







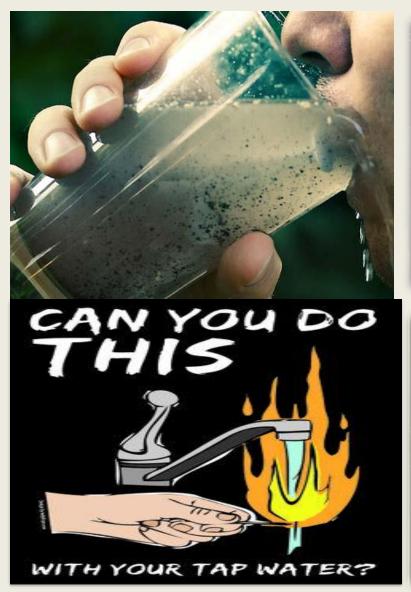


Ensuring Equitable Access to Clean Energy—Jacqui Patterson

Overview

- Challenges of Fossil Fuel Based Energy Production—Who Pays the Price?
- Economic Relationship of Low Income Communities and Communities of Color in the Current Energy Economy
- Policy Constraints in the Emerging Energy Economies—Proposed Remedies
- Integrating Economic Justice Mechanisms
- Keys to Successful Partnership and Frontline Community Leadership
- Promising Models for Equitable Clean Energy Access

Challenges of Fossil Fuel Based Energy Production and the Current Price Paid by African American Communities

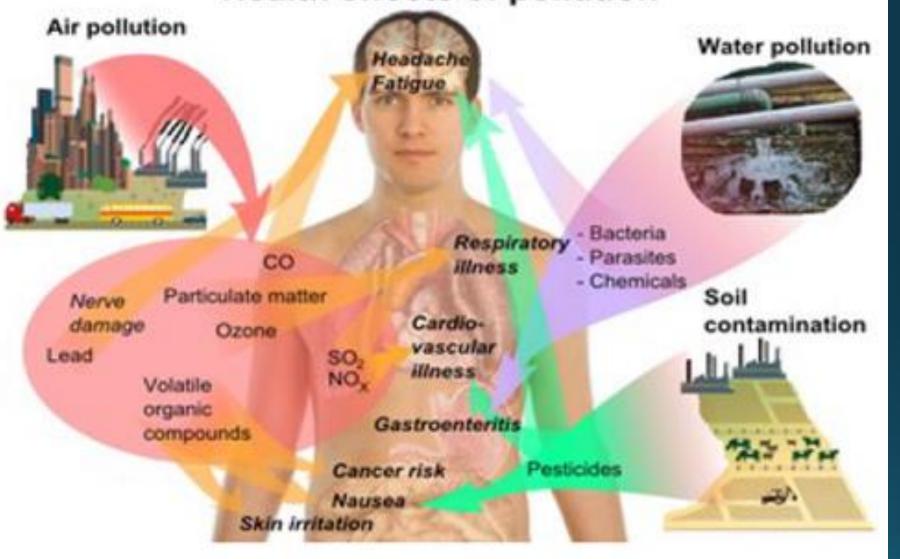






Effects of Pollution

Health effects of pollution











Climate Change









The Economics of Our Current Relationship With the Energy Sector

\$6T

\$41B

1.1%

<.1%

13x

59.2%

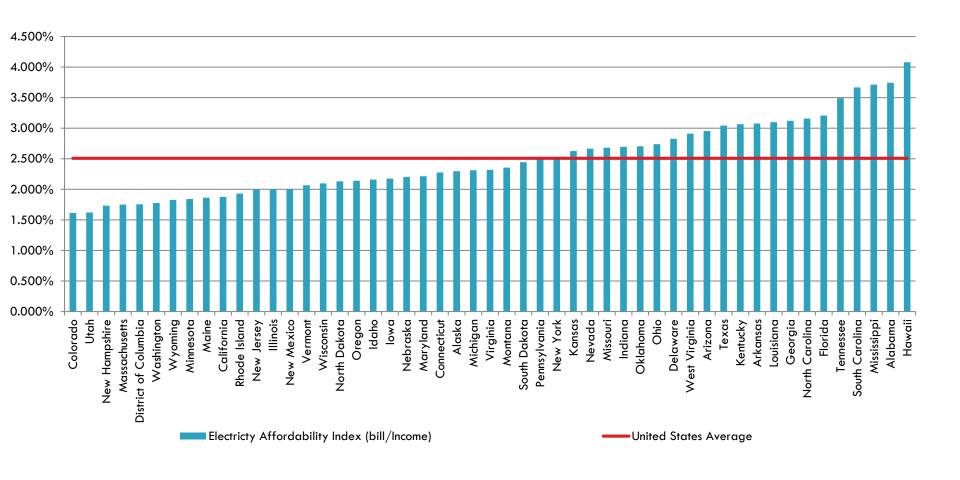
African American Communities and Energy

- African Americans spend a significantly higher fraction of total expenditures on energy use than non-African Americans in America for almost all income levels.
- African Americans comprise 12.7% of the overall population. Based on an eligibility model and selfreporting, African Americans are estimated to receive an estimated 23-25% of LIHEAP funds.

2008 Snapshot of Energy Poverty

- □ By April, Pennsylvania Power and Light Electric Utilities disconnected 7,054 customers---up 168%.
- Duke Energy in North Carolina averaged about 11,000 shutoffs a month--10% of its 1.4 million residential customers.
- For Peoples Gas in Chicago, disconnects were up 27%.
- □ Disconnects were 14% for Southern California Edison
- Shutoffs were at 56% for Detroit Edison--In Michigan, where home foreclosures were soaring and the unemployment rate is the USA's highest, more than one in five Detroit Edison customers were behind in their electric bills by May.

Electricity Affordability Index





Towards Energy Democracy—Equity Based Solutions

Countering Grid Destabilization and Rate Hikes Through Energy Sovereignty

Goal

Ensure that vulnerable communities/households can access sufficient and affordable electricity as we traverse the clean energy transition.

Let's Not Put the New Wine of Clean Energy in the Old Wine Skins of an Antiquated Utility Business Model

Today's Clean Energy Policies

Mostly support:

- Individual homeowners though tax credits, which excludes a third of all families and half of all families of color who don't own their homes; OR
- Large-scale projects like the \$2.2 billion thermal solar plant in the Mojave Desert.





ENERGY DEMOCRACY

SUPPORTING COMMUNITY INNOVATION

For more information, contact

941 Anthony Sied cateron.

The Center for Social Inclusion
ago Broadway, Suite 303
New York, NY 10038
agonizatamo@theco.org
201.148.1785, 145



Lack of Access to Technical Assistance

BARRIER:

Communities of color are neglected by most technical assistance programs

■ SOLUTION:

Technical assistance programs must support community based endeavors in low-income communities and communities of color.



Production Tax Credit Shortcomings

 Federal production tax credit used to finance residential renewables applies only to homeowners.

This shuts out:

- 25 percent of White Americans
- 50 percent of African American and Latino Americans who are renters and cannot benefit from the tax cre dit.



SOLUTION: Expand Beyond Limits to Homeowners

BARRIER:

Focusing on homeowners excludes most people of color

□ SOLUTION:

Expand production tax credits
(PTC) to support community scale projects



Net Metering Limits

- BARRIER: Most net metering rules have cap limits and fail to allow community aggregation.
- SOLUTION: States should support capfree and net aggregation rules.



Limited Grid Access

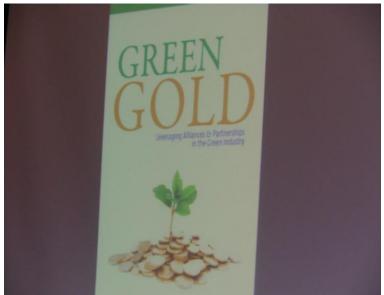
BARRIER:

Communities of color, who are often small business holders, are not ensured access to the electrical grid which gives energy entrepreneurs the ability to sell the energy they produce.

SOLUTION:

The Federal Electric Regulatory C ommission (FERC) can develop equitable access requirements for the grid for small scale produce.





Fixed Charge Issues Specifically

- Limits consumer control over energy costs- Disincentive for saving energy.
- Penalizes those who have already successfully invested in energy efficiency, and raises costs on those customers who use less electricity
- Less Energy Efficiency= continued pollution and lost job creation opportunities.

Community-Scale Energy:

Models, Strategies and Racial Equity

A Scan of Community Innovation around Efficiency and Renewable Energy

July 31, 2013

For more information, contact:

Anthony Giancatarino
Coordinator for Research and Advocacy
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New York, NY 10038
agiancatarino@thecsi.org
212.248.2785 x 1451



Promising Model Solutions

- On-Bill Financing
- Aggregation/Collective Purchasing
 - Consumer Choice
- Rural Electric Co-Ops
- Cooperatives
- Solar/Wind Gardens

Consumer Engagement in Policymaking

Rural Electric Co-Op Boards

Public Service Commission/Public Utilities Commission









Unlocking Clean Energy to Power and EMPOWER Our Communities

National Association for the Advancement of Colored People (NAACP)

Environmental and Climate Justice Program



Pillars of Our Energy Democracy Agenda

- Energy Efficiency Resource Standards
- Renewable Portfolio Standards
- Distributed Generation/Net Metering
- Community Ownership and Asset Development
- Economic Justice
- □ Political Power Building









Local Hire



LOCAL HIRING

AND ENERGY

MODERNIZATION











Minority and Women Business Enterprise Provisions









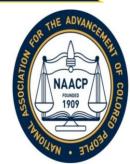


Community Asset Development

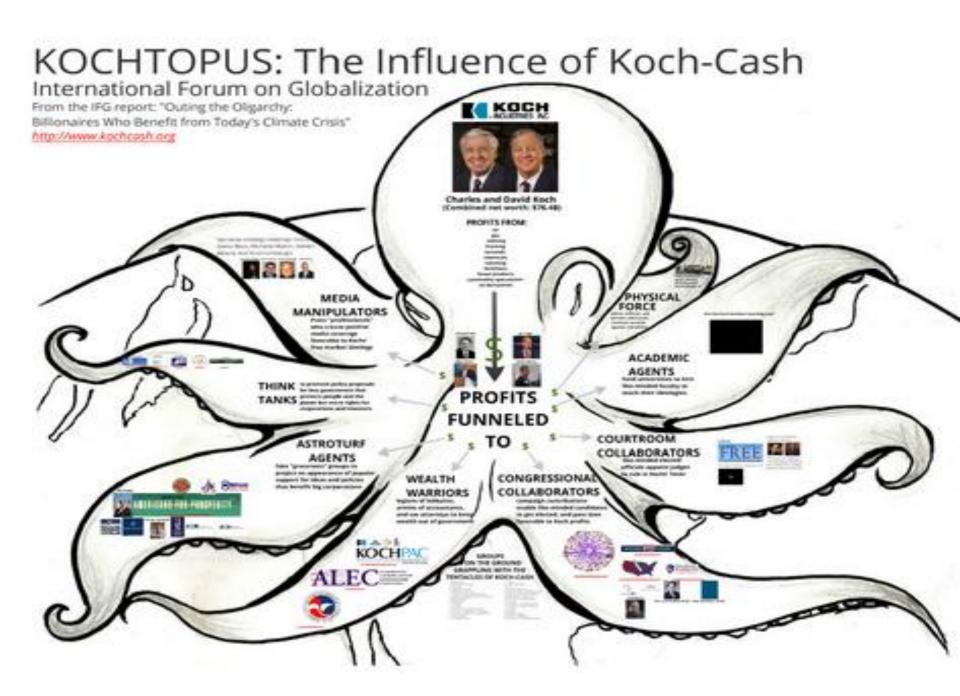


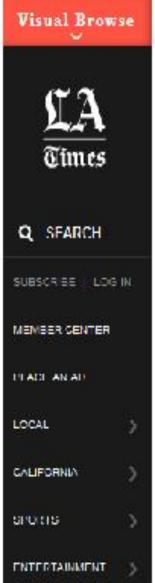
Too few community
ASSET

DEVELOPMENT EXAMPLES!!!



Addressing Alternate Views





BUSINESS

OP NON

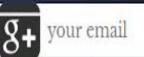
Koch brothers, big utilities attack solar, green energy policies











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HOME → BLOG →

Edison Electric Institute's Anti-Solar, PR Spending Revealed

POSTED BY GABE ELSNER 168.20SC ON JANUARY 21, 2015 - FLAG



In Washington, D.C., special interests spend millions of dollars on lobbying and campaign contributions. But the influence infrastructure reaches far beyond Capitol Hill, according to a new report by the Center for Public Integrity (CPI) that calculates that the biggest trade associations have spent \$1.2 billion on public relations (PR) and advertising between 2008 and 2012, to shift public opinion and pressure lawmakers.

Over the next counts of decades ensaid interests from the seel oil utilities









!!Well Financed, Shrewdly Messaged War On Net Metering!!

...then click the placeholders to add your own pictures and captions.



Home

Overview

Leadership

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National Policy Alliance Resolutions

UPDATING NET METERING POLICIES RESOLUTION

WHEREAS, the U.S. electric grid delivers a product essential to all Americans; and

WHEREAS, electricity runs our economy—it powers our homes, businesses, industries, and the smart technologies and innovations that enhance our quality of life; and

WHEREAS, the United States needs a diverse supply of safe and reliable electricity; and

WHEREAS, the electric power industry is leading the transformation to make the grid more flexible and more resilient to meet the growing demands of our digital society; and

Why Is It So Easy to Drive This Wedge?

- RELATIONSHIPS
- Overburdened communities
- Concrete benefits of partnership for distressed communities
- Effectiveness of fear mongering in already insecure circumstances
- Lack of proactive information sharing/education on counter-arguments
- Energy advocates' and solar companies' low prioritization of most impacted community leadership

NAACP Net Metering Championship

WHY NET METERING

- □ Encourages energy efficiency
- Supports transition to clean energy economy and in so doing, improves air quality, water and land quality, and health and wellbeing of communities
- Opportunity for consumers to own a portion of our energy infrastructure as an investment to keep assets in the home or in the community
- Decentralizes profits of energy sector thereby sharing participation, wealth, and power in decision making

MOUNT ZION BAPTIST CHURCH

-soon marking their 145th Anniversary

HOSTING

INDIANA NAACP TOWN HALL

JUST ENERGY: REDUCING POLLUTION AND CREATING JOBS

JOBS" ENERGY EFFICIENCY "WEATHERIZATION" HEALTH "ENVIRONMENT" STEWARDSHIP



Grag Tapter Indiana State Securior



Parata Barressoniality



Stone Speed Wine Strief, Bureau Erricemental Health Martin Streets Public Health



Executive Streets St. Scotlander



Born Dr. Karl Philip James Popler

MOUNT ZION BAPTIST CHURCH

3500 GRACELAND AVENUE

MARCH 21", 2014

DOORS OPEN AT 5:30 PM

TOWN HALL 6:00 PM TO 8:00 PM

Inquiries non-small Bentes Abdel Rahman, Indiana WAACP Environmental Stimute Justice Chair, InsejnanceCalt.net







IGO Indiana Green Outreach





INDIANA VICTORY

Defeating House Bill 1320









GULFPORT VICTORY

Gulfport NAACP
Instrumental in
Jack Watson
Coal Plant
Cessation of
Coal Burning







SECOND REGULAR SESSION

HOUSE BILL NO. 2197

97TH GENERAL ASSEMBLY

INTRODUCED BY REPRESENTATIVE MCNEIL.

5645L.01I

D. ADAM CRUMBLISS, Chief Clerk

AN ACT

To amend chapter 393, RSMo, by adding thereto seven new sections relating to the Missouri energy efficiency performance standard.



Q&A: How a Missouri Republican became a 'green champion'

Posted on 03/14/2014 by Karen Uhlenhuth

A Republican from an exurban district in the red state of Missouri, Rep. T.J. Berry is also a self-described "green champion."

Berry, who represents an area just outside Kansas City where cul-de-sacs give way to farm fields, is known as the leading advocate for renewable energy in the Missouri House of Representatives. This session, he's introduced three bills which would advance solar energy.



Missouri state Rep. T.J. Berry represents a district just outside Kansas City. (Courtesy photo)

Last year, the Missouri Solar Energy Industries Association formally celebrated Berry for his support of solar power.

However, Rep. Berry hasn't always been such a friend to solar in particular, nor to renewable in general.

Midwest Energy News asked Rep. Berry to trace his evolution from green-energy skeptic to green-energy champion.

Even so, some renewable-energy advocates say there is generally more support in the legislature for renewables this year than in the past. Do you agree?

I think it's growing. The NAACP was here three weeks ago. They had a full [session] on energy and the true-up. When you have organizations with different points of view, that builds [renewables] up. They came at it from the equality point of view.

There are plenty of business people saying, "This is a new industry. We should invest."

It builds a groundswell. What's important is that each of these groups has a different reason, but they all want to do the same thing.

OHIO

MINNESOTA





WISCONSIN

UTAH









Towards Energy Democracy—Equity Based Solutions

Countering Grid Destabilization and Rate Hikes Through Energy Sovereignty

Advancing Opportunities for Low Income Affordable Access and Equitable Leadership in the New Energy Economy

Just Energy Policy Campaign Values

Wellbeing of Communities— Including Safety and Health

Economic Opportunity

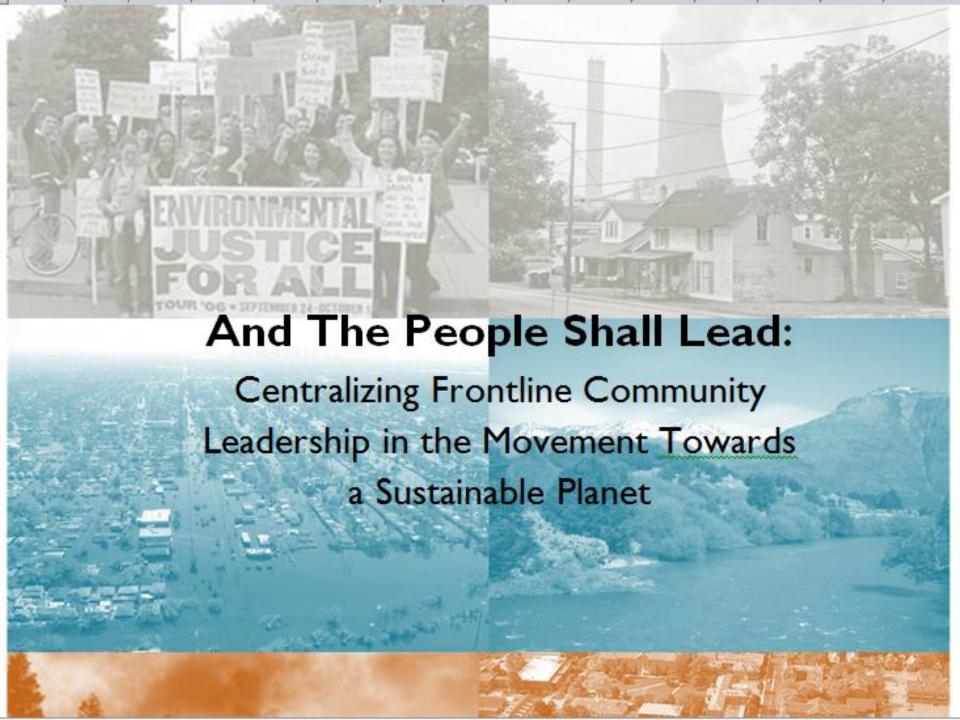
True Democracy

Transition Goals

Prioritize Frontline Community LEADERSHIP in the Energy Efficiency/Clean Energy Transition.

Ensure that vulnerable communities/households will access sufficient and affordable electricity as we traverse the energy efficient and clean energy transition.

Promising Practices



Transition Goals

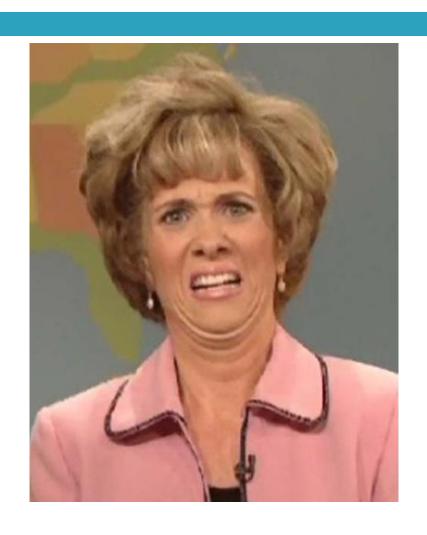
Prioritize Frontline Community LEADERSHIP in the Energy Efficiency/Clean Energy Transition.

Ensure that vulnerable communities/households will access sufficient and affordable electricity as we traverse the energy efficient and clean energy transition.

Frontline Community Leadership



Or THIS!



Keys to Successful Partnership

- Relationships, Not Just Transactional
 - Don't Try to Just Counter with Information
 - Don't Try to Counter with Another Brand of Fear Mongering--Energy Advocates' Style!
 - Don't Try to Counter with a Bigger Check
- Leadership, Not Just "Engagement"
- Holistic, Systemic Strategies
- Show real and tangible risks and benefits for low income communities and communities of color, with multitudinous visible examples

Consumer Leadership in Energy Policymaking

Rural Electric Co-Op Boards

Public Service Commission/Public Utilities Commission

Inclusive SIP Processes

Low Income Access to Solar

On-Bill Financing

- Aggregation/Collective Purchasing (ex. NAACP HQ)
 - Consumer Choice

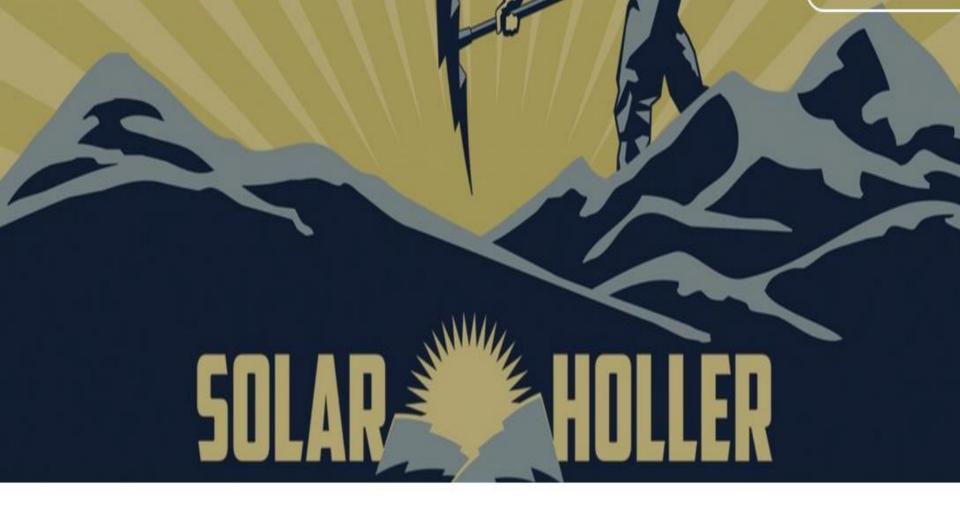
Cooperatives/Solar Gardens

Career/Training Job/Vendor Opportunities

- STEM Sciences
- Training
- MSI Outreach
- Local Hire
- Unionization
- DBE







REPOWERING APPALACHIA

WITH HOMETOWN ENERGY

https://www.youtube.com/watch?v=vr8_kqeYfpU #t=71 1:18 / 5:53

Soulardarity Streetlight Campaign

For Florida homeowner, "biggest barrier to solar is who controls your utilities"

January 2nd, 2015) Clean Energy, Green Economy, Solar) Amelia Shenstone)

This blog is fourth in a series on diversity in the solar energy field in Florida.

Homeowner Michelle A. Vigil has covered her downtown Tampa house and her carport with solar panels (with the help of installer Steve Rutherford, who we met earlier in the series).

Why? "It's good for the environment and it's great for my pocketbook."

Solar policies like net metering to credit her for power she produces and a rebate from her utility, Tampa Electric Company (TECO), put solar within reach for Michelle, a native Floridan who runs a modest, artfully tropical, single-income household.



Billing Period	KWH Del	kWH Rovd	kWh Billed	Monthly Carried Over	YTD Carryover
Jan	- 6	- 6	- 6	- 0	- 0
123/14-2/11/14	261	291	- 0	040	140
2/11/14/3/12/14	310	607	- 0	1497	(537
31214-01014	267	850	- 0	(593)	(1130
4/10/14/5/12/14	546	749	0	(703)	(1333
5/12/14/6/11/14	729	612	- 0	- 0	(121)
6/11/14-7/14/14	1072	456	- 6	- 0	1500
7114/14-8/12/14	1036	364	71	0	- 0
6/12/14/6/11/14	1199	298	901	0	0
9/11/14-10/13/114	695	614	81	0	
10/13/14/11/11/14	245	791	0	(546)	(54)
15/15/14-12/11/14			0	0	

Please note that your current bill reflects a 'In Flat' kWh Credit amount up to but no reater than the total. With delivered to you from TEC. KWN received from the ustomer at Tampa Electric's annual average CDG-1 KWh rate for the prior year, on

customer in excess of kiWh delivered to Customer will be carried over to the next billing period until the end of the year. At that time, any carryover remaining will be paid to the

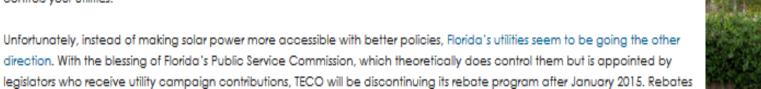
controls your utilities."

She expects to pay the panels off within three to five years, and is already making progress, as shown in the statement from TECO at left (click the image to enlarge). The amounts in red are her credits – at the end of the year, if she has credits remaining, TECO will write her a check for those kilowatt-hours. She estimates that the bills for her 1200 square foot home have dropped from about \$120 to \$42.

Michelle was dismayed to hear that the Florida NAACP had advocated for an end to the solar rebate program, citing concerns that solar energy and energy efficiency don't work for lower-income communities that are more likely to be people of color. She saw right to the heart of the issue:

"I'm of Spanish descent and a woman, and I'm not wealthy by any means. Solar works for me, and with good policies it can work for everyone.

"We all live under the same sun. If you are, say, a black homeowner you have the same opportunities with solar... UNLESS the utilities don't allow your communities to participate – that is more prohibitive than anything else. The biggest barrier is who





Solar Power is the Next Frontier of Freedom, says Navy Veteran Solar Installer

December 18th, 2014) Clean Energy, Environmental Justice, Solar) Amelia Shenstone)

This blog is the first in a series on diversity in the solar energy field in Florida. Check here for future posts.

Retired Navy SEAL Commander Steve Rutherford is on a mission. "That's how I view it," he says. "It's a mission to liberate people."

He's not talking about some overseas front, although he certainly has plenty of experience there, tracking down Al Qaeda operatives and saving American lives in Afghanistan. He's talking about helping Floridians go solar.

Thanks to Florida's net metering policy and rebate pilot program, he and his company, Tampa Energy Solutions, are helping Floridians across the income spectrum break away from utilities by installing solar on their homes.

We met up at the home of one of his clients, a program manager named Michelle who lives on a single income in the heart of Tampa. Rutherford is concerned that the end of Florida's pilot rebate program could prevent people like Michelle from going solar.

"Every step the utilities take to limit [solar incentives] is to keep people bound to them," he says.



Fair valuation is essential to making solar an affordable resource. "Net metering is my number one sales pitch when I speak with a client. 90% of them aren't buying because it's good for the environment; they're buying because it makes sense for them financially as an individual. If we didn't have net metering, I wouldn't be selling photovoltaic solar. And that's 80% of my business.

"My clients are citrus farmers, pilots, doctors, defense contractors, yoga instructors, military members... incomes across the gamut. You know yoga instructors aren't making more than 20 or 30 grand a year."

Getting paid back for the energy they produce makes all the difference.

Tampa Energy Solutions, with five employees, is small but growing. The newest full-time team member is a veteran who is just finishing college – Rutherford says installing solar is a great entry-level position for those finishing military service. He's also working with a minority solar training program that's just getting off the ground in Tampa.

I asked Rutherford how he would respond to claims by some groups that solar incentives harm low-income communities and communities

of color. While he sees broad diversity in his clients, he feels that well-designed policy could make sure solar is truly available to everybody – renters, for example, have less



Support



Economic Opportunity





Want to support clean energy? Fight for voting rights

Outreach

- Joint Webinars
- Bridging the Gap Summits
- Model Solar Champions
- Local Forums
- Collaborative Messaging Campaigns

Unified Campaigning for Energy Democracy

- Embracing SHARED Goals
 - INTERSECTIONAL FRAMING
 - EQUITABLE ACCESS TO CLEAN ENERGY
 - ENTREPRENEURSHIP OPPORTUNITIES
 - STEM EDUCATION, TRAINING AND JOBS
 - TRUE DEMOCRACY

Thank You

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@jacquipatt

443-465-9809