

SolUnesco Overview



Virginia-based SolUnesco is a leading local solar developer who also spearheads state and local policy development.

On-the-ground presence and decades of expertise allow SolUnesco to successfully navigate a nascent and complex Virginia solar market. SolUnesco operates in accordance with its "Core Values" of Trust, Passion, Creativity, Community, and Expertise.

Currently, SolUnesco is developing 11 solar power farms in Virginia, for which it provides real estate, permitting, interconnection, and project management services.



Leadership Team



Francis Hodsoll
SolUnesco CEO & Co-founder

Expertise: 29+ years experience in energy wholesale markets (electricity, natural gas and petroleum), policy, land use, community relations, strategy, finance, and performance management.

MS, Business Administration, Finance, Massachusetts Institute of Technology - Sloan School of Management

BA, Economics, Colby College



Jon Hillis
SolUnesco President & Co-founder

Expertise: 30+ years operations, finance, human capital development, commercial construction, solar PV energy system installation, project management, construction engineering and estimating, CAD/GIS.

Architectural Engineering, Pennsylvania State University

Rooftop Photovoltaic Systems Installation, Pennsylvania State University



Support Team



Seth Maughan SolUnesco Director of **Project Development**

Expertise: Site procurement engagement with landowners, stakeholder relationship management, permitting, interconnection, and site work.

MS, Energy Policy and Climate, Johns **Hopkins University**

BS, Geology, Western Washington University



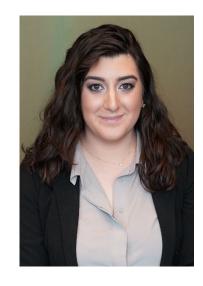
Aaron Morrow Advisor, Markets and Analytics

Expertise: Financial modeling, finance, market assessment, quantification, and project valuation.

MBA, Tepper School of Business, Carnegie Mellon University

MS, Mechanical Engineering, Rensselaer Polytechnic Institute

BS, Mechanical Engineering, Montana State University



Lea Maamari SolUnesco Research & **Marketing Senior Associate**

Expertise: Policy research, marketing, urban planning, sustainability, environmental problem-solving.

BS, Environmental Policy & Planning, Virginia Polytechnic Institute and State University

Proprietary & Confidential



Susan Posey Administration

Expertise: Administrative management, executive C-suite support.



Contracted & Future Team

Additional Contract Positions

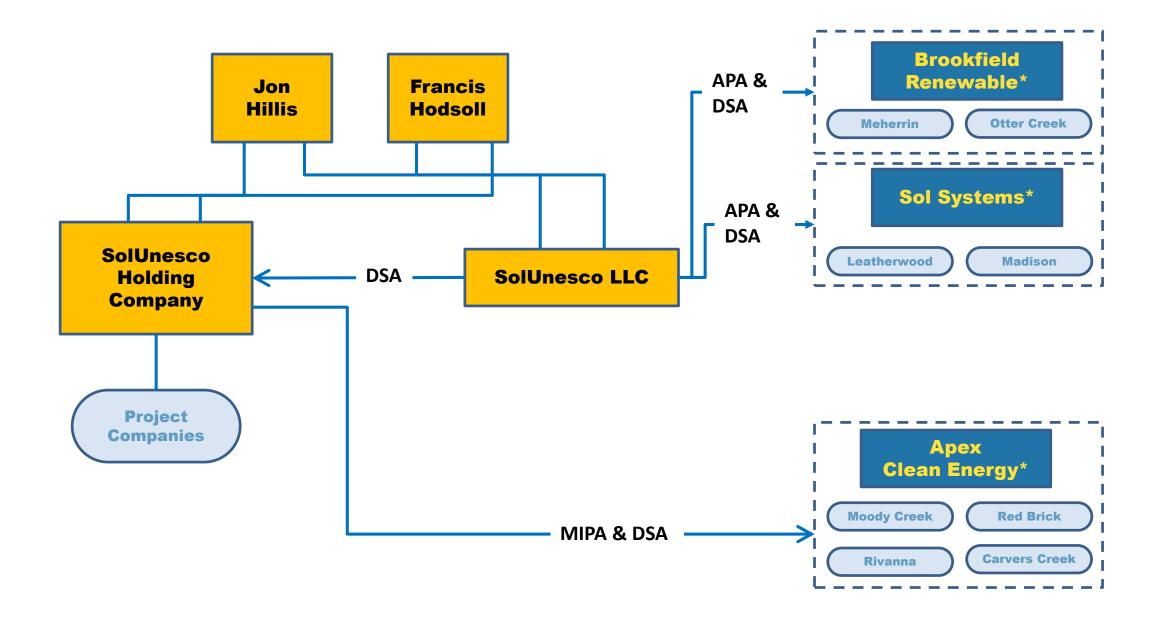
- Controller: Bart Rowe
- Communications Support:
 Melody Gee
- IT Support: ETTE & Kyle Borg
- Southside VA Representative:
 Lauren McCarty

Open & Future Positions

- Interconnection: Senior-level interconnection economics expert
- GIS / Analyst:
- Summer Interns R&D



SolUnesco Structure



Proprietary & Confidential



Projects and Milestones

July 2015	Hodsoll and Hillis form SolUnesco, entering the untapped utility-scale VA solar market (April 2015 Gov. McAuliffe signs Bill finding 50 MWs in the Public Interest and SolUnesco forms the VA Utility-scale Solar working group – 26 entities.)				
Nov 2015	Joint Development Agreement with One Energy Renewables led to initiating six VA projects totaling 230 MWac.				
Sep 2016	SolUnesco repurchased portfolio after Sun Edison bankruptcy forced One Energy to abandon Virginia.				
Nov 2015— Mar 2017					
Nov 2016— Apr 2017	Sold four projects (120 MWac) to Sol Systems. Entered into a similar <i>Boots-on-the-Ground</i> DSA. Cypress Creek purchased two projects				
Jul 2017— May 2018	Continued developing Brookfield and SolSystems projects and created a new early stage development portfolio consisting of four projects in Virginia totaling 380 MWac.				
Mar 2018	Virginia General Assembly increases amount of solar/wind in The Public Interest to 5,500 MWs . SolUnesco represented the industry's working group supporting the negotiations				
Jun-Sep 2018	Sold four projects to Apex Clean Energy				
Mar 2019	Provided Enel 120 days Exclusivity for two projects				



What Sets Us Apart

Staff

We hire the best, then carefully develop their talents to create a skilled and expert staff with a competitive edge.

Process

We are disciplined and adaptive, engaging with key stakeholders to gather intelligence, understand requirements, work collaboratively, and deploy resources to fully address every need in the development process.

Knowledge

We have a balanced focus on commercial and policy to drive the market and develop key relationships to access crucial information.

Track Record

We were an early mover in the developing Virginia market, now with the largest market position in the state. Together with Intermix, we have the bandwidth to reach beyond and capture shares in new markets.



Team Expertise

Develop

Sell

Leverage

Lead

Network

Low Mortality

utility-scale solar electric generators (typically > \$100 million) with smaller projects in lucrative markets.

development assets, once projects achieve significant milestones and are de-risked via site control, interconnection evaluations, state and local permits, and site surveys.

market intelligence, consultant and expert relationships, local market expertise to identify opportunities and secure site rights.

market development and definition at State and Local levels to develop market intelligence.

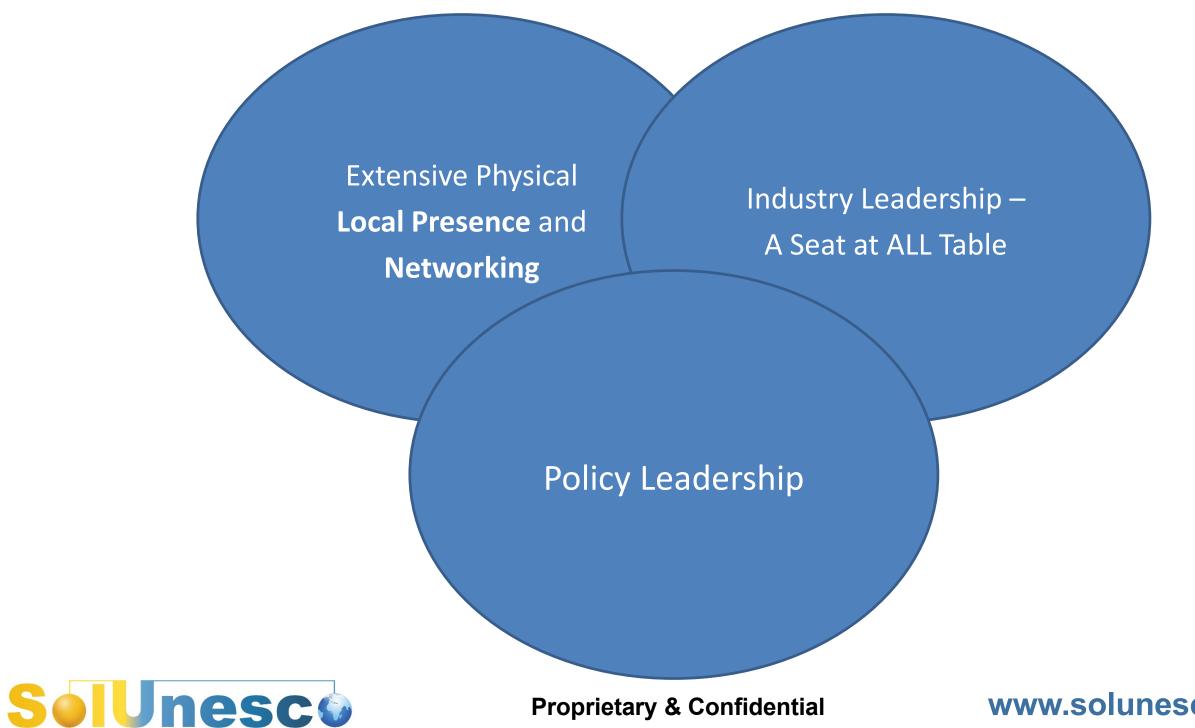
within local markets to support development via identification, engagement, and outreach with local leaders.

with a team experienced in using risk-adjusted development processes and locational (model) attributes.

Proprietary & Confidential



Boots On & Ears To the Ground



Our Track Record of Execution

When faced with project roadblocks, we find creative solutions to move projects to completion.



Between August 2015 and October 2018, we moved the **Meherrin Solar Project** to all new land, collaborated with businesses and other stakeholders to overcome strong NIMBY hesitation and doubts, and convinced Greenville County to allow letters of credit.



Between February 2017 and February 2018, we convinced Mecklenberg County to grandfather in the **Otter Solar Project** under prior ordinances and overcome NIMBY skepticism and fear.



Between January and October 2018, we convinced Charlotte County to abandon old density and size restrictions to push forward the **Moody Solar Project**.



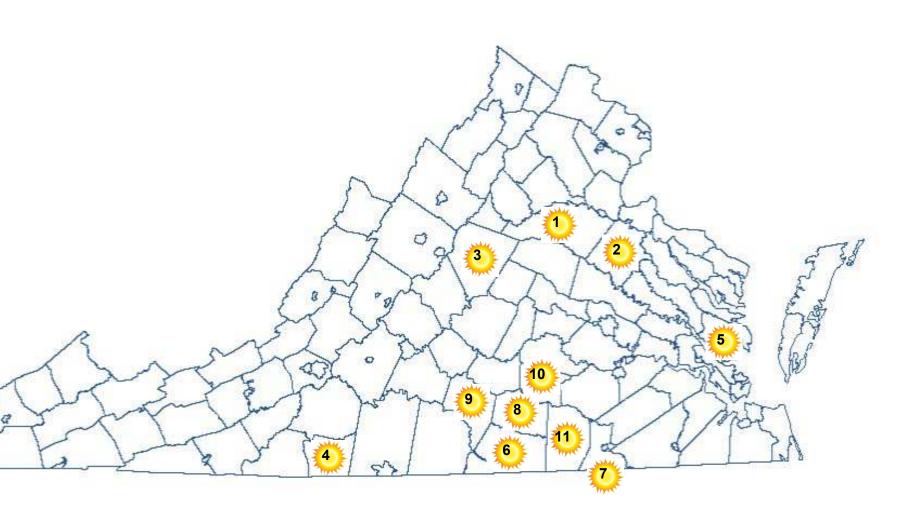
DevTeam Project Statistics





Virginia Solar Projects

- 1. Madison (Orange County)
- 2. Racehorse (Caroline County)
- **Rivanna** (Albemarle County)
- **4. Leatherwood** (Henry County)
- **5. Carvers Creek** (Gloucester County)
- Otter Creek (Mecklenburg County)
- 7. Meherrin (Greensville County)
- **Red Brick** (Lunenburg County)
- 9. Moody Creek (Charlotte County)
- 10. Dickerson Creek (Nottoway County)
- **11.Boxcar** (Brunswick County)



Proprietary & Confidential



Our Development Process

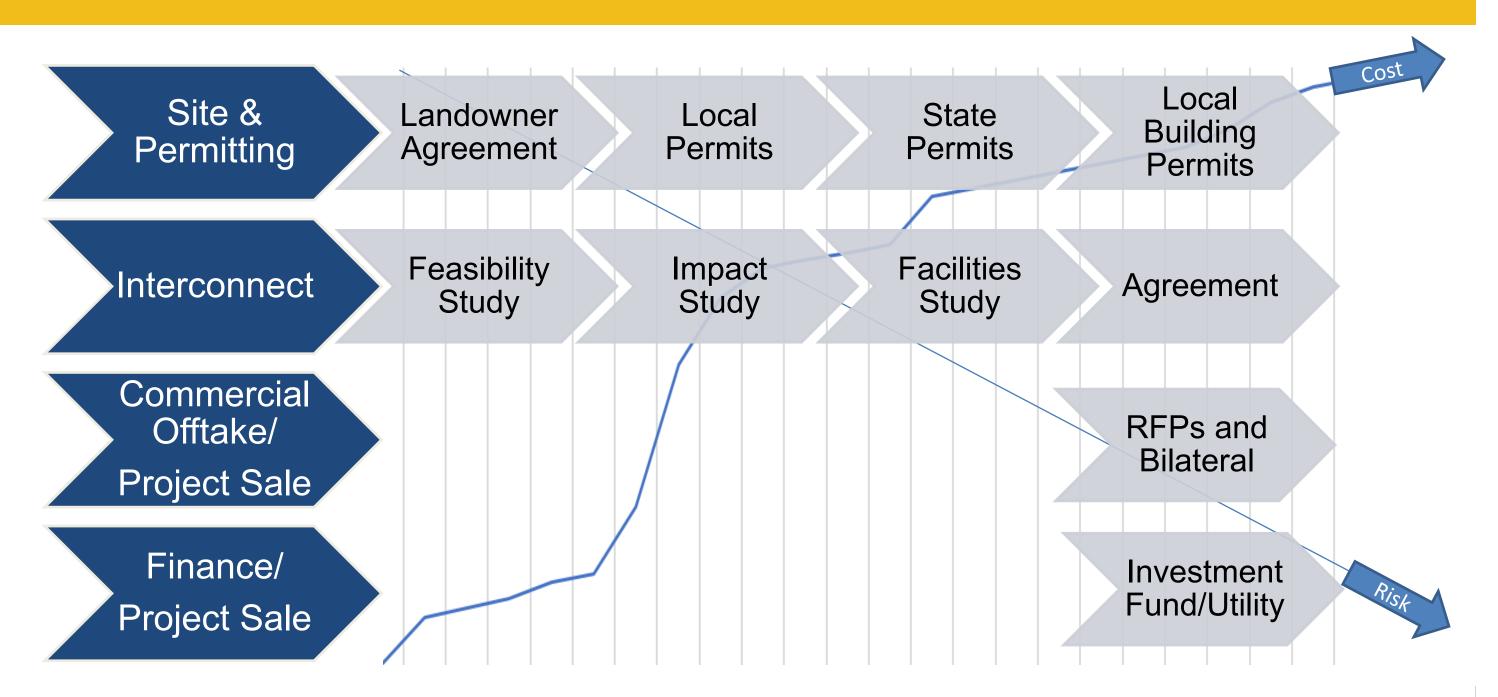
We develop projects with a process that is **streamlined**, **proactive**, **consistent**, and **highly efficient**.

We expertly approach land control, resource management, state and local permitting, interconnection, and asset sales.





Our Process: Tested & Refined





Development Considerations

Location

- Current Competitive Landscape
- Utilities' Market Power
- Interconnection process and cost
- Marketability of power

- State Policy & Regulation
- Energy costs & solar resource
- State & Local Permitting

Size

- Interconnection Processes, Timing & Congestion
- Market History and Trends
- Permitting Limitations

- General Land Characteristics: Slope,
 Parcel Sizes
- Bigger Tends to be Better

Site

- Interconnection Capacity & Known Congestion
- Property value
- Environmental and Physical Characteristics
- Potential for NIMBY

- Zoning & Local Permitting
- Parcel Sizes & Ownership Diversity
- Cultural resources, gravesites, historic preservation
- Previous uses of property



Life Cycle of a Solar Site





Selling Solar

A sampling of 6 solar projects across 5 VA counties projected to contribute:

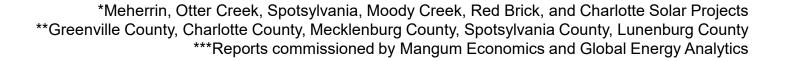
Nearly 1,600 full-time equivalent jobs

\$75 million in direct spending on labor

\$210 million in additional economic output

Proprietary & Confidential

1 GW of energy





Local Permitting

2232

Planning Commission found the project to be "substantially in accord" with the county's comprehensive plan. The Board of Supervisors accepted this finding on April 10th.

Conditional Use Permit (CUP)

- CUP Application submitted November 2018.
- County staff are currently reviewing and making recommendations.
- Public hearings (PC and BOS) are expected in coming months, with opportunity for public input.

Building Permits

Prior to construction, the project will submit a final Site Plan, Decommissioning Plan, and other documentation required by county ordinance and Conditional Use Permit.

Proprietary & Confidential



State & Federal Permitting



VA Department of Environmental Quality

Permit by Rule (PBR): Comprehensive project review with public hearing and comment period, Includes consultation with DGIF, DCR, and DHR.

Stormwater: Project will submit documentation of expected impacts and mitigation plan for DEQ approval.



Southside Soil and Water Conservation District

Erosion and Sediment Control: Project will submit documentation of expected impacts and mitigation plan for Southside Soil and Water Conservation District approval.



US Army Corps of Engineers

Wetland delineation and USACE confirmation.

Nationwide Permitting expected due to minimized impacts to water bodies.



Permit by Rule Process

The Virginia Department of Environmental Quality's (DEQ) Permit by Rule (PBR) process is designed to thoroughly assess any solar project's impact on the environment, including wetlands, historic and natural resources, and wildlife.

To proceed with project construction, a developer must meet the requirements of the DEQ Permit by Rule process, provide all required project-related information, and develop and implement mitigation plans when necessary.





Good Neighbor Practices



Communication

An informational open-house was held for adjoining landowners & key stakeholders in February 2019.



Preserving Agricultural Heritage

- Most land between solar panels is left undeveloped, leaving opportunity to plant native grasses and wildflowers.
- Upon decommissioning, land will be restored and made available for original agricultural use.



Protecting Neighbors' Viewsheds

- Project will be built behind existing vegetation where possible to minimize impacts on viewsheds
- Evergreen trees will be planted where no tree buffer currently exists
- Setbacks of a minimum of 150' will be maintained from residential property lines and roads.



Minimal Activity

- Minor maintenance projects are expected to occur only a few times per year.
- The project will have low or no impact on County services no new roads, utilities or impact on law enforcement.



Credibility & Expertise => Success



HOME ABOUT PROJECTS LANDOWNERS

Best Practices for Utility-Scale Solar Decommissioning in Virginia Pt. 2

by Lea Maamari and Melody S. Gee

other

reauii

proce

faciliti

Fiscal Impact on the County: How does Solar Compare to other Land Uses?





amazon **VOLVO**





















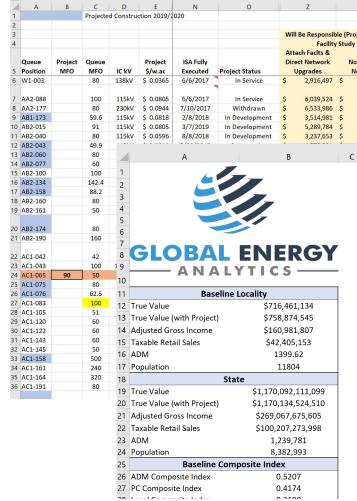


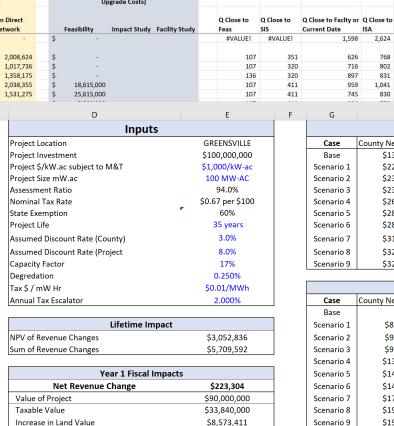












Local Tax Revenue

F	G	Н	1			
		County Impacts				
	Case	County Net (Year 1)	County Net (Year 20)	County Net (35		
	Base	\$134,468	\$89,084	\$2,28		
	Scenario 1	\$223,304	\$103,279	\$3,05		
	Scenario 2	\$233,174	\$138,007	\$3,62		
	Scenario 3	\$233,174	\$170,544	\$4,09		
	Scenario 4	\$267,267	\$115,614	\$3,53		
	Scenario 5	\$280,287	\$158,570	\$4,24		
	Scenario 6	\$280,287	\$198,787	\$4,83		
	Scenario 7	\$312,139	\$127,041	\$4,01		
	Scenario 8	\$327,400	\$178,224	\$4,86		
	Scenario 9	\$327,400	\$227,938	\$5,57		
	County Delta					
	Case	County Net (Year 1)	County Net (Year 20)	County Net /35		

716 897

		County Delta		
Case	County Net (Year 1)	County Net (Year 20)	County Net (35-ye	
Base	\$0	\$0	\$0	
Scenario 1	\$88,836	\$14,196	\$768,8	
Scenario 2	\$98,706	\$48,923	\$1,336,9	
Scenario 3	\$98,706	\$81,460	\$1,810,6	
Scenario 4	\$132,800	\$26,531	\$1,251,4	
Scenario 5	\$145,819	\$69,486	\$1,960,8	
Scenario 6	\$145,819	\$109,703	\$2,553,0	
Scenario 7	\$177,672	\$37,957	\$1,731,8	
Scenario 8	\$192,932	\$89,140	\$2,584,4	
Scenario 9	\$192,932	\$138,854	\$3,295,2	



\$284.170

SolU's Drive

Our company highlights and milestones demonstrate a deep knowledge of market conditions, the agility and resources to make strategic and early moves, our capacity and expertise in developing and monetizing projects, and our creative and committed approaches to overcoming roadblocks.



