Building Georgia’s Future Energy and Industrial Construction Workforce

2010 CEFGA Career Expo and Georgia SkillsUSA Championship & Summer Energy Camps

www.getintoenergyga.org
2010 Career Expo Highlights

• Sponsored by the Construction Education Foundation of Georgia (CEFGA), held at the Georgia International Conference Center March 11-12

• The largest “hands on” Construction, architecture and engineering Career Expo in Georgia and the Nation
  • 6,499 total attendees from 176 schools
  • 815 Teachers, Counselors, Administrators, Principals and Superintendents
  • 293 companies participated
  • Televised through live Web cast across the nation (New Media Education Foundation)

• Held in Conjunction with the SkillsUSA State Competition
  • 300 competitors
  • 27 skills contests
  • 81 student medals were awarded
  • Georgia Power received the Leadership and Vision Award
2010 Career Expo Highlights

• Showcased 19 Worlds with “hands on” activities

• GEICC sponsored two of the worlds
  • World of Industrial Construction
  • World of Energy

• World of Energy
  • Trey Harrison, Georgia System Operations – World of Energy Lead
  • Third Year Participating
  • 687 students visited the “World of Energy” Career Coaching Booth
World of Energy & World of Industrial Construction

External Collaboration

Georgia Power
Southern Company
Fluor
The NEED Project
Electric Cities of Georgia
TCSG
AFL-CIO
MEAG Power
Georgia Energy and Industrial Construction Consortium

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Expo 2010
The World of Building, Energy & Transportation

Technical College System of Georgia

Oglethorpe Power
Georgia Transmission
Georgia System Operations
World of Energy Volunteers

Industry Partners:

- 113 Total World of Energy and Construction volunteers

Internal:

- 155 volunteers from Georgia Power and Southern Company
  - 75 worked in the World of Energy over two day event
  - 80 volunteers worked for CEFGA over three days

Volunteers Assemble 6000 Hardhats
2010 Career Expo Highlights

• 6,000 square feet of hands-on activities, displays and simulators:
  • Safety – Power Town activity

• Generation:
  • Renewable energy simulator
  • Bicycle generator
  • Southern Nuclear – Vogtle 3&4 Display

• Transmission: *Held in Conjunction with the SkillsUSA State Competition
  • Welding booth
  • Tap changer
  • Mini 500KV tower construction

• Distribution:
  • Vandergraph meter
  • Rubber glove and cover up displays
  • Distribution Automation
  • Smart Meter

• Talent Acquisition:
  • PowerUP Career Branding Materials, Recruiters
E.N.E.R.G.E. Summer Camps

  - Females 14-18 yrs old to build awareness in Energy related careers
  - 25 students attended this week long camp

- **Dekalb Technical College - Arabia Mountain Engineering Camp:**
  - Engineering focus for rising juniors/seniors an opportunity to “Get into Energy” by learning through hands on events.
  - 30 students attended this week long camp

- **Jenkins High School Engineering Camp**
  - Energy Camp School of Engineering students Savannah
  - 22 rising freshman/22 upperclassman attended this week long camp
  - Freshman – half day on campus (one full travel day in combination with upper classman)
  - Upper classman – full day travel to different industries and post secondary education

- **Lanier Technical College – Extreme Energy Camp**
  - Energy camp targeting middle school students (6th – 8th graders)
  - 10 students attended this 4 day camp

- **M.A.G.I.C (Mentoring A Girl In Construction) Summer Camp**
  - 2 camps focusing on growing awareness for females in construction careers
  - 30 female students attended two week long camp in Gwinnett and Augusta
ENERGE Summer Camps

- **THINK! Energy Summer Educators - Lanier Technical College**
  - Two day workshop targeting new material and ideas for teachers & administrators for new classroom hands on activities – 10 teachers/administrators participated in this class.

- **LEGO Camp – North Georgia Technical College:**
  - Program allows elementary students to develop or enhance skill around science, technology, engineering and mathematics for energy related careers in the future.
  - 58 students attended this week long camp

- **Get Into Energy Educator Academy – Okefenokee Technical College**
  - Camp was designed to help teachers, guidance counselors and administrators for middle/high school students to teach different sources of energy, energy conservation and careers in the energy fields.
  - 4 attended this week long academy
ENERGE Summer Camps

- 10 Summer Energy camps
  - 4 Summer camps focus on building awareness around females in energy-related fields
    - 85 total female students attended these camps
  - 2 Summer camps focus on teachers, administrators & guidance counselors to help give tools to bring into the classroom.
    - 14 teachers, administrators and/or guidance counselors attended these camps
  - 2 Focus on growing Engineers in Savannah and surrounding areas.
    - 44 students attended these camps
  - 1 Summer camp focuses on building awareness in elementary school children
    - 58 Students attended this camp
  - 1 Summer camp focuses on building future engineers
    - 30 students attended this camp
Questions?