person
____ Teleconference

Conversation initiated by: _Bob Hoffman___SAIC____ (name, organization and phone)

Conversation involved [name, organization and phone]:
Nick Nagy (LANL Metropolis Lead) (505) 667 - 6164

Issues Discussed: RoadRunner/Metropolis Update

I spoke with Nick Nagy regarding a public comment questioning the Roadrunner supercomputer at LANL and it's relationship to the Metropolis Center. He indicated that Roadrunner is a 75 TeraOp machine currently being installed in the Metropolis Center. It will have almost 4 times the computational power as the Q machine, and occupy approximately only half the footprint required by Q. Nick reiterated that even though the computational capabilities of these computer systems are growing rapidly, the infrastructure required to power and cool them is not. He does not foresee any development on the horizon, including potential PetaOp capabilities, as exceeding the annual 15 MW electricity and 51 million gallon water requirements presently evaluated in the LANL SWEIS.

In addition, Nick mentioned that he is much more optimistic about the ability to better utilize SERF recycled water to cool the Metropolis Center instrumentation. With the completed installation of a ~ 500,000-gallon water tank and upgrades to replace corrosion-prone components in SERF with plastic, he fully expects the Metropolis Center to eventually only use recycled water, and that groundwater requirements will correspondingly move to zero.

Action Items: None

Prepared by: Bob Hoffman