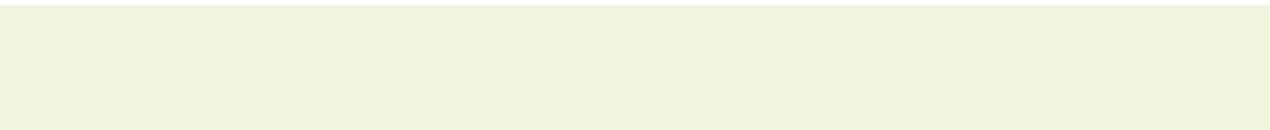


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# **The Sustainable Energy Technology Engineering Academy**

**The Kenton County Academies of  
Innovation and Technology**

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# The Kenton County School District

- 3 High Schools with over 4000 students
- New to 2012-2013 school year-The Kenton County Academies of Innovation and Technology



- 6 Academies



# A District Committed to Sustainability



- **Turkey Foot Middle School**
- **District-wide E=WISE<sup>2</sup> teams**
- **Energy Center**
- **Sustainable Energy Technology Engineering Academy (SETE)**

## District Energy Savings

### Total Savings, Incentives, & Avoided Cost

#### Avoided Cost Due to High Performance School Design Practices

Caywood Elementary 2005 – 2012	\$503,601
Twenhofel Middle School 2006 – 2012	537,070
Turkey Foot Middle School 2010 – 2012	<u>306,071</u>
Total Avoided Cost through Design	\$1,346,742
Duke Energy Rebates and Incentives	549,823
Energy Savings Performance Contract First 3 Years Savings	2,775,242
New Energy Technology – Energy Center 1 <sup>st</sup> Year Avoided Costs	<u>311,425</u>
Total	<u>\$4,983,232</u>

## **A 21<sup>st</sup> Century Education Dedicated to Preparing Students for the Jobs of the Future**

***“The Pew Charitable Trust reports that the clean energy economy grew by 9.1% between 1998 and 2007, compared to growth of just 3.7% in traditional jobs, and the future of the industry looks brighter still. The Obama administration has estimated that occupations in clean energy and sustainability will grow by an impressive 52% between 2000 and 2016.” “Education Insider”***

**[http://educationportal.com/articles/Career\\_Outlook\\_Good\\_for\\_Green\\_Jobs.html](http://educationportal.com/articles/Career_Outlook_Good_for_Green_Jobs.html)**

## Sustainable Energy Technology Engineering Academy (SETE)

- **3 year program**
- **3 classes 10<sup>th</sup> and 11<sup>th</sup> grade**
- **Senior year options**
- **Project and Presentation Based**
- **7 Areas of the Report Card- focus on content, critical thinking, collaboration, projects, presentations, work ethic and writing mechanics**
- **Advisory Board**



# SETE Advisory Board

- **16 industry professionals in the fields of energy technology and environmental science**
- **Including professionals from SD1, New Energy Technology, Energy Systems Group, The Greater Cincinnati Energy Alliance, The Center for Applied Ecology, Duke Energy and Toyota**
- **Education partners include Gateway, Thomas More, NKU and Cincinnati State**



# SETE Advisory Board



# Projects and Presentations



- **Learning through projects in the classroom**

- **Learning through year-long projects**

- **Fall proposal, spring final report**

# SETE Students as Collaborators and Mentors



- **Beechgrove Elementary**
- **District E=WISE<sup>2</sup> teams**
- **Collaborate with high school facilities managers**



# You're Invited!

- We welcome visitors, guest speakers and new additions to our advisory board.
- If you have ideas for projects or resources we can use, please let me know!



# My Contact Info

[laura.engelman2@kenton.kychools.us](mailto:laura.engelman2@kenton.kychools.us)

859-341-2266

**Thank You!**

