

Funding Your \$ustainability Initiatives

New Jersey School Boards Association Workshop

October 24, 2017



Speakers

Samantha McGraw, Program Manager, Sustainable Jersey

Amy Hogan, Lead School Health Specialist, AtlantiCare Healthy Schools, Healthy Children

Sean Spiller, Vice President, New Jersey Education Association

Maria Spina, Program Officer, PSEG Foundation, Corporate Responsibility Stakeholder & Engagement Specialist



What is Sustainable Jersey for Schools?

- Voluntary certification program for schools interested in sustainability
- Provides framework for action
- Positive impact on the school community
- Move toward a sustainable future
- Recognize and reinforce progress



Benefits of Participation

- Three key components:
 - Identifies actions to become more sustainable
 - Provides tools, resources and guidance to make progress
 - ***Provides access to grants and funding***



Municipal

Schools



445 towns, 201 certified



278 Districts, 691 Schools,
194 schools certified

Program Participants



Grants Awarded

<u>Sponsor</u>	<u>Grants Awarded</u>	<u>Total \$</u>
Gardinier (Energy)	11	\$155,000
NJEA	146	\$540,000
NJDOH	89	\$348,535
PSEG	136	\$400,000
TOTAL	382	\$1,443,535

Funding Levels & Usage

- **\$2,000 grants** - general operating support and direct expenses for Green Teams
- **\$4,000 grants for NJDOH cycles** - fund all or part of a project that will score points for an action in the Sustainable Jersey for Schools program
- **\$10,000 and up** - fund all or part of a project that will score points for an action in the Sustainable Jersey for Schools program



Cycle Timeline

<u>Sponsor</u>	<u>Announcement</u>	<u>Application Deadline</u>
Gardinier (Energy)	Late Summer	October 31
NJEA	Late Summer	October 31
NJDOH (Health)	Mid-April	End of June
PSEG	End of October	February 9

**Please note funding cycles are subject to change and official announcement will be made when funding cycles become available*



Grants Available

The PSEG Foundation is contributing \$100,000 to support the Sustainable Jersey for Schools Grants Program

Four (4) \$10,000 grants
Thirty (30) \$2,000 grants

Application Deadline: February 9



PSEG

We make things work for you.



Eligibility Requirements

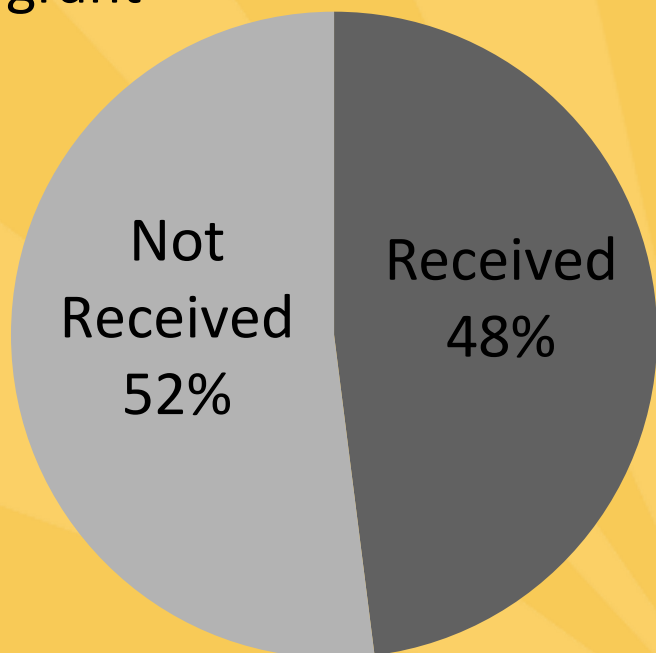
- Registered with Sustainable Jersey for Schools
- Active Green Team
- Use funding to implement an action eligible for points in the Sustainable Jersey for Schools program



What Are My Chances of Getting a Grant?

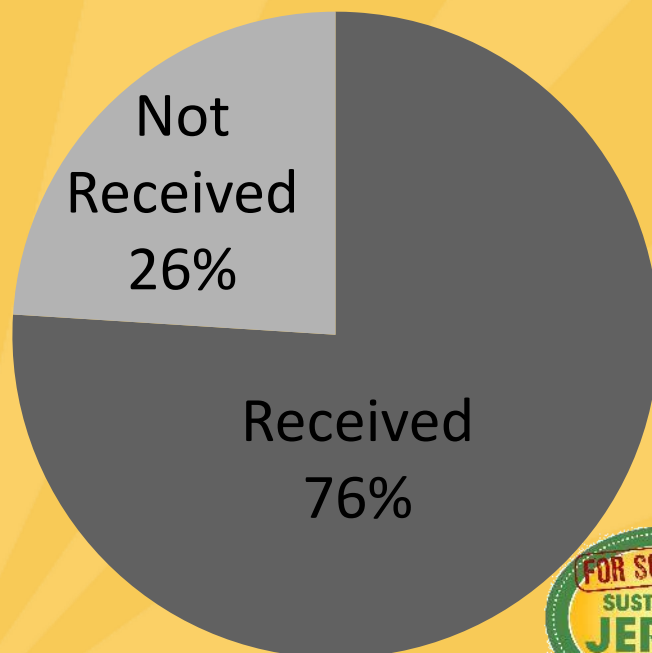
Registered Districts

- 48% of participating districts have at least one school that's received a grant



District with Certified Schools

- 76% of districts with at least one certified school have received a grant



Evaluation Criteria

Project
Description

Project Team
Members

Action Plan &
Timeline

Community
Engagement

Impact on the
Community

Budget



Community Engagement

- Proposed project capitalizes on collaborations between municipal and/or district/school stakeholders.
- The action plan includes efforts to share the success of the project with the wider municipal/school community.



Next Steps

Register with
Sustainable Jersey
for Schools

Form Green Team

Develop Plan for
Certification/Apply
for Grants!

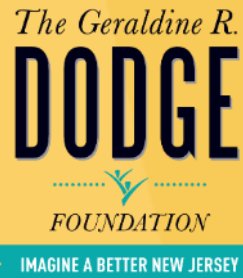


Program Partners



Sustainable Jersey for Schools Supporters

Underwriters



Grants Program Underwriters



Founding Sponsors



Bronze Sponsor



Questions? Call Us!

Grants Program

- Kaitlyn Vollmer, Program Coordinator
- 609-771-3189 or grants@sustainablejersey.com

Schools Program

- Veronique Lambert, Program Coordinator
- 609-771-3427, schools@sustainablejersey.com



Highlighted NJEA Projects



- Sustainable Jersey for Schools Program Underwriter since 2015
- \$750,000 to support a sustainable future for children and communities across the state
 - **540,000** in direct funding to schools through the small grants program



NJEA Funded Small Grants

Grant	2015	2016	2017*	Total
\$10,000	11	10	10	31
\$2,000	35	40	40	115
TOTAL	46	50	50	146

* To be awarded in December 2017. Applications due October 31st



\$10,000 Grant Projects

1. *Growing Responsible Engineers Affecting Tomorrow (GREAT)*

- **Applicant:** Holland Township Elementary School
- **District:** Holland Township School District
- **County:** Hunterdon

2. *Aquaponics in the Atrium*

- **Applicant:** Middlesex City Vocational Technical Schools in Perth Amboy
- **District:** Middlesex City Vocational Technical Schools
- **County:** Middlesex

3. *Digging in the Dirt*

- **Applicant:** Schuyler-Colfax Middle School
- **District:** Wayne Township Public Schools
- **County:** Passaic



Growing Responsible Engineers Affecting Tomorrow (GREAT)

Holland Township Elementary used their \$10,000 grant to build a **22 square solar growing dome** with help from community volunteers. The dome is used year round by students as a living laboratory where they plant and maintain crops with methods that teach them about water conservation, organism interdependence, weather, energy, and composting. The growing dome is fully integrated into the STEM education program for grades K-4, the science program for 5-8 and environmental and greenhouse clubs.



Aquaponics in the Atrium

Middlesex City Vocational Technical Schools in Perth Amboy used their \$10,000 grant to create an **aquaponics garden in the atrium**. This project focused on water conservation, with additional materials, such as a rain cistern, being donated through the school's partnership with Rutgers Cooperative Extension Water Resources. Approximately 100 students were involved in the project, many of which are from the Green Team, Computer Assisted Design class, and Construction Technology class. Students now study the garden, where the waste produced by fish in the middle tank nourishes the plants that grow in the same water. The waste water is filtered naturally through the plant roots to be used again by the fish, making this project a great example of a symbiotic relationship that wastes no resources.



Digging in the Dirt

Schuyler-Colfax Middle School used their \$10,000 grant to **transform an overgrown and unused courtyard into an outdoor classroom complete with gardens for organic vegetables, herbs, and flowers.** The garden was designed, prepared, planned, and is currently maintained by students with special needs as part of their life skills class. These students use the new outdoor classroom to learn about the stages of growth and what it takes to maintain a garden. This project has created a sense of pride and achievement amongst the students who invested their time, effort, and ownership into the gardens.



Before
and
After



\$2,000 Grant Projects

1. *Miller School Clean Air Awareness Program for EHT Schools*

- **Applicant:** Dr. Joy Miller School
- **District:** Egg Harbor Township School District
- **County:** Atlantic

2. *Bringing Recycling into the Classroom*

- **Applicant:** Charles L. Spragg Elementary School
- **District:** Egg Harbor City School District
- **County:** Atlantic

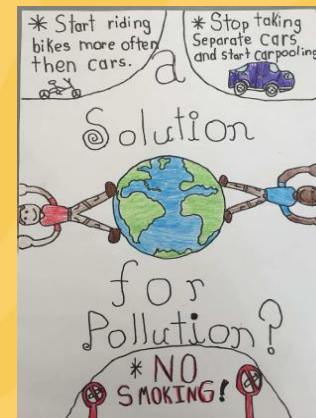
3. *Game Creation with Robots*

- **Applicant:** Mount Hebron Middle School
- **District:** Montclair Public Schools
- **County:** Essex



Miller School Clean Air Awareness Program for EHT Schools

Dr. Joy Miller School used their 2,000 capacity building grant to form a Clean Air Awareness Program to be implemented in all the schools within Egg Harbor Township School District. Custodian and administrative offices handed out educational materials, and the art and science teachers ran an air quality education poster contest. PE teachers and nurses expanded indoor clean energy and asthma education. News releases promoted the success and provided air quality education to the rest of the community. The synergy between students and school employees has made for a very successful program. Since this program was launched, all 10 EHT schools are certified asthma friendly and fly air quality forecast flags.



Bringing Recycling into the Classroom

Charles L. Spragg Elementary School used their \$2,000 capacity building grant to give their first graders an opportunity to learn about recycling and why it is important through hands on experiences, including a tour of the Atlantic County Utilities Authority (ACUA) and lesson plans that involved recycled objects. The first graders not only were able to practice recycling in their school, but were able to see where their recyclables go after they place them in the bin and how they can be converted into different useful objects. Funds were also used to purchase Eco Mats for the school that are made of 100% recycled drink bottles and eco-friendly trash can liners.



Game Creation with Robots

Mount Hebron Middle School used their \$2,000 capacity building grant to purchase the materials needed to maintain the Game Creation With Robots elective and Robotics Club, which use robots as a STEM educational tool to teach programming, teamwork, and problem solving. Almost 200 students have been exposed to this 21st-century way of learning. The progress of this elective has been recognized by BirdBrain Technologies, the mother company of the Finch robot. 15 students participated in a videoconference with one of the primary programmers of the company, Dr. Bambi Brewer. During the conference, students were asked to discuss their game concept, problems that they had to solve, their programming, and other meaningful and applicable topics. In order to engage the rest of the school community, the middle school brings the robots to two of the elementary schools in the district to encourage an interest in robotics and technology.



Funding Your Sustainability Initiatives

MARIA SPINA, PSEG

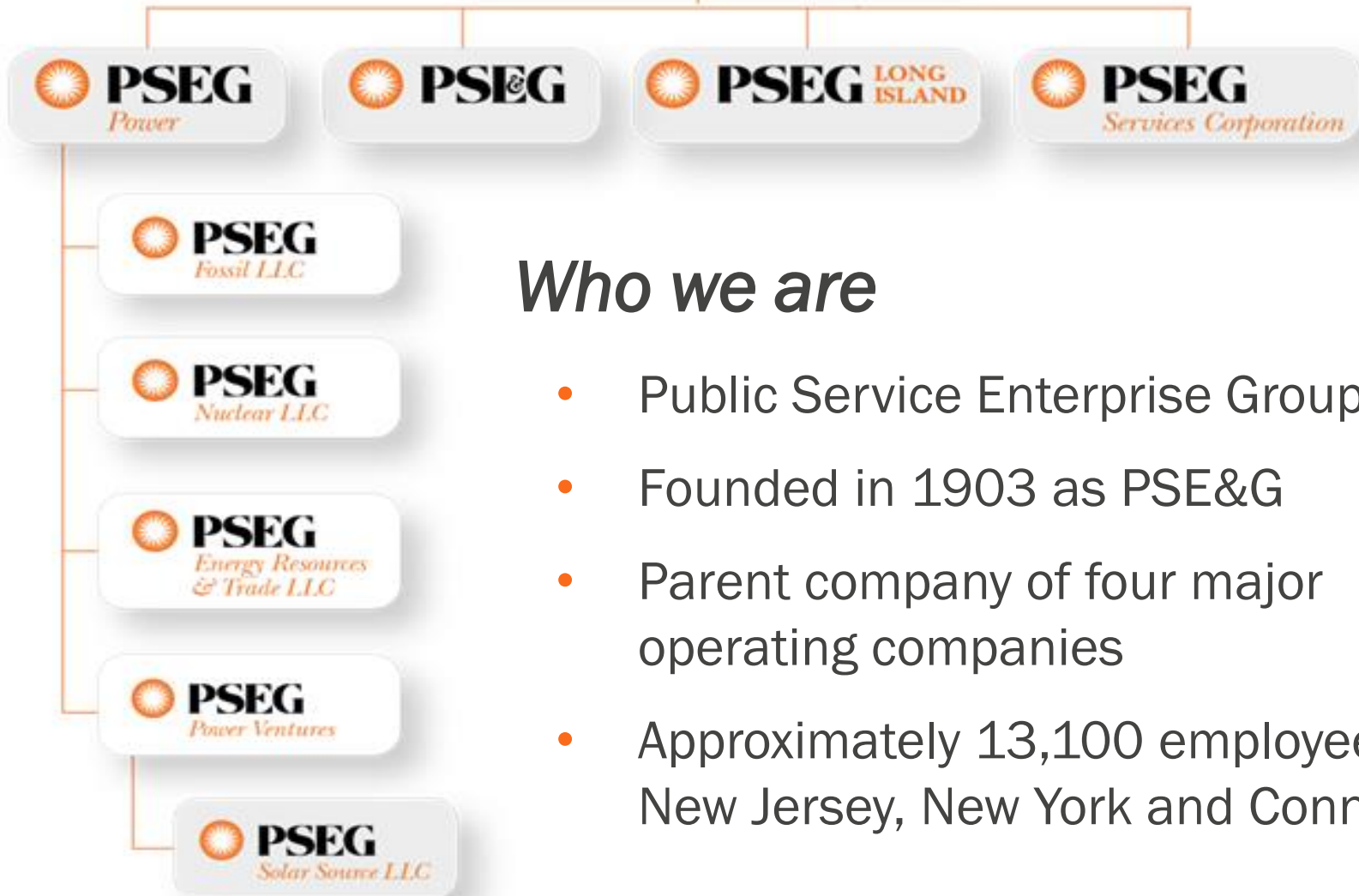


PSEG

We make things work for you.



PSEG



Who we are

- Public Service Enterprise Group
- Founded in 1903 as PSE&G
- Parent company of four major operating companies
- Approximately 13,100 employees in New Jersey, New York and Connecticut



PSEG

We make things work for you.

PSEG Vision

Being a recognized leader for:

- People providing
- Safe, reliable
- Economic and
- Greener...Energy

ENERGY STRONG INITIATIVES

Gas Main Replacement by Town



Electric Upgrades by Town



4 YEARS AFTER SANDY Energy Strong investments are making a difference

WHEN ENERGY STRONG programs are complete...

4 YEARS AFTER SANDY Energy Strong investments are making a difference

123 
HOSPITALS
(AND OTHER CRITICAL CUSTOMERS)
WILL NOT LOSE POWER

460k
FEWER
ELECTRIC CUSTOMERS
WILL LOSE POWER **IF ANOTHER SANDY**
HITS

90k 
CUSTOMERS IN FLOOD PRONE AREAS
WILL NOT LOSE GAS SERVICE

PSE&G is a national leader in energy efficiency initiatives



PSE&G energy efficiency investments total ~ \$400 million.



Efforts target customer groups that tend to be underserved.



Including:

- Small Businesses
- Non-Profits
- Government Facilities
- Hospitals
- Multifamily Buildings



Energy & Environmental Resource Center

LI Customers: (1-800-490-0025)

NJ Customers: (1-800-436-7734)

NJ Gas Leak / Power Outage



About PSEG

PSE&G

PSEG Power LLC

PSEG Long Island



2017 Emergency Plan Poster Contest Winners

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PSEG Energy & Environmental Resource Center (EERC)

About Us

The Energy & Environmental Resource Center is a community resource, introducing new audiences to PSEG and engaging educators, students, policy makers, and environmentalists in conversations about a smarter energy future.

[Learn more >>](#)

Educational Programs

Whether your group is from a school or Scouts, are children or adults, the Energy & Environmental Resource Center has something for you.

[Learn more >>](#)

Meeting Space

The Energy & Environmental Resource Center features attractive auditorium and lobby spaces for meetings and gatherings, along with classrooms and a science lab.

[Learn more >>](#)

PSEG & Sustainable Jersey

- Providing the path *and* the means to enact change
- PSEG Foundation has provided \$1,175,000 in operating and small grants program funding for municipalities and schools
- Municipal small grants - \$20k, \$10k, \$2k
- Schools small grants - \$10k, \$2k
- 194 Sustainable Jersey Certified Schools – 181 at Bronze & 13 Silver level
- PSEG is the small grants underwriter

Why Schools?

- Promote environmental stewardship
- Sustain and strengthen communities where we serve customers
- Create next generation of informed, concerned citizens



Sample Projects



Let's make Piscataway "GREEN"



- Composting ◇ Recycling ◇ Greenhouse & school gardens ◇
- Outdoor classrooms ◇ Farm stand & farmers markets ◇
- Sustainability education ◇ Rainwater collection & rain gardens ◇
- Green team support

PSEG – CORPORATE CITIZENSHIP & CULTURE



PSEG

We make things work for you.



Careers

Investors

Newsroom

Corporate Citizenship



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[2015 PSEG Sustainability Report /](#)



Read Our Report

Sustainability to develop the energy company of the future.

[click here >](#)

[Making NJ Energy Strong /](#)



What Investments Are Being Made?

We are strengthening our electric and gas systems against severe weather conditions.

[click here >](#)

[PSEG Culture /](#)



Diversity & Inclusion

Achieving our diversity and inclusion goals by building on trust, respect and

[Sustainability](#)

[Reliability](#)

[Diversity & Inclusion](#)

[PSEG as 100 People](#)

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Powering a Brighter Future

Since our company's formation in 1903, Public Service has meant more than a name. It represents our commitment to the communities where we serve and live.

We partner with some of the most effective organizations across our territory to strengthen communities and improve quality of life. Learn more about PSEG Foundation investments in the areas of [sustainable neighborhoods](#), [safety](#), and [STEM education](#).

We also know that small grants can lead to big change. We accept unsolicited grant requests up to \$10,000 through the Neighborhood Partners funding program. The application is open between March 1 – September 30, and nonprofits must apply online in order to be considered. Please review our [giving guidelines](#) before beginning an [application](#).

Through our corporate giving, we support [events](#) across our service and operating territories.



PSEG

We make things work for you.

SCHOOL HEALTH NJ PROJECT

USES THE CDC'S WSCC MODEL
(WHOLE SCHOOL, WHOLE COMMUNITY, WHOLE CHILD)





- **\$120k DOH funding (2017-18 School Year)**
Federal Maternal & Child Health Block Grant
- **30 Health & Wellness grants @ up to \$4,000**
- **NJ public schools, grades 6 and up**
- **Registered w/Sustainable Jersey for Schools**
- **Schools earn points towards certification**

2018 DOH FUNDING CYCLE

Health & Wellness Actions

- Access to Health Water in Schools
- Asthma Friendly School
- Breakfast After the Bell
- Healthy Food Choices
- Policies to Promote Physical Activity
- Programs to Promote Physical Activity
- School Gardens
- School Health Assessment
- School Wellness Council
- Staff Wellness Program

Innovative Project Actions

- School Culture & Climate
- COPE TEEN Program





UNION CITY HIGH SCHOOL "PROJECT PURSUIT"



- ▶ Promoted bettering the lives of the participating students while helping their community.
- ▶ 60+ students participated, meeting 2-3x per week for 90 minutes.
- ▶ Activities entailed:
 - ▶ Circuit training
 - ▶ Hiking
 - ▶ Mentoring
 - ▶ Service Leadership Weekend
 - ▶ Lincoln Tunnel 5K with proceeds benefiting Special Olympics

PROJECT PURSUIT





Edgar Middle School

“Walk and Bike to School”



- ▶ Installed 5 new bike racks
- ▶ Tripled the number of students riding bikes to school
- ▶ Provided incentives to promote riding to school
- ▶ Future plans entail requesting local government to consider establishing bike lanes
- ▶ Empowered students to make a difference and create a healthy change within their school

WALK AND BIKE TO SCHOOL



OCEAN CITY INTERMEDIATE SCHOOL

“HEALTH BENEFITS OF WATER”



- ▶ Catalyst for comprehensive evaluation of drinking water infrastructure.
- ▶ Installed 3 new water bottle filling stations with filters and counters.
- ▶ Cross-curricular studies focused on health and environmental benefits of drinking water, the life of a water drop and students creating a water filtration system.
- ▶ Benefited 550 students and staff and 2000 family & community members that utilize the school.
- ▶ Saved over 60,000 disposable water bottles while promoting consumption of water.

HEALTHY WATER BENEFITS



SCHOOL HEALTH NJ

ONLY BY WORKING TOGETHER CAN.....

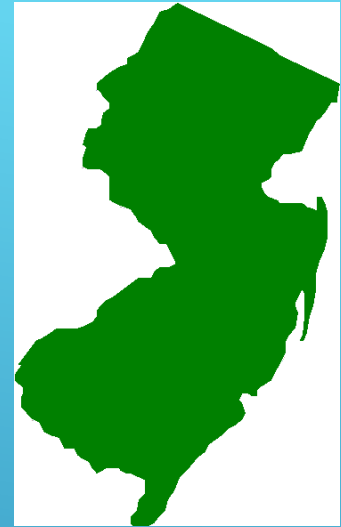
EVERY YOUNG PERSON IN

EVERY SCHOOL IN

EVERY COMMUNITY BE

HEALTHY, SAFE, ENGAGED,

SUPPORTED, CHALLENGED



IMAGINE THE ADDED VALUE & POSSIBILITIES...



Because our
students are
worth it!



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