

# SILVER BROOK SOLAR

RENEWABLE ENERGY SOLUTIONS

Prepared For:

Town of Colchester  
February 15, 2024



# About Us



**Who We Are:** Silver Brook Solar is a Montville, Connecticut-based company. We are a small team of passionate renewable energy consultants and project originators who bring the benefits of the nation's green energy transition to Connecticut towns.

**What We Do:** We secure renewable energy incentives for local governments through our physical portfolio of solar projects. We also originate and develop local solar and battery storage projects—from initial energy audit through "permission to operate" certification, and everything in-between.

**Who We Service:** State, Agricultural, or Municipal (SAM) customers within the State of Connecticut with Eversource or United Illuminating electrical accounts.

**Contact Us:**

sbs@silverbrooksolar.com / 860-908-1882



Lynn



Erik



Branden



Olin



Website: <https://silverbrook-energy.com>  
Email: [sbs@silverbrooksolar.com](mailto:sbs@silverbrooksolar.com)  
Phone: 860-908-1882

# Our Partners - Legal



Michaud Law Group is a small law firm that does big things. The firm works on solar, fuel cell, microgrid, and electric storage project throughout New England, the Northeast, and the Caribbean. Michaud Law Group has assisted in over 260 MW AC of solar projects and leads Connecticut in helping to grow the renewable energy, energy efficiency, and microgrid industries and deeply understands these industries from a legal, business, regulatory, and policy perspective.

MLG has represented landowners, municipalities, and solar companies with their solar and microgrid Request for Proposal matters and before public utility and energy commissions in regulatory matters.

The MLG team consists of three attorneys and two paralegals. Paul Michaud, the firm's Principal and Managing Attorney has over 25 years of legal experience in solar project development.

For more information, please visit [www.michaud.law](http://www.michaud.law)



Website: <https://silverbrook-energy.com>  
Email: [admin@silverbrook-energy.com](mailto:admin@silverbrook-energy.com)  
Phone: 401-584-2217

# Our Partners - Financing



TRITEC Americas, based in San Diego, California is the Americas affiliate of TRITEC Group AG, a multi-national solar services company founded in 1987. TRITEC Group is a worldwide supplier of PV equipment, EPC contractor and a project developer and financier of solar assets.

TRITEC Americas is a leading provider of PV and solar + ESS project development , financing and asset management services for the commercial and industrial (C&I) solar market throughout the Americas. Through its PowerNow® Commercial & Industrial Solar Finance Program, TRITEC Americas develops, finances, owns and operates photovoltaic solar systems, which generate clean, predictable, affordable, renewable energy for its customers. Since 2012 TRITEC Americas has deployed over 385MW of solar for businesses, non-profit organizations, manufacturing facilities, entertainment properties, health care facilities as well as utility, government and municipal projects. With a pipeline exceeding 750MW of quality, viable projects, TRITEC Americas is one of the largest C&I solar project developers and financiers in the Americas.

For more information, please visit [www.tritec-americas.com](http://www.tritec-americas.com)



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# NRES SAM Program Overview



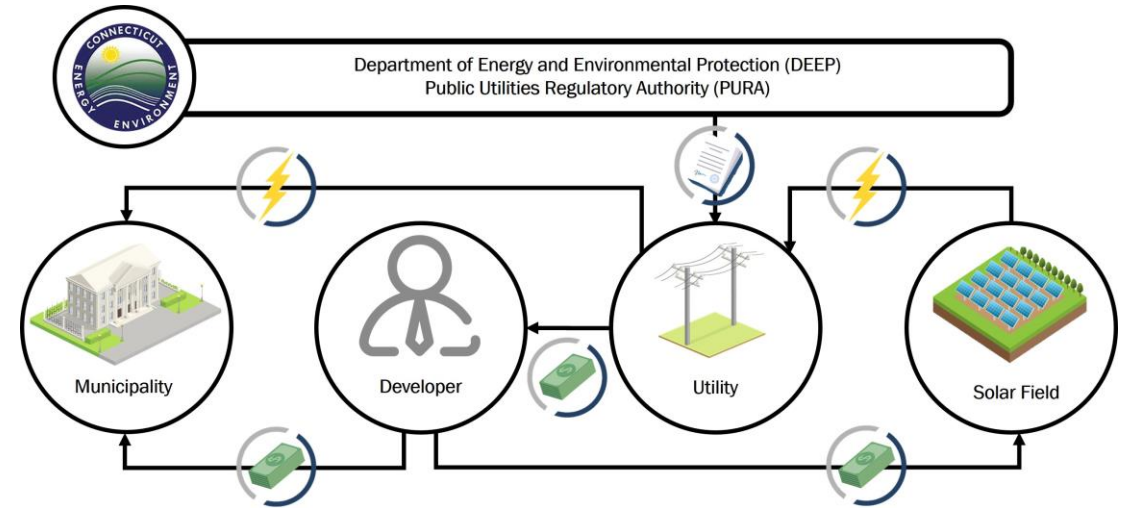
**Program:** Connecticut's Non-Residential Renewable Energy Solutions (NRES) program incentivizes renewable energy projects. The program is statutorily authorized to run for six (6) years starting in 2022 and to select up to sixty (60) MW of clean energy annually.

**Purpose:** Foster the sustained, orderly development of the state's class I renewable energy industry.

**How it Works:** Developers pair their renewable energy projects to State, Agricultural, or Municipal (SAM) electrical accounts. Electrical distribution companies purchase the power at the bid price. Developers return a portion of the revenue to the account holder.

**How the Municipality Benefits:** The municipality receives a one-time lump sum payment or a 20-year annuity.

## Program Mechanics:



## Program Links:

<https://portal.ct.gov/pura/electric/office-of-technical-and-regulatory-analysis/clean-energy-programs/non-residential-renewable-energy-solutions-program>

<https://www.eversource.com/content/business/save-money-energy/clean-energy-options/connecticut-non-residential-renewable-energy-solutions>

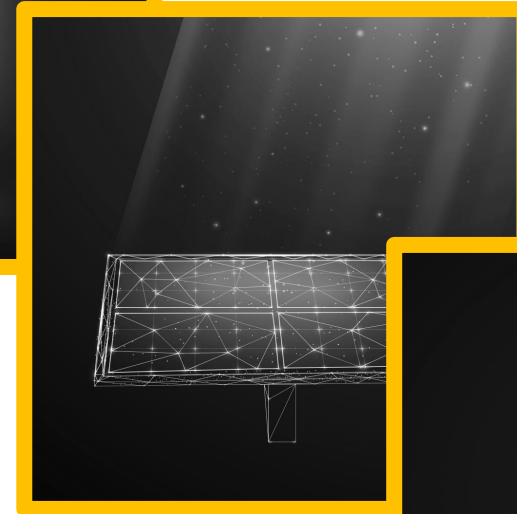
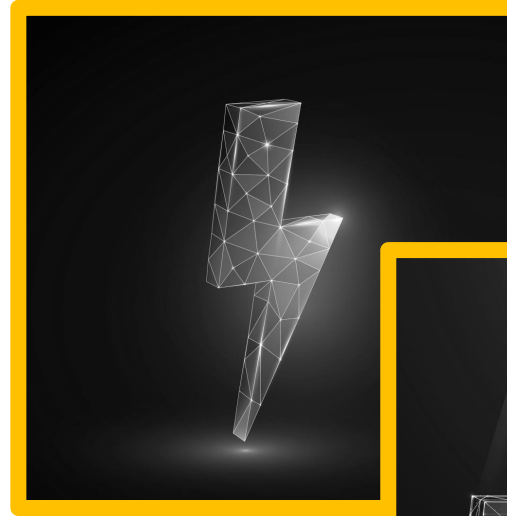


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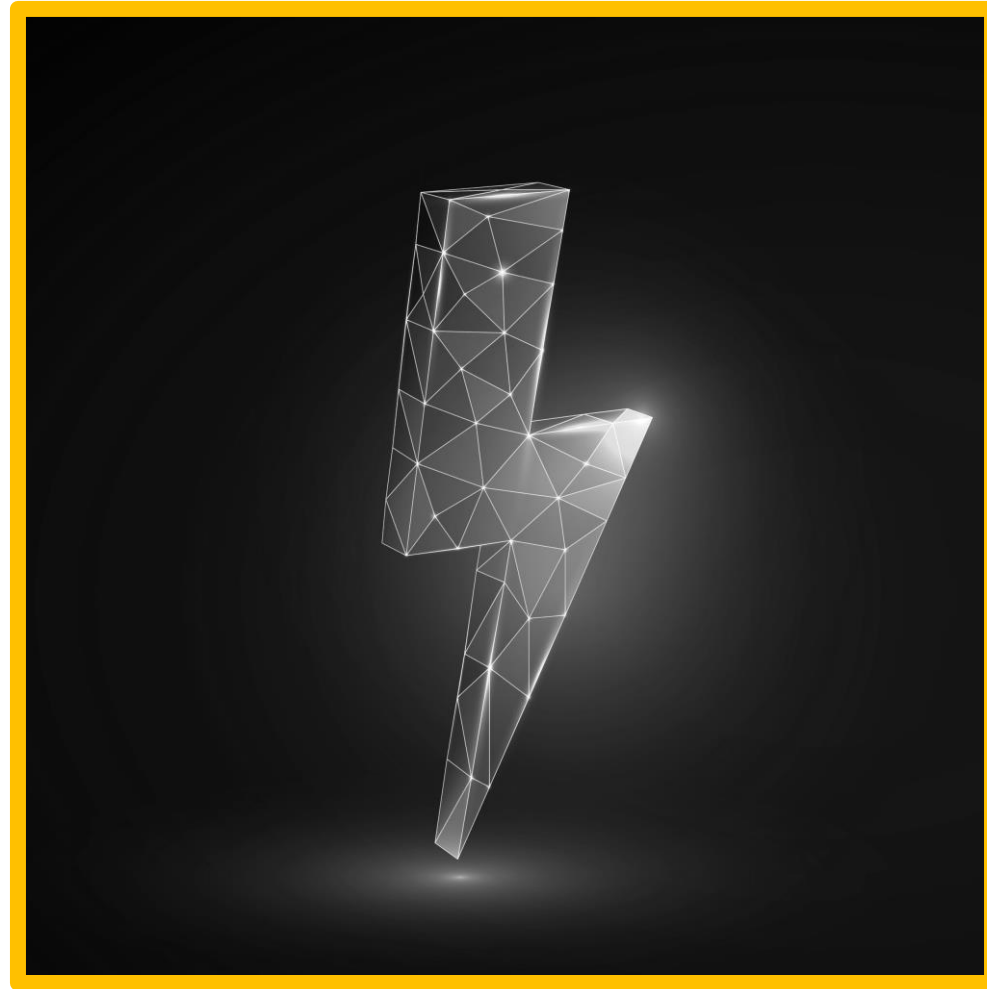
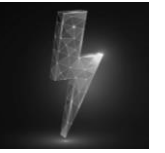
# Silver Brook – Colchester Projects



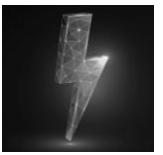
1. Services Agreement
2. Solar Array
3. Battery Energy Storage System



# Services Agreement



# Services Agreement



**Proposal:** Assign the following Town of Colchester and Colchester Public Schools accounts to Silver Brook renewable energy production projects currently under development.

**Cost to Town/BOE:** None

**Town/School Revenue:** \$15-cents per watt-DC of the clean energy facility

Lump Sum (actual payment) – **\$649,999.95**

(To Town: approx \$214,889.98) **(To Schools: approx \$435,109.97)**

\* Notes: Lump sum paid in full within one year of solar facility operation.

**Timeline:** Approximately 3 years

ACCOUNT	2018	2019	2020	2021	2022	PEAK KWH
51572603009	1,559,793	1,458,000	1,164,960	1,015,920	1,035,360	1,559,793
51895013001	1,053,030	993,600	732,240	897,120	973,440	1,053,030
51044208015	720,000	894,805	719,040	754,560	788,160	894,805
51642134092	818,640	779,760	656,640	786,240	771,120	818,640
51276934015	580,554	581,706	440,640	446,016	447,936	581,706
51671003051	452,988	413,472	329,184	393,504	342,528	452,988
51280503053	325,323	303,360	301,760	323,040	298,560	325,323
51553903055	157,365	156,640	140,160	146,880	154,720	157,365
51507792042	133,786	126,412	126,594	110,043	120,685	133,786
51130203052	85,040	87,440	92,000	95,680	95,200	95,680
51321492019	72,234	61,903	61,332	67,031	79,572	79,572
51975903063	51,840	48,384	48,576	55,488	61,056	61,056
51057792012	-	-	-	5,760	11,040	11,040
51972992044	44,800	22,720	13,760	27,840	24,640	44,800
51462392069	42,600	44,320	45,040	32,880	23,280	45,040
51990103095	32,929	31,141	18,976	40	20,300	32,929
51229392063	20,047	18,760	14,940	17,940	19,340	20,047
51719534042	17,830	15,384	11,667	18,792	19,340	19,340
51160492070	26,862	22,730	16,137	13,594	14,742	26,862
51044903052	10,204	8,999	6,719	9,693	8,857	10,204
51150992097	7,403	5,755	4,449	6,536	6,927	7,403
51702492059	6,290	9,185	8,527	8,721	5,803	9,185
51183292044	5,616	5,616	5,616	5,616	5,616	5,616
51229892013	59	213	322	1,953	5,185	5,185
51841392012	5,841	5,776	4,219	3,307	4,507	5,841
51082436072	5,792	6,016	3,910	2,896	4,063	6,016
51008392011	6,592	5,881	2,600	3,744	3,707	6,592
51991603093	2,418	2,294	2,068	2,300	3,369	3,369
51259503035	6,462	9,486	8,835	5,614	2,948	9,486
51465688026	-	198	2,376	2,376	2,376	2,376
51752103085	2,208	2,208	2,207	2,207	2,208	2,208
51723503017	2,794	1,345	1,522	1,569	1,476	2,794
51673292066	880	1,240	800	580	720	1,240
51855292074	615	583	585	583	583	615
<b>HIGH YEAR TOTAL</b>						6,491,931



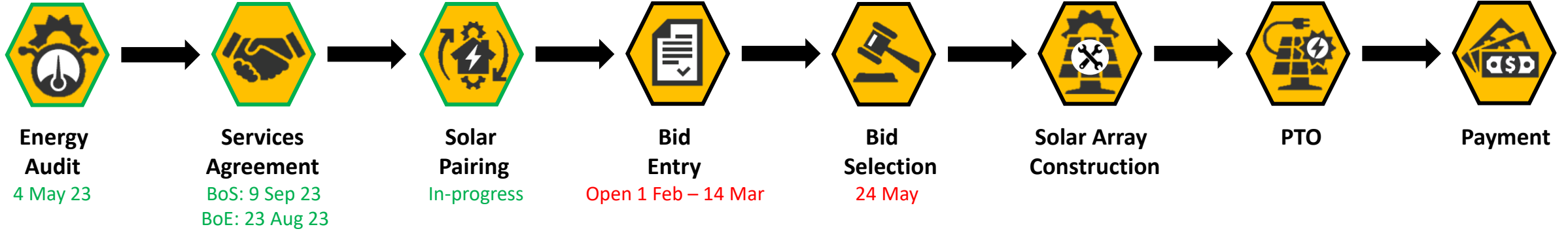
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# Next Steps



## Services Agreement



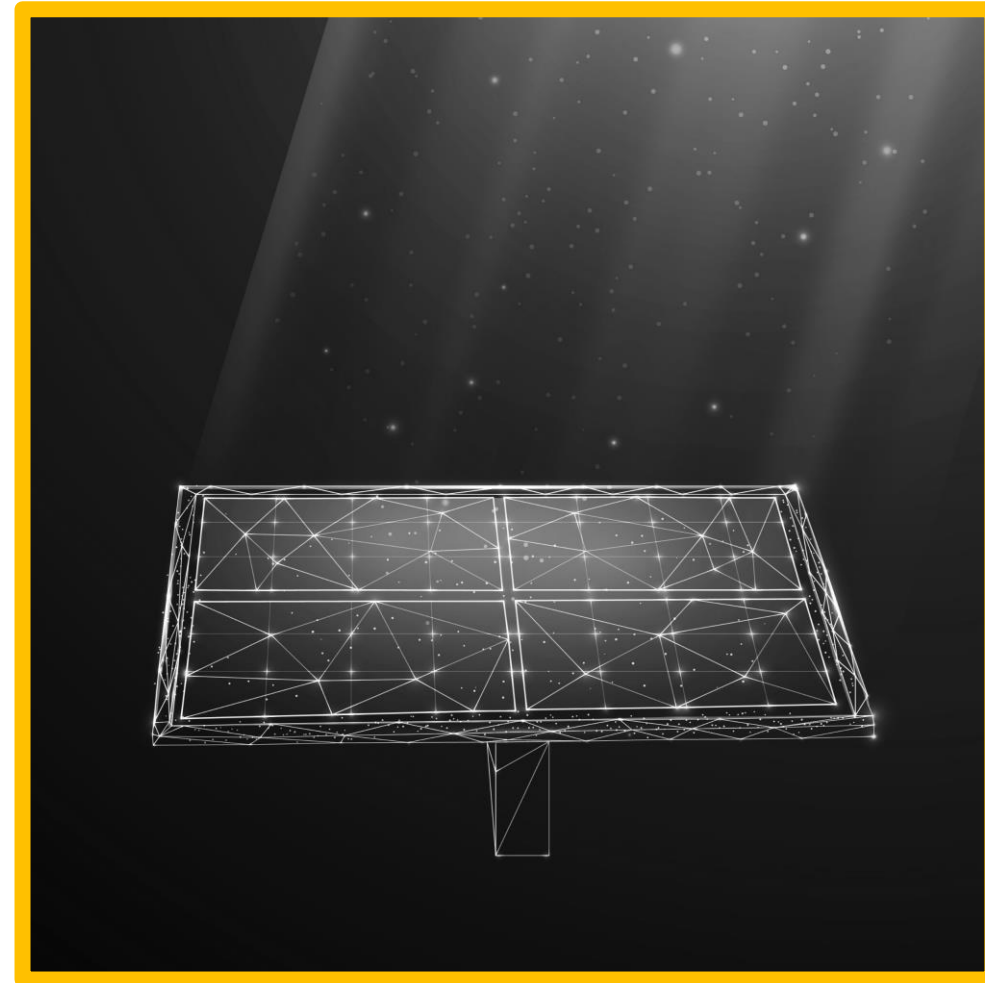
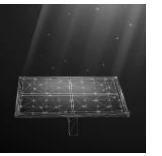
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- Complete
- To be completed by BOS
- To be completed by SBS

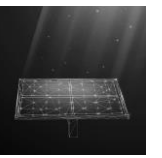


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# Solar Array



# Solar Array



**Proposal:** Construction of a clean energy solar production facility at 89 Old Amston Road, Colchester (Town Transfer Station)

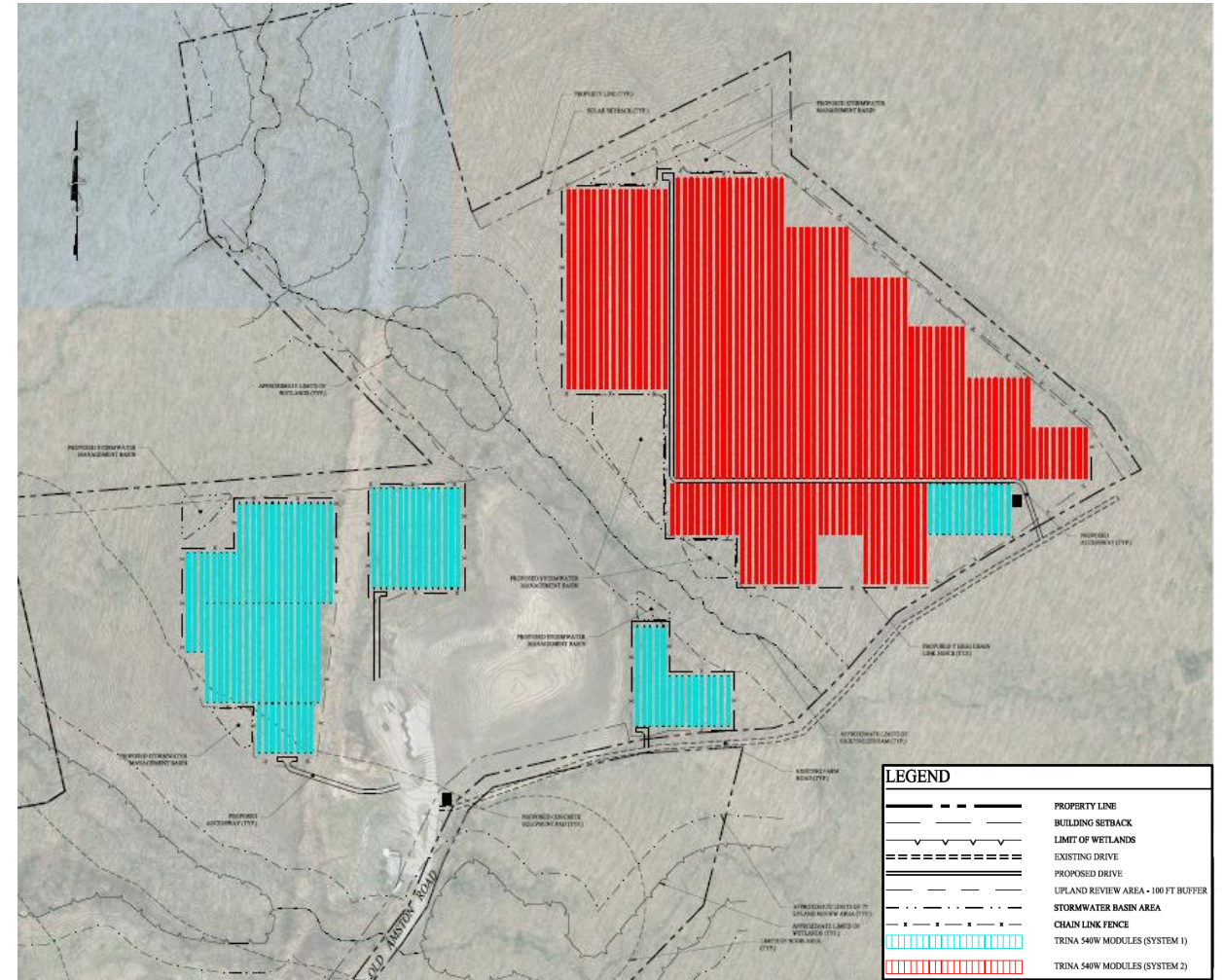
**Facility Size:** **S1:** 2.797 MW (DC) / 1.999 MW (AC)  
**S1:** 6.993 MW (DC) / 4.999 MW (AC)

**Total Parcel Size:** 83 Acres

## Town Revenue Streams:

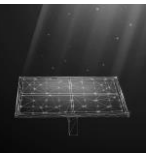
- 1) Land Lease (\$15,000 per MW DC per yr)
  - Per Year: ~\$146,850.00
  - Over 30 Years: ~\$4,405,500.00
- 2) Tax Stabilization Agreement (To Be Negotiated)

**Notes:** Silver Brook Energy will pair the solar array to a distressed community account to garner a 20% bid preference, thereby increasing the value of the project.

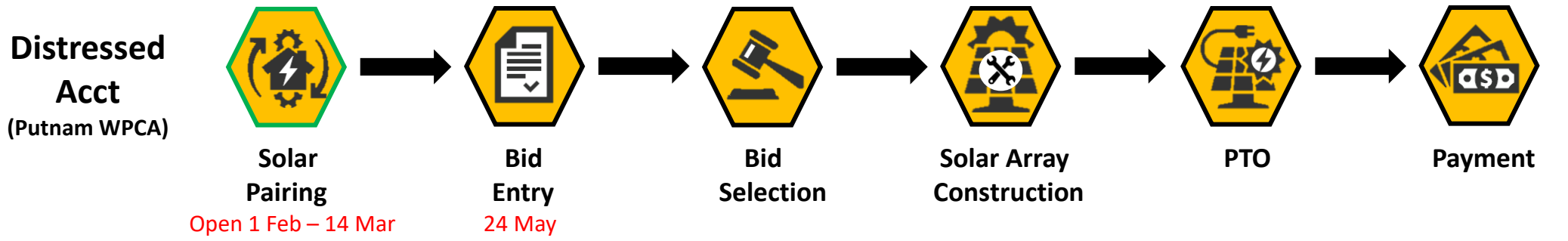
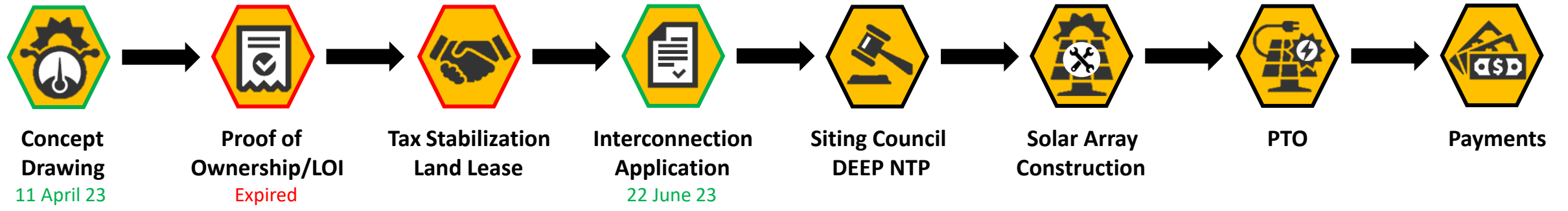


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# Next Steps



## Solar Array



Legend:

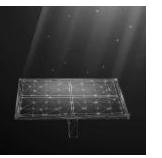
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# Solar Array – Way Forward

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## Required:

- Renewed Letter of Intent
- Signed Land Lease (5 MW)
- Signed Land Lease (2 MW)

## Due Date (*to make bidding cycle*):

- 8 March 2024



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# Battery Energy Storage System (BESS)



# Battery Energy Storage System (BESS)



**Proposal:** Battery Energy Storage System at 89 Old Amston Road, Colchester (Town Transfer Station)

**Facility Size:** Large Scale (results of a site feasibility study)

**Total Parcel Size:** ~3 Acres

**Town Revenue Streams:**

- 1) Land Lease (TBD)
- 2) Tax Stabilization Agreement (To Be Negotiated)



# BESS – Way Forward

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## Required:

- Signed Interconnection Application (site control)
- Signed Letter of Intent
- Town Endorsement Letter

## Due Date (*to make bidding cycle*):

- 29 March 2024



# Questions

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