Best Project Management Team

Sponsored by the Project Management Institute (PMI)
Augusta Aiken Chapter

Judging Criteria

Teams should develop a clear statement of what needs to be accomplished on their project, including a list of deliverables. They should also have a project budget and schedule or timeline for completion of their work. Special consideration will be given to teams that list potential unexpected events/situations they thought of that might present challenges for their project and what they did to prevent them.
Best Essay

Sponsored by Savannah River Nuclear Solutions (SRNS)

Judging Criteria

• Highest Essay Score (see judging rubric in handbook)

Honorable Mention Award

Sponsored by Savannah River Nuclear Solutions

Judging Criteria

• 4th place overall score
• 5th place overall score
Most Creative Use of Materials
Sponsored by the American Concrete Institute – Carolinas Chapter

Judging Criteria
- How materials were used in building the project
- Uniqueness of materials used

Best Distribution of Power
Sponsored by IEEE – Columbia Chapter

Judging Criteria
- The team whose design accommodates the best distribution of power for transportation systems for a community
Best Nuclear Technology

Sponsored by Citizens for Nuclear Technology Awareness (CNTA)

Judging Criteria

- Demonstrated use of nuclear technology as it pertains to energy, environment, healthcare or industry

Best Use of Alternative Materials

Sponsored by the South Carolina ORS Energy Office

Judging Criteria

  - EPAct Alternative Fuels:
    - Hydrogen
    - Ethanol – E-85
    - Biodiesel – B20
    - Propane – LPG
    - Natural Gas – CNG and LNG
  - Electricity
    - Hybrid
    - Plug-in Hybrid
    - All Electric
Best Incorporation of Energy Efficiency
Sponsored by the South Carolina ORS Energy Office

Judging Criteria

• This team uses energy the most efficiently in places such as commercial buildings and residences. Using but not limited to the following:
  • Leadership in Energy and Environmental Design – LEED
  • Energy Star
  • EPA WaterSense
  • Energy Efficient lighting, HVAC, etc.

Best Use of Renewable Energy
Sponsored by the South Carolina ORS Energy Office

Judging Criteria

• This team uses a variety of renewable energy generation sources including but not limited to solar and wind technology. Bonus points for incorporation of utility and/or customer-scale energy storage.
Best Energy System
Sponsored by the American Nuclear Society

Judging Criteria
• Understanding of the energy system
  • Why was this system chosen?
  • What are the environmental impacts?
  • What waste products are produced?
  • How are wastes managed?
  • How long will the system last?
  • How much power is produced?
  • What are the major uses of power in the city?

Student Choice Award
Sponsored by the Savannah River Site Leadership Association

Judging Criteria
• Winner of student vote
Best Model Award

Sponsored by the Savannah River Site Leadership Association

Judging Criteria

- Innovation
- Design
- Neatness
- Use of Recycled Materials
- Layout

Best Planned City

Sponsored by the Association for the Advancement of Cost Engineering International (AACEI) - Central Savannah River Section

Judging Criteria

- Indications of planning and control during the process of creating the city, developing the team, establishing the budget, execution of the plan
Best Land Surveying Practices Award

Sponsored by National Council of Examiners for Engineering and Surveying

Judging Criteria

- The design that employs the best land surveying practices, taking into consideration the high standards used by surveyors to help protect the public's safety and welfare

Best Civil Engineering Aspects

Sponsored by the American Society of Civil Engineers – Central Savannah River Valley Branch

Judging Criteria

- The award for "Best Civil Engineering Aspects" will be presented to that design accommodating the most innovative civil engineering aspects. This can include those for structural strength, construction techniques, and allowance for alternative sources for power. It will also consider transportation access to get to power grid components (roads, bridges, access ways, etc), redundancy in design, ability for citizens to take advantage of alternate infrastructure (water, sewer, solid waste) during the recovery period, planning for events and environmental aspects of the design.
- Additional details in the attachment
Rookie Team Award
Sponsored by the Future City Committee

Judging Criteria

• Team must be a first or second year registered participating school
• Committee will choose a winner based on overall scores and best model

Best Virtual City Design
Sponsored by the Future City Committee

Judging Criteria

• Highest Virtual City Score (see judging rubric in handbook)
Protection of the Public

Sponsored by South Carolina Society of Professional Engineers – Columbia Chapter

Judging Criteria

• Explanation of how the design ensures the health, safety, and welfare of the public

Application of Smart Grid Technology

Sponsored by IEEE – CSRA Section

Judging Criteria

• Use of smart grid to improve resilience
• Use of smart grid to enable consumers to better manage their power use
• How does smart grid improve the use of renewable energy