Jay Fein – He Made CCSM a Reality
ACME Since June 2016

David C. Bader
Council Chair
ACME Reviewers’ Concerns

- Climate system progress and (near-term) plans:
  - Coupled system
  - Ice-ocean
  - Land and carbon cycle
  - Human component

- Computation progress and (near-term) plans
  - Performance
  - Software engineering/performance and CMDV

- Project management

- Plans for code release and community engagement

- Strategic plan

- Comments regarding preparation for next proposal and suggestions for next review steps and timing
June 2016 ACME Review Resulted in Revised Schedule for Next Proposal

June 1, 2017 - Progress Report describing accomplishments from Phase 1 of the project, accompanied by a Whitepaper for Phase 2

December 1, 2017 - ACME v1 code release to occur by; and

December 15, 2017 - Full proposal for ACME Phase 2 due
New Projects Related to ACME

• Climate Model Development and Validation (CMDV) in Labs
  – Atmosphere
  – Software Engineering
  – NGEE Liaisons

• CMDV Grants and Cooperative Agreements

• Exascale Computing Program
Charge for Meeting

• Build formal and informal collaborations with new projects
• Discuss tentative plans for updated strategic plan and simulations, including major constraints imposed by computer resource limitations – important input to BER
• Discussions of next round of Science Question Simulation Campaigns that will inform Model development priorities