BE THE FACE OF CLIMATE CHANGE

PPPL
PRINCETON
PLASMA PHYSICS
LABORATORY

U.S. DEPARTMENT OF
ENERGY

EARTH DAY 2013

Welcoming Remarks

Adam Cohen, Chief Operating Officer

Native American Dance
To Honor the Earth

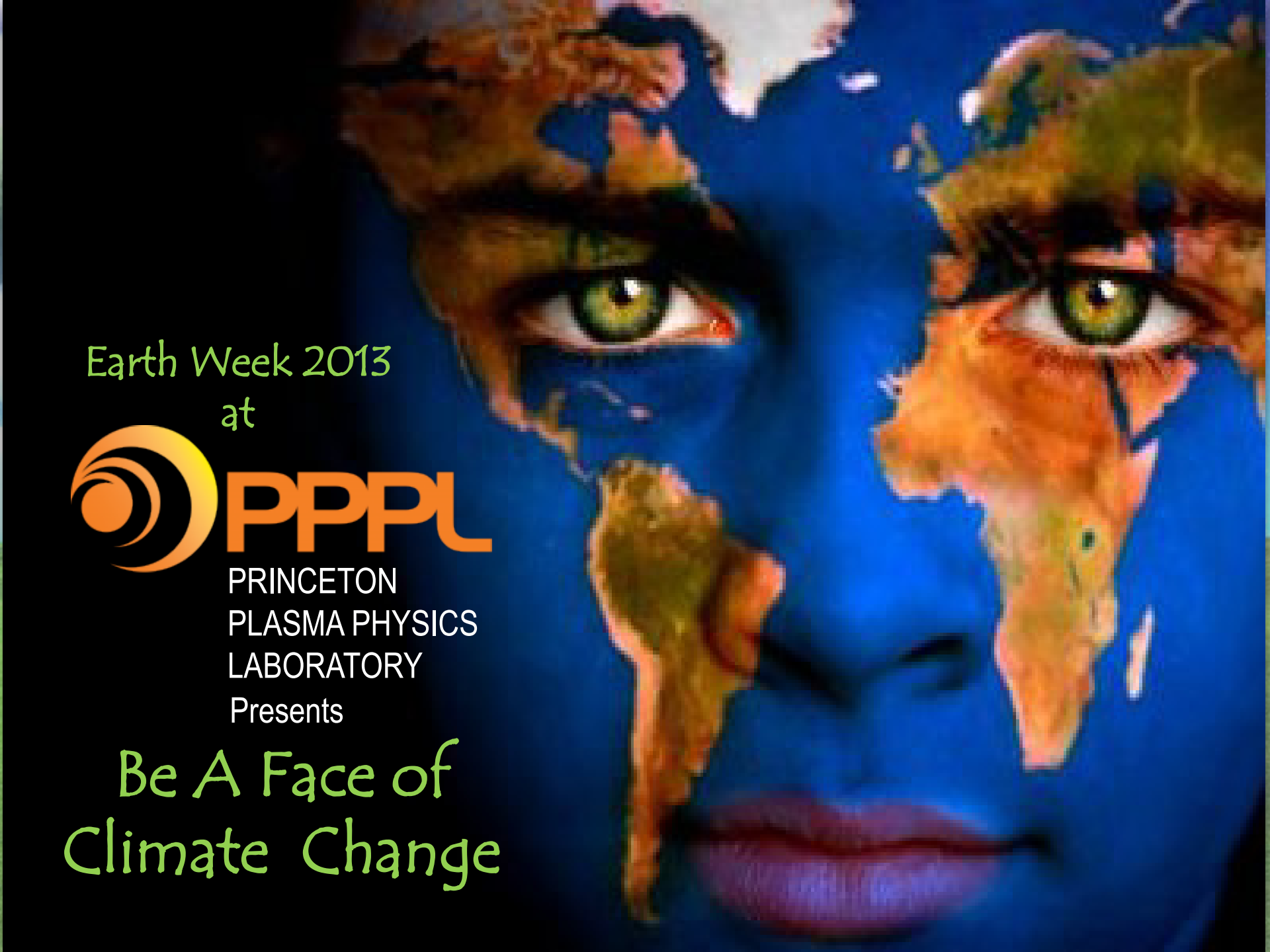
Emelie Jeffries and Company

2012 PPPL Green Machine Awards Presentation

Adam Cohen, COO

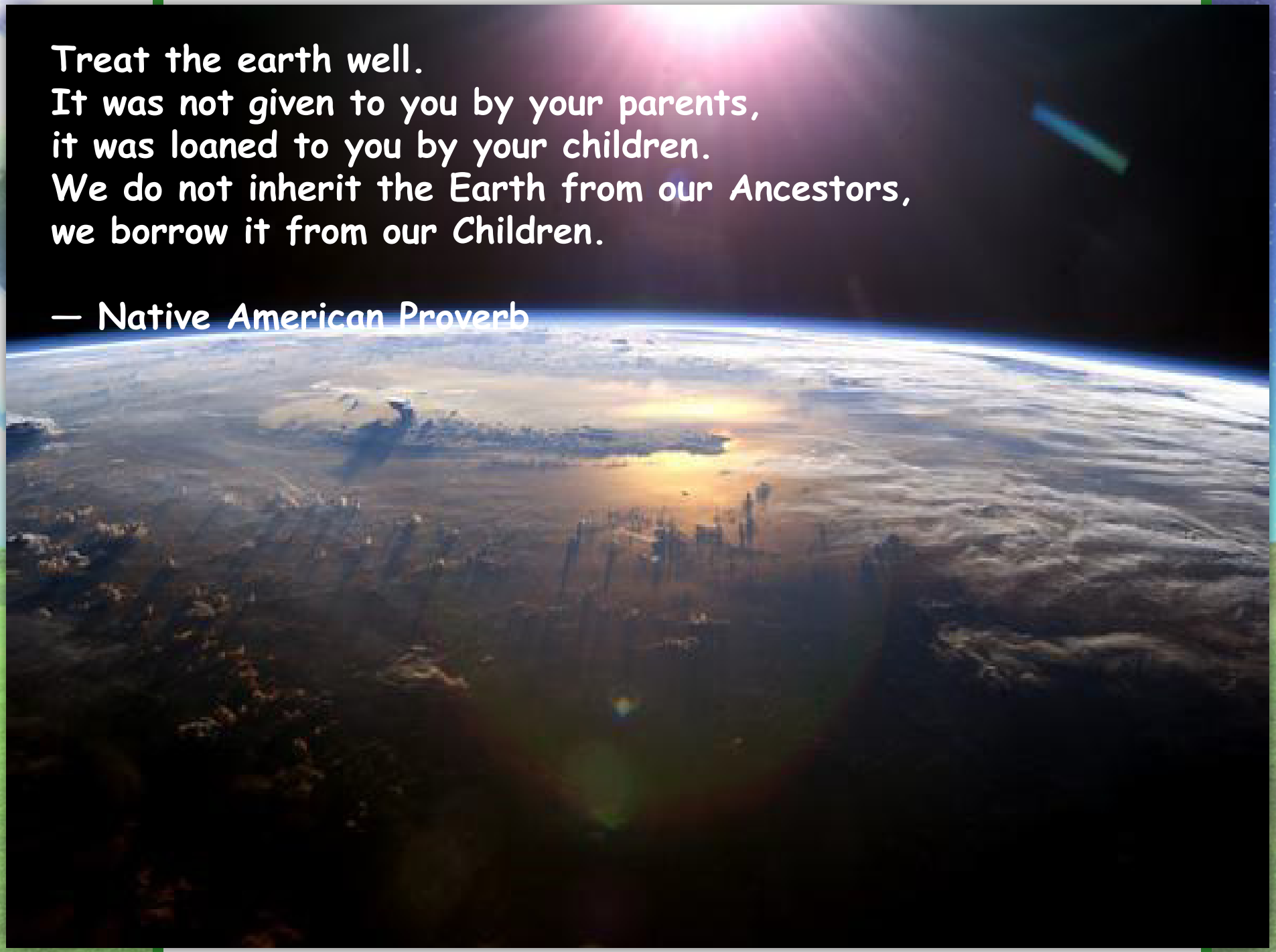
EARTH DAY 2013

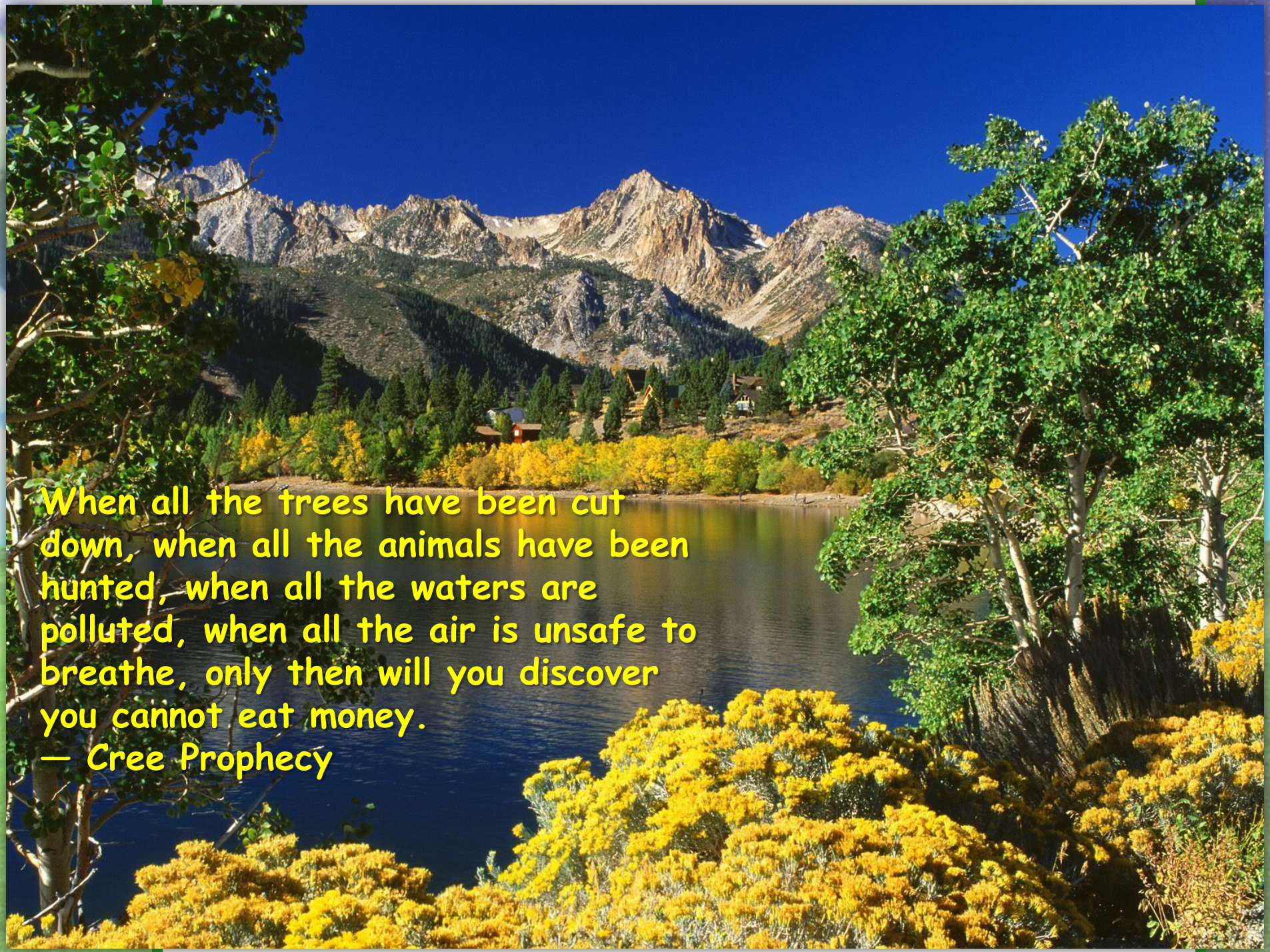
Native Dance To Honor The Earth.


Earth Week 2013
at
PPPL
PRINCETON
PLASMA PHYSICS
LABORATORY
Presents
Be A Face of
Climate Change

RavensWing Productions
presents
The Four Directions Native American Dancers

To dance is to pray,
to pray is to heal,
to heal is to give,
to give is to live,
To live is to dance.


Treat the earth well.
It was not given to you by your parents,
it was loaned to you by your children.
We do not inherit the Earth from our Ancestors,
we borrow it from our Children.
— Native American Proverb


When all the trees have been cut down, when all the animals have been hunted, when all the waters are polluted, when all the air is unsafe to breathe, only then will you discover you cannot eat money.
— Cree Prophecy

The Great Spirit is in all things,
he is in the air we breathe.
The Great Spirit is our Father,
but the Earth is our Mother.
She nourishes us,
that which we put into the
ground she returns to us....
— Big Thunder(Bedagi)
(Wabanaki Algonquin)

Man has responsibility, not power.
— Tuscarora

PPPL's Earth Day Program

"How Global Warming is Heating Things Up at Work"

John P. Dunne, Ph. D.
Research Oceanographer,
Biogeochemistry, Ecosystems, and
Climate Group
Geophysical Fluid Dynamics Laboratory

Pizza will be served for those attending the program.

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The Faces of Climate Change

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Green Machine Awards….

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2012 Green Machine Recipients

Green Team Members

Rose Fuchs
&
Sonja Patterson

Rose & Sonja have demonstrated outstanding support for reducing amount of waste sent to the landfill. They have long promoted sustainability and encouraged staff members to compost and recycle.

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2012 Green Machine Recipients

Boiler Upgrades Reduce Emissions

Bill and Jules managed the boiler control and burner upgrade project . The high -efficiency burners and digital controls reduced the emission rates of nitrogen oxides (NO_x) by **68%** and sulfur dioxide (SO_2) by **82%** since 2009.

Jules Nemeth

&

Bill Gervasi

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2012 Green Machine Recipients

Thin Client Computing

Kristen Ferraro

Kristen's work to develop IT's Thin-client program reduced the number of computers while allowing employees to access PPPL documents and work-related files, saving money and energy!

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2012 Green Machine Recipients

Reducing PPPL's Paper Footprint

George Ascione

Patti Bruno

Bob Hitchner

John Horner

Cathy Saville

Chris Stires

Pete Szaro

Susan Thiel

The HP Division traded notebooks, clipboards, and paper forms for iPads.

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2012 Green Machine Recipients

Reducing PPPL's Paper Footprint

Nicolo Galioto

IT's Nic implemented & updated Print Server 2008 that allowed 60% of printers to default to double-sided printing.

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2012 Green Machine Recipients

Reducing PPPL's Paper Footprint

Kitta and her team post the "PPPL Weekly" online via email and promote informational slideshows on TVs around the LSB.

Kitta MacPherson

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2012 Green Machine Recipients

Reducing PPPL's Paper Footprint

Deedee Ortiz

Deedee replaced 3-ring binders with flash drives and PFD files of the lectures for an undergrad plasma physics course. She replaced 3-ring binders with Kindles for Middle and High School Science Bowl questions.

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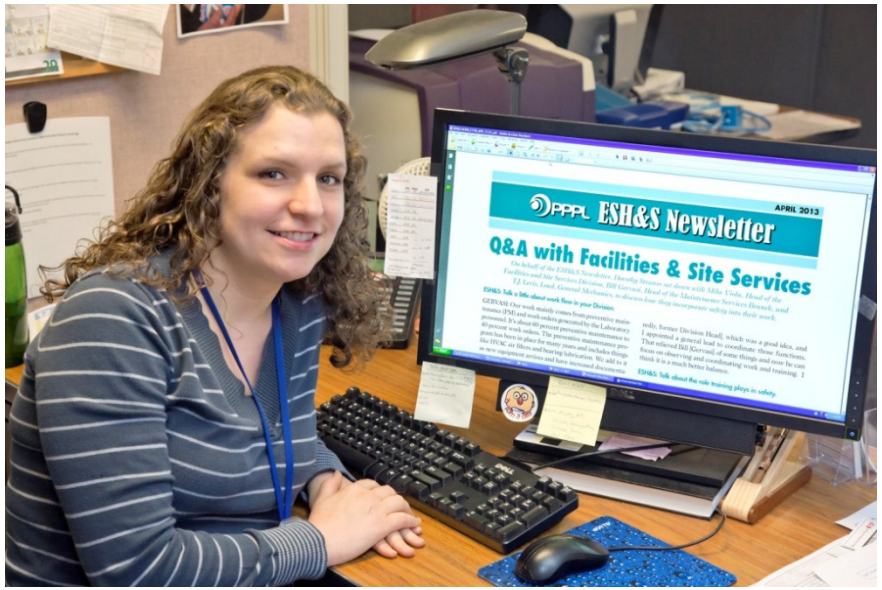
2012 Green Machine Recipients

Reducing PPPL's Paper Footprint



Dorothy Strauss

Dorothy replaced the paper "ESH&S Newsletters" with an electronic version posted to PPPL's website and emailed to all employees.

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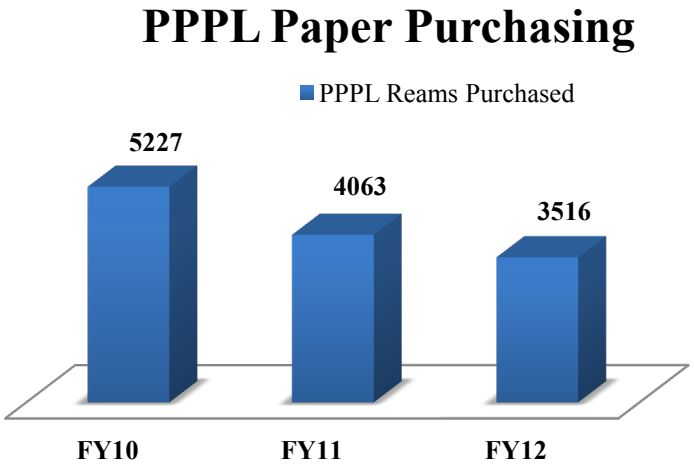
Reducing PPPL's Paper Footprint



33% Reduction in 2 years!

Through the Green Machine Recipients' examples and all employees' efforts, PPPL reduced its paper footprint from an annual average of **11.6** reams of paper per employee in FY10 to **7.8** reams in FY12!

PPPL saved **over 850,000** pieces of paper.
Great job! We can keep improving!

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When PPPL works as a Team:

Office trash reduced by **40%** from FY11 to FY12, meaning less being sent to the landfill .

Composting increased by **46%** from FY11 to FY12, another reduction of landfill waste.

For 2012, PPPL was awarded the **EPA's WasteWise Federal Partner of the Year**!

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We can all be the face of climate change….

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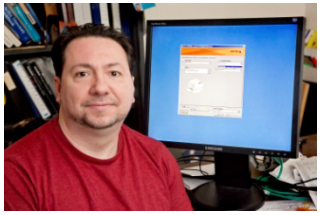

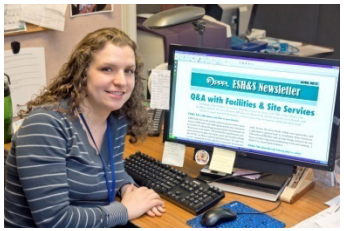

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More faces of climate change….

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Collected 350 lbs. of trash and 35 lbs. of compostables!!

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Special thanks to….

Colloquium Speaker	John Dunne	
Native American Dancers	Emelie Jeffries Jean Morrison Tara Tietz Shea Tietz Giovanni Sanchez David Gandee Patrick Brooks	
Vendors	A. Pomerantz & Co./Steelcase Brock Services Calipher Farms CMF Office Products Kelly's Janitorial Mercer County Improvement Authority UNICOR	
Photos	Elle Starkman	
Earth Week Team Members	Joanne Bianco Virginia Finley Mark Gazo (Brock) Ed Jenkins Leanna Meyer Ana Pinto	Jeanne Jackson-DeVoe Rose Fuchs Mark Hughes Margaret King Sonja Patterson Rob Sheneman

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