

# Sustainable Jersey for Schools

## Sustainability Champions



Three Bridges Elementary School  
(Readington Township School District, Hunterdon County)



Long Branch Middle School  
(Long Branch School District, Monmouth County)



Jackson Liberty High School  
(Jackson School District, Ocean County)



# In This Session You will Learn About...

- What is Sustainable Jersey for Schools?
- How did each featured school become a Sustainability Champion?



# What is Sustainable Jersey for Schools?

A non-profit program that provides tools, training, and grants to NJ public schools to help them implement sustainability initiatives and achieve certification.

- Launched in 2014
- Modeled after successful municipal program
- Free and voluntary
- NJ based and consensus driven
- Awards certification to individual schools but requires School Board and district level support



# Sustainable Jersey for Schools

## Three key components:

- Identifies **actions** to become more sustainable
- Provides **tools, resources, and guidance** to make progress
- Provides access to **grants** for schools and school districts





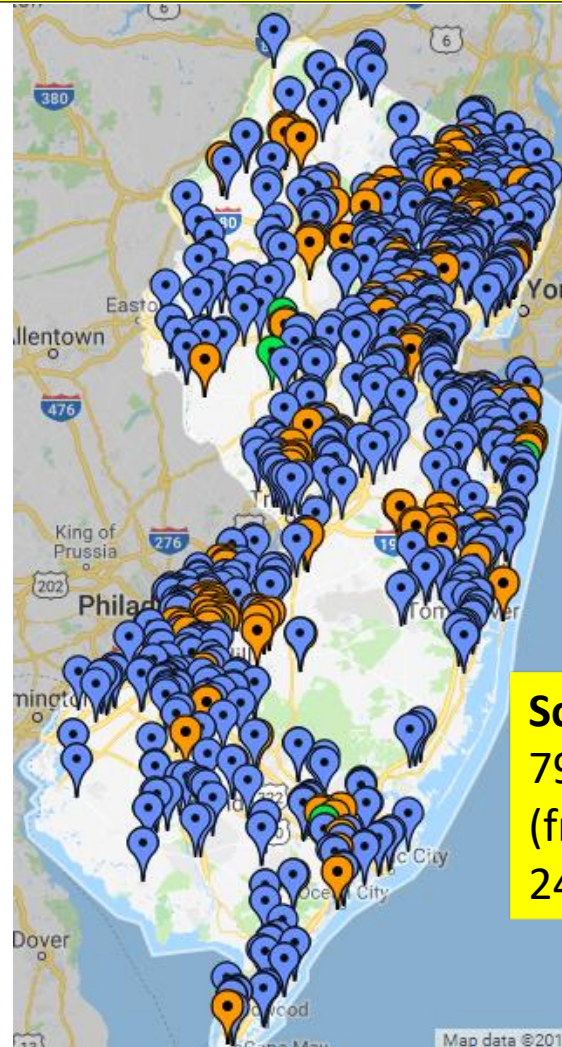
# Program Participants (10/22/2018)

Sustainablejersey.com



**Municipalities:**  
447 Registered  
206 Certified

Sustainablejerseschools.com



**Schools:**  
799 Registered  
(from 308 Districts)  
242 Certified



# Certification Levels



150 points

227 bronze certified schools



350 points

15 silver certified schools



# Program Partners



# Sustainable Jersey for Schools Sponsors

## Sustainable Jersey for Schools Underwriters



## Grants Program



## Corporate Sponsors

### Platinum Sponsors



### Gold Sponsor



Founding Sponsor

### Silver Sponsor



### Bronze Sponsors





# For More Information

- Visit us at [www.sustainablejerseyschools.com](http://www.sustainablejerseyschools.com)
- Sign up for mailing list on website to get bi-weekly E-News
- Email [schools@sustainablejersey.com](mailto:schools@sustainablejersey.com)
- Call Sustainable Jersey Staff
  - Heather McCall 609-771-2469
  - Veronique Lambert 609-771-3427







## Three Bridges School

Readington Township  
New Jersey

**Kristen Higgins**, Principal, Three Bridges School

**Tiffany Barca**, Technology Teacher, Readington Township School District

**Jodi Bettermann**, Energy Efficiency Coordinator, Readington Township School District

# It Takes a Village...

## Key Players in this Application



# WE ARE ALL THE CHAMPIONS





# iSTEAM

- School iSTEAM Committee met on a regular basis
- EfS School Focus Standard

*“It all begins with a change in thinking”*

- The school’s staff and students were challenged to think differently in order to establish a mindset of critical thinking reasoning, collaboration, investigation and creativity.
- Makerspace Curriculum and Implementation Plan





## Third Grade

# Ocean Conservation iSTEAM Project

- Students researched the effects of human actions on the ocean environment
- Students Skype with Ocearch
- Jenkinson's Aquarium
  - Ocean Pollution
  - Structures of Life
- Student Publication - Video - Play
- A Trash to Treasure Museum with public service announcements
- Art Club – Ocean themed recycled items

## The History of Sharks

Did you know sharks have been alive for 450,000,000 years? The oldest shark is the Greenland Shark. The biggest and heaviest shark was the Megalodon. The newest shark was discovered in 1976, the Megamouth Shark. History of sharks is cool.

## Do You Know What Sharks Look Like?

Did you know sharks' livers are filled with oil? Most sharks are identified by their darker upper sides that blend with the water above. Sharks' skin is made out of cartilage, a flexible tissue that gives sharks' their look. There are 465 known species of sharks. All of them look different. Also, sharks look like they glow in the dark. Now you know what sharks look like.



## SEL – School Culture and Climate

- School Culture and Climate Program Inventory
- School culture and climate survey was administered to staff, students and parents
  - Action plan was created to focus on two areas:
    - Increasing parents respect for their children's teacher through better school PR
    - Developing a plan to make sure all children feel safe when riding the school bus.



## SEL – Inclusive Environments Where All Can Thrive

- Maintaining an environment for students to feel safe and thrive academically and emotionally
- Educating our entire student body on autism
- Our goal was to bring awareness and acceptance to the disorder.





## Student Philanthropy

- **Candy Drive** -Over 325 pounds of Halloween Candy our students donated was shipped to U.S. troops via Operation Jersey Cares.
- **Jump Rope for Heart** - This year our students raised over \$13,000.00 for the American Heart Association.
- **Pajama Drive** – Every year we participate in the pajama drive where our school collects new pajamas and books for children in need.





Enhancing School Culture and Performance: Three Bridges Elementary in Readington Township School District

## Raritan Valley Community College

- Sap to Syrup Tree Tapping Excursion
- Science Training
- Habitat Studies



Enhancing School Culture and Performance: Three Bridges Elementary in Readington Township School District

## Hunterdon Medical Center

- Health Fair
- Nutritionist
- Weight Loss/Exercise Classes



## Renewable Energy

Solar panels operational February 2018  
Capacity is 28% of school's electricity needs

Power purchase agreement (PPA)  
15 years at reduced rate

Solar display kiosks in school



# Renewable Energy

## Education and Outreach:

Solar Dedication for community

Solar Assemblies for students

Solar Academy for parents and staff



# Long Branch Middle School

Our sustainable success is the desire of our children to control their future.



# Mr. Brown Long Branch Middle School Principal





**Ms. Careri**

**Long Branch Middle School  
Science Teacher**

# BEACH CLEAN UP









Bistro 63





# Family Garden Project





Tower  
Gardens in  
the  
classroom!







Green Careers



First Stop! Carpenters need wood to make homes, furniture, decks to name a few! Here is where it all starts!







Learning where Maple Syrup comes from!

# Long Branch Middle School Courtyard

Greenhouse

Raised Garden Beds

Quail Habitat















**Mrs. Jena Valdiviezo**  
**Long Branch Public Schools**  
**K-12 Science Supervisor**



# Going Forward!

**Outdoor Classroom**  
**Healthy Eating**  
**Environmental Careers**



*Future home  
of our Chicken  
Coops*

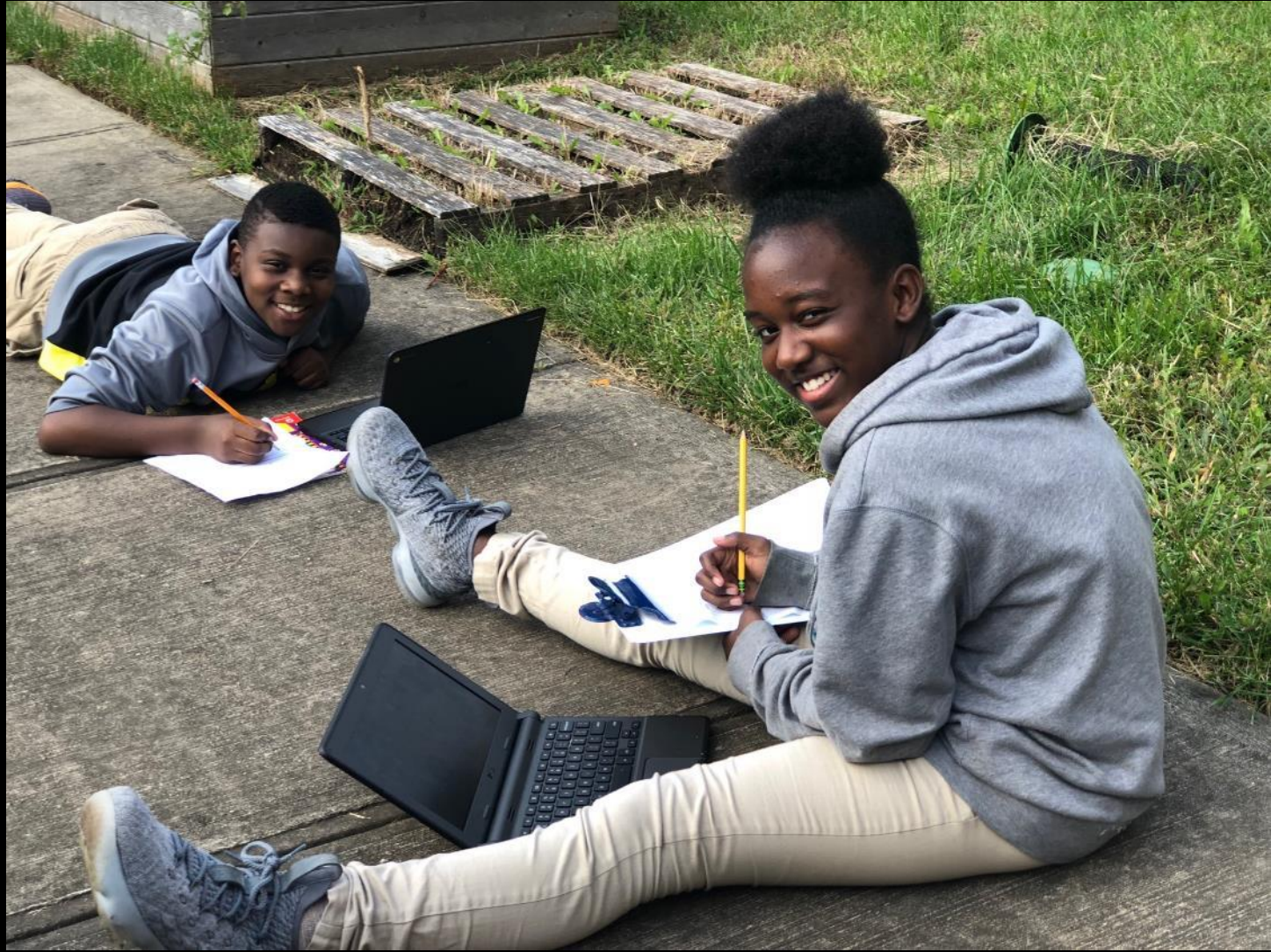


























This year our goal is to partner with local business to highlight careers that embrace the sustainable community we have started.

Healthy bodies and sustainable living is something our students embrace.

They will spread that message to their peers, families and community. They will be the change we need in this world!



**Geoff Brignola, Principal,**  
Jackson Liberty High School



*"Alone we can do so little; together we can do so much."*

*Helen Keller*





## *Culture and Climate*

Students and School  
Pride

Motivated Staff –  
Instructional and  
Facilities

Inspirational Quotes  
Throughout Building

# Award Winning Arts Program

The **Lion,**  
the **Witch,**  
and the **Wardrobe**

Story by C.S. Lewis  
dramatized by Joseph Robinette  
Dramatic Publishing

Jackson Liberty High School

An Allib Players Production

November 17<sup>th</sup> @ 7pm  
November 18<sup>th</sup> @ 11:30am & 5:30pm  
Advanced Ticket \$8/\$10  
Door \$10/\$12  
Children's Tea in Narnia at 4pm-5pm  
(Combo ticket \$15/\$20)

Ticket Information at  
nmmathias@jacksonsd.org

Box Office Hours- Door 39 entry  
2:00-5:00  
Mondays, Wednesdays and Fridays  
starting Oct. 9th

**Tournament Of Bands**



**2017 NEW JERSEY  
STATE CHAMPIONS**

JACKSON LIBERTY HIGH SCHOOL  
"LIBERTY LION BAND"  
OFFICIAL REPRESENTATIVE FOR THE STATE OF NEW JERSEY  
2012 NATIONAL INDEPENDENCE DAY PARADE







THE ALLIB PLAYERS OF  
JACKSON LIBERTY HIGH SCHOOL

Feb. 22 - 24, 2018

*Show Times*  
THURSDAY, FEB. 22<sup>nd</sup> AT 6:30  
FRIDAY, FEB. 23<sup>rd</sup> AT 7:00  
SATURDAY, FEB. 24<sup>th</sup> AT 1:30 & 6:30

*Seating is RE-SERVED*  
TICKETS  
\$14 STUDENTS/SENIORS  
\$18 ADULTS (AGED 18-64)

This play contains mature content and is  
not intended for children under age 13.  
Ticket sales: Tuesdays, Wednesdays, Thursdays 4pm-6pm  
and Saturdays 10am-noon at Jackson Liberty HS  
Use Door #39

*Book, Music, and Lyrics by*  
*Jim Jacobs & Warren Casey*



Produced with Special Arrangement with Samuel French  
Some music with permission from Warner/Chappell

[lib.allib@gmail.com](mailto:lib.allib@gmail.com) [www.nmmathias@jacksonsd.org](http://www.nmmathias@jacksonsd.org)



# *A Day in the Life of Liberty HS*

- Staff Participation in Green Initiatives
- Natural Lighting in Cafeterias and Hallways
- Online Backpack
- Google Classroom
- Recycling and Collection Bins
- Electronic Detention Slips

Natural Lighting in Cafeteria



# School Level Actions with Sustainable Jersey

## Community Outreach and Involvement



- Numerous Student Led Volunteer Programs
- “The Smoke Screen”



### “The Smoke Screen”

What our parents **NEED TO KNOW** about  
Vapes, E-cigs, Cloud Pens and Juuls

Thursday, May 17

7 p.m.

Jackson Liberty High School  
125 N. Hope Chapel Road

## *School Level Actions with Sustainable Jersey*

- Recycled Materials in Art Class

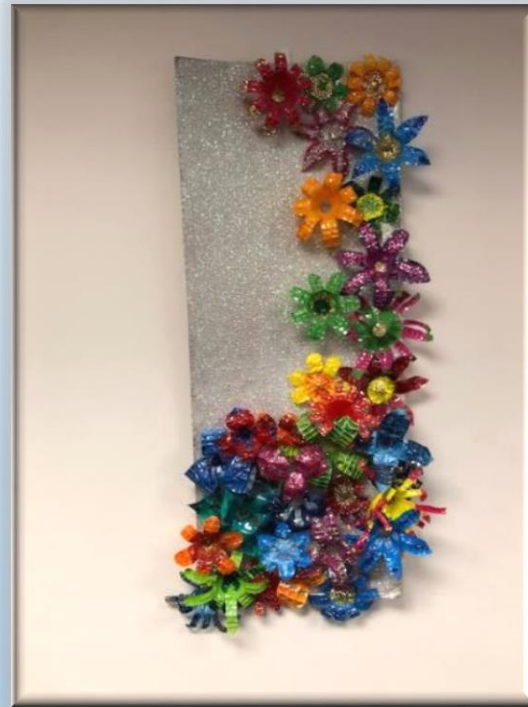


Materials Included Newspapers, Wire Hangers, Containers, and Old Fabric



# *School Level Actions with Sustainable Jersey*

- Recycled Materials in Art Class



Plastic Bottles

# *School Level Actions with Sustainable Jersey*

- Curriculum Mapping
- Trout Project
- Greenhouse and Tower Garden



**John Blair**, Energy Specialist,  
Jackson School District



*We Have a Winner!*

Seventh Annual

KIDS and

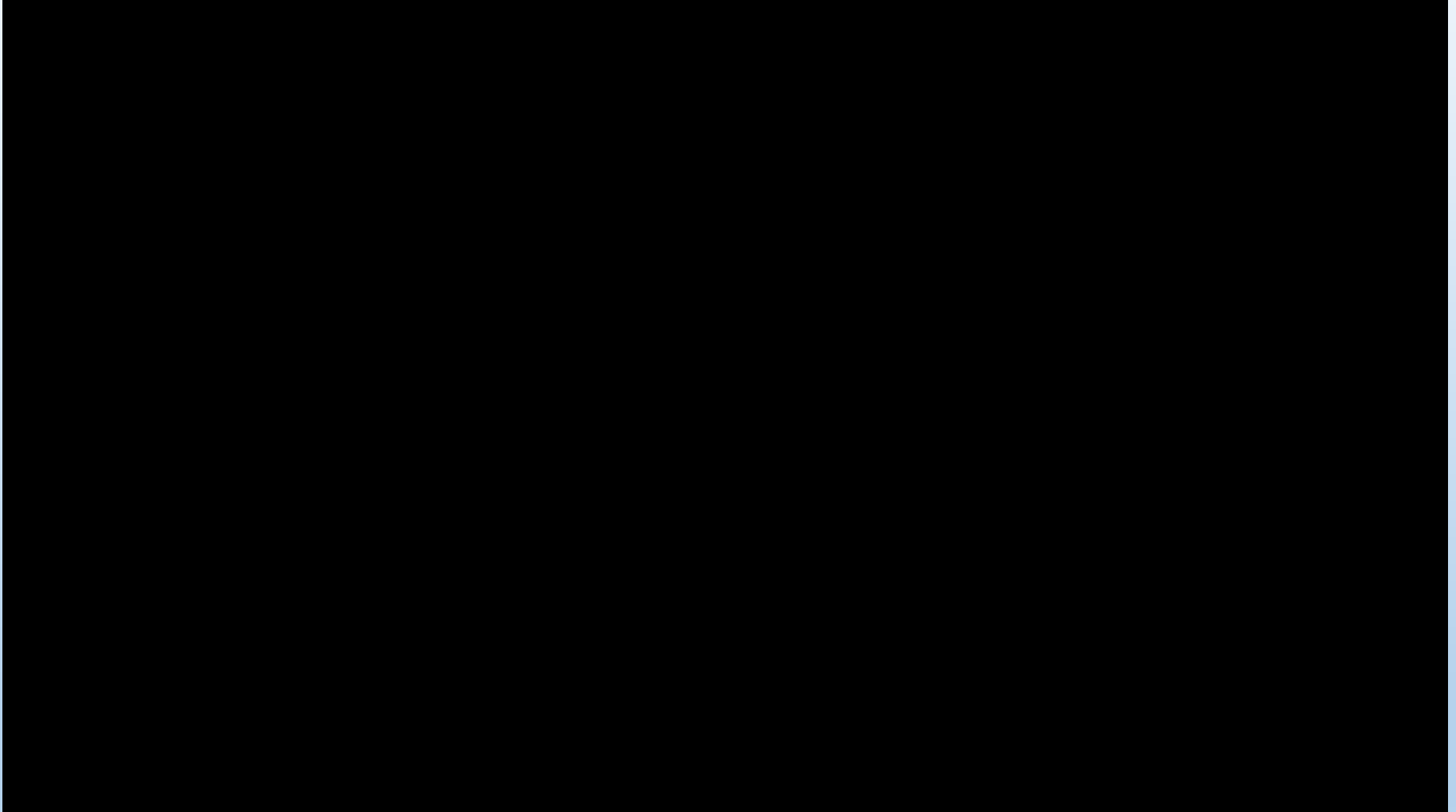
conservation

Video Contest



New Jersey  
Natural Gas

*We Have a Winner!*



*"If everyone is moving forward together, then success takes care of itself."*

*Henry Ford*





# *State of the Art Facility*

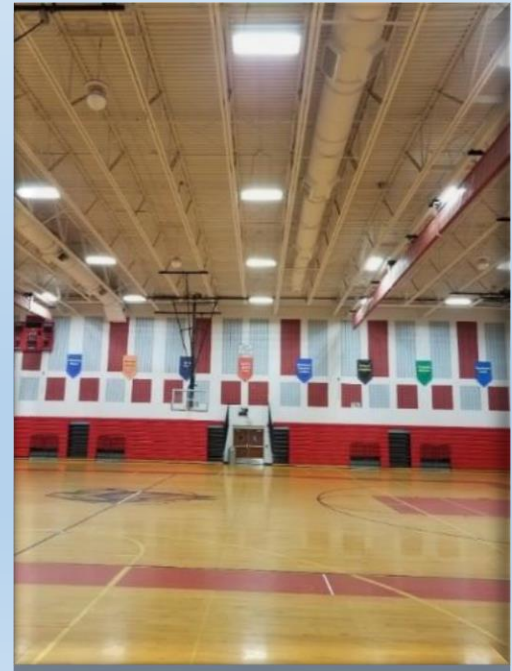


*Solar*



*Geothermal*

*New LED  
Lighting*



# District Level Actions

Sustainability Policy

Green Purchasing  
Policy

Green Cleaning Policy  
and Plan

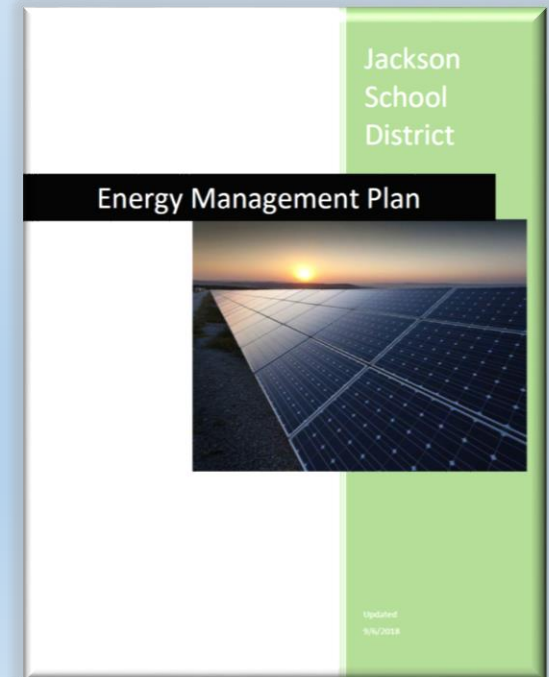
Green Cleaning  
Equipment and  
Training



# District Level Actions

Strategic Plan

Green Enhancement of  
Strategic Plan





# District Level Actions

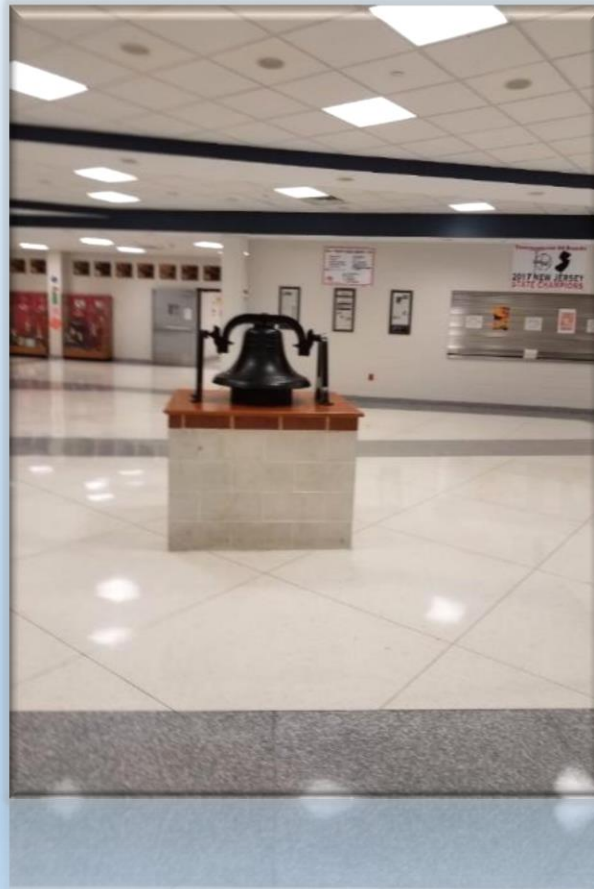
Energy Efficiency

Energy Tracking  
and Management



# District Level Actions

## Green Cleaning



# District Level Actions

Green Teams

Fellowship Through EDF





# District Level Actions

Recycling Non-Mandated  
Materials





# *School Spirit and Teamwork*

