IT'S ALL ABOUT WHERE YOU ARE GOING!
WHERE WE STARTED!

Enthusiastic - Excited – Energized - Eager &
VERY SCARED
PARTNERS THAT REALLY HELPED

Shenandoah Valley Energy Partnership
DEVELOPING A GREENER FUTURE

AWEA & MINNIE MOORE
(MANY MORE) 😊

Invenergy

DSLCC Educational Foundation

The Allegheny Foundation

Sister Colleges Across USA

James Madison University
A CAREER PATHWAY DESIGN

- **Multiple entry points** (traditional, adult, dislocated worker, incumbent)
- Valid curriculum (DACUM, AWEA matrix)
- Sequential and aligned courses
- Work-based learning (placement mid-program)
- Test out options
- Employment (placement end-program)
- Follow up
AUTHENTIC LEARNING PROJECTS

- Work-based learning
- Going “live” today
- Projects outcomes returned
- Viability of learning over time
- Skill mastery
- AND retention
EMPHASIS ON BREADTH OF LEARNING

- Exposed to technologies – Existing & Emerging
- Safety emphasis (culture)
- Team work (culture)
- Computer as a tool (culture)
- Communication (tool)
- Tools – precision testing, hand, power, industrial
WHERE WE ARE TODAY!

Learning with a lot of help
Expanding Understanding

- Events participating – local, state, regional, national
- Site visits
- Public forums
- Committees
  - Advisory
  - AWEA
  - DEQ
- Solar
- Hybrid systems
- Even a MET tower
It’s all about where you are going
Cannot fully cover every item in any great depth
Mechanical
Electrical
Electronics
Hydraulics
Pneumatics
Composites
Environmental
Tomorrow complicated, technical, and hopefully better.
PLC trainers
Mechatronics
Climbing Tower
Solar – PV and Thermal
INTERACTIVE TRAINING RESOURCES

- Web-based resources
- Component replication
- Live Labs with remote access
- Functional 5kW tower
- 2 solar arrays
- Renewable Energy Park
- Public
- Students
WHERE WE WANT TO BE!!??

THERE
Demonstrate College establishment
- Student ambition
- Student ability
- Student persistence
- Student & College advanced levels

- JMU
- WVU
- Virginia Tech
CERTIFICATIONS FOR EMPLOYABILITY

- Graduates
- Feedback
  - Against standards
  - Employers determine value
  - Graduates determine value added
- OSHA 10
- Program assessment
  - *Initials* after name! a *must-have!!*$
A TECHNICIAN CHALLENGE COURSE

LIVE - LESSONS IN VALUE

- Academic
- Career & Technical class
- Multi-disciplinary project team
- Related to renewable energy
- Beneficial surprises for instructor and student
- Solutions for community, individual, business
- Bi-products for classroom and lab