









# Lincoln Land Energy Center LLC Springfield/Pawnee

**PROPOSED: 1100 MW Natural Gas Combined Cycle Plant** 

Sangamon County, Illinois

August 2017









# **EmberClear – Proven record of building communities**

- EmberClear is one of the most innovative and successful power developers in North America
- Our clean and strategic projects have created hundreds of jobs and build communities
- Our domestic and international investors have injected hundreds of millions in the local economies
- We have a history of creating successful partnerships with the local governments and labor unions to create jobs

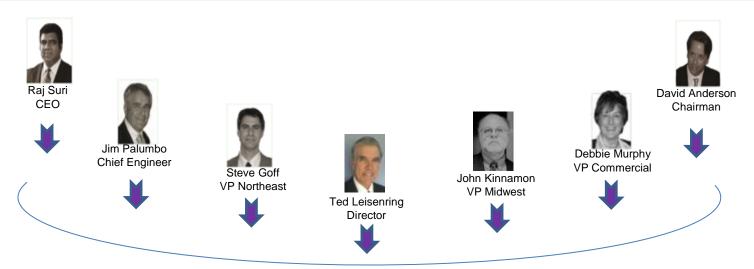








### **EmberClear Management Team**

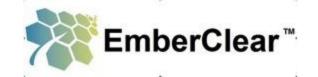


- The management has over 100 years of combined experience within oil, natural gas and a variety of other energy related products.
- The team has worked on over 25 projects that are in service or financed totaling over \$6 Billion in capital costs.
- The Company has developed deep expertise in the following areas:
  - Infrastructure Project Development
  - Environment and Permitting
  - Legal, Commodity and financing
  - Community Relations



# **Management Team**

Name	Title	Years	Prior Experience
Raj Suri	President & CFO	15	Developed numerous energy projects across US, Asia and Europe with JV partners and sovereign governments
David Anderson	CEO & Chairman	10	Raised three energy companies including two public companies from scratch with market capital ranging between \$50M and \$200M. Solid background in acquisition and restructuring of E&P businesses.
Debbie Murphy	VP Development	20	More than 20 years of development experience in the full energy value chain and the chemical industry, including \$1Billion in completed power project financings.
Stephen Goff	VP of Gulf Development	20	Developed power/chemical projects in the US, Africa and Asia, developed one of the largest natural gas fired power plants in US. Lead on EmberClear's Mississippi projects.
Jim Palumbo	Chief Engineer	25	Developed fuel cells, power and chemical projects in the North America. An expert in waste to coal, repowering, co-gen and infrastructure projects
John Kinnamon VP Midwest 25		25	Developed infrastructure projects in the chemical manufacturing, logistics and manufacturing/co-gen through out Oklahoma, Texas and the US Gulf Coast









# EmberClear – a Successful Power Developer



- The 360 MW Good Spring Power Project is located in the Schuylkill County, PA.
- In 2014, the Project was substantially completed and sold to Tyr Energy (owned by the \$20Billion ITOCHU Corporation of Japan)
- Project Budget \$400 million
- Construction likely to start in Q2-2018
- EmberClear continue to provide development services until the construction begins



- •490 MW Birdsboro Power Project located in Berks County, PA.
- In 2017, the Project was sold to Ares (\$95 Billions Fund), Tokoyo Gas and Sojit Japan.
- Project Budget \$600 million.
- The construction started in Feb 2017. Operations to start on May 2019.
- EmberClear has been retained until the operations start



- Archbald Power Project (2 x 490MW Units) is located in Lackawanna County, PA
- 50:50 Partner with DCO Energy
- Air Permit on first unit received in June 2017
- Project is likely to start construction in 2019



- 1100 MW Harrison Power Project located in Harrison County, OH
- Partnered with CB&I to co-develop & subsequently construct the Project
- Permitting started in mid-2016
- Equity to be secured in Q1-2018
- Project is on track to begin construction in Q3 2018.

### **UNDISCLOSED**

- 1100 MW Lincoln Land Energy Center located in Sangamon Co, IL
- Preliminary feasibility has been completed
- Enterprise Zone targeted for August 2017
- Project is targeted to start construction in 2019









# Birdsboro Power – an advanced development on scarred site





Jun 2015 Oct 2015







Mar 2017 Jul 2017

May 2019 (Rendering) 6









# **Lincoln Land Energy Center: Current Structure**





Permits
Land
Contracts
Assets

### **EmberClear**

- •Current market experience with recently sold Good Spring NGCC project in PJM to TYR/ITOCHU, and Birdsboro Power NGCC project to ARES-EIF
- Lead Developer
- •Owns 100% of Lincoln Land Energy Center LLC

# EmberClear Site: Lincoln Land Energy Center LLC

- 80-Acre Site in Pawnee (Sangamon)
- Target Construction Start: Q4 2019
- Target Operations: Q2 2022
- Potential to size up to 1100 MW

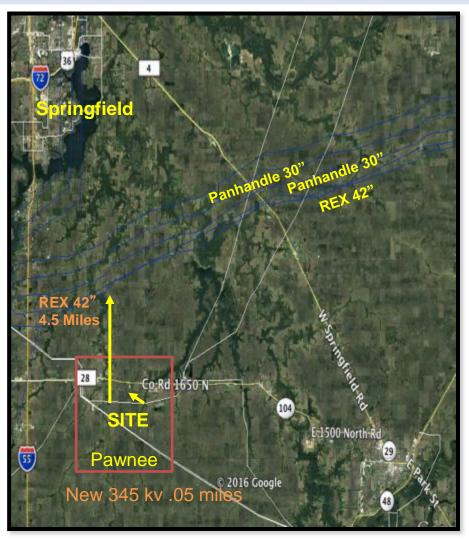








# **Lincoln Land Power Project Overview (cont..)**



- Site Pawnee, Illinois, (12 miles to Springfield)
- Site controlled by EmberClear
- A 80-acre greenfield flat parcel
- New major Sub-Station adjacent to the site
- Water from City Water Light and Power back up by Pawnee
- Water discharge City of Pawnee
- REX and PEPL pipelines within 4.5 miles
- State road and heavy rail access
- Site Option Agreement Feb 2017

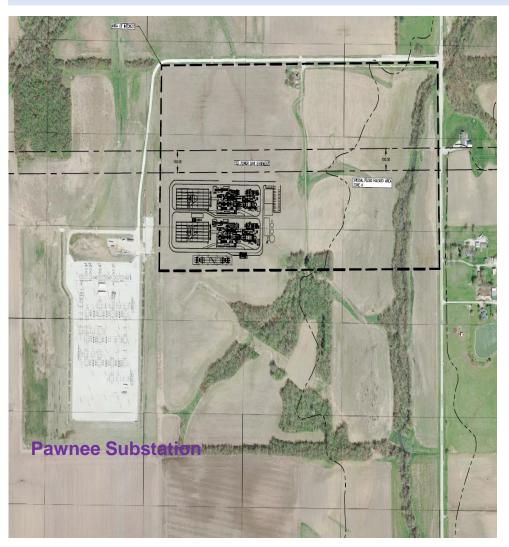




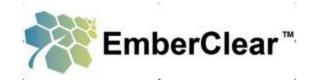




# **Lincoln Land Power Project Overview**



- Site minimal connectivity issues
- Pending approval of Enterprise Zone
   Site sales tax exemption, property
   tax abatement, etc.
- Pending joint development agreement with City, County and State
- Transmission Capacity identified through screening studies
- New major Ameren Sub-Station adjacent to the site









# **Lincoln Land Energy Center – Next Steps**

- Enterprise Zone
- Host Agreement with City & County
- Air Permit Application
- Strategic Partner









# **Current Timeline Target Dates:**

**Sept 30, 2017** Enterprise Zone Agreement

Nov 30, 2017 Begin preparation of Air Permit & NPDES Permit

Jan 30, 2018 Submit Air Permit & NPDES Permit

Feb 28, 2018 MISO market assessment

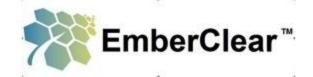
Oct 15, 2018 Assess MISO Queue results to determine project next steps

Jan 15, 2019 Receive Air Permit & MISO Queue Definitive Agreement

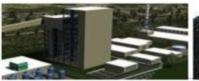
July 15, 2019 Finalize commercial contracts (EPC, Water, Gas Supply)

Sep 15, 2019 Financial Close, Notice to Proceed to Construction

Nov 30, 2022 Operations Start









# **Public Meetings**

#### **Past Public Meetings**

March 14 – Town Hall meeting in Pawnee at the Pawnee Assembly of God Church

March 15 – Sangamon County Regional Planning Commission at Sangamon County Board Room

April 20 – Hearing Sangamon County Public Health and Zoning Committee

April 20 - Sangamon County Zoning Board of Appeals at the Sangamon County Board Room

April 24 – Public Hearing required by state law for Enterprise Zone extensions at Express Professional Services meeting room (hearing had to be conducted in a current Enterprise Zone location)

April 25 – Sangamon County Board Finance Committee for Enterprise Zone at Sangamon County Board Room

May 9 – Sangamon County Board for both Enterprise Zone extension and zoning change at Sangamon County Board Room

### **Upcoming**

August 8 - Springfield City Council Committee of the Whole presentation

August 15 - Springfield City Council 1st Reading

August 29 – Springfield City Council Committee of the Whole

September 5 – Springfield City Council Final Vote (unless tabled or remain in committee)