Climate Justice: Beyond Environmentalism

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In December 2016 the Illinois Legislature passed the Future Energy Jobs Act, putting Illinois on the path to a clean energy future.

This new law creates opportunities for landowners, homeowners, businesses, local governments and non-profit organizations to install solar on their own property or be part of a community solar project.

Trajectory Energy Partners works with organizations and communities to find the right solar option for them and builds solar projects with strong community support and integrated into the local landscape.
Solar development done right

Step 1: Trajectory Energy Partners works with landowners, communities, local government and organizations to identify locations for possible solar projects.

Step 2: Once a site is identified we work with the landowner to engage and build support among organization members and the local community.

Step 3: Our team leverages smart siting and a landscape-integrated design approach to make the solar projects a part of the community.
Landscape-Integrated Solar Design

We partner with landowner networks to build solar sites integrated into the landscape and supported by the community.
Trajectory Energy Partners offers two solar options:

1. A business or organization can install solar that directly powers their home or building. Extra energy produced by their solar array is credited to them through net-metering. This is called a “behind the meter” solar installation.

2. Community solar opens up access to homeowners, business, and organizations that can’t install solar on their roof or property. They can participate in a nearby community solar project and be credited for the energy produced by their share of the solar installation.
Trajectory Team: Selected Behind the Meter Project Experience

**Campbell Soup**
Napoleon, OH, 9.8 MWp ground mount

**Amazon**
Middletown, DE, 2.7 MWp rooftop
Behind the Meter Solar Financing Options

**Power Purchase Agreement (PPA)**
- No upfront cost for customer
- Customer signs a long-term, fixed price agreement (typically 15-20 years) to purchase the kWh produced by the solar project
- Solar provider develops, finances, owns/operates the solar project on behalf of the customer
- Most typical option for large tax-exempt entities unable to monetize tax credits

**Direct System Purchase**
- Customer makes a capital investment and purchases the system
- Customer signs a construction and long-term O&M agreement with the solar provider
- Tax benefits flow to customer
The Basics Of COMMUNITY SOLAR
Subscribers to a community solar project can expect to save 5-10% on retail energy rates. Trajectory Energy Partners works with interested landowners to make sure communities near a project can participate and benefit from these savings. These can include:

- School districts, municipalities, and other local governments
- Non-Profit Organizations
- Local businesses
- Residential customers
Trajectory Energy Partners works with landowners to determine if a Community Solar project is feasible for their property.

Community solar projects in Illinois are required to be 2MW or less in size. Characteristics of a good location for a community solar project:

1. 10 to 15 acres of land available
2. Flat land or south facing slopes preferred. Less than 8% slopes required, and no shading from nearby trees or structures
3. Not in a wetland or floodplain
4. Close to 3-phase electrical lines and/or substation owned by Ameren or ComEd
5. No better use for the land for the next 30 years.
Once an interested landowner contacts Trajectory Energy Partners, we work with them through the following process:

Step 1: Online analysis - an online overview of the site from Google Earth can determine if the land has potential for solar, or if key elements are missing.

Step 2: Initial on-site inspection - Trajectory Energy Partners will visit the parcel to document the current site conditions and nearby electrical infrastructure in order to evaluate options for a solar installation.

Step 3: After a potential site for solar passes the initial on-site inspection and analysis, Trajectory Energy Partners will begin the development process with the landowner and sign a site-option lease agreement. Lease payments for community solar projects are above the market rate for agricultural land, and are for a period of 30 years.
Community Solar

Development Timeline and Process

Key Steps in the Solar Development Process:

1. Site-option lease agreement between landowner and Trajectory Energy Partner - 2017

2. Community engagement to educate community and initial local customer acquisition for community solar project - 2017-18

3. Zoning and permitting applications - 2017-18

4. Full-interconnection analysis and design with utility - 2017-18

5. Application for Renewable Energy Credits (RECs) - 2018

6. Engineering and Design of landscape-integrated community solar installations - 2018

7. Customer acquisition for community solar subscribers - 2018-19

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Solar for All: Not for just them, Not for some, Not for the Elite, Not just for the Urban, Rural or well-to-do, Not for most ...but for ALL – FEJA (Future Energy Jobs Act) and Solar for All! Goal of 2,000 Jobs for Returning Citizens and Foster Care Alumni by 2030!
Intersectionality
Solar, Environmental Justice, Energy Equity, & Jobs
"Change will not come if we wait for some other person or if we wait for some other time. We are the ones we've been waiting for. We are the change that we seek."

PRESIDENT OBAMA, Campaign speech 2008
"Until the killing of black men, black mothers' sons, becomes as important to the rest of the country as the killing of a white mother's son, we who believe in freedom cannot rest until this happens."

- Ella Baker, 1964
Having uncomfortable conversations....
Race, Class, Gender, Human Sexuality, Culture of Violence
- Internalized Oppression – Plantation Mentality
- White Privilege and White Supremacy
- Religious Schizophrenia-Gender and Race Conflict

Antiquated Models of Transformation – The problems inherent with Restorative Justice. Honesty and Transparency about a reality that we have yet to fully embrace or experience. Formulating/Creating a freedom we have yet to experience.
• Environmental Justice and Racism
  o System and Power Analysis – Inequitable Trade-offs – Uncomfortable Compromises

• Integration and Intersectionality
  o Poverty, Class and Mass Incarceration - PTSD and Institutionalization (Shawshank Redemption) –
  o Lingering impact of Racism - LGBTQ community and Racism. White Feminism and Racism. White Supremacy and Racism.
“When you do nothing you feel overwhelmed and powerless. But when you get involved you feel the sense of hope and accomplishment that comes from knowing you are working to make things better.”

Maya Angelou
• **Revisionist History and Historical Amnesia** – Whose writing this stuff down!..... Somebody ought to right this stuff down because ain’t nobody could have made up this stuff!

• **The Audacity of Having Radical Hope** – When Barack got turned out? The Power of the Black Church...James Baldwin went from playing church to experiencing the church...
People get ready
There's a train coming

Don't need no ticket
You just get on board

Faith is the key
Open the doors
And board 'em

Don't need no ticket
You just thank the Lord

--Curtis Mayfield, 1965
The Impressions

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Faith in Place empowers Illinois people of all faiths to be leaders in caring for the Earth, providing resources to educate, connect, and advocate for healthier communities.
Exhibitor Passport

- Visit Exhibitor tables throughout the day
- Have them stamp your passport
- Turn in your passport with at least ½ stamped & completed Exit Survey to be entered into a drawing for prizes
Join the conversation!

#GreenTeamSummit

@faithinplace