



Committee of the Whole
Maple Park Solar Project
June 20, 2023

- Cenergy's mission is to generate superior value for community stakeholders
- Since 2007, Cenergy has sustainably grown and has **installed +350 projects and +400MWdc**
- Cenergy has developed and built solar projects in **+14 states including several projects in Illinois' Adjustable Block Program.**
- Cenergy's focus is to benefit local communities and stakeholders including landowners, towns, villages, and local power subscribers.



25MW Cenergy installation at Indianapolis Airport



April 14, 2023

BAP Power Corporation DBA Cenergy Power
3176 Lionshead Avenue, Unit # 11
Carlsbad, California 92010

Re: Surety Pre-Qualification

To Whom It May Concern:

This letter will confirm BAP Power Corporation DBA Cenergy Power hereinafter Cenergy is a valued surety client of C3 Risk and Insurance Services. Cenergy has successfully completed single projects more than \$45 Million with an aggregate backlog exceeding \$200 Million. To my knowledge, the company has been the developer and engineering / construction provider on over 200 solar projects and there is no history of any defaults. Cenergy maintains a combined surety program underwritten by Arch Insurance Company, The Hanover Insurance Company and Zurich North America.

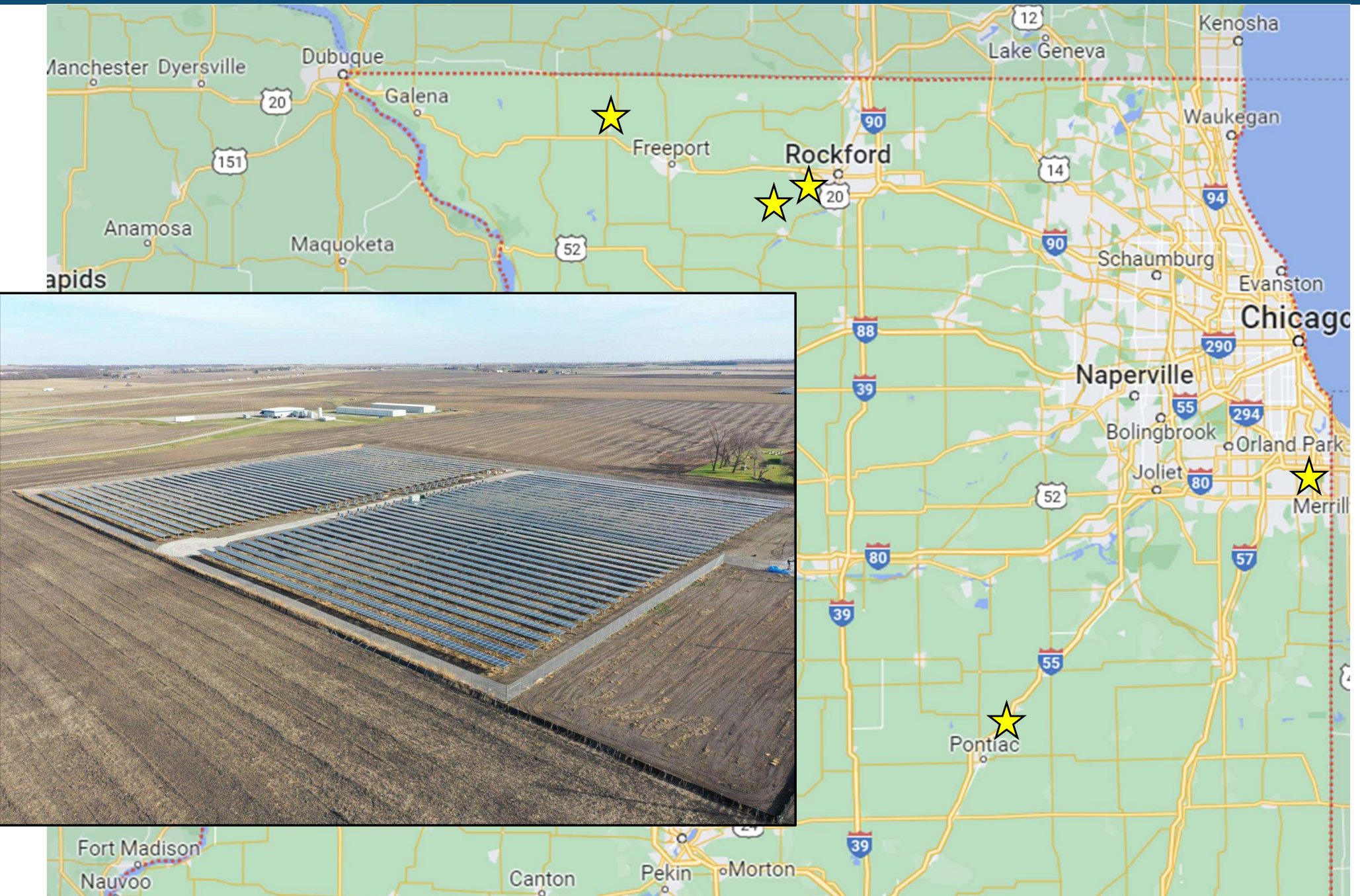
Based on my knowledge of Cenergy's management team, current financial position, and contracting expertise, I have every confidence in its abilities to successfully undertake, manage, and complete contracts within its area of expertise.

Cenergy can provide contract performance and payment bonds, should they be requested. Such approval is subject to the surety's approval considerations, including, without limitation, prior review of relevant contract documents, bond forms and project financing.

Sincerely,

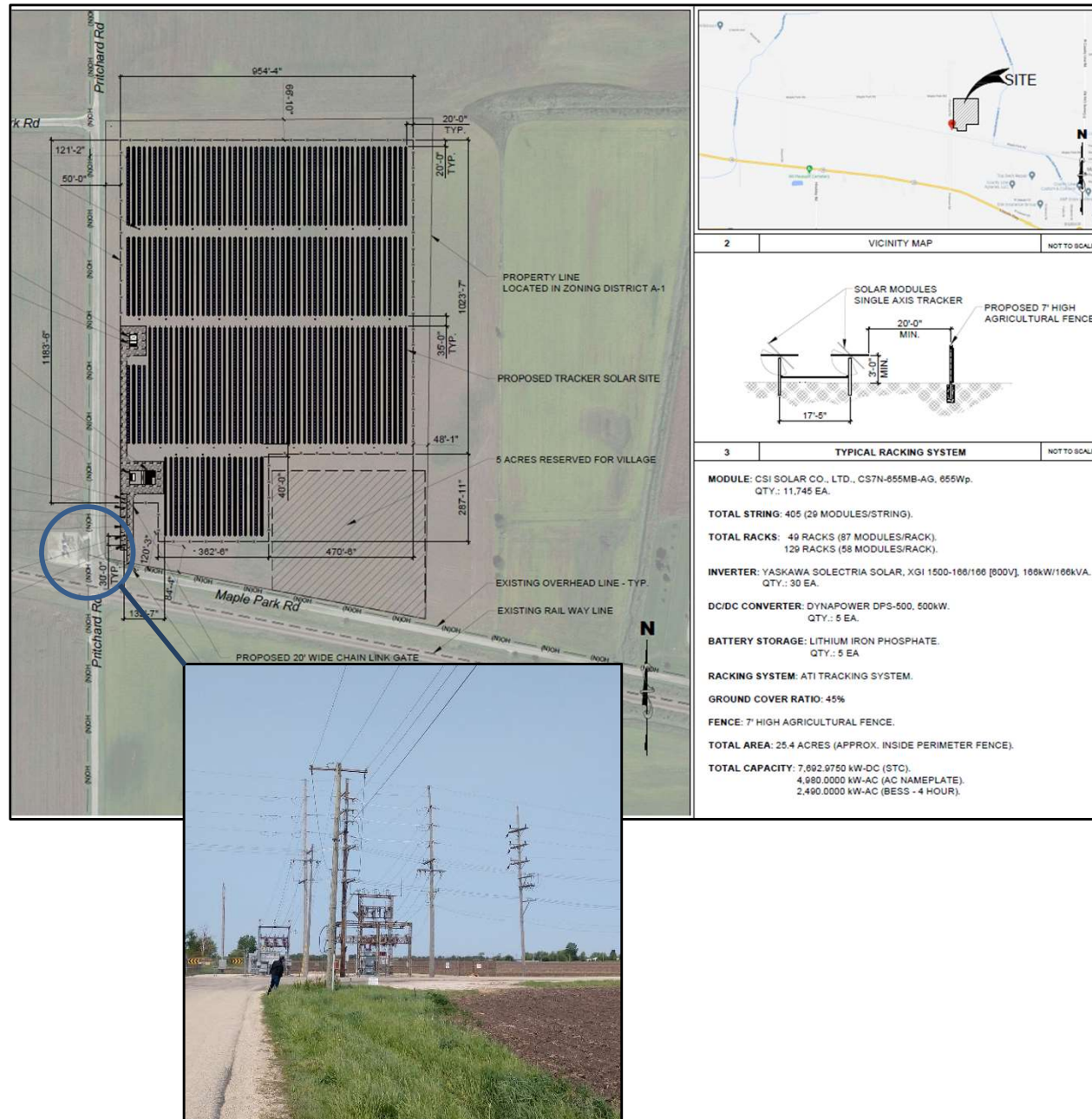
Richard Hallett
Director of Surety

**Bonding capacity for
up to \$200M in
backlog evidences
Cenergy's strong
track record**

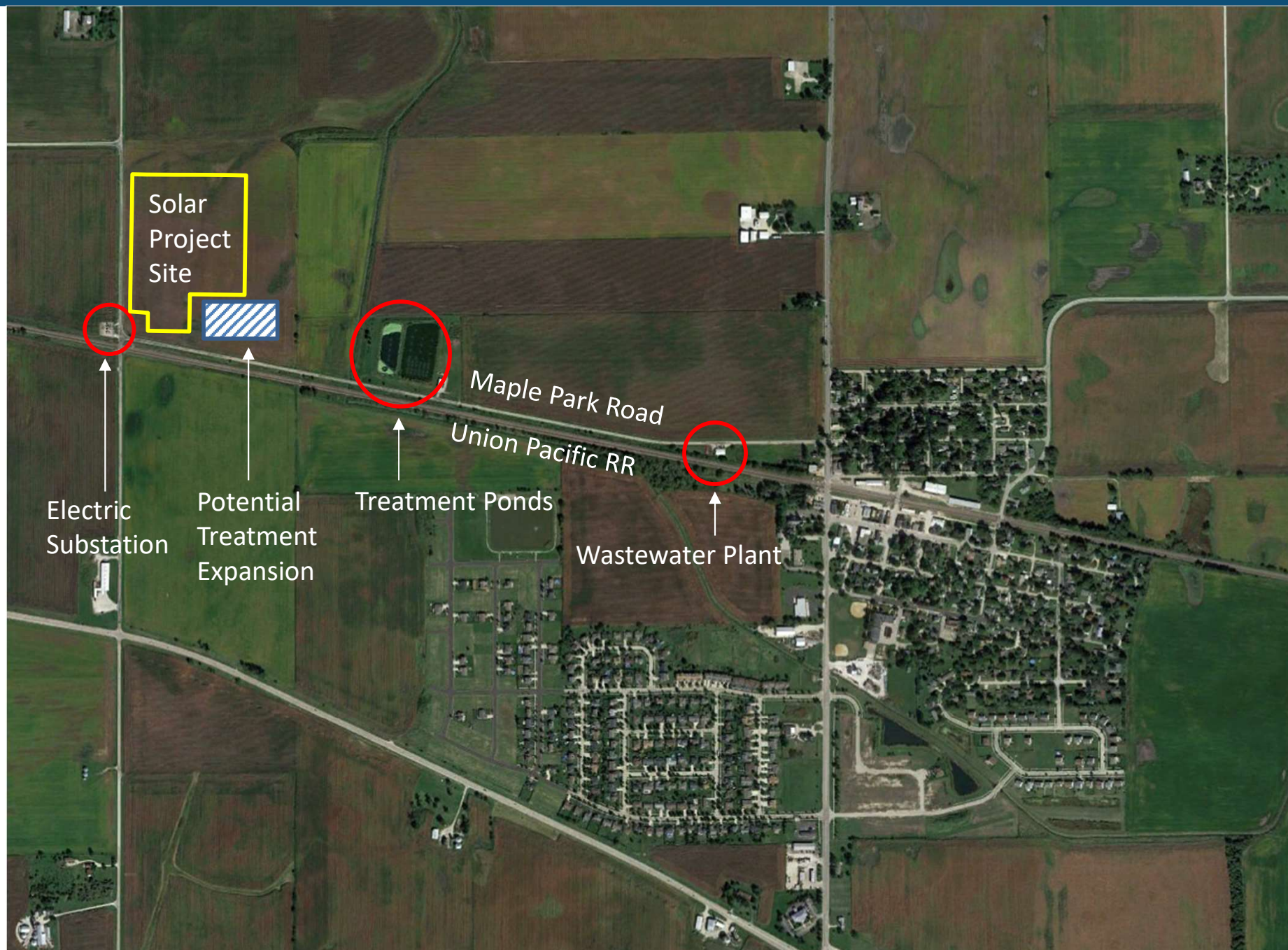


About This Project

- BAP Power Corp. is developing a 4.98 MW AC ground mounted solar project proposed near the corner of Maple Park Road and Pritchard Road
- The project will take up approximately 25.4 acres.
- Project's lifespan is estimated to be at +35 years (temporary use).
- Located in agriculturally zoned A-1, one-half mile from residential zone. No traffic, emissions, minimal noise, etc.
- Estimated Notice to Proceed – Summer 2024.
- The project will use non-toxic components (glass, steel and polysilicon – raw ingredient - sand). A decommissioning plan will be provided per the Village Zoning Ordinance.



Project Fits a Village Development Plan Part of a Utility District



- Solar panels and honeybees
- Safety of energy storage system
- View of project from Maple Park Road
- Noise emission from the Project
- Can Maple Park Residents Buy the Power
- Paved vs. Gravel Road

Bees will benefit from pollinator friendly planting at solar project sites

Greening the Clean Energy Transition

Smart Siting and Pollinator-Friendly Solar Energy in Illinois



The Illinois Department of Natural Resource, the University of Illinois, and The Nature Conservancy have produced a Guide encouraging the planting of pollinator friendly plants at solar project sites.

The Maple Park Solar Project will improve habitat for pollinators like honeybees.

The Nature Conservancy:

<https://www.nature.org/en-us/about-us/where-we-work/united-states/illinois/>

University of Illinois:

<http://www.fs.illinois.edu/>

Proposed LiFePO₄ batteries are safer than typical Li-ion batteries used in electric vehicles.

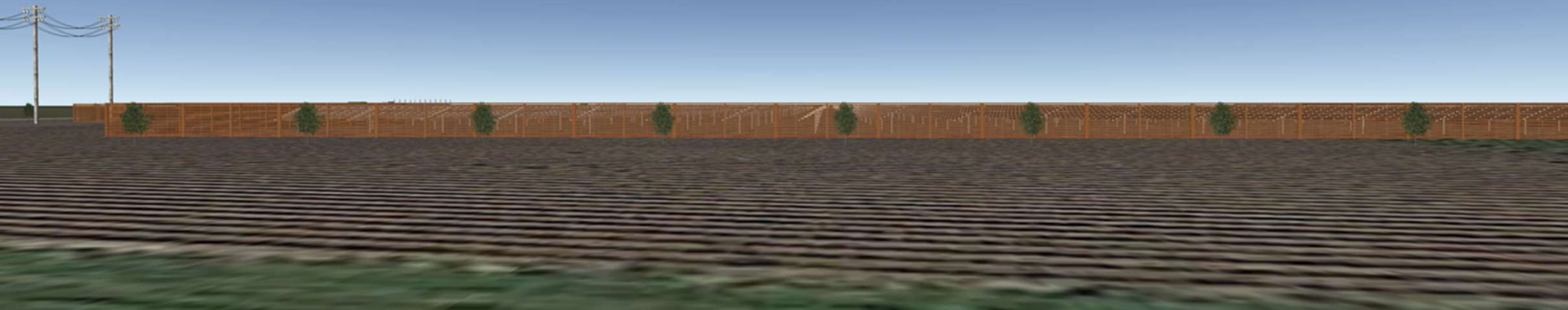
- **Thermal stability**
- **Lower flammability**
- **Lower risk of toxic material release**

Battery container contains fire detection and suppression system

- **A smoke detector and two hydrogen sensors monitor the enclosure for smoke and gases**
- **Battery Management System (BMS) constantly monitors the batteries temperature and can trigger the safety protocol**
- **A power backup system maintains the detection system for power outages of 24 hrs**
- **Fire suppression system consists of dry pipes which must be connected to a water source by first responders.**
- **The enclosure fills with water and cools the system**
- **Cenergy will provide train Maple Park Fire Officials on Best Management Practices for Fire Safety Once System is built.**

View from Maple Park Road

- 7-foot tall slatted fence
- Trees spaced every 30 feet



CHAPTER 14

SOLAR ENERGY SYSTEMS

10. Solar Farm shall be screened by placing in the set back a solid, sight proof fence or wall having a height not less than six feet (6'). Within this yard, there shall be a landscaped area planted with one 2 1/2-inch caliper tree for every thirty (30) linear feet. (Ord. 2019-19, 12-3-2019; amd. Ord. 2021-15, 11-9-2021)

LEGEND:

- RADIUS OF INVERTER CLUSTER 1 NOISE LEVEL at 60dB: 85.3ft
- RADIUS OF INVERTER CLUSTER 2 NOISE LEVEL at 60dB: 85.3ft
- RADIUS OF SUBSTATION TRANSFORMER NOISE LEVEL at 60dB: 14.7ft

COMMON NOISE COMPARISON:

- 60 DB: NORMAL CONVERSATION
- 50 DB: MODERATE RAINFALL
- 40 DB: QUIET LIBRARY

PROPOSED MV PAD & INVERTER CLUSTER 1

PROPOSED MV PAD & INVERTER CLUSTER 2

SOLAR PROJECT

PROPOSED SUBSTATION TRANSFORMER

PROPOSED MV PAD & INVERTER CLUSTER 1

PROPOSED SUBSTATION TRANSFORMER

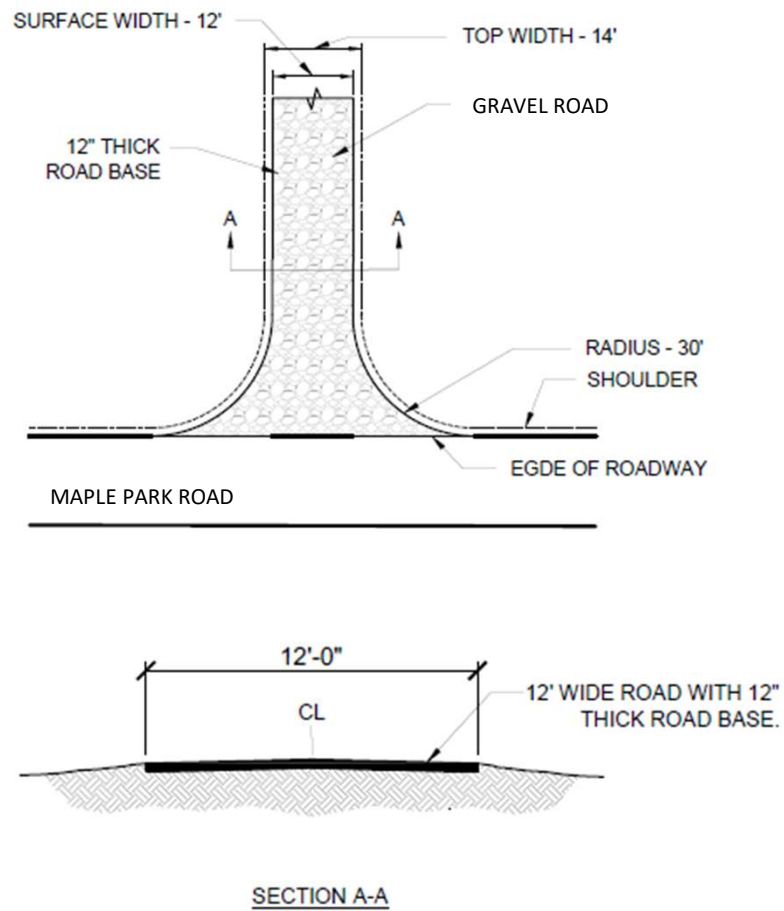
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Cenergy will commit to the following:

There will be an open enrollment period when only residents of Maple Park will be allowed to subscribe for electricity purchase.

After the initial period, other subscribers from within the Commonwealth Edison service territory will be allowed to subscribe.

Load Capacity of 80,000 lbs



1. Codified by statute (35 ILCS 200/10-720 et seq.) ~\$30,000 - \$35,000 (per project) annual property tax revenue for Dekalb County (which will flow down to local school districts and the Village of Maple Park).
2. Project site plan includes the reservation of 5 acres to be donated to the Village of Maple Park for expansion of its wastewater treatment system.
3. Donation to Village of Maple Park of \$80,000 to \$100,000 payable in two installments upon approval of the project by the Illinois Shines Program and Notice to Proceed (2 installments - once when the project is in construction, once when project starts operating).
4. Construction and operational investments in the Village of Maple Park.
5. Through participation in the Illinois Shines program, the Village of Maple Park and surrounding area subscribers can realize electricity bill savings.
6. Stabilization of electric power supply through local clean distributed energy.

CENERGY



Thank you