

COMMONWEALTH OF KENTUCKY

BEFORE THE KENTUCKY STATE BOARD ON ELECTRIC GENERATION
AND TRANSMISSION SITING

In the Matter of:

ELECTRONIC APPLICATION OF HUMMINGBIRD)	
ENERGY, LLC FOR A CERTIFICATE OF)	
CONSTRUCTION FOR AN APPROXIMATELY 200)	
MEGAWATT MERCHANT ELECTRIC SOLAR)	CASE NO.
GENERATING FACILITY AND NONREGULATED)	2022-00272
ELECTRIC TRANSMISSION LINE IN FLEMING)	
COUNTY, KENTUCKY PURSUANT TO KRS)	
278.700 AND 807 KAR 5:110)	

NOTICE OF FILING

Notice is given to all parties that the following materials have been filed into the record of this proceeding:

- The digital video recording of the evidentiary hearing conducted on October 24, 2023 in this proceeding;
- Certification of the accuracy and correctness of the digital video recording;
- All exhibits introduced at the evidentiary hearing conducted on October 24, 2023 in this proceeding;
- A written log listing, inter alia, the date and time of where each witness' testimony begins and ends on the digital video recording of the evidentiary hearing conducted on October 24, 2023.

A copy of this Notice, the certification of the digital video record, and hearing log have been served upon all persons listed at the end of this Notice. Parties desiring to view the digital video recording of the hearing may do so at <https://youtu.be/BrycLpNmDrc>.

Parties wishing an annotated digital video recording may submit a written request by electronic mail to pscfilings@ky.gov. A minimal fee will be assessed for a copy of this recording.

Done at Frankfort, Kentucky, this 28th day of November 2023.

A handwritten signature in blue ink that reads "Linda C. Bridwell". The signature is written in a cursive style with a horizontal line underneath it.

Linda C. Bridwell
Executive Director
Public Service Commission of Kentucky

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION OF HUMMINGBIRD)
ENERGY, LLC FOR A CERTIFICATE OF)
CONSTRUCTION FOR AN APPROXIMATELY)
200 MEGAWATT MERCHANT ELECTRIC SOLAR)
GENERATING FACILITY AND NONREGULATED)
ELECTRIC TRANSMISSION LINE IN FLEMING)
COUNTY, KENTUCKY PURSUANT TO)
KRS 278.700 AND 807 KAR 5:110)

CASE NO.
2022-00272

CERTIFICATION

I, Candace H. Sacre, hereby certify that:

1. The attached flash drive contains a digital recording of the Formal Hearing conducted in the above-styled proceeding on October 24, 2023. The Formal Hearing Log, Exhibits, and Exhibit List are included with the recording on October 24, 2023;
2. I am responsible for the preparation of the digital recording;
3. The digital recording accurately and correctly depicts the Formal Hearing of October 24, 2023; and
4. The Formal Hearing Log attached to this Certificate accurately and correctly states the events that occurred at the Formal Hearing of October 24, 2023, and the time at which each occurred.

Signed this 27th day of November, 2023.


Candace H. Sacre
Administrative Specialist III


Stephanie Schweighardt, Notary Public
Kentucky State at Large ID# KYNP 64180
Commission Expires: January 14, 2027



Session Report - Detail

2022-00272 24Oct2023

**Hummingbird Energy, LLC
(Hummingbird Solar)**

Date:	Type:	Location:	Department:
10/24/2023	Public Hearing\Public Comments	Hearing Room 1	Hearing Room 1 (HR 1)

Witness: Ben Kerr; Orla Lavender; Fletcher Mangum; Chad Martin; Adam Peterson; Jayce Walker; Jack Zoucha
 Judge: Kent Chandler; Angie Hatton; John Lyons; Mary Pat Regan; Sydney Montgomery; John Price; Jon Sims
 Clerk: Candace Sacre

Event Time	Log Event
9:34:12 AM	Session Started
9:34:25 AM	Chairman Chandler Note: Sacre, Candace
	On the record in Case No. 2022-00272.
9:34:28 AM	Camera Lock Deactivated
9:34:49 AM	Chairman Chandler Note: Sacre, Candace
	Preliminary remarks.
9:35:39 AM	Chairman Chandler Note: Sacre, Candace
	Hearing recommendations.
9:35:55 AM	Chairman Chandler Note: Sacre, Candace
	Entries of appearance.
9:36:09 AM	Atty Dutton Hummingbird Solar Note: Sacre, Candace
	Greg Dutton, here with me Pierce Stevenson, joined by Jayce Walker, witnesses Ben Kerr, Chad Martin, Adam Peterson, Orla Lavender, Zack Zoucha, and Fletcher Mangum.
9:36:57 AM	Staff Atty Temple PSC Note: Sacre, Candace
	Heather Temple and Nicole Carr.
9:37:05 AM	Chairman Chandler Note: Sacre, Candace
	Notice filed.
9:37:18 AM	Chairman Chandler Note: Sacre, Candace
	Public comments.
9:37:51 AM	Chairman Chandler Note: Sacre, Candace
	Anything else?
9:37:59 AM	Staff Atty Temple PSC Note: Sacre, Candace
	Outstanding motions, exhibits.
9:38:40 AM	Chairman Chandler Note: Sacre, Candace
	Short recess.
9:38:48 AM	Session Paused
9:40:40 AM	Session Resumed
9:40:51 AM	Chairman Chandler Note: Sacre, Candace
	Back on the record in Case No. 2022-00272, joined by Judge Sims.
9:41:05 AM	Chairman Chandler Note: Sacre, Candace
	Call your first witness?
9:41:10 AM	Atty Dutton Hummingbird Solar Note: Sacre, Candace
	Clarify, three pending motions. (Click on link for further comments.)
9:41:46 AM	Atty Dutton Hummingbird Solar Note: Sacre, Candace
	Jayce Walker.
9:41:56 AM	Chairman Chandler Note: Sacre, Candace
	Witness is sworn
9:42:03 AM	Chairman Chandler - witness Walker Note: Sacre, Candace
	Examination. Name and address?

9:42:20 AM	Atty Dutton Hummingbird Solar - witness Walker Note: Sacre, Candace	Direct Examination. Title?
9:42:26 AM	Atty Dutton Hummingbird Solar - witness Walker Note: Sacre, Candace	For which company?
9:42:29 AM	Atty Dutton Hummingbird Solar - witness Walker Note: Sacre, Candace	How long?
9:42:35 AM	Atty Dutton Hummingbird Solar - witness Walker Note: Sacre, Candace	Before that?
9:42:41 AM	Atty Dutton Hummingbird Solar - witness Walker Note: Sacre, Candace	Role regarding application?
9:43:22 AM	Atty Dutton Hummingbird Solar - witness Walker Note: Sacre, Candace	Anything clarify or correct?
9:43:38 AM	Atty Dutton Hummingbird Solar - witness Walker Note: Sacre, Candace	What holding in hand?
9:43:45 AM	Atty Dutton Hummingbird Solar - witness Walker Note: Sacre, Candace	Which page?
9:43:52 AM	Atty Dutton Hummingbird Solar - witness Walker Note: Sacre, Candace	What correct or clarify?
9:44:22 AM	Atty Dutton Hummingbird Solar - witness Walker Note: Sacre, Candace	Project anticipate preparing emergency response plan?
9:44:32 AM	Chairman Chandler Note: Sacre, Candace	Ms. Temple?
9:44:37 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Cross Examination. Filed site plan, October 3, changes?
9:45:14 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	When construction begin?
9:45:40 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Once start, how long take?
9:45:52 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Total project listed as 4,141 acres, explain discrepancy?
9:47:27 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Collection lines through portions of it?
9:47:46 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Through easements?
9:48:29 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Just have easements, considered participating landowners?
9:48:57 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Mr. Peterson?
9:49:01 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Examination. Asked first round of data requests to detail any contracts, reading (click on link for further comments), not entered into contracts with nonparticipating landowners, agree response considering easements not to be participating landowners?
9:50:30 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Proposing do things differently or have different course of conduct, know putting things closer to them, know answer?
9:52:37 AM	Chairman Chandler Note: Sacre, Candace	Ms. Temple?
9:52:44 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Cross Examination (cont'd). Site layout different, planning went into shape of project?
9:54:16 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Understanding call contiguous project because collection lines, five discreet sections buildable?

9:54:40 AM	Atty Dutton Hummingbird Solar Note: Sacre, Candace	Which data request? (Click on link for further comments.)
9:57:37 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Cross Examination (cont'd). Responses how construction occur state none known until contractor chosen, how confidence so up in air, explain?
10:00:28 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Setbacks considered site constraint?
10:00:47 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	When select contractor, experts on building facility, who employs contractor?
10:02:17 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Not planning and zoning in Fleming County, in contact with Fleming County executives and explain what contract was?
10:03:22 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	SAR indicated structures on property demolished, agreement with owners, or how come about?
10:04:11 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Information about spacing of panels, height of panels, to be determined?
10:04:38 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Gravel under panels or ground cover?
10:05:01 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Other projects in Fleming County, received certificates of construction, four miles away, asked if contact with developers road use, would not be done, explain response?
10:06:58 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Landscaping plan and how decided where screening necessary?
10:08:15 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Evergreens species native to region?
10:08:31 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Two acres of native pollinators?
10:08:42 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	When expect be done?
10:09:27 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Was talking about evergreen vegetative buffer?
10:10:15 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Requests or concerns from nonparticipating landowners about vegetative screening?
10:10:40 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Leases and easements, in name of Hummingbird Solar LLC not same as Hummingbird Energy LLC, same or two separate?
10:11:25 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Post-hearing data provide information all been transferred or reassigned?
10:11:26 AM	POST-HEARING DATA REQUEST Note: Sacre, Candace Note: Sacre, Candace	STAFF ATTY TEMPLE PSC - WITNESS WALKER INFORMATION ALL LEASES AND EASEMENTS TRANSFERRED OR REASSIGNED
10:11:39 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Questions setbacks, you or someone else?
10:11:53 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Deviation from setbacks, generating equipment 306 and 1,011 relevant residential neighborhood, explain what means?

10:13:54 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Requesting fence be 306 feet away from home?

10:14:36 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Project boundary much closer than 306 feet?

10:14:43 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Spoken to that person?

10:14:50 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Anyone spoken to that person?

10:15:15 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Home 305 feet, is that home itself or property line?

10:15:46 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Post-hearing data request distances proposing closest nonparticipating residence to closest fencing, panel, inverter, and substation?

10:16:36 AM POST-HEARING DATA REQUEST
Note: Sacre, Candace STAFF ATTY TEMPLE PSC - WITNESS WALKER
Note: Sacre, Candace DISTANCE PROPOSING CLOSEST NONPARTICIPATING RESIDENCE TO FENCING, PANEL, INVERTER, AND SUBSTATION

10:18:06 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace In application and SAR, no karst features, not typical, any more research done?

10:18:56 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Contractor, Hummingbird Solar any employees?

10:19:19 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Everyone working on project by Recurrent Energy or somebody else?

10:19:39 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace In application, Exhibit C, certificate of compliance Spivey Hawk, who is that person?

10:20:08 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Employed by Recurrent Energy?

10:20:24 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Have construction team at Recurrent Energy but still hire outside contractor, but Recurrent making sure contractor in compliance?

10:21:06 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Actually within Recurrent Energy or another subsidiary?

10:21:30 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace In application, not signed by anyone working for Recurrent or Hummingbird Solar, what companies being talked about, application page 12 paragraph 27?

10:23:23 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Recurrent Energy by itself or owned by someone else?

10:23:30 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Who subsidiary of?

10:23:34 AM Staff Atty Temple PSC - witness Walker
Note: Sacre, Candace Environmental certification not go back that far?

10:24:00 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Examination. Work for Recurrent Energy LLC?

10:24:12 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Canadian Solar sole owner?

10:24:19 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Managing member?

10:24:39 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Answer earlier Hummingbird Energy LLC direct subsidiary, no intermediate agency?

10:25:24 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Indicate direct owner but not the case?
10:25:31 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	One but possibly multiple different entities that have ownership interest?
10:25:44 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Do own financing?
10:26:33 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Assignments of leases, options, and easements from Hummingbird Solar to Hummingbird Energy?
10:26:53 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Hummingbird Solar LLC subsidiary of Hummingbird Energy LLC?
10:27:00 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Subsidiary of same entity holds entire ownership interest of Hummingbird Energy?
10:27:27 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Hummingbird Energy has all it needs, entity currently entire owner be exclusive owner after all financing activities?
10:28:40 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Who is we?
10:28:47 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Other entities brought in?
10:29:20 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Anybody as witness knows more about that?
10:29:21 AM	POST-HEARING DATA REQUEST Note: Sacre, Candace Note: Sacre, Candace	CHAIRMAN CHANDLER - WITNESS WALKER EXPLAIN IF DOING IN-HOUSE FINANCING WHAT TRANSACTIONS LOOK LIKE IN TERMS OF UMBRELLA OF RECURRENT ENERGY LLC
10:30:00 AM	Chairman Chandler Note: Sacre, Candace	Ms. Temple?
10:30:07 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Cross Examination (cont'd). All PJM studies completed?
10:30:22 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	When expect those occur?
10:30:38 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	As far as transmission line, how long expected to be?
10:31:19 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	How long be?
10:31:44 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	PPA executed for project?
10:31:50 AM	Staff Atty Temple PSC - witness Walker Note: Sacre, Candace	Decommissioning obligations removed underground components?
10:32:13 AM	Chairman Chandler Note: Sacre, Candace	Questions?
10:32:30 AM	Board Member Montgomery - witness Walker Note: Sacre, Candace	Examination. How Recurrent determine cost of project?
10:35:16 AM	Board Member Montgomery - witness Walker Note: Sacre, Candace	Costs provided to Mangum, what experience be?
10:36:22 AM	Board Member Montgomery - witness Walker Note: Sacre, Candace	Open house presentation, slide referred to five O&M professionals work on project, aware be full time jobs?
10:36:56 AM	Board Member Montgomery - witness Walker Note: Sacre, Candace	IRP or pilot agreement negotiated?

10:37:18 AM	Chairman Chandler Note: Sacre, Candace	Questions?
10:37:24 AM	Chairman Chandler Note: Sacre, Candace	Vice Chair?
10:37:29 AM	Vice Chair Hatton - witness Walker Note: Sacre, Candace	Examination. Short on details about construction, response detailed project specific construction schedule promised, when might see that?
10:38:23 AM	Vice Chair Hatton - witness Walker Note: Sacre, Candace	Regarding landowner nonparticipating right in middle of Y shaped project?
10:38:53 AM	Atty Dutton Hummingbird Solar Note: Sacre, Candace	Mark as Hummingbird Solar Hearing Exhibit 1.
10:38:54 AM	HUMMINGBIRD SOLAR HEARING EXHIBIT 1 Note: Sacre, Candace Note: Sacre, Candace	VICE CHAIRMAN HATTON - WITNESS WALKER MAPS OF PROPOSED PROJECT
10:39:32 AM	Vice Chair Hatton - witness Walker Note: Sacre, Candace	Blank space in middle, missing landowner?
10:40:25 AM	Vice Chair Hatton - witness Walker Note: Sacre, Candace	What were discussions with landowner?
10:40:49 AM	Staff Atty Temple PSC Note: Sacre, Candace	Speaking about two different things. (Click on link for further comments.)
10:41:38 AM	Vice Chair Hatton - witness Walker Note: Sacre, Candace	What is agreement with landowner?
10:41:48 AM	Commissioner Regan - witness Walker Note: Sacre, Candace	Examination. Looking for agreement with landowner as move forward?
10:42:48 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Examination. Walk me through, two different projects?
10:43:29 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Asking for two separate sets of capacity interconnection rights with PJM?
10:43:44 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Know how break down based on geography of project?
10:44:20 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Know whether represent to PJM have landowner control for queue proposal?
10:44:35 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Not know told them what land have under control?
10:44:42 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Who knows that?
10:45:05 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Seeking certificate of construction 200 MW, do you know how far from Row D Column 4?
10:46:34 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Project data has multiple acreage?
10:47:07 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	What is parcel acre, represented in this map?
10:48:11 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	In purple, 2,000 acres within 4,000 acres?
10:49:14 AM	Chairman Chandler - witness Walker Note: Sacre, Candace	Contiguous mean connected by something else?

10:49:29 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Everything connected except for what?

10:49:48 AM Commissioner Regan - witness Walker
Note: Sacre, Candace Examination. Is that where not have agreement with landowner?

10:50:12 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Examination. On a road, know whether right of way available for collection system?

10:50:37 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Because issue with color in printer, missing out transmission line?

10:51:05 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Saying have easements to run to south of project?

10:51:58 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Legend says battery location, proposing battery?

10:52:14 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Part of construction certificate?

10:52:29 AM Chairman Chandler - witness Walker
Note: Sacre, Candace How far battery from homes?

10:53:13 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Everything post-C200 pages have location of panels?

10:53:27 AM Chairman Chandler - witness Walker
Note: Sacre, Candace But not inverters?

10:53:54 AM Chairman Chandler - witness Walker
Note: Sacre, Candace One of five, Rows D and C, where in top half is inverter?

10:54:28 AM Chairman Chandler - witness Walker
Note: Sacre, Candace That smudge is inverter?

10:54:45 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Exclusion area, hole or pond, inverter for entire area?

10:55:12 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Tell me where two inverters are?

10:55:38 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Collection system, north of 34.5 kV, going to be alternating current?

10:56:16 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Where go once gets onto next parcel?

10:56:51 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Single project substation?

10:57:00 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Two projects in queue, at system impact stage, have a facilities study back for either queue positions?

10:57:30 AM Chairman Chandler - witness Walker
Note: Sacre, Candace AE1 and AE2, have good idea?

10:57:48 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Idea when clusters be done?

10:57:56 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Have an idea?

10:58:11 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Get first cluster back, second one comes in \$450 million to connect, less CIRs and not paying to connect, anything change where connect to transmission system?

11:00:12 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Three of five, 1C/D, panels are far west portion?

11:00:36 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Surrounded by buildable area, proposed screens or roads?

11:00:50 AM Chairman Chandler - witness Walker
Note: Sacre, Candace What in pitch black?

11:01:23 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Bottom corner of parcel lay down?

11:01:28 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Above that, fire engine red?

11:01:58 AM Atty Dutton Hummingbird Solar
Note: Sacre, Candace Witness may want to look at C100 for reference.

11:02:58 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Substation 34.5 kV?

11:03:06 AM Chairman Chandler - witness Walker
Note: Sacre, Candace If substation, what voltage being stepped up to?

11:03:16 AM Chairman Chandler - witness Walker
Note: Sacre, Candace What is EKPC transmission line voltage?

11:03:26 AM Chairman Chandler - witness Walker
Note: Sacre, Candace New substation take your tie and switch to EKPC line?

11:03:47 AM Chairman Chandler - witness Walker
Note: Sacre, Candace Do you pay for that for them?

11:03:56 AM Chairman Chandler - witness Walker
Note: Sacre, Candace What size are batteries?

11:04:23 AM Chairman Chandler
Note: Sacre, Candace Questions?

11:04:30 AM Atty Dutton Hummingbird Solar - witness Walker
Note: Sacre, Candace Redirect Examination. Discussion about strategy for construction, in experience current known schedule different from any other project?

11:05:00 AM Atty Dutton Hummingbird Solar - witness Walker
Note: Sacre, Candace Lead developer on Blue Moon?

11:05:06 AM Atty Dutton Hummingbird Solar - witness Walker
Note: Sacre, Candace Blue Moon at this stage more fully developed in terms of construction schedule?

11:05:17 AM Atty Dutton Hummingbird Solar - witness Walker
Note: Sacre, Candace Roughly same as is in this one?

11:05:20 AM Chairman Chandler
Note: Sacre, Candace Recess until 1:15.

11:05:46 AM Session Paused

11:17:30 AM Session Resumed

11:17:38 AM Chairman Chandler
Note: Sacre, Candace Back on the record.

11:17:41 AM Chairman Chandler
Note: Sacre, Candace Move introduce Exhibit 1?

11:17:42 AM HUMMINGBIRD SOLAR HEARING EXHIBIT 1
Note: Sacre, Candace VICE CHAIRMAN HATTON - WITNESS WALKER
Note: Sacre, Candace MAPS OF PROPOSED SOLAR PROJECT

11:17:54 AM Chairman Chandler
Note: Sacre, Candace Next witness?

11:17:56 AM Atty Dutton Hummingbird Solar
Note: Sacre, Candace Ben Kerr.

11:18:11 AM Chairman Chandler
Note: Sacre, Candace Witness is sworn.

11:18:19 AM Chairman Chandler - witness Kerr
Note: Sacre, Candace Examination. Name and address?

11:18:38 AM Atty Dutton Hummingbird Solar - witness Kerr
Note: Sacre, Candace Direct Examination. Employer?

11:18:42 AM Atty Dutton Hummingbird Solar - witness Kerr
Note: Sacre, Candace Role there?

11:18:45 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	How long?
11:18:47 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	What specific role regarding this application?
11:19:02 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	Here for Walker testimony?
11:19:08 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	Planting trees, understand applicant request to Siting Board?
11:19:27 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	Explain what is?
11:19:47 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	Where project sits in PJM queue, here for that?
11:19:53 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	Answer those questions?
11:20:01 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	Point to motion for deviation, page 3, Binder 4, Tab 19, first paragraph, allow generating equipment no closer than 306 feet, inverters no closer than 1,011 feet?
11:20:39 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	First paragraph, motion for deviation?
11:20:52 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	Generating no closer than 306 and inverters no closer than 1,011 feet?
11:21:11 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	Page 3, last sentence, nearest home 243 feet from boundary and 306 feet from solar panel?
11:21:38 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	O&M jobs, understanding of expectation, how many?
11:21:53 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	Full time jobs?
11:21:58 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	Anything else like to clarify or correct?
11:22:12 AM	Chairman Chandler Note: Sacre, Candace	Ms. Temple?
11:22:14 AM	Staff Atty Temple PSC - witness Kerr Note: Sacre, Candace	Cross Examination. Spacing between panels and how high?
11:22:36 AM	Chairman Chandler Note: Sacre, Candace	Deputy Secretary Lyons?
11:23:05 AM	Board Member Lyons - witness Kerr Note: Sacre, Candace	Examination. Relation to construction schedule, traffic, and how handle construction traffic?
11:24:27 AM	Board Member Lyons - witness Kerr Note: Sacre, Candace	Very familiar area, know roads, harvest season, six different spots, serious consideration of local traffic.
11:25:10 AM	Chairman Chandler Note: Sacre, Candace	Mr. Montgomery?
11:25:18 AM	Board Member Montgomery - witness Kerr Note: Sacre, Candace	Examination. Any way to quantify what wages from those jobs would be?
11:25:41 AM	Board Member Montgomery - witness Kerr Note: Sacre, Candace	Specific training or education level for these positions?
11:26:18 AM	Chairman Chandler Note: Sacre, Candace	Judge Sims?

11:26:30 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Examination. Should get a facility study back in first three quarters?
11:26:58 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Conveyed to you expectation get done?
11:27:08 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	AE1 and AE2 queue clusters?
11:27:21 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Have to do affected systems studies?
11:28:25 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	One requires affected systems study, gotten back from ITO?
11:28:37 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Ask as post-hearing data request for affected systems study for AE2-038 project?
11:28:38 AM	POST-HEARING DATA REQUEST Note: Sacre, Candace Note: Sacre, Candace	CHAIRMAN CHANDLER - WITNESS KERR AFFECTED SYSTEMS STUDY FOR AE2-038 PROJECT
11:29:08 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Know when amended queue request had any land under control?
11:29:20 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Know whether provided entirety of project?
11:29:44 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Know what representations made to PJM which land under control for each of applicants?
11:29:57 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Think split up?
11:30:00 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Not say here's 4,000 acres for first one and same for second one?
11:30:23 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Assignment related to that issue?
11:30:57 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	In room when asking about noncontiguous nature of five entities?
11:31:12 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Area own inverters 34.5 kV line runs under and enters parcel, collection line run by own or join up with inverter for second parcel?
11:31:56 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	First project worked on?
11:32:03 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Worked on any before Recurrent?
11:32:05 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Worked on project this dispersed, noncontiguous?
11:32:41 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Areas not adjoining, intervening landowners between?
11:33:00 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Another landowner in between not necessarily have land that will have solar facility?
11:33:30 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Fencing just goes around solar panels and battery?
11:33:56 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	In previous projects noncontiguous, was similar agreement cross property also nonparticipating?
11:34:41 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Could be single landowner?

11:35:04 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Was that case with other project, person owned land not have solar or similar this project?
11:35:38 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Other projects actually built located within project footprint not have to be fenced in?
11:36:08 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Not building fences around them?
11:37:01 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Refer to AC system as collection system as between generator and inverter?
11:37:54 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Then 34.5 kV system and steps up to 138, accurate?
11:38:19 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Collection system up to inverter or up to substation?
11:38:31 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Everything from panel to substation?
11:38:39 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	If owner of farm has easement some of the collection system, participating for purpose of setbacks?
11:39:14 AM	Chairman Chandler - witness Kerr Note: Sacre, Candace	Farm live on it, leasing 1,000 acres same as person that gives easement?
11:39:41 AM	Chairman Chandler Note: Sacre, Candace	Mr. Dutton?
11:39:58 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	Redirect Examination. Binder 1, Tab 1, page 3, motion for deviation and proximity fence line to home, residential neighbors?
11:40:40 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	Page 3, statement 260 feet and nonparticipating 352 feet, and that is project wide?
11:40:58 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	When say proposed facility, mean panels?
11:42:08 AM	Atty Dutton Hummingbird Solar - witness Kerr Note: Sacre, Candace	If was discrepancy original request and application, noise report distances be accurate distance?
11:42:35 AM	Chairman Chandler Note: Sacre, Candace	Anything else?
11:42:42 AM	Chairman Chandler Note: Sacre, Candace	Next witness?
11:42:56 AM	Atty Dutton Hummingbird Solar Note: Sacre, Candace	Jack Zoucha.
11:43:20 AM	Chairman Chandler Note: Sacre, Candace	Witness is sworn.
11:43:24 AM	Chairman Chandler - witness Zoucha Note: Sacre, Candace	Examination. Name and address?
11:43:38 AM	Atty Dutton Hummingbird Solar - witness Zoucha Note: Sacre, Candace	Direct Examination. Employer?
11:43:43 AM	Atty Dutton Hummingbird Solar - witness Zoucha Note: Sacre, Candace	Role?
11:43:52 AM	Atty Dutton Hummingbird Solar - witness Zoucha Note: Sacre, Candace	What role with this application?
11:44:14 AM	Atty Dutton Hummingbird Solar - witness Zoucha Note: Sacre, Candace	He sponsored data requests?

11:44:20 AM Atty Dutton Hummingbird Solar - witness Zoucha
Note: Sacre, Candace Adopted those?

11:44:24 AM Atty Dutton Hummingbird Solar - witness Zoucha
Note: Sacre, Candace Clarify or correct?

11:44:30 AM Chairman Chandler
Note: Sacre, Candace Ms. Temple?

11:44:33 AM Staff Atty Temple PSC - witness Zoucha
Note: Sacre, Candace Cross Examination. Filling in, mean did any work or just here?

11:44:56 AM Staff Atty Temple PSC - witness Zoucha
Note: Sacre, Candace Have information about spacing of panels and heights of panels?

11:45:39 AM Staff Atty Temple PSC - witness Zoucha
Note: Sacre, Candace Bottom of ground to panels?

11:45:58 AM Staff Atty Temple PSC - witness Zoucha
Note: Sacre, Candace Planned help with runoff?

11:46:16 AM Chairman Chandler
Note: Sacre, Candace Deputy Secretary?

11:46:27 AM Board Member Lyons - witness Zoucha
Note: Sacre, Candace Examination. Karst, geotech done, been done or submitted?

11:47:14 AM Board Member Lyons - witness Zoucha
Note: Sacre, Candace What were results?

11:47:26 AM Board Member Lyons - witness Zoucha
Note: Sacre, Candace What setbacks be?

11:47:36 AM Chairman Chandler
Note: Sacre, Candace Mr. Montgomery?

11:47:41 AM Chairman Chandler
Note: Sacre, Candace Judge Sims?

11:47:47 AM Chairman Chandler
Note: Sacre, Candace Vice Chair?

11:47:49 AM Chairman Chandler
Note: Sacre, Candace Commissioner?

11:48:16 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Examination. Dealt with karst before?

11:48:24 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace What basis for 50 feet?

11:48:38 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace From center, from edges?

11:49:05 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Not until field survey realize karst issue?

11:49:38 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Soil erosion consideration in siting of solar permitting?

11:50:01 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Distance between panels makes difference obviating soil erosion?

11:50:24 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Academic literature on this issue implicate it?

11:50:38 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace When show up to DOW purposes alleviating concerns around, Hummingbird Energy not taking that into account?

11:51:09 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Only thing look at velocity based off of what?

11:51:19 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Considerations contribute to that issue?

11:51:27 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Topography, type of soil?

11:51:39 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Consideration to what ground cover is?

11:51:54 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Hill, 45 degrees, agree whether barren hill, hill with fescue, hill with some other native grass, those contribute differently?

11:52:11 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace What talking about take that into account?

11:52:18 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Whatever ground cover is time of study what assume ground cover be in future?

11:52:22 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Is case for your projects?

11:52:36 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Do study way land lies, whether be case intend sow it in, have ground cover going forward?

11:52:53 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Understanding study not take into account distribution of water contact?

11:53:16 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Solid facility, not permeable?

11:53:26 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Where rain on slope and be distributed, now hit ground nowhere under panel but at either end?

11:53:45 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Fair assume changes how water interacts with soil?

11:54:13 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Before water goes to place, coming into contact with ground, less dispersed post installment solar panels?

11:54:20 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace Taken into account in study talking about?

11:54:31 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace When contractor does storm water survey, agree solar panels further apart reduces risk of storm water erosion?

11:55:06 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace If folks doing survey not taking into account, what are we doing?

11:56:03 AM Chairman Chandler - witness Zoucha
Note: Sacre, Candace If depending on EPC do studies, necessarily cannot occur until EPC chosen?

11:56:24 AM Chairman Chandler
Note: Sacre, Candace Mr. Dutton?

11:56:39 AM Atty Dutton Hummingbird Solar - witness Zoucha
Note: Sacre, Candace Redirect Examination. Hydrology study done prior to selecting EPC?

11:56:49 AM Atty Dutton Hummingbird Solar - witness Zoucha
Note: Sacre, Candace Select EPC, has benefit of study, prior to getting permit from DOW?

11:57:03 AM Atty Dutton Hummingbird Solar - witness Zoucha
Note: Sacre, Candace EPC storm water professional?

11:57:18 AM Atty Dutton Hummingbird Solar - witness Zoucha
Note: Sacre, Candace Recurrent relies on expertise EPC regards storm water how best managed?

11:57:38 AM Chairman Chandler
Note: Sacre, Candace Mr. Dutton?

11:57:42 AM Atty Dutton Hummingbird Solar
Note: Sacre, Candace Orla Lavender.

11:58:03 AM	Chairman Chandler Note: Sacre, Candace	Witness is sworn.
11:58:09 AM	Chairman Chandler - witness Lavender Note: Sacre, Candace	Examination. Name and address?
11:58:20 AM	Atty Dutton Hummingbird Solar - witness Lavender Note: Sacre, Candace	Direct Examination. Employer?
11:58:26 AM	Atty Dutton Hummingbird Solar - witness Lavender Note: Sacre, Candace	Role with company?
11:58:30 AM	Atty Dutton Hummingbird Solar - witness Lavender Note: Sacre, Candace	How many years?
11:58:32 AM	Atty Dutton Hummingbird Solar - witness Lavender Note: Sacre, Candace	Role with application?
11:58:45 AM	Atty Dutton Hummingbird Solar - witness Lavender Note: Sacre, Candace	Extend to understanding of real estate?
11:58:53 AM	Atty Dutton Hummingbird Solar - witness Lavender Note: Sacre, Candace	Questions about whether two queue positions reported as 4,000 acres or subsets, speak on that?
12:00:00 PM	Atty Dutton Hummingbird Solar - witness Lavender Note: Sacre, Candace	Reported as total area or separated so each position got portion of project?
12:00:09 PM	Atty Dutton Hummingbird Solar - witness Lavender Note: Sacre, Candace	Know which parcels in which queue position?
12:00:15 PM	Atty Dutton Hummingbird Solar - witness Lavender Note: Sacre, Candace	Have C100?
12:02:30 PM	Chairman Chandler Note: Sacre, Candace	Post-hearing data request amend map indicate which queue request pertains to each facility or geographic area?
12:02:31 PM	POST-HEARING DATA REQUEST Note: Sacre, Candace Note: Sacre, Candace	ATTY DUTTON HUMMINGBIRD SOLAR - WITNESS LAVENDER AMEND MAP TO INDICATE WHICH QUEUE REQUEST PERTAINS TO EACH FACILITY/GEOGRAPHIC AREA
12:02:47 PM	Atty Dutton Hummingbird Solar - witness Lavender Note: Sacre, Candace	Anything else clarify or correct?
12:02:55 PM	Chairman Chandler Note: Sacre, Candace	Ms. Temple?
12:03:03 PM	Chairman Chandler Note: Sacre, Candace	Deputy Secretary?
12:03:09 PM	Chairman Chandler Note: Sacre, Candace	Mr. Montgomery?
12:03:13 PM	Chairman Chandler Note: Sacre, Candace	Judge Sims?
12:03:18 PM	Chairman Chandler Note: Sacre, Candace	Questions?
12:03:29 PM	Chairman Chandler - witness Lavender Note: Sacre, Candace	Examination. Original leases, options, or easements with Hummingbird Solar LLC?
12:03:46 PM	Chairman Chandler - witness Lavender Note: Sacre, Candace	Counterparty with landowner original document ever Hummingbird Energy LLC?
12:04:03 PM	Chairman Chandler - witness Lavender Note: Sacre, Candace	Through assignment done earlier this month?
12:04:37 PM	Chairman Chandler - witness Lavender Note: Sacre, Candace	Applicant here Hummingbird Energy LLC?

12:04:46 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Post-hearing assignment Hummingbird Energy, LLC party to all easements, options, and leases?

12:04:47 PM POST-HEARING DATA REQUEST
Note: Sacre, Candace CHAIRMAN CHANDLER - WITNESS LAVENDER
Note: Sacre, Candace HUMMINGBIRD ENERGY LLC PARTY TO ALL EASEMENTS, OPTIONS, AND LEASES

12:05:07 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Applicant at PJM for two system impact studies Hummingbird Solar LLC?

12:05:22 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Looking at system impact study, it says Hummingbird Solar LLC?

12:05:41 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Exhibit D to application, first is revised impact study for August 2022?

12:06:18 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace What used to it looking like, General, numbered page 5 at bottom, has identification number AE1-144 and has Goddard Plumville 138?

12:06:41 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Bigger of the two, 80 MWs?

12:07:11 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Go past exhibit another impact study Aug 2022 for other project?

12:07:26 PM Chairman Chandler
Note: Sacre, Candace Identification of documents. (Click on link for further comments.)

12:09:20 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace See on page 4 of document?

12:09:30 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Got information about project up there?

12:09:40 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Says in chart Interconnecting Customer is Hummingbird Solar LLC?

12:09:49 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Back up under General Interconnection Customer Hummingbird Solar LLC, every time says IC assume means Hummingbird Solar LLC?

12:10:10 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Hummingbird Solar has proposed uprate to existing solar storage generating facility in Fleming County, reading (click on link for further comments), how read/understand all that?

12:11:28 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Testimony earlier, Hummingbird Energy was person had queue, necessitated assigning leases, originally was alignment?

12:12:03 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Post-hearing changes to application, applicant name, updated studies, revised studies, facilities study, in addition to assignment to Hummingbird Energy LLC.

12:12:04 PM POST-HEARING DATA REQUEST
Note: Sacre, Candace CHAIRMAN CHANDLER - WITNESS LAVENDER
Note: Sacre, Candace PROVIDE ALL CHANGES TO APPLICATION, APPLICANT NAME, UPDATED/REVISED STUDIES, FACILITIES STUDY, AND ASSIGNMENT TO HUMMINGBIRD ENERGY, LLC

12:12:42 PM Chairman Chandler - witness Lavender
Note: Sacre, Candace Anything else that is prerequisite being built now represented in name other than applicant name and now in applicant name update record, post-hearing data request?

12:12:43 PM	POST-HEARING DATA REQUEST Note: Sacre, Candace Note: Sacre, Candace	CHAIRMAN CHANDLER - WITNESS LAVENDER ANYTHING ELSE A PREREQUISITE PROJECT BEING BUILT REPRESENTED IN NAME OTHER THAN APPLICANT NAME AND NOW IN APPLICANT NAME BE PROVIDED AND RECORD UPDATED
12:13:55 PM	Chairman Chandler - witness Lavender Note: Sacre, Candace	Your response earlier about participating verse non-participating, response anyone given disagree with, no agreements considering landowners merely have easements being participating landowners?
12:14:48 PM	Chairman Chandler Note: Sacre, Candace	Mr. Dutton, questions?
12:14:58 PM	Chairman Chandler Note: Sacre, Candace	Next witness?
12:15:02 PM	Atty Dutton Hummingbird Solar Note: Sacre, Candace	Chad Martin.
12:15:14 PM	Chairman Chandler Note: Sacre, Candace	Witness is sworn.
12:15:21 PM	Chairman Chandler - witness Martin Note: Sacre, Candace	Examination. Name and address?
12:15:33 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	Direct Examination. Employer?
12:15:37 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	Role?
12:15:43 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	How many years?
12:15:48 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	What role with this application?
12:16:20 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	During course of study additional structures identified not originally identified in setbacks?
12:16:47 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	Clarify what setbacks requested are both participating or nonparticipating?
12:17:07 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	Binder 1, Tab 1, page 3, second full sentence, reading (click on link for further comments), clarified facility mean panels, reading (click on link for further comments), is that still position minimum setbacks or amended?
12:18:27 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	Participating or nonparticipating?
12:18:35 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	Sound study clarify participating or nonparticipating?
12:18:45 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	Look at sound study, identifying correct receptor, have sound study?
12:20:11 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	That is nearest residential structure to any panel?
12:20:17 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	Actually, request for minimum setback from residential?
12:20:31 PM	Chairman Chandler Note: Sacre, Candace	Ms. Temple?
12:20:42 PM	Staff Atty Temple PSC - witness Martin Note: Sacre, Candace	Cross Examination. 268 feet is to panel?
12:20:53 PM	Staff Atty Temple PSC - witness Martin Note: Sacre, Candace	Setbacks not requested from boundary line?

12:21:05 PM	Staff Atty Temple PSC - witness Martin Note: Sacre, Candace	What about to inverter?
12:21:58 PM	Staff Atty Temple PSC - witness Martin Note: Sacre, Candace	What is closest?
12:23:21 PM	Staff Atty Temple PSC - witness Martin Note: Sacre, Candace	Road usage, very small road, traffic, more information how traffic managed and ensure no degradation to roads?
12:25:08 PM	Staff Atty Temple PSC - witness Martin Note: Sacre, Candace	Types of evergreens be used, all native species?
12:25:33 PM	Chairman Chandler Note: Sacre, Candace	Deputy Secretary?
12:25:48 PM	Board Member Lyons - witness Martin Note: Sacre, Candace	Examination. Intent avoid streams or will be applying for 104 permit?
12:27:02 PM	Board Member Lyons - witness Martin Note: Sacre, Candace	Map attached decommissioning plan, offsets, what is difference, from any stream?
12:28:38 PM	Board Member Lyons - witness Martin Note: Sacre, Candace	Hundred-year flood plain, think 25 to 50 is enough?
12:29:24 PM	Board Member Lyons - witness Martin Note: Sacre, Candace	DOW think 100 foot be safer, Phase 1 mentioned, Phase 1 been done?
12:30:09 PM	Atty Dutton Hummingbird Solar - witness Martin Note: Sacre, Candace	Submitted?
12:30:10 PM	POST-HEARING DATA REQUEST Note: Sacre, Candace Note: Sacre, Candace	BOARD MEMBER LYONS - WITNESS MARTIN COPY OF SUBMITTED PHASE ONE
12:30:40 PM	Board Member Lyons - witness Martin Note: Sacre, Candace	Letter 4-21-22 from Fish and Wildlife, concurred not impact suitable habitat, no suitable habitat in project area?
12:32:30 PM	Board Member Lyons - witness Martin Note: Sacre, Candace	Is Fleming Creek within project area?
12:32:51 PM	Board Member Lyons - witness Martin Note: Sacre, Candace	Will a mussel survey be done, necessary?
12:33:42 PM	Board Member Lyons - witness Martin Note: Sacre, Candace	Storm water control, plan prevent erosion, number of jurisdictional streams/wetlands indicated by Corps, change project scope?
12:34:31 PM	Chairman Chandler Note: Sacre, Candace	Mr. Montgomery?
12:34:36 PM	Chairman Chandler Note: Sacre, Candace	Judge Sims?
12:34:42 PM	Chairman Chandler Note: Sacre, Candace	Redirect?
12:35:00 PM	Atty Dutton Hummingbird Solar Note: Sacre, Candace	Fletcher Mangum.
12:35:20 PM	Chairman Chandler Note: Sacre, Candace	Witness is sworn.
12:35:26 PM	Chairman Chandler - witness Mangum Note: Sacre, Candace	Examination. Name and address?
12:35:39 PM	Atty Dutton Hummingbird Solar - witness Mangum Note: Sacre, Candace	Direct Examination. Employer?
12:35:44 PM	Atty Dutton Hummingbird Solar - witness Mangum Note: Sacre, Candace	How long?

12:35:48 PM	Atty Dutton Hummingbird Solar - witness Mangum Note: Sacre, Candace	Role?
12:35:50 PM	Atty Dutton Hummingbird Solar - witness Mangum Note: Sacre, Candace	Role with application?
12:35:59 PM	Atty Dutton Hummingbird Solar - witness Mangum Note: Sacre, Candace	Anything clarify or correct?
12:36:07 PM	Chairman Chandler Note: Sacre, Candace	Ms. Temple?
12:36:13 PM	Chairman Chandler Note: Sacre, Candace	Deputy Secretary?
12:36:18 PM	Chairman Chandler Note: Sacre, Candace	Mr. Montgomery?
12:36:25 PM	Board Member Montgomery - witness Mangum Note: Sacre, Candace	Examination. In report, statement, reading (click on link for further comments), also include amount of jobs created?
12:38:11 PM	Board Member Montgomery - witness Mangum Note: Sacre, Candace	What trying to get at Table 1 report and 216 employees with income of \$6.3 million, divide two numbers, \$30,000 average wages, \$585, well below average weekly pay in Fleming County, how quantify whether jobs average above or below?
12:41:15 PM	Board Member Montgomery - witness Mangum Note: Sacre, Candace	Correlation IMPLAN provided and Bureau of Labor and Statistics?
12:42:15 PM	Board Member Montgomery - witness Mangum Note: Sacre, Candace	Footnote 26, page 16, what mean by that?
12:43:53 PM	Chairman Chandler Note: Sacre, Candace	Judge?
12:43:57 PM	Chairman Chandler Note: Sacre, Candace	Redirect?
12:44:03 PM	Chairman Chandler Note: Sacre, Candace	One more witness?
12:44:06 PM	Atty Dutton Hummingbird Solar Note: Sacre, Candace	Adam Peterson.
12:44:22 PM	Chairman Chandler Note: Sacre, Candace	Witness is sworn.
12:44:29 PM	Chairman Chandler - witness Peterson Note: Sacre, Candace	Examination. Name and address?
12:44:46 PM	Atty Dutton Hummingbird Solar - witness Peterson Note: Sacre, Candace	Direct Examination. Employer?
12:44:49 PM	Atty Dutton Hummingbird Solar - witness Peterson Note: Sacre, Candace	Role?
12:44:55 PM	Atty Dutton Hummingbird Solar - witness Peterson Note: Sacre, Candace	How long?
12:45:00 PM	Atty Dutton Hummingbird Solar - witness Peterson Note: Sacre, Candace	What is role with application?
12:45:20 PM	Atty Dutton Hummingbird Solar - witness Peterson Note: Sacre, Candace	Anything correct or clarify?
12:45:45 PM	Chairman Chandler Note: Sacre, Candace	Questions?
12:46:11 PM	Chairman Chandler Note: Sacre, Candace	Redirect of yourself?
12:47:13 PM	Chairman Chandler Note: Sacre, Candace	Procedural discussion. (Click on link for further comments.)
12:48:09 PM	Chairman Chandler Note: Sacre, Candace	Anything else?

12:48:15 PM

Chairman Chandler

Note: Sacre, Candace

Hearing adjourned.

12:48:29 PM

Session Ended

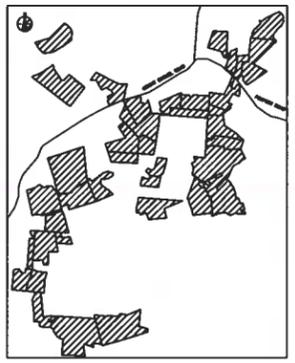
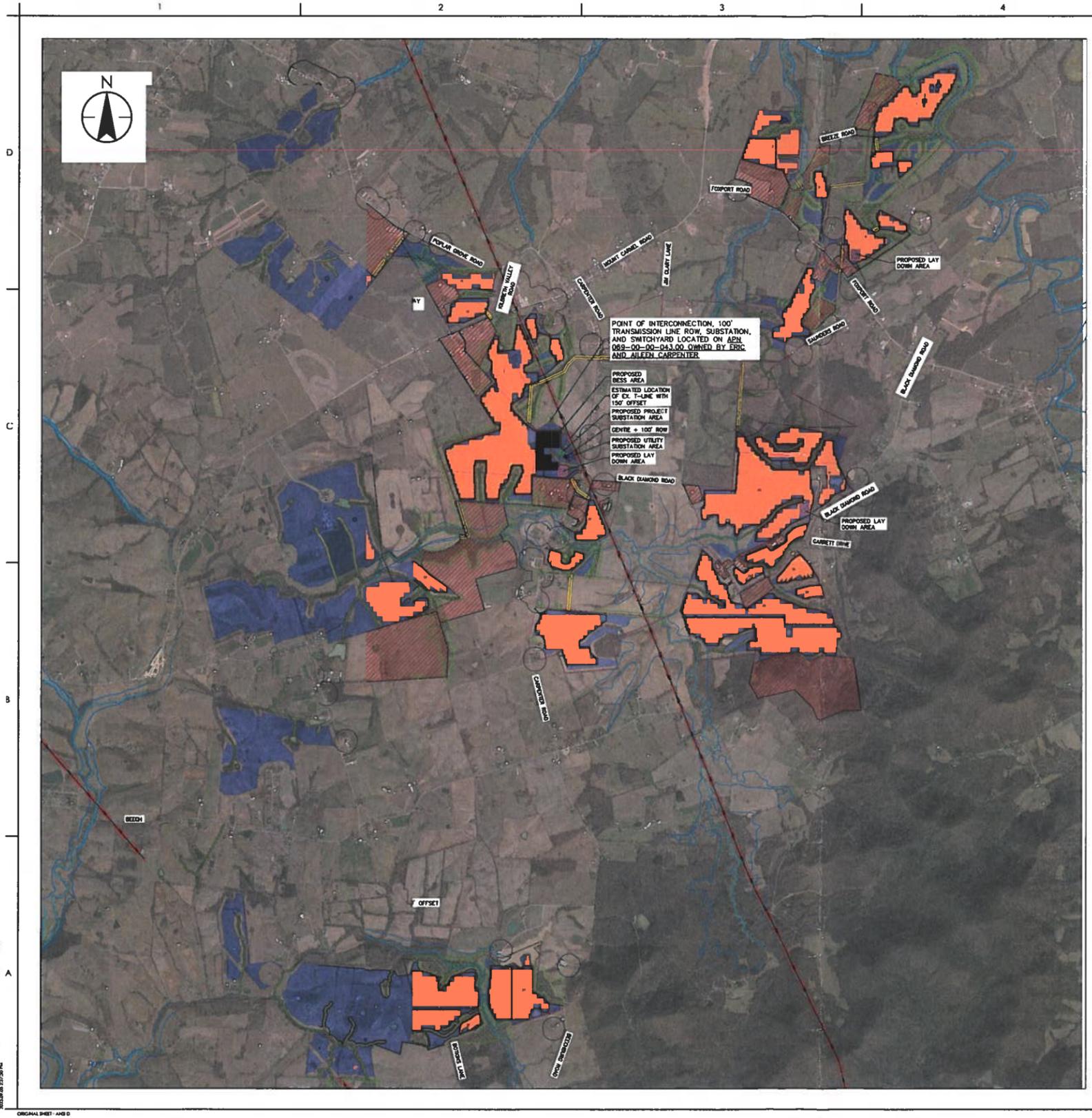


Exhibit List Report

2022-00272 24Oct2023

Hummingbird Energy, LLC
(Hummingbird Solar)

Name:	Description:
HUMMINGBIRD SOLAR HEARING EXHIBIT 1	MAPS OF PROPOSED PROJECT



LEGEND

	PROPOSED SOLAR ARRAY
	WINDTOWER STATION
	BATTERY ENERGY STORAGE SYSTEM
	PROPOSED FENCELINE
	PROPERTY BOUNDARY
	PROPOSED ROWS
	E-34.8W-04-250W-14
	E-34.8W-04-250W-24
	E-34.8W-04-250W-14
	E-34.8W-04-250W-24
	PROPOSED ACCESS ROADS
	WETLAND AND WATERWAY SETBACKS
	FEMA FLOOD ZONE - 100 YEAR FLOOD PLAN AREA
	FEMA FLOOD ZONE - 100 YEAR - WATER LINE
	DL OVERHEAD POWER OFFSET
	DL OVERHEAD POWER
	NONPARTICIPATING RESIDENT
	PARTICIPATING RESIDENT
	KARST AREAS
	KARST AREAS OFFSETS
	HV AND HV EASEMENT
	BUILDABLE AREA
	EXCLUSION AREA
	PROPOSED PROJECT SUBSTATION LOCATION
	PROPOSED UTILITY SUBSTATION LOCATION
	PROPOSED BESS LOCATION
	PROPOSED LAY DOWN AREA
	EXISTING VEGETATIVE BUFFER

PROJECT DATA	
PARCEL AREA	4,141 ACRES
PARCEL AREA WITHOUT EXCLUSION AREAS	3,507 ACRES
BUILDABLE AREA	2,032 ACRES

NOTES:
 1. PROJECT AREAS ARE SUBJECT TO CHANGE PENDING FUTURE DESIGN CONSTRAINTS

OFFSETS:
 1. WETLANDS - 25'
 2. STREAMS - 25'
 3. NON-PARTICIPATING ADJACENT OR BUSINESS - 300'
 4. PARTICIPATING LANDOWNERS - 200'
 5. EXISTING TRANSMISSION LINE - 25'
 6. TREE SHADING - SOUTH 20'
 7. TREE SHADING - NORTH, EAST AND WEST 80'
 8. OPEN WATER - 25'
 9. FEMA FLOOD PLAN 25'
 10. ROADS - 100' FROM EDGE



Stantec
 207 Commerce Parkway, P.O. Box 128
 Cottage Grove, Wisconsin 53527-8955
 Tel: (608) 839-1998
 www.stantec.com

Copyright Reserved
 The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultant

Revision	By	App'd	YYYY-MM-DD	
E	REVIEWED FOR SUB SUBMISSION	DK	CM	2023.09.05
D	ISSUED FOR SUB SUBMISSION	DK	CM	2023.05.28
C	ISSUED FOR REVIEW	IS	DK	2023.02.08
B	ISSUED FOR REVIEW	IG	DK	2022.07.11
A	ISSUED FOR REVIEW	IG	DK	2022.05.19

CONCEPTUAL LAYOUT IG DK 2022.05.19
 By: Addoc YYYY-MM-DD

File Name: 193708901_C100 IG IG DK 2022.03.25
 Uwn. Dign. Cred. YYYY-MM-DD

Permit/Seal

Client/Project Logo



Client/Project
 HUMMINGBIRD ENERGY LLC

HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

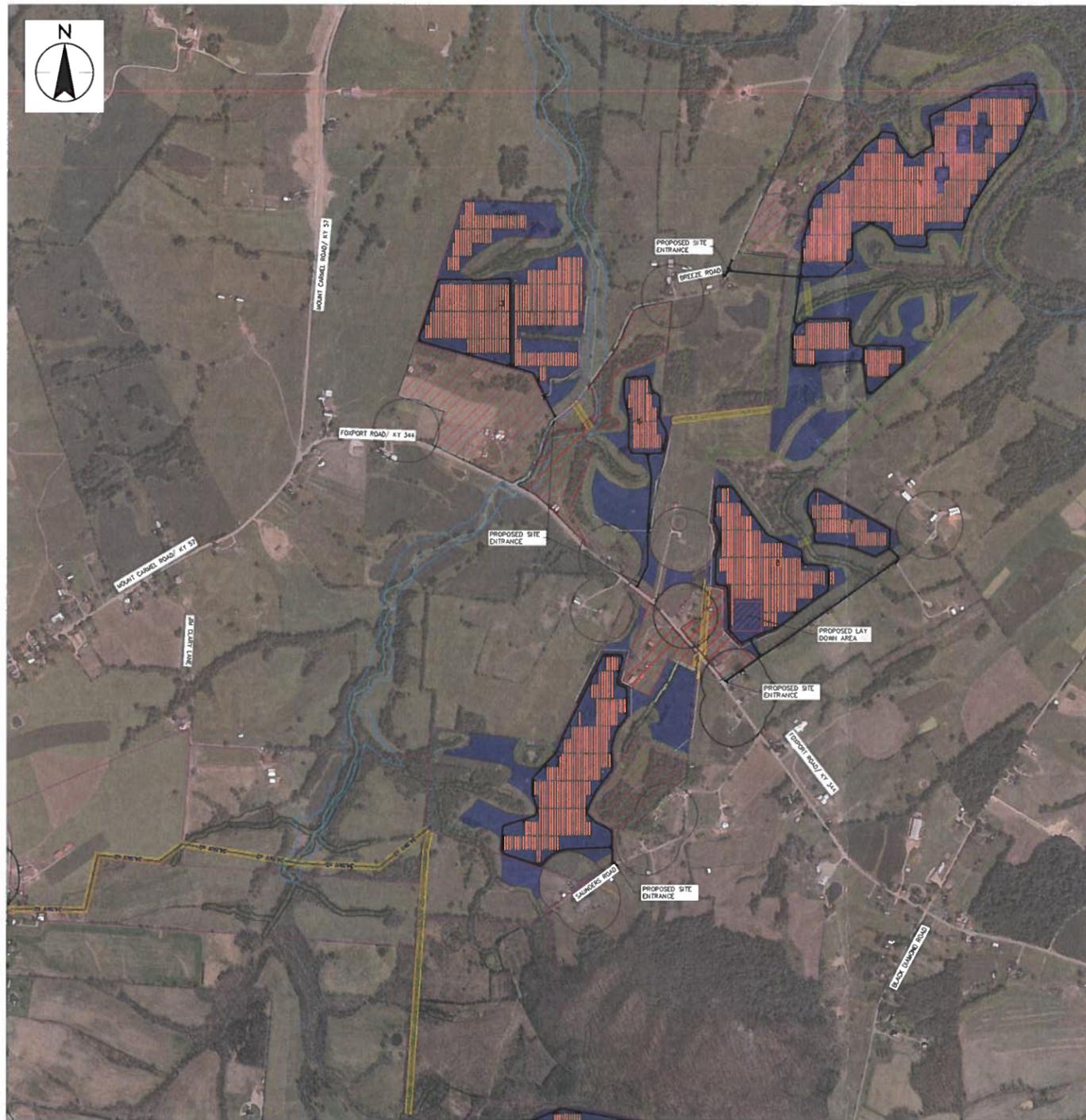
Title
 CONCEPTUAL LAYOUT
 OVERALL SITE

Project No.
 193708901

Scale
 NTS

Revision Sheet
 E 1 of 1

Drawing No.
C100



LEGEND

- PROPOSED SOLAR ARRAY
- INVERTER STATION
- BATTERY ENERGY STORAGE SYSTEM
- PROPOSED FENCELINE
- PROPERTY BOUNDARY
- PROPOSED SCREENING
- E-34 34'-0" - 250'-1'
- E-34 34'-0" - 250'-2'
- E-34 34'-0" - 500'-1'
- E-34 34'-0" - 500'-2'
- PROPOSED ACCESS ROADS
- WETLAND AND WATERWAY SETBACKS
- FEMA FLOOD ZONE - 100 YEAR FLOOD PLAN AREA
- FEMA FLOOD ZONE - 100 YEAR - WATER LINE
- EX. OVERHEAD POWER OFFSET
- EX. OVERHEAD POWER
- NON-PARTICIPATING RESIDENT
- PARTICIPATING RESIDENT
- HARST AREAS
- HARST AREAS OFFSETS
- WY AND HY EASEMENT
- BUILDABLE AREA
- EXCLUSION AREA
- PROPOSED PROJECT SUBSTATION LOCATION
- PROPOSED UTILITY SUBSTATION LOCATION
- PROPOSED BESS LOCATION
- PROPOSED LAY DOWN AREA
- EXISTING VEGETATIVE BUFFER

PROJECT DATA	
PARCEL AREA	4,141 ACRES
PARCEL AREA WITHOUT EXCLUSION AREAS	3,507 ACRES
BUILDABLE AREA	2,032 ACRES

- NOTES:**
- PROJECT AREAS ARE SUBJECT TO CHANGE PENDING FUTURE DESIGN CONSTRAINTS
- OFFSETS:**
- WETLANDS - 25'
 - STREAMS - 25'
 - NON-PARTICIPATING ADJACENT OR BUSINESS - 300'
 - PARTICIPATING LANDOWNERS - 200'
 - EXISTING TRANSMISSION LINE - 25'
 - TREE SHADING - SOUTH 20'
 - TREE SHADING - NORTH, EAST AND WEST 80'
 - OPEN WATER - 25'
 - FEMA FLOOD PLAN 25'
 - ROADS - 100' FROM EDGE



Stantec
209 Commerce Parkway, P.O. Box 128
Cottage Grove, Wisconsin 53527-8955
Tel: (608) 839-1998
www.stantec.com

Copyright Reserved
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing. Any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Revision			
By	App'd	Date	Description
JK	CM	2022.09.05	ISSUED FOR I&E SUBMISSION
JK	CM	2022.05.26	ISSUED FOR I&E SUBMISSION
JG	DK	2022.02.08	ISSUED FOR REVIEW
JG	DK	2022.07.11	ISSUED FOR REVIEW
JG	DK	2022.05.19	ISSUED FOR REVIEW

CONCEPTUAL LAYOUT			
By	App'd	Date	Description
JG	DK	2022.05.19	CONCEPTUAL LAYOUT

Permit/Seal			
By	App'd	Date	Description
JG	DK	2022.03.25	Permit/Seal

Client/Project Logo



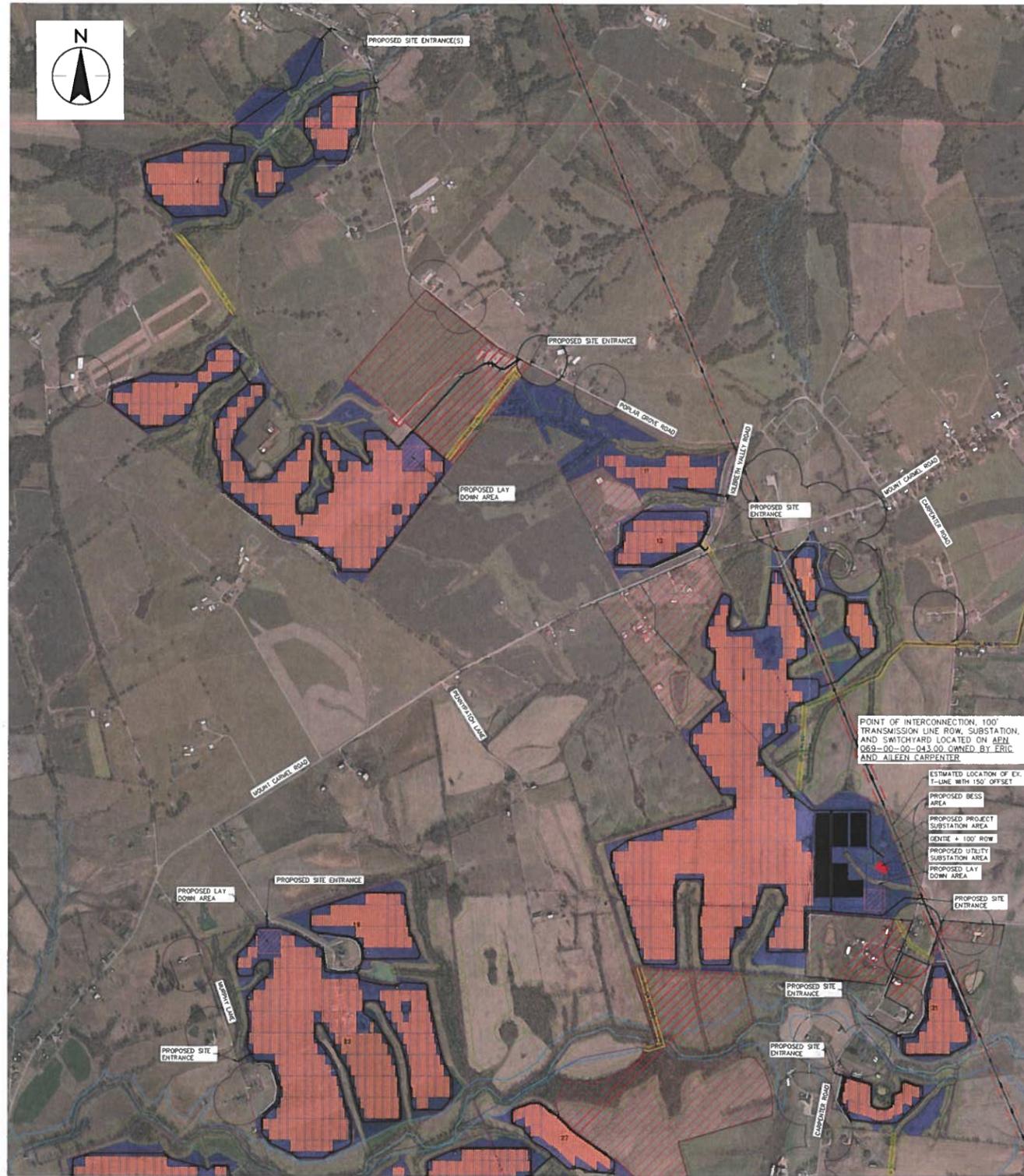
Client/Project
HUMMINGBIRD ENERGY LLC

HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title
CONCEPTUAL LAYOUT
SECTIONAL VIEW

Project No. 193708901	Scale NTS
Revision Sheet E 1 of 5	Drawing No. C200



LEGEND

- PROPOSED SOLAR ARRAY
- INVERTER STATION
- BATTERY ENERGY STORAGE SYSTEM
- PROPOSED FENCELINE
- PROPERTY BOUNDARY
- PROPOSED SCREENING
 - E-34 5kV-OH-250M-1
 - E-34 5kV-OH-250M-2
 - E-34 5kV-OH-500M-1
 - E-34 5kV-OH-500M-2
- PROPOSED ACCESS ROADS
- WETLAND AND WATERWAY SETBACKS
- FEMA FLOOD ZONE - 100 YEAR FLOOD PLAN AREA
- FEMA FLOOD ZONE - 100 YEAR - WATER LINE
- E4 OVERHEAD POWER OFFSET
- E4 OVERHEAD POWER
- NONPARTICIPATING RESIDENT
- PARTICIPATING RESIDENT
- KARST AREAS
- KARST AREAS OFFSETS
- MV AND HV EASEMENT
- BUILDABLE AREA
- EXCLUSION AREA
- PROPOSED PROJECT SUBSTATION LOCATION
- PROPOSED UTILITY SUBSTATION LOCATION
- PROPOSED BESS LOCATION
- PROPOSED LAY DOWN AREA
- EXISTING VEGETATIVE BUFFER

PROJECT DATA	
PARCEL AREA	4,141 ACRES
PARCEL AREA WITHOUT EXCLUSION AREAS	3,507 ACRES
BUILDABLE AREA	2,032 ACRES

- NOTES**
1. PROJECT AREAS ARE SUBJECT TO CHANGE PENDING FUTURE DESIGN CONSTRAINTS
- OFFSETS**
1. WETLANDS - 25'
 2. STREAMS - 25'
 3. NON-PARTICIPATING ADJACENT OR BUSINESS - 300'
 4. PARTICIPATING LANDOWNERS - 200'
 5. EXISTING TRANSMISSION LINE - 25'
 6. TREE SHADING - SOUTH 20'
 7. TREE SHADING - NORTH, EAST AND WEST 80'
 8. OPEN WATER - 25'
 9. FEMA FLOOD PLAN 25'
 10. ROADS - 100' FROM EDGE



Stantec
207 Commerce Parkway, P.O. Box 128
Cottage Grove, Wisconsin 53527-8955
Tel: (608) 839-1998
www.stantec.com

Copyright Reserved
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyright to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultant

Revision	By	App'd	DATE	
E	ISSUED FOR SUB SUBMISSION	DK	CM	2022.09.05
D	ISSUED FOR SUB SUBMISSION	DK	CM	2022.05.26
C	ISSUED FOR REVIEW	JH	DK	2022.03.08
B	ISSUED FOR REVIEW	JG	DK	2022.02.11
A	ISSUED FOR REVIEW	JG	DK	2022.05.19

CONCEPTUAL LAYOUT	JG	DK	2022.06.19
	By	App'd	DATE

File Name: 193708901_C200	JG	DK	2022.03.25
	Drawn	Digitl	Chkd

Client/Project Logo
RECURRENT ENERGY
A subsidiary of Canadian Solar

Client/Project
HUMMINGBIRD ENERGY LLC

HUMMINGBIRD SOLAR PROJECT

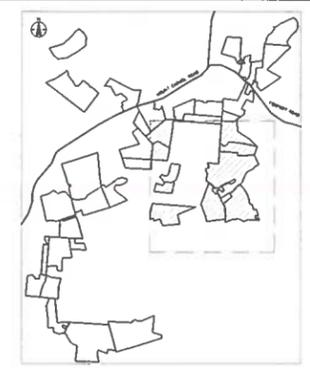
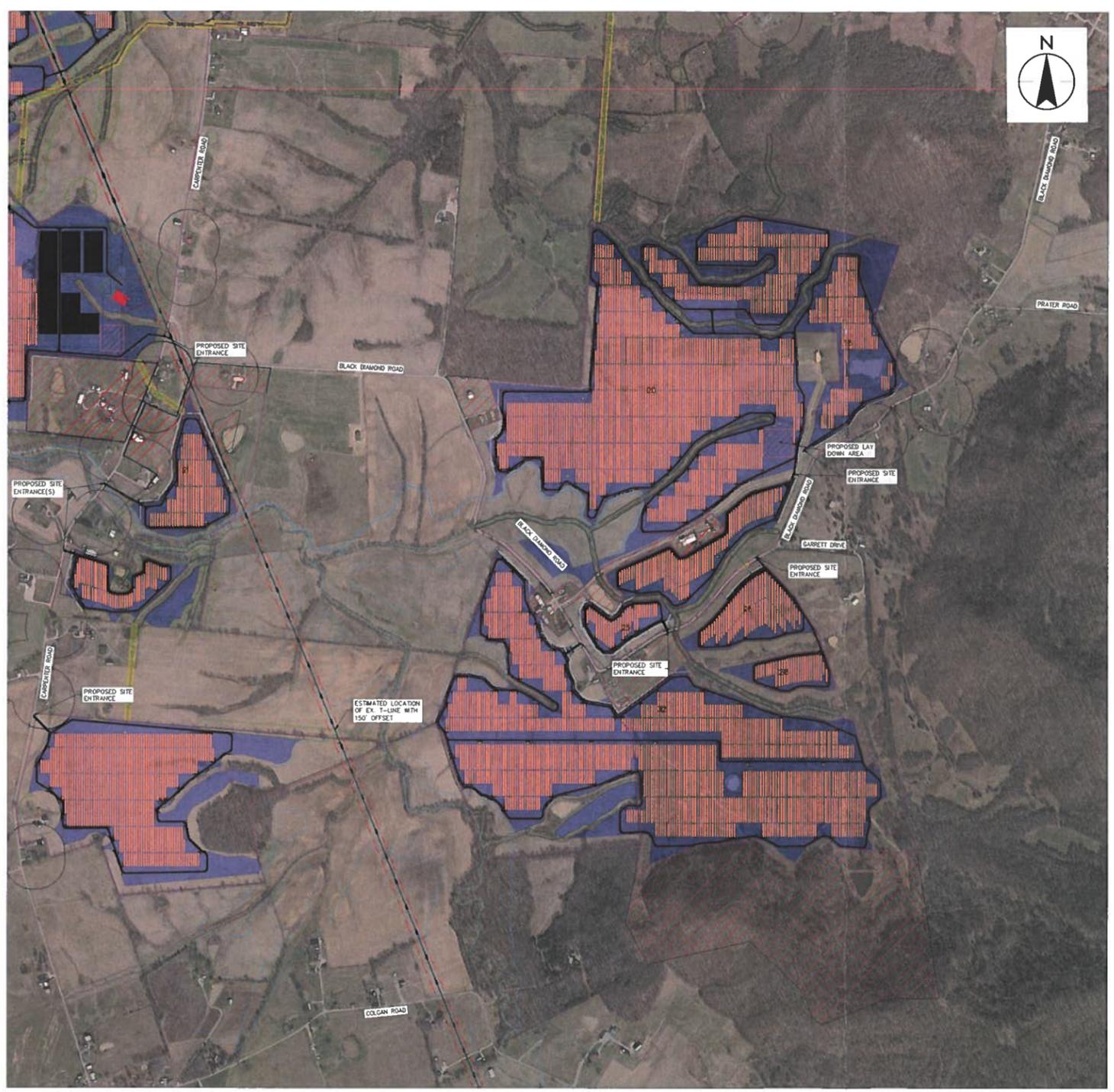
Mt. Carmel, Kentucky (Fleming County)

Title
CONCEPTUAL LAYOUT
SECTIONAL VIEW

Project No. 193708901	Scale NTS
Revision Sheet E 2 of 5	Drawing No. C200

1 2 3 4 5

D
C
B
A



LEGEND

	PROPOSED SOLAR ARRAY
	INVERTER STATION
	BATTERY ENERGY STORAGE SYSTEM
	PROPOSED FENCELINE
	PROPERTY BOUNDARY
	PROPOSED SCREENING
	E-34 5kV-DH-25MIR-1-1
	E-34 5kV-DH-25MIR-2-1
	E-34 5kV-DH-50MIR-1-1
	E-34 5kV-DH-50MIR-2-1
	PROPOSED ACCESS ROADS
	WETLAND AND WATERWAY SETBACKS
	FEMA FLOOD ZONE - 100 YEAR FLOOD PLAN AREA
	FEMA FLOOD ZONE - 100 YEAR - WATER LINE
	E1 OVERHEAD POWER OFFSET
	E1 OVERHEAD POWER
	NONPARTICIPATING RESIDENT
	PARTICIPATING RESIDENT
	HARST AREAS
	HARST AREAS OFFSETS
	WY AND HY EASEMENT
	BUILDABLE AREA
	EXCLUSION AREA
	PROPOSED PROJECT SUBSTATION LOCATION
	PROPOSED UTILITY SUBSTATION LOCATION
	PROPOSED BESS LOCATION
	PROPOSED LAY DOWN AREA
	EXISTING VEGETATIVE BUFFER

PROJECT DATA

PARCEL AREA	4,141 ACRES
PARCEL AREA WITHOUT EXCLUSION AREAS	3,507 ACRES
BUILDABLE AREA	2,032 ACRES

- NOTES:**
- PROJECT AREAS ARE SUBJECT TO CHANGE PENDING FUTURE DESIGN CONSTRAINTS
- OFFSETS:**
- WETLANDS - 25'
 - STREAMS - 25'
 - NON-PARTICIPATING ADJACENT OR BUSINESS - 300'
 - PARTICIPATING LANDOWNERS - 200'
 - EXISTING TRANSMISSION LINE - 25'
 - TREE SHADING - SOUTH 20'
 - TREE SHADING - NORTH, EAST AND WEST 80'
 - OPEN WATER - 25'
 - FEMA FLOOD PLAN 25'
 - ROADS - 100' FROM EDGE



Stantec
209 Commerce Parkway, P.O. Box 128
College Grove, Wisconsin 53527-8955
Tel: (608) 839-1998
www.stantec.com

Copyright Reserved
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyright to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultant

E ISSUED FOR SUB SUBMISSION	DK	CM	2023.09.05
D ISSUED FOR SUB SUBMISSION	DK	CM	2023.05.24
C ISSUED FOR REVIEW	JR	DK	2023.02.08
B ISSUED FOR REVIEW	JG	DK	2022.12.11
A ISSUED FOR REVIEW	JG	DK	2022.06.19

Revision By App'd YYYY MM DD

CONCEPTUAL LAYOUT	JG	DK	2023.05.18
	By	App'd	YYYY MM DD
File Name: 193708901_C200	JG	DK	2023.03.25
	Own.	Dgn.	Chk'd
			YYYY MM DD

Permit/Seal



Client/Project
HUMMINGBIRD ENERGY LLC

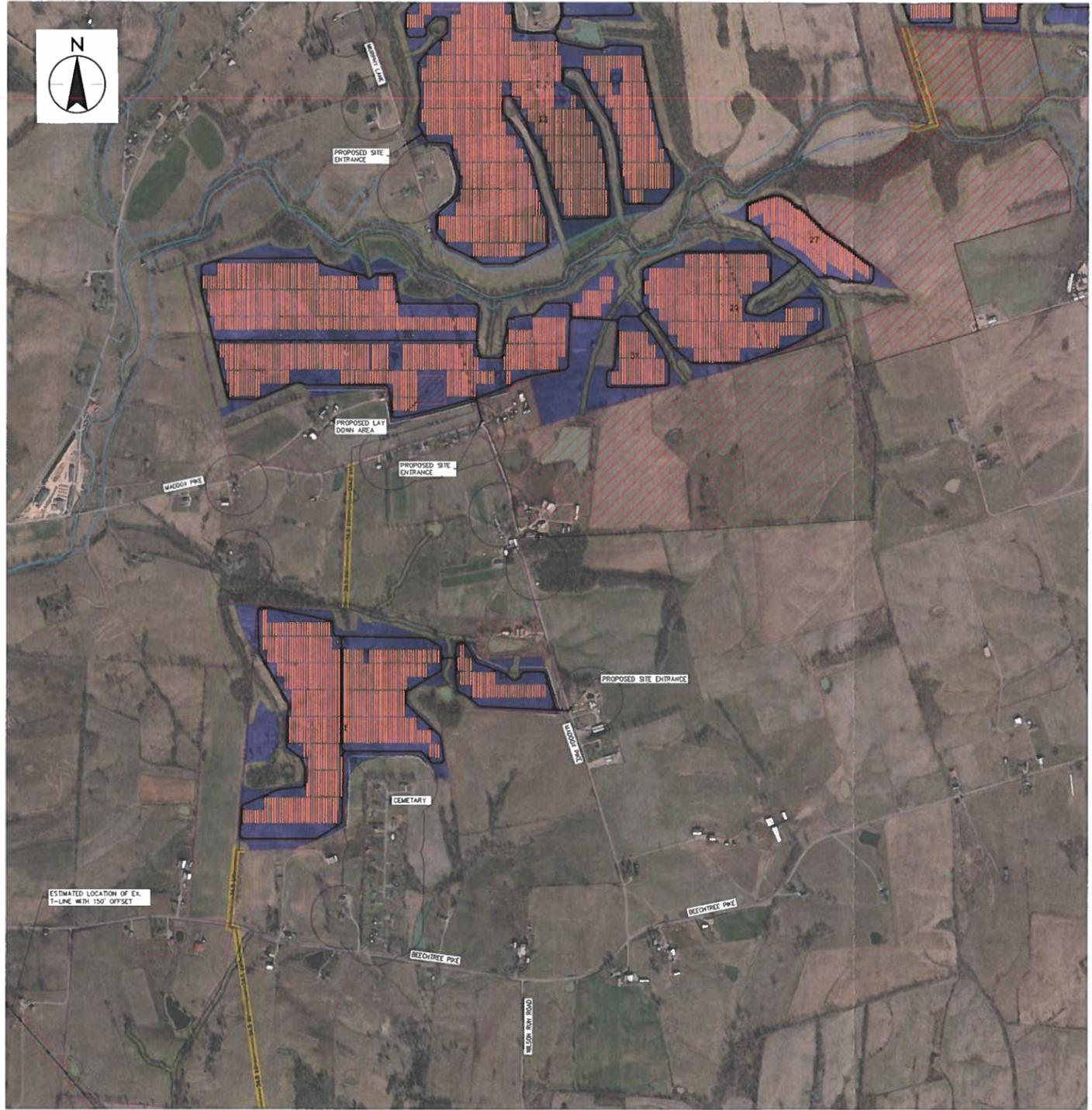
HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title
CONCEPTUAL LAYOUT SECTIONAL VIEW

Project No. 193708901	Scale NTS
Revision Sheet E 3 of 5	Drawing No. C200

© 2023 Stantec Inc. All rights reserved. This drawing is the property of Stantec Inc. and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Stantec Inc. 193708901_001



LEGEND

	PROPOSED SOLAR ARRAY
	INVERTER STATION
	BATTERY ENERGY STORAGE SYSTEM
	PROPOSED FENCELINE
	PROPERTY BOUNDARY
	PROPOSED SCREENING
	E-34 SA F-04-250W-1
	E-34 SA F-04-250W-2
	E-34 SA F-04-500W-1
	E-34 SA F-04-500W-2
	PROPOSED ACCESS ROADS
	WETLAND AND WATERWAY SETBACKS
	FEMA FLOOD ZONE - 100 YEAR FLOOD PLAN AREA
	FEMA FLOOD ZONE - 100 YEAR - WATER LINE
	E1 OVERHEAD POWER OFFSET
	E2 OVERHEAD POWER
	NONPARTICIPATING RESIDENT
	PARTICIPATING RESIDENT
	KARST AREAS
	KARST AREAS OFFSETS
	WV AND HV EASEMENT
	BUILDABLE AREA
	EXCLUSION AREA
	PROPOSED PROJECT SUBSTATION LOCATION
	PROPOSED UTILITY SUBSTATION LOCATION
	PROPOSED BESS LOCATION
	PROPOSED LAY DOWN AREA
	EXISTING VEGETATIVE BUFFER

PROJECT DATA	
PARCEL AREA	4,141 ACRES
PARCEL AREA WITHOUT EXCLUSION AREAS	3,507 ACRES
BUILDABLE AREA	2,032 ACRES

- NOTES:**
- PROJECT AREAS ARE SUBJECT TO CHANGE PENDING FUTURE DESIGN CONSTRAINTS
- OFFSETS:**
- WETLANDS - 25'
 - STREAMS - 25'
 - NON-PARTICIPATING ADJACENT OR BUSINESS - 300'
 - PARTICIPATING LANDOWNERS - 200'
 - EXISTING TRANSMISSION LINE - 25'
 - TREE SHADING - SOUTH 20'
 - TREE SHADING - NORTH, EAST AND WEST 80'
 - OPEN WATER - 25'
 - FEMA FLOOD PLAN 25'
 - ROADS - 100' FROM EDGE



Stantec
209 Commerce Parkway, P.O. Box 128
Cottage Grove, Wisconsin 53527-8955
Tel: (608) 839-1998
www.stantec.com

Copyright Reserved
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyright to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultant

Revision	By	Appd	DATE
E ISSUED FOR SUB SUBMISSION	DK	CM	2022.09.05
D ISSUED FOR SUB SUBMISSION	DK	CM	2022.05.26
C ISSUED FOR REVIEW	JR	DK	2022.02.28
B ISSUED FOR REVIEW	JD	DK	2022.07.11
A ISSUED FOR REVIEW	JD	DK	2022.05.19

CONCEPTUAL LAYOUT	By	Appd	DATE
	JG	DK	2022.05.19

Permit/Seal

Client/Project Logo



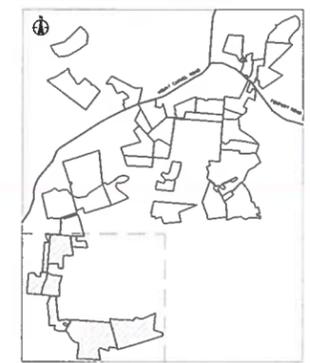
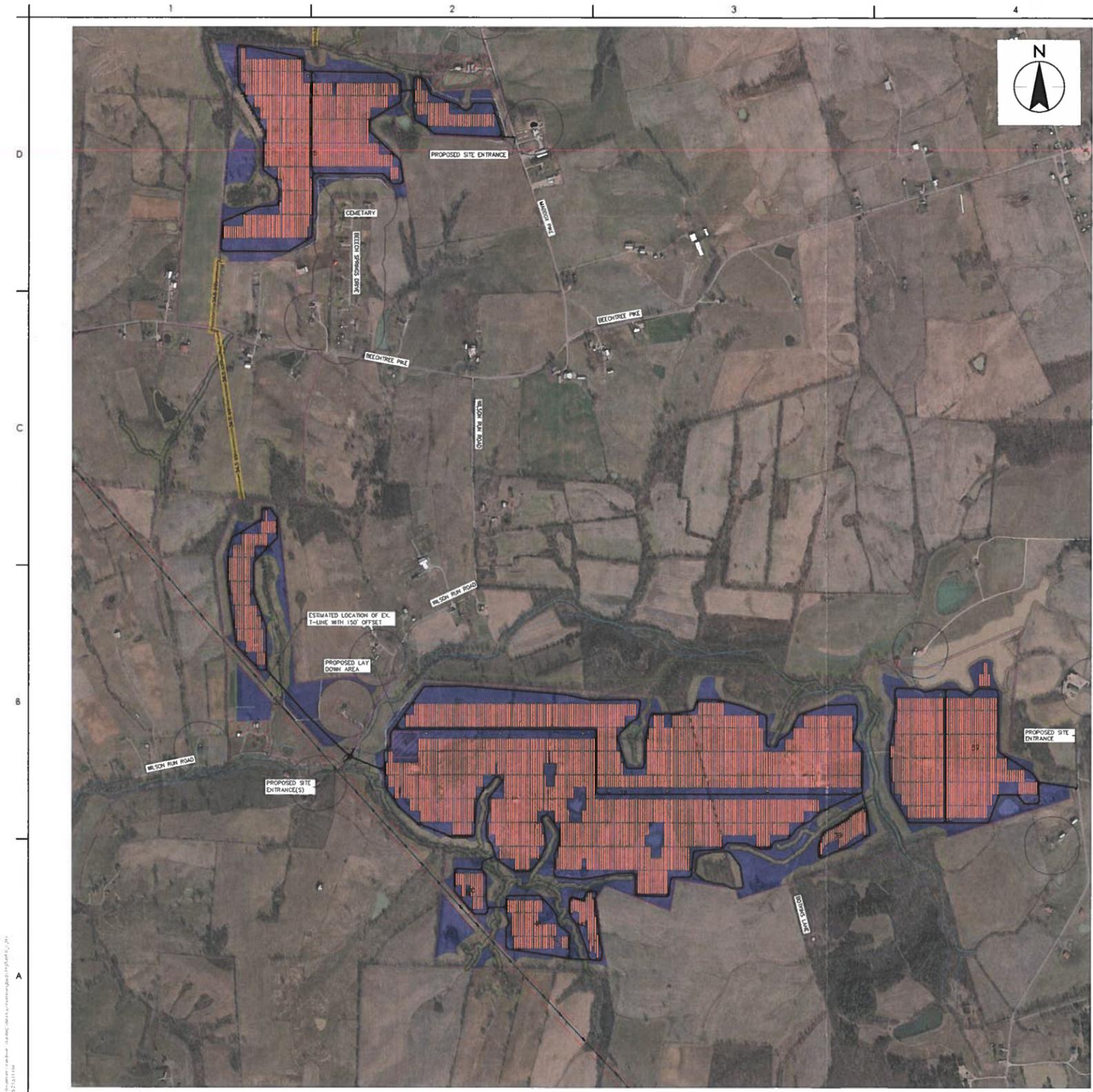
Client/Project
HUMMINGBIRD ENERGY LLC

HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title
CONCEPTUAL LAYOUT
SECTIONAL VIEW

Project No. 193708901	Scale NTS
Revision Sheet E 4 of 5	Drawing No. C200



LEGEND

	PROPOSED SOLAR ARRAY
	INVERTER STATION
	BATTERY ENERGY STORAGE SYSTEM
	PROPOSED FENCELINE
	PROPERTY BOUNDARY
	PROPOSED SCREENING
	E-34 5kV-OH-250R-1
	E-34 5kV-OH-250R-2
	E-34 5kV-OH-500R-1
	E-34 5kV-OH-500R-2
	PROPOSED ACCESS ROADS
	WETLAND AND RIPARIAN SETBACKS
	FEMA FLOOD ZONE - 100 YEAR FLOOD PLAIN AREA
	FEMA FLOOD ZONE - 100 YEAR WATER LINE
	EX. OVERHEAD POWER OFFSET
	EX. OVERHEAD POWER
	NONPARTICIPATING RESIDENT
	PARTICIPATING RESIDENT
	KARST AREAS
	KARST AREAS OFFSETS
	MV AND HV EASEMENT
	BUILDABLE AREA
	EXCLUSION AREA
	PROPOSED PROJECT SUBSTATION LOCATION
	PROPOSED UTILITY SUBSTATION LOCATION
	PROPOSED BESS LOCATION
	PROPOSED LAY DOWN AREA
	EXISTING VEGETATIVE BUFFER

PROJECT DATA	
PARCEL AREA	4,141 ACRES
PARCEL AREA WITHOUT EXCLUSION AREAS	3,507 ACRES
BUILDABLE AREA	2,032 ACRES

NOTES:
 1. PROJECT AREAS ARE SUBJECT TO CHANGE PENDING FUTURE DESIGN CONSTRAINTS

- OFFSETS:**
1. WETLANDS - 25'
 2. STREAMS - 25'
 3. NON-PARTICIPATING ADJACENT OR BUSINESS - 300'
 4. PARTICIPATING LANDOWNERS - 200'
 5. EXISTING TRANSMISSION LINE - 25'
 6. TREE SHADING - SOUTH 20'
 7. TREE SHADING - NORTH, EAST AND WEST 80'
 8. OPEN WATER - 25'
 9. FEMA FLOOD PLAN 25'
 10. ROADS - 100' FROM EDGE



Stantec
 207 Commerce Parkway, P.O. Box 128
 Cottage Grove, Wisconsin 53227-8955
 Tel: (408) 839-1998
 www.stantec.com

Copyright Reserved
 The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyright to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Consultant

Revision	By	App'd	DATE
E ISSUED FOR SUB SUBMISSION	JG	DK	2022.09.26
D ISSUED FOR SUB SUBMISSION	JG	DK	2022.05.24
C ISSUED FOR REVIEW	JG	DK	2022.02.08
B ISSUED FOR REVIEW	JG	DK	2022.01.11
A ISSUED FOR REVIEW	JG	DK	2022.05.19

CONCEPTUAL LAYOUT	JG	DK	2022.05.19
	By	App'd	DATE
193708901_C200	JG	DK	2022.03.24
	Dwnl	Dglnl	CHK'd

Permit/Seal

Client/Project Logo



Client/Project
 HUMMINGBIRD ENERGY LLC

HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title
 CONCEPTUAL LAYOUT
 SECTIONAL VIEW

Project No. 193708901	Scale NTS
Revision Sheet E of 5	Drawing No. C200

*Jon Sims
Fleming County Judge
100 Court Square
Flemingsburg, KENTUCKY 41041

*Gregory T Dutton
Frost Brown Todd, LLC
400 West Market Street
32nd Floor
Louisville, KENTUCKY 40202-3363

*John C. Price
Resident Representative
183 Joshua St.
Flemingsburg, KENTUCKY 41041

*Pierce T. Stevenson
Frost, Brown, Todd, LLC
250 West Main Street
Suite 2800
Lexington, KENTUCKY 40507