



## Program: Mission and Goals

### ***Mission:***

*Work in partnership with industry to perform HTS wire and pre-commercial activities required for US companies to commercialize HTS electric power applications*

### ***Strategic Goals:***

- Achieve HTS wire with 100x current capacity of copper
- Complete prototype demonstrations of HTS electric power equipment such as motors, current controllers, power cables, transformers, and generators



## Program Strategy

- Catalyze and lead a national effort to advance HTS that synergizes two major U.S. strengths
  - R&D resources of government labs and universities
  - Entrepreneurial drive of private companies
  
- Follow high-risk, high-payoff approach
  - Develop systems technology while bringing wire technology closer to meeting system requirements



## Program Elements

- Second Generation Wire Research
- Strategic Research
- Superconductivity Partnerships with Industry (SPI) Projects



## Peer Review Observations

- Exceptional technical progress has been made
- Reviewers add great value
- Peer review process has accelerated accomplishments
- Expectations for continuing positive trends
- Keep up the great work!