So You Want to be an Energy Engineer?
Founded in 2001, over 220 assessments completed

New Grant -> Changes
- New Director
- New Satellite Center at Clarkson University
- Student involvement from ~ 5 students to ~ 13 students

Current Center Makeup
- 3 graduate
- 7 undergraduate
- 3 undergraduate at satellite
Training At A Glance

- Manuals
- Gear
- Safety
- Non-Active Site Visit
- Bills

- Compressor ARs
- Goatastic
- Co-Lead
- Lead

- Training Management
  - Overseen by an experienced Engineer/Analyst (not the lead student)
  - Provides feedback for all analytical training
 Manuals

- Internal Training Manual
  - Written by SU-IAC Alum
  - Office Practices
  - Database Access

- Rutgers Training Manual
  - Technical Info
  - Extremely important for young recruits

- Time Frame: ~2 weeks
Become acquainted with common instruments used
Completed before first site visit

Syracuse Center of Excellence
- Most recent gear training experience
- Utilize equipment in mechanical/boiler rooms
- Clarkson students involved
Safety protocol outlined in internal Training Manual

Safety Orientation Training Video by Safety Advantage
Attend assessment with IAC team to observe

Usually will count lights, exit signs etc.

Experience an audit in a “no pressure” environment
Given a set of old utility bills

Create spreadsheets for Electricity and Natural Gas to obtain average rates

Time Frame: ~ 1 month
Use billing analysis

Most common ARs
- Leaks
- Duct Outside Air
- Reduce Line Pressure

Get a feel for writing ARs

Time Frame: ~ 1 month
Mock report write-up

Use billing analysis

Given site notes

Write ~15 common ARs

Emphasis on formatting

Time Frame: ~ 2 months
Must complete all other parts of training!

Assigned a “co-lead” with an experienced analyst

- Walks through pre-assessment process
- Assists in client de-brief
- Reviews final report and assists with upload

IMPORTANT: Trainee acts as lead and “co-lead” supports.
Training is complete

Completely independent and responsible for client/report

Move on to other tasks

- Client search
- New ARs
- New technology
Total Training Time ~ 6 months depends on:
- Year of study (undergrad/grad)
- Time of year (summer/school year)

Evolving Process
- Student Feedback
- Hands on/analytical balance
- Interactive Training
Questions?