

# **Sustainability Plan**

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# Our Definition of Sustainability

**Sustainability is meeting the needs of the present without compromising the resources of the future**

**Make financial decisions that:**

- restore our world's biodiversity
- decrease negative human impacts
- counteract climate change.



# Solar Panels

One of our main goals as a club is to increase our dependence on solar energy.

- Solar panels
  - Cut the amount of carbon and pollutants released into the air.
  - Are a good investment
    - On average, It only takes about six to ten years for homeowners to break even on the original installation of solar panels.
- Woodruff generates about 90% of the electricity it uses. Since 2012, the panels on GL and Woodruff have saved \$84,000.

# Arbor Day

In celebration of Arbor Day, the districts' schools have agreed to plant a free flowering dogwood from the county.

Planting native plants like this is a step to increasing our biodiversity as a district.

There are more opportunities like these if we choose them.



# Utilizing Our Land

In order to take advantage of our schools land, we would like to replace our school lawns with native, low maintenance plants.

## Potential Replacements:

- Fragrant Sumac
- Sweet Fern
- Mountain Mint

## Benefits:

- Improved biodiversity at Governor Livingston
- Significantly reduced maintenance costs



# Charging Stations

Applying for grants that will have a long lasting impact on the environment

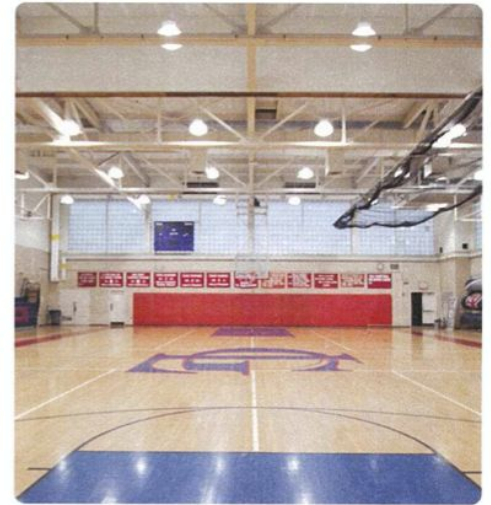
Governor Livingston can apply for grants like It Pay\$ To Plug In: NJ's Electric Vehicle Charging Grant Program

<https://nj.gov/dep/drivegreen/overview.pdf>



# Energy Efficiency

- Light quality improved at school will save money for the school in the future
- 2016 lighting in gym upgraded is expected to save 215,000 dollars in ten years
- Upgrading hallways could potentially save over 100,00 dollars in ten years



**PROJECT LOCATION**  
Governor Livingston High School  
Berkeley Heights, New Jersey

**ENERGY SAVINGS**  
31% Reduction  
from Original Installation

**LIGHT LEVELS**  
80% Increase  
from Original Installation

**RETURN OF INVESTMENT**  
4.2 Years  
Full Payback Period

# Why Is This Important?

- Climate crisis
- Protect future students
- Protect our resources
- Be an example for other schools

