## 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 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

#### **Application for Certificate of Construction**

Hummingbird Energy LLC (the "Applicant" or "Hummingbird Solar") a wholly owned subsidiary of Recurrent Energy, LLC, files this application seeking from the Kentucky State Board on Electric Generation and Transmission Siting (the "Siting Board" or "Board") a certificate of construction for an approximately 200-megawatt (MW) merchant electric solar generating facility and nonregulated electric transmission line pursuant to KRS 287.704 and 278.714 (the "Application"). The generating facility and nonregulated transmission line for which the certificates are sought will be located in Fleming County, Kentucky.

In support of the Application, the Applicant submits herewith Exhibits A-H. To assist the Board and interested persons in locating information required by various statues and regulations, the Applicant also submits herewith the Table of Contents required by 807 KAR 5:110 3(2)(b) and attaches hereto Indexes of Regulation Requirements, listing the requirements for a generation application and nonregulated transmission lines application and the principal place(s) each

requirement is addressed in these Application materials. The facts on which the Application is based are contained in the concurrently filed exhibits, reports, and the statements further made by the Applicant as follows:

#### I. Applicant Information

1. Pursuant to KRS 278.706(2)(a) and 278.714(2)(a), the name, address, and telephone number of the person proposing to construct and own the merchant electric generating facility and nonregulated transmission line is as follows: Hummingbird Energy LLC; 98 San Jacinto Blvd, Ste. 750, Austin, TX 78701; (512) 240-9107. Communications should be directed to the attention of the Legal Department.

#### II. Description of Proposed Site

2. The proposed Hummingbird Solar Project (the "Project") is a 200 MW solar facility capable of providing enough clean, renewable electricity to power approximately 40,000 Kentucky homes. Photovoltaic (PV) solar modules are used to convert sunlight into direct current (DC) electricity which is then converted to alternating current (AC) electricity through inverters. Transformers step up AC electricity to a higher voltage so that it can connect to the regional transmission grid.

3. Pursuant to KRS 278.706(2)(b), the Project is located on approximately 2,352 acres near Mt. Carmel, Kentucky, in Fleming County (Exhibit A). The Project footprint, generally the area within the fence line where the Project infrastructure will be located, includes approximately 2,106 acres within the larger Project site after site constraints and proposed setbacks. The site consists of 38 parcels secured from 35 landowners pursuant to real estate agreements with each landowner. The Project parcels have generally experienced row crop agriculture, pastureland, and residential use. Evidence of harvested hay and row crop agriculture were observed within the Project area. Vegetation is sparse aside from forested riparian areas generally associated with the ephemeral and intermittent streams and tributaries that cross through the Project and forested upland areas. Topography is gently sloping upland with well-draining, non-hydric soils and geology is primarily comprised of limestone and shale.

4. Pursuant to KRS 278.714(2)(b), the Project includes a single transmission line. The transmission line will start at approximate coordinates 38°28'12.45"N -83°38'20.4504"W and run northwest to southeast approximately 500 feet to the existing transmission line at approximate coordinates 38°28'12.9864"N -83°38'18.582"W. The proposed voltage of the electric transmission line is 138 kV and maintained within a proposed 50 foot right of way. The proposed right of way will be within a single parcel, APN 069-00-00-043.00, owned by Eric and Aileen Carpenter. The transmission line will be approximately 1,300 feet from the nearest participating residential structure and approximately 738 feet from the nearest nonparticipating residential structure. No schools or private parks exist within two miles of the proposed facility as shown in Exhibit A. The proposed transmission line will not be located within 2,000 feet of a residential neighborhood, school, nursing home, or park. Pursuant to KRS 278.714(2)(d), the transmission line and appurtenances will be constructed and maintained in accordance with accepted engineering practices and the National Electrical Safety Code.

5. Approximately 11,601.79 linear feet of private access roads will be utilized within the facility and will be constructed of all-weather gravel. The majority of these roads are existing. Roads will not exceed 16 feet (4.9 meters) in width, except for turning radii, which will not exceed 50 feet (15.2 meters) in radius. All entrances and driveways will comply with applicable design requirements for safe access and egress. The Project solar arrays will be secured with approximately 402,362 linear feet of perimeter fence, which will consist of six-foot chain link

fence. Fixed lighting at the perimeter will be limited to gates and the substation area and will be motion-activated to minimize light spillage. The Project will utilize construction methods that minimize large-scale grading and removal of native soil. Clearing and grubbing will occur where necessary. Minimal grading may be required to level rough or undulating areas of the site and to prepare soils for concrete foundations for substation equipment and inverters. Access roads will also be grubbed, graded, and compacted. The site cut and fill will be appropriately balanced, with no anticipation of import/export necessary.

6. Project components will include a PV solar field consisting of PV solar panel modules mounted on metal structures and anchored to the ground with pilings. Panels will move to track the sun over the course of the day. Other components of the PV system include: an onsite substation, a DC collection system of underground cabling and combiner boxes, and power conversion stations with inverters, transformers, and emergency backup power to convert DC to AC. An underground and/or overhead collection system will be used to convey electricity from the solar array field to the substation. The Project will include an onsite transmission line, fiber optic cable for communications underground or on overhead lines, a meteorological station mounted on a concrete foundation, interior access ways, and a facility perimeter road. In addition, the Project will include, as necessary: an operation and maintenance ("O&M") building, parking area, and other associated facilities such as above-ground water storage tanks, security gate, signage, and flagpoles. During construction, the Project will include a temporary construction mobilization and laydown area for construction trailers, construction workforce parking, aboveground water and fuel tanks, materials receiving and materials storage.

7. The PV solar modules will be supported by steel piles driven into the soil. Piles are spaced approximately 10 to 20 feet apart, and the maximum height of the PV modules will be 15 feet.

4

Modules will be oriented in rows running from north to south utilizing a single-axis tracking system. The modules will be connected using DC cables that can either be buried in a trench or attached to the racking system. The DC cables gather at the end of racking systems to combiner boxes which are connected to cables routing to an inverter. The racking system will be supported by approximately 66,072 steel posts installed with a combination of pile-driving machines and augers. The center height of the racking structures will be approximately 4 feet (1.2 meters) to 6.8 feet (2.1 meters) above the ground. The spacing between array rows is estimated to be approximately 8 to 15 feet.

8. Approximately 53 inverters will be installed throughout the Project to convert the DC power from the 1,500 volt DC collection system to AC power, which will then be transmitted to a Project substation via the 34.5-kilovolt (kV) AC collection system. The AC collection system will include underground and/or overhead segments. Underground segments of the AC collection system will be buried a minimum of 3 feet (0.9 meters) below grade; and overhead portions will not exceed a maximum height of 45 feet (13.7 meters) above grade. The AC collection system will be comprised of medium voltage (MV) cable that will transfer electricity to the Project substation. Approximately 4,600,000 linear feet of DC collection system cables and 274,000 linear feet of AC collection cables would be installed throughout the Project. Collection cables are congregated into common trenches and run adjacent to one another. All electrical inverters and the transformer will be placed on concrete foundations or steel skids.

9. The Project will require one substation that will include one 230-mega volt ampere (MVA) transformer equipment, control building foundation, an oil containment area, and battery storage component with storage capacity of up to 200MW. Concrete pads will be constructed as foundations for substation equipment, and the remaining area will be graveled. Concrete for

foundations will be brought on-site from an external batching plant. The substation area will serve as the general parking area for permanent employees and contain all necessary equipment to step up incoming MV electricity to the high voltage electricity necessary to interconnect into the existing Goddard to Plumville 138kv line owned and operated by East Kentucky Power Cooperative (EKPC) transmission system. The proposed gen-tie line will be no more than 500 feet in length, will be located entirely within the Project footprint, and will be constructed by the Applicant. EKPC will be responsible for any additional transmission equipment located within the switchyard for the Project. It is anticipated that the gen-tie poles and substation components will not exceed 85 feet (25.9 meters) above grade.

#### **III.** Public Notice Evidence

10. Pursuant to KRS 278.706(2)(c), notice was provided to landowners whose property borders the proposed site. A copy of the list of addresses and names of those landowners who were provided notices on May 6, 2022, is contained in Exhibit B. The notice was mailed to each landowner via FedEx, except for two letters sent by U.S. Certified Mail; see Exhibit B for the adjacent landowner form letter and certified mail receipts. A community meeting was hosted at the Mt. Carmel Fire Department on May 24, 2022, to discuss the Project with community members; presentation materials and attendance sheet are enclosed in Exhibit B. Notice of the public meeting was published in the <u>Flemingsburg Gazette</u> on May 11 and 18, 2022, and is contained in Exhibit B.

11. Additional notices were transmitted in the same manner to the same landowners via FedEx and U.S. certified mail on August 17, 2022, to provide notice of the pending application. A copy of the adjacent landowner form letter and a list of addresses and names of those landowners who were provided notice are contained in Exhibit B. Notice of the pending application was published

in the <u>Flemingsburg Gazette</u> on August 24 and August 31, 2022. Scanned copies of the notice of application that were published in the Flemingsburg Gazette are contained in Exhibit B.

#### **IV.** Compliance with Local Ordinance and Regulations

12. Pursuant to KRS 278.706(2)(d), the Project is in Fleming County, which has not enacted any zoning ordinances or setback requirements pertaining to the location of the Project. There is no planning and zoning commission with jurisdiction over the location of the Project and, therefore, no setback requirements set by such a planning commission exist. The Applicant certifies that the Project will comply with all local ordinances and regulations concerning noise control and with any applicable local planning and zoning ordinances. A statement certifying these facts is enclosed as Exhibit C.

### V. Setback Requirements

13. Pursuant to KRS 278.706(2)(e), the Project is not located on the site of a former coal processing plant, will not use any onsite waste coal as a fuel source, and will not include any exhaust stacks or wind turbines as part of the facility. The Project site does not have any existing electricity generating facilities. Fleming County has not established setback requirements for this location, per the information provided above in Section IV.

14. The Project will not be required to follow setback requirements set forth in KRS 278.704(3), as no local zoning is present.

15. There are five residential neighborhoods (as defined by KRS 278.700(6)) within two thousand (2,000) feet of the Project's facilities. Pursuant to KRS 278.704(4), a motion to deviate from the Board's setback requirement is forthcoming.

### VI. Public Notice Report

16. Pursuant to KRS 278.706(2)(f), the Applicant has made a substantial effort to engage the

public in numerous ways regarding the Project. The Applicant created a Project website and to publish information about the Project, answer common questions, and to provide an email and telephone number for feedback. In all communications, Hummingbird Solar has endeavored to be transparent regarding the specifics of the proposed Project.

17. As part of the Applicant's proactive preapplication process, an open house meeting on the Project was held on March 15, 2022, at the Mt. Carmel Fire Department, and the publicly noticed community meeting for the Project was held on May 24, 2022, at the Mt. Carmel Fire Department. The open house invitation flyer and attendance sheet are enclosed as Exhibit B. On May 6, 2022, packets containing information about the Project were mailed to adjacent property owners (Exhibit B). On May 11 and 18, 2022, the Applicant published a public notice in the <u>Flemingsburg Gazette</u> newspaper (Exhibit B). In addition, the Applicant published a Project website (https://recurrentenergy.com/project/hummingbird/) so the general community was made aware of the Project and gained access to Project details and contact information.

18. During the public meeting, attendees were shown enlarged satellite images showing the exact location of the proposed solar array and the proposed Project layout. Information boards with technical experts were also available for viewing and discussion on other topics including environmental health and safety of PV, landscape and screening plans, and the impact of solar projects on property values and community economics. Presentation materials are enclosed as Exhibit B. Experts who were present at the public meeting and available to answer questions from attendees included:

- Jayce Walker, Development Manager for Hummingbird Energy, Recurrent Energy
- Kate Garcia, Permitting, Hummingbird Energy, Recurrent Energy
- Adam Peterson, Permitting, Hummingbird Energy, Recurrent Energy
- Karol Kamasinski, Engineering, Hummingbird Energy, Recurrent Energy
- Gregory Haynes, Origination & Structuring, Hummingbird Energy, Recurrent Energy

- Yuvraj Kshirsagar, Development, Hummingbird Energy, Recurrent Energy
- Chad Martin, Senior Principal- Environmental Permitting and Planning, Cardno now Stantec
- Sam Waltman, Senior Scientist Environmental Permitting and Planning, Cardno now Stantec
- Kelley Pope, Geenex Solar
- Aron Caudill, Geenex Solar
- Justin Poland, Land and Liberty Coalition
- Jackson Keith, Land and Liberty Coalition
- Nathan Cryder, Edelen Renewables
- Kris Fields, Community Engagement and Education Manager, Center for Energy Education

19. Table 1 below provides a brief description of other public involvement activities, in addition to the public meeting and various outreach activities/meetings with local stakeholders, undertaken prior to the submission of this Application. Hummingbird Solar will continue these efforts and will participate in any public notice, comment, and hearings which may be initiated as part of ongoing permitting activities.

Table 1	1. Public	Involvement	Activities
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DATE	ORGANIZATION	ACTIVITY/INVOLVEMENT
5/4/2021 and 8/24/2021	Larry H. Foxworthy, Judge Executive Fleming County	Hummingbird Energy representatives met with Judge Foxworthy on two occasions to discuss the proposed project, specifically the applicability to a potential Industrial Revenue Bond
	members of the Fleming	Hummingbird Energy representatives met with Ms. Ruark and the Fleming Chamber of Commerce to discuss solar development and answer questions.
	0 0	Hummingbird Energy representatives volunteered at the commission's annual Holiday Hoopla event.
3/15/2022	Public	Open house community meeting on utility-scale solar and the Hummingbird Energy project with industry experts.
4/23/2022	Cruising for Kids	Hummingbird Energy representatives sponsored and attended the Cruising for Kids event at Fleming County High School to raise awareness for child abuse and neglect.
5/5/2022	IF OLIC MILON	Hummingbird Energy representatives attended and helped answer questions at the Center's Solar 101 event held in Flemingsburg.

5/11/2022		Public Notice of Hummingbird Energy's Public Information Meeting.
5/18/2022		Public Notice of Hummingbird Energy's Public Information Meeting.
5/24/2022	PUblic	Hummingbird Energy's Public Information Meeting conducted.
8/24/2022	Public, Newspaper Advertisement	Public Notice of Application Filing.
8/31/2022	Public, Newspaper Advertisement	Public Notice of Application Filing.

## VII. Efforts to Locate Near Existing Electric Generation

20. No existing electric generating facilities are (or have been) located on the proposed site for the solar generating facility. Consistent with KRS 278.706(2)(g), Hummingbird Solar made efforts to locate the Project on adjoining, or in proximity to the location of existing electric generating facilities. For solar projects like Hummingbird Solar, key factors for site selection are favorable geography, willing landowner participation, and access to transmission lines. The land needed to site Hummingbird Solar was not available on or adjoining to an existing electric generation facility. However, Hummingbird Solar selected a location in proximity to an existing transmission line. The Project's point of interconnection at the proposed Substation, located within the project boundary, allows the Project to interconnect at the preferred voltage of 138kV and utilize an existing transmission line owned and operated by the EKPC. Information on EKPC's studies of the interconnection cost and infrastructure are included in the Feasibility Study and System Impact Study, enclosed as Exhibit D.

### VIII. Proof of Service to County and Municipality Officials

21. Pursuant to KRS 278.706(2)(h), a copy of the Siting Board application for Hummingbird Energy LLC was hand delivered, and electronically transmitted, to the Judge-Executive of Fleming County, Larry H. Foxworthy on the date of electronic filing of this application (September 30,

2022). Proof of service is enclosed as Exhibit E.

### IX. Effect on Kentucky Electricity Generation System

22. Pursuant to KRS 278.706(2)(i), An analysis of the proposed solar generating facility's projected effect on the electricity transmission system is provided in Exhibit D.

### X. Effect on Local and Regional Economies

23. Pursuant to KRS 278.706(2)(j), an Economic Impact Study was completed for the Project by Mangum Economics, LLC included in Exhibit F. As the report demonstrates, utility-scale solar energy projects have numerous economic benefits. Solar installations create job opportunities in the local area during both the short-term construction phase and the long-term operational phase. In addition to the workers directly involved in the construction and maintenance of the solar energy project, numerous other jobs are supported through indirect supply chain purchases and the higher spending that is induced by these workers. Solar projects strengthen the local tax base and help improve county services and local infrastructure such as public roads.

24. Construction would provide a one-time pulse of economic output of \$30.2 million to Fleming County and \$136.8 million to the Commonwealth of Kentucky. Ongoing operations are predicted to provide an annual economic output of \$915,034 to Fleming County and \$1.1 million to the Commonwealth of Kentucky. In 2020, construction made up nearly 10 percent of Fleming County's employment by industry. During the construction period, the Project is estimated to employ up to 268 construction workers and support positions generating \$8.3 million in labor income. The employment of local labor is estimated to reach up to 184 jobs during this construction period. Operational support will require four direct jobs and four indirect and induced jobs with an associated labor income of \$234,800, and a total economic output of \$915,000.

25. The Applicant retained Kirkland Appraisals, LLC to prepare a Property Value Impact

Study to assess potential effects of the Project on nearby property values, and it is enclosed as Exhibit G. The matched pair analysis shows no impact on home values due to abutting or adjoining a solar farm as well as no impact to abutting or adjacent vacant residential or agricultural land where the solar farm is properly screened and buffered. The adjoining properties have sufficient setbacks from the proposed solar panels and supplemental vegetation is proposed to enhance the areas where the existing trees are insufficient to provide proper screening.

#### XI. Record of Environmental Violations

26. Pursuant to KRS 278.706(2)(k), neither the Applicant, nor any entity with ownership interest in the Project, has violated any state or federal environmental laws or regulations. There are no pending actions, judicial or administrative, against the Applicant nor any entity with ownership interest in the Project.

## XII. Site Assessment Report

27. Pursuant to KRS 278.706(2)(l), the site assessment report is being contemporaneously filed herewith; please see the separate document titled "Hummingbird Energy LLC, Kentucky State Board on Electric Generation and Transmission Application, Site Assessment Report, Case No. 2022-00272", and enclosed as Exhibit H.

Dated this 30th day of September 2022.

Respectfully submitted,

Gregory T. Dutton **FROST BROWN TODD LLC** 400 W. Market Street, 32<sup>nd</sup> Floor Louisville, KY 40202 (502) 589-5400 (502) 581-1087 (fax) *Counsel for Hummingbird Energy LLC* 

## Statutory/Regulation Requirements General ESB Certificate

KRS 278.	Description	Filing
278.706(2)(a)	The name, address, and telephone number of the person proposing to construct and own the merchant generating facility	Application ¶ 1
(2)(b)	A full description of the proposed site, including a map showing the distance of the proposed site from residential neighborhoods, the nearest residential structures, schools, and public and private parks that are located within a two (2) mile radius of the proposed facility	Application ¶¶ 2-9, Exh A
(2)(c)	<ul> <li>Evidence of public notice that shall include the location of the proposed site and a general description of the project, state that the proposed line is subject to approval by the board and provide the telephone number and address of the Public Service Commission. Public notice shall be given within thirty (30) days immediately preceding the application filing to: <ol> <li>Landowners whose property borders the proposed site; and</li> <li>The general public in a newspaper of general circulation in the county or municipality in which the facility is proposed to be located</li> </ol> </li> </ul>	
(2)(d)	A statement certifying that the proposed plant will be in compliance with all local ordinances and regulations concerning noise control and with any local planning and zoning ordinances. The statement shall also disclose set back requirements established by the planning and zoning Commission as provided under KRS 278.704(3)	Application ¶ 12, Exh C
	If the facility is not proposed to be located on a site in an area where a planning and zoning commission has established a setback requirement pursuant to KRS 278.704(3), a statement that all proposed structures or facilities used for generation of electricity are two thousand (2,000) feet from any residential neighborhood, school, hospital, or nursing home facility	
	If the facility is proposed to be located on a site of a former coal processing plant and the facility will use on-site waste coal as a fuel source, a statement that the proposed site is compatible with the setback requirements provided under KRS 278.704(5)	N/A

<u>(2)(e) [3rd]</u>	If the facility is proposed to be located in a jurisdiction that has established setback requirements pursuant to KRS 278.704(3), a statement that the proposed site is in compliance with those established setback requirements	Application ¶¶ 13-15
<u>(2)(f)(1)</u>	A complete report of the applicant's public involvement program activities undertaken prior to the filing of the application, including: The scheduling and conducting of a public meeting in the county or counties in which the proposed facility will be constructed at least ninety (90) days prior to the filing of an application, for the purpose of informing the public of the project being considered and receiving comment on it	Application ¶¶ 16-19, Exh B
<u>(2)</u>	Evidence that notice of the time, subject, and location of the meeting was published in the newspaper of general circulation in the county, and that individual notice was mailed to all owners of property adjoining the proposed project at least two (2) weeks prior to the meeting	Application ¶¶ 16-19, Exh B
<u>(3)</u>	Any use of media coverage, direct mailing, fliers, newsletters, additional public meetings, establishment of a community advisory group, and any other efforts to obtain local involvement in the siting process	Application ¶¶ 16-19, Exh B
<u>(2)(g)</u>	A summary of the efforts made by the applicant to locate the proposed facility on a site where existing electric generating facilities are located	Application ¶ 20, Exh D
<u>(h)</u>	Proof of service of a copy of the application upon the chief executive officer of each county and municipal corporation in which the proposed line is to be located, and upon the chief officer of each public agency charged with the duty of planning land use in the general area in which the line is proposed to be located.	Application ¶ 21, Exh E
<u>(i)</u>	An analysis of the proposed facility's projected effect on the electricity transmission system in Kentucky	Application ¶ 22 Exh D
<u>(2)(j)</u>	An analysis of the proposed facility's economic impact on the affected region and the state	Application ¶¶ 23-25, Exh F, Exh G

(k)	A detailed listing of all violations by it, or any person with an ownership interest, of federal or state environmental laws, rules, or administrative regulations, whether judicial or administrative, where violations have resulted in criminal convictions or civil or administrative fines exceeding five thousand dollars (\$5,000). The status of any pending action, whether judicial or administrative, shall also be submitted	Application ¶ 26
(i)	A site assessment report as specified in KRS 278.708	Application ¶ 27, Exh H
278.704(2)	Except as provided [by locally-established setback requirements or through a deviation granted pursuant to KRS 278.704(4)] all proposed structures or facilities used for generation of electricity are two thousand (2,000) feet from any residential neighborhood, school, hospital, or nursing home facility.	Application ¶¶ 13-15
.704(3)	If the merchant electric generating facility is proposed to be located in a county or a municipality with planning and zoning, then setback requirements from a property boundary, residential neighborhood, school, hospital, or nursing home facility may be established by the planning and zoning commission	N/A
278.708(1)	A site assessment report as required under KRS 278.706(2)(1)	Application ¶ 27, Exh H
(2)	A site assessment report prepared by the applicant or its designee	Application ¶ 27, Exh H
	<ul> <li>A description of the proposed facility that shall include a proposed site development plan that describes:</li> <li>1. Surrounding land uses for residential, commercial, agricultural, and recreational purposes;</li> <li>2. The legal boundaries of the proposed site;</li> <li>3. Proposed access control to the site;</li> <li>4. The location of facility buildings, transmission lines, and other structures;</li> <li>5. Location and use of access ways, internal roads, and railways;</li> <li>6. Existing or proposed utilities to service the facility;</li> <li>7. Compliance with applicable setback requirements as provided under KRS 278.704(2), (3), (4), or (5); and</li> </ul>	SAR ¶¶ 1-15, SAR Exh A, SAR Exh C, SAR Exh D

	8. Evaluation of the noise levels expected to be produced by the facility	
(3)(b)	An evaluation of the compatibility of the facility with scenic surroundings;	SAR ¶¶ 16-17, SAR Exh B, SAR Exh G
(c)	The potential changes in property values and land use resulting from the siting, construction, and operation of the proposed facility for property owners adjacent to the facility	SAR ¶ 18, SAR Exh B
(d)	Evaluation of anticipated peak and average noise levels associated with the facility's construction and operation at the property boundary; and	SAR ¶¶ 19-30, SAR Exh D
(e)	The impact of the facility's operation on road and rail traffic to and within the facility, including anticipated levels of fugitive dust created by the traffic and any anticipated degradation of roads and lands in the vicinity of the facility	SAR ¶¶ 31-33, SAR Exh E
708.(4)	The site assessment report shall also suggest any mitigating measures to be implemented by the applicant to minimize or avoid adverse effects identified in the site assessment report	SAR ¶¶ 34-46

## Exhibit A



ORIGINAL SHEET - ANSI D

 $\mathbf{\Phi}$ legend

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PROJECT DATA				
PARCEL AREA	3905.41 ACRES			
PARCEL AREA WITHOUT EXCLUSION AREAS	3400.91 ACRES			
BUILDABLE AREA	2352.94 ACRES			
PROJECT FENCED AREA	2106.05 ACRES			
FENCE PERIMETER LENGTH (LINEAR FEET)	402362.09			
SYSTEM SIZE - DC	285 MWp			
SYSTEM SIZE - AC	200 MWac at POI			
DC/AC RATIO	1.4			
DC SYSTEM VOLTAGE	1500 V			
MODULE MODEL	BiHiKu 7			
MODULE RATING	495 W			
MODULE QUANTITY	523436			
MODULE NUMBER OF STRINGS	16617			
INVERTER MODULE	FS4200M			
INVERTER RATING	4.2			
INVERTER QUANTITY	53			
RACKING SYSTEM	SAP 1P NEXTRACKER			
РІТСН	23.x FT			
GCR	31%			

# NOTES:

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

## OFFSETS:

1.	WETLANDS – 25'
2.	STREAMS – 25'
3.	NON-PARTICIPATING ADJACE
4.	PARTICIPATING LANDOWNERS
5.	EXISTING TRANSMISSION LINE
6.	TREE SHADING - SOUTH 20
7.	TREE SHADING - NORTH, EA
8.	OPEN WATER – 25'
9.	
10.	ROADS – 100' FROM EDGE



5

PROPOSED SOLAR ARRAY

INVERTER STATION
BATTERY ENERGY STORAGE SYSTEM
PROPOSED FENCELINE
PROPERTY BOUNDARY
E-34.5kV-0H-25MW-1x
E-34.5kV-0H-25MW-2x
E-34.5kV-0H-50MW-1x
E-34.5kV-0H-50MW-2x
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
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

IACENT OR BUSINESS – 300' IERS – 200' LINE – 25' , EAST AND WEST 80'



## Stantec

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

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Consultant

A ISSUED FOR REVIEW	ZG	DK	2022.05.19
Revision	Ву	Appd	YYYY.MM.DD

CONCEPTUAL LAYOUT		ZG By	DK Appd	2022.05.19 YYYY.MM.DD
File Name: 193708901_E200	ZG	ZG	DK	2022.03.25
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo



Client/Project HUMMINGBIRD SOLAR PROJECT, LLC

HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title

CONCEPTUAL LAYOUT **OVERALL SITE** 

Project No. 193708901 Revision Sheet 1 of 6 А





## NOTES:

PITCH GCR

INVERTER QUANTITY

RACKING SYSTEM

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

## OFFSETS:

1.	WETLANDS - 25'
2.	STREAMS – 25'
3.	NON-PARTICIPATING ADJACE
4.	PARTICIPATING LANDOWNERS
5.	EXISTING TRANSMISSION LINI
6.	TREE SHADING - SOUTH 20
7.	TREE SHADING - NORTH, E.
8.	OPEN WATER – 25'
9.	FEMA FLOOD PLAN 25'
10.	ROADS - 100' FROM EDGE



5

PROPOSED SOLAR ARRAY

INVERTER STATION
BATTERY ENERGY STORAGE SYSTEM
PROPOSED FENCELINE
PROPERTY BOUNDARY
E-34.5kV-0H-25MW-1x
E-34.5kV-0H-25MW-2x
E-34.5kV-OH-50MW-1x
E-34.5kV-OH-50MW-2x
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
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

CI DAIA	
	3905.41 ACRES
SION AREAS	3400.91 ACRES
	2352.94 ACRES
	2106.05 ACRES
IEAR FEET)	402362.09
	285 MWp
	200 MWac at POI
	1.4
	1500 V
	BiHiKu 7
	495 W
	523436
1	16617
	FS4200M
	4.2
	53
	SAP 1P NEXTRACKER
	23.x FT
	31%

ACENT OR BUSINESS - 300' ERS – 200' LINE – 25' EAST AND WEST 80'



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A ISSUED FOR REVIEW	ZG	DK	2022.05.19
Revision	Ву	Appd	YYYY.MM.DD

CONCEPTUAL LAYOUT		ZG By	DK Appd	2022.05.19 YYYY.MM.DD
File Name: 193708901_E200	ZG	ZG	DK	2022.03.25
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo



Client/Project HUMMINGBIRD SOLAR PROJECT, LLC

HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title

CONCEPTUAL LAYOUT SECTIONAL VIEW

Project No. 193708901 Revision Sheet 2 of 6 А





PROJECT DATA				
PARCEL AREA	3905.41 ACRES			
PARCEL AREA WITHOUT EXCLUSION AREAS	3400.91 ACRES			
BUILDABLE AREA	2352.94 ACRES			
PROJECT FENCED AREA	2106.05 ACRES			
FENCE PERIMETER LENGTH (LINEAR FEET)	402362.09			
SYSTEM SIZE - DC	285 MWp			
SYSTEM SIZE - AC	200 MWac at POI			
DC/AC RATIO	1.4			
DC SYSTEM VOLTAGE	1500 V			
MODULE MODEL	BiHiKu 7			
MODULE RATING	495 W			
MODULE QUANTITY	523436			
MODULE NUMBER OF STRINGS	16617			
INVERTER MODULE	FS4200M			
NVERTER RATING	4.2			
INVERTER QUANTITY	53			
RACKING SYSTEM	SAP 1P NEXTRACKER			
РІТСН	23.x FT			
GCR	31%			
NOTES:				
1. PROJECT AREAS ARE SUBJECT TO CHANGE				

## PENDING FUTURE DESIGN CONSTRAINTS OFESETS

	I JE IJ.
1.	WETLANDS – 25'
2.	STREAMS – 25'
3.	NON-PARTICIPATING ADJAC
4.	PARTICIPATING LANDOWNERS
5.	EXISTING TRANSMISSION LIN
6.	TREE SHADING - SOUTH 20
7.	TREE SHADING - NORTH, E
8.	OPEN WATER – 25'
9.	FEMA FLOOD PLAN 25'
10.	ROADS - 100' FROM EDGE



5

PROPOSED SOLAR ARRAY

INVERTER STATION
BATTERY ENERGY STORAGE SYSTEM
PROPOSED FENCELINE
PROPERTY BOUNDARY
E-34.5kV-0H-25MW-1x
E-34.5kV-OH-25MW-2x
E-34.5kV-OH-50MW-1x
E-34.5kV-OH-50MW-2x
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
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

PROJECT DATA

ACENT OR BUSINESS – 300' ERS – 200' LINE – 25' ∩' EAST AND WEST 80'



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			. <u></u>
2022.ISSUED FOR REVIEW	ZG	DK	2022.05.19
Revision	Ву	Appd	YYYY.MM.DD

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	ZG	ZG	DK	2022.03.25
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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Client/Project HUMMINGBIRD SOLAR PROJECT, LLC

HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title

CONCEPTUAL LAYOUT SECTIONAL VIEW

Project No. 193708901 Revision Sheet 3 of 6 А



ORIGINAL SHEET - ANSI D



PROJECT DATA	
PARCEL AREA	3905.41 ACRES
PARCEL AREA WITHOUT EXCLUSION AREAS	3400.91 ACRES
BUILDABLE AREA	2352.94 ACRES
PROJECT FENCED AREA	2106.05 ACRES
FENCE PERIMETER LENGTH (LINEAR FEET)	402362.09
SYSTEM SIZE - DC	285 MWp
SYSTEM SIZE - AC	200 MWac at POI
DC/AC RATIO	1.4
DC SYSTEM VOLTAGE	1500 V
MODULE MODEL	BiHiKu 7
MODULE RATING	495 W
MODULE QUANTITY	523436
MODULE NUMBER OF STRINGS	16617
INVERTER MODULE	FS4200M
INVERTER RATING	4.2
INVERTER QUANTITY	53
RACKING SYSTEM	SAP 1P NEXTRACKER
РІТСН	23.x FT
GCR	31%

# NOTES:

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

## OFFSETS:

1.	WETLANDS – 25'
2.	STREAMS – 25'
3.	NON-PARTICIPATING ADJACE
4.	PARTICIPATING LANDOWNERS
5.	EXISTING TRANSMISSION LINE
6.	TREE SHADING - SOUTH 20
7.	TREE SHADING - NORTH, EA
8.	OPEN WATER – 25'
9.	FEMA FLOOD PLAN 25'
10.	ROADS – 100' FROM EDGE



5

PROPOSED SOLAR ARRAY

INVERTER STATION
BATTERY ENERGY STORAGE SYSTEM
PROPOSED FENCELINE
PROPERTY BOUNDARY
E-34.5kV-0H-25MW-1x
E-34.5kV-OH-25MW-2x
E-34.5kV-OH-50MW-1x
E-34.5kV-OH-50MW-2x
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
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

PROJECT DATA

ACENT OR BUSINESS – 300' ERS – 200' LINE – 25' EAST AND WEST 80'



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	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title

CONCEPTUAL LAYOUT SECTIONAL VIEW

Project No. 193708901 Revision Sheet 4 of 6 А



ORIGINAL SHEET - ANSI D



PROJECT DATA	
PARCEL AREA	3905.41 ACRES
PARCEL AREA WITHOUT EXCLUSION AREAS	3400.91 ACRES
BUILDABLE AREA	2352.94 ACRES
PROJECT FENCED AREA	2106.05 ACRES
FENCE PERIMETER LENGTH (LINEAR FEET)	402362.09
SYSTEM SIZE - DC	285 MWp
SYSTEM SIZE - AC	200 MWac at POI
DC/AC RATIO	1.4
DC SYSTEM VOLTAGE	1500 V
MODULE MODEL	BiHiKu 7
MODULE RATING	495 W
MODULE QUANTITY	523436
MODULE NUMBER OF STRINGS	16617
INVERTER MODULE	FS4200M
INVERTER RATING	4.2
INVERTER QUANTITY	53
RACKING SYSTEM	SAP 1P NEXTRACKER
РІТСН	23.x FT
GCR	31%
NOTES	

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

OF	FSETS:
1.	WETLANDS - 25'
2.	STREAMS – 25'
3.	NON-PARTICIPATING ADJACE
4.	PARTICIPATING LANDOWNERS
5.	EXISTING TRANSMISSION LINE
6.	TREE SHADING - SOUTH 20
7.	TREE SHADING - NORTH, EA
8.	OPEN WATER – 25'
•••	FEMA FLOOD PLAN 25'
10.	ROADS – 100' FROM EDGE

5

INVERTER STATION
BATTERY ENERGY STORAGE SYSTEM
PROPOSED FENCELINE
PROPERTY BOUNDARY
E-34.5kV-0H-25MW-1x
E-34.5kV-0H-25MW-2x
E-34.5kV-OH-50MW-1x
E-34.5kV-OH-50MW-2x
PROPOSED ACCESS ROADS
WETLAND AND WATERWAY SETBACKS
FEMA FLOOD ZONE - 100 YEAR FLOOD PLAN AREA
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EX. OVERHEAD POWER OFFSET
EX. OVERHEAD POWER
NONPARTICIPATING RESIDENT
PARTICIPATING RESIDENT
KARST AREAS
KARST AREAS OFFSETS
MV AND HV EASEMENT
BUILDABLE AREA

PROPOSED PROJECT SUBSTATION LOCATION

PROPOSED UTILITY SUBSTATION LOCATION

ACENT OR BUSINESS – 300' ERS – 200' LINE – 25' EAST AND WEST 80'



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HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title

CONCEPTUAL LAYOUT SECTIONAL VIEW

Project No. 193708901 Revision Sheet 5 of 6 Α





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PROJECT DATA	
PARCEL AREA	3905.41 ACRES
PARCEL AREA WITHOUT EXCLUSION AREAS	3400.91 ACRES
BUILDABLE AREA	2352.94 ACRES
PROJECT FENCED AREA	2106.05 ACRES
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DC/AC RATIO	1.4
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MODULE NUMBER OF STRINGS	16617
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INVERTER RATING	4.2
INVERTER QUANTITY	53
RACKING SYSTEM	SAP 1P NEXTRACKER
РІТСН	23.x FT
GCR	31%

## NOTES:

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

## OFFSETS:

_		
	1.	WETLANDS – 25'
	2.	STREAMS – 25'
	3.	NON-PARTICIPATING ADJACE
	4.	PARTICIPATING LANDOWNERS
	5.	EXISTING TRANSMISSION LINE
	6.	TREE SHADING - SOUTH 20'
	7.	TREE SHADING - NORTH, EA
	8.	OPEN WATER – 25'
	9.	FEMA FLOOD PLAN 25'
	10.	ROADS — 100' FROM EDGE

PROPOSED SOLAR ARRAY

5

INVERTER STATION
BATTERY ENERGY STORAGE SYSTEM
PROPOSED FENCELINE
PROPERTY BOUNDARY
E-34.5kV-0H-25MW-1x
E-34.5kV-0H-25MW-2x
E-34.5kV-OH-50MW-1x
E-34.5kV-OH-50MW-2x
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
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

IACENT OR BUSINESS – 300' IERS – 200' LINE – 25' EAST AND WEST 80'



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	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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Client/Project Logo



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HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title

CONCEPTUAL LAYOUT SECTIONAL VIEW

Project No. 193708901 Revision Sheet 6 of 6 А



GIS Analyst: corbin.hol

Map ID	PARCEL	ACRES	Name
0	057-00-00-006.00	144.36	TRIPLE A FARM OF FLEMING COUNTY INC
1	057-00-00-008.00	0.58	REID JASON A & SHAUNA
2	057-00-00-008.01	0.48	REID ANTHONY K & PATRICIA
3	057-00-00-010.00	86.65	REID EILEEN HEIRS
4	057-00-00-011.00	94.36	JOHNSON KENNETH E &
5	057-00-00-011.01	81.83	REEDER WILLIAM KEITH ETALS
6	057-00-00-016.00	108.22	CONRAD ELIZABETH J
7	057-00-00-003.00	52.54	LENGACHER WILL & MARY
8	057-00-00-001.00	81.40	GRABER MARCUS & SUSAN
9	057-00-00-004.00	0.90	SCOTT RODNEY EUGENE
10	057-00-00-037.00	85.99	SCHWARTZ DANIEL &
11	057-00-00-012.00	141.99	REEDER KEITH
12	058-00-00-022.00	5.86	LINDBERG DAVID J & MARY A
13	058-00-00-023.02	34.67	HILL MICHAEL TERRENCE
14	058-00-00-037.00	38.52	PRATER ROBERT E & KIM
15	058-00-00-033.00	68.69	HILL MICHAEL & BARBARA L
16	058-00-00-025.00	1.19	COX AMANDA LACHELLE
17	058-00-00-030.00	0.74	ARTHUR RUSSELL F & MARJORIE
18	058-00-00-014.00	26.14	UTTERBACK WILLA
19	058-00-00-032.00	131.70	PEACHEY BEN & JUDY
20	058-00-00-018.00	23.45	DILLON JAMES BROOKS
21	058-00-00-020.01	33.03	STRODE GLORIA JEAN & BRUCE WAYNE
22	059-00-00-009.01	45.44	MAZELIN JACOB C
23	059-00-00-008.00	97.30	WILLS CHARLES R
24	059-00-00-011.00	44.44	BEDORE RITA SCURRY & GREGORY G
25	059-00-00-027.00	17.82	JONES KIMBERELY D
26	059-00-00-023.00	49.40	BORDERS TERRY JOE &
27	059-00-00-028.00	113.28	JONES KIMBERELY D
28	059-00-00-022.00	67.46	GOODING LINDA ESTATE
29	059-00-00-021.00	167.66	HIMES HAROLD D & WANDA
30	059-00-00-013.00	124.71	DOYLE HAZEL L
31 32	059-00-00-014.00	3.32	MITCHELL JASON B SMITH KELLEY & LESLIE LITZLER
	059-00-00-005.00	54.92	
33 34	080-00-00-002.00 080-00-00-012.00	42.62 0.87	APPLEGATE VERA LUCILLE ESTATE & SKAGGS EULA G
34 35	080-00-00-012.00	2.28	MAY JULIUS R & RAMONA
35	080-00-00-009.00	121.25	SCHWARTZ JOHN R & ESTHER I
30 37	082-00-00-005.00	53.70	NEW DIRECTION IRA INC
38	056-60-00-018.00	1.12	RAWLINGS JAMES T & BUFFEY W
39	056-60-00-010.00	0.49	MCDOWELL BOBBY & DONNA
40	056-60-00-011.00	0.45	MASON MELISSA
40 41	056-60-00-012.00	1.70	MASON RONALD JOE
42	056-60-00-019.00	15.84	VAUGHN HARRY L & JOHN CODY VAUGHN
43	080-00-00-005.02	1.24	MILLER ROSCOE NOLAN ESTATE
44	081-00-00-006.00	2.62	MERS KENNETH C & NANCIE HOPE
45	081-00-00-007.00	22.04	MINEER RUBY
7,5	001-00-00-007.00	22.04	

Map ID	PARCEL	ACRES	Name
46	081-00-00-039.00	18.33	SMITH LARRY & DONNA
47	081-00-00-002.00	0.59	BECKETT BILL & MONA C
48	081-00-00-010.00	39.25	SCHWARTZ JONATHON & MARY
49	069-00-00-021.00	24.69	LENGACHER JOSEPH E & ARLENE E &
50	069-00-00-018.00	1.48	KEARNS CANDACE N & ERIC L
51	069-00-00-028.00	19.38	CRUMP RICKY R & LISA M
52	069-00-00-025.00	5.49	MERS ELIZABETH JANE
53	069-00-00-035.00	78.73	GRIFFITH SHERRI
54	069-00-00-042.00	1.83	ESH DANIEL B & CAROLINE
55	069-00-00-041.00	2.51	KEGLEY ELWOOD H
56	069-00-00-040.00	1.13	KEGLEY JIMMIE D & GERALDINE V
57	069-00-00-039.00	84.22	CAUDILL SHARON D
58	069-00-00-003.00	4.40	RATLIFF JACOB & LELA
59	069-00-00-037.00	94.56	WILLIAMS ADRIAN T & SHIRLEY
60	069-00-00-012.00	69.84	MINEER RUBY
60 61	069-00-00-004.00	59.84	APPLEGATE VERA LUCILLE ESTATE
62	069-00-00-001.00	59.42	CONN JOSHUA CODY & JENNIFER GRAY
63	069-00-00-007.03	43.79	SUAREZ ANTHONY & ADA RUTH
64	070-00-00-014.00	112.18	MARSHALL PHILLIP W & RENEE C
65	070-00-00-004.00	5.66	MCKISSON DOUGLAS & KIM
66	070-00-00-005.00	10.57	HELMUTH ERNEST E & VIRGINIA
67	070-00-00-039.00	125.45	FEARIN STEPHEN G
68	070-00-00-013.00	1.49	GARDNER DWIGHT M & SHERRI L
69	070-00-00-009.00	95.12	MARSHALL CHARLES R
70	070-00-00-026.00	68.75	MARSHALL CHARLES R & PHILLIP W
70	070-00-00-023.00	110.40	MARSHALL CHARLES R
72	070-00-00-003.00	1.36	ROLPH FAMILY CEMETERY
72	057-00-00-013.00	147.99	REEDER KEITH
73	069-00-00-019.00	171.40	HUMPHRIES STEVEN W & SHARON
75	058-00-00-041.01	31.06	LOWE DUANE R
76	058-00-00-026.00	1.03	EARLS WENDELL LANE & JUDY L &
70	068-00-00-013.00	61.77	WHITE SAMUEL D & DEBRA
78	070-00-00-016.00	33.24	CAUDILL SHARON D
79	070-00-00-006.02	17.22	NORTON MICHAEL D & SARAH
80	081-00-00-040.00	67.29	DOYLE WILLIAM H & DAISY
81	080-00-00-011.00	1.72	APPLEGATE FREDDY ESTATE
82	059-00-00-026.00	46.46	STRAUSBAUGH ROBERT & GINGER
83	058-00-00-041.00	20.64	BREWER SHIRLEY ESTATE
84	070-00-00-028.02	7.56	HOLT RUSSELL L & SANDRA S
85	081-00-00-001.01	3.57	PALMER ROBERT TIM & PAULA
86	081-00-00-001.02	0.77	PALMER ROBERT TIM & PAULA
87	069-00-00-046.00	2.39	CAUDILL HELEN L
88	059-00-00-012.01	1.77	WILLIAMSON MELISSA C &
89	069-00-00-044.00	4.34	MIK LEE ANN
90	059-00-00-009.02	34.65	LUNSFORD ROBERT WAYNE
90 91	080-00-00-004.00	34.61	MEADOWS RANDALL & WILLA L
21	000-00-004.00	34.01	IVILADOWS NAINDALL & WILLA L

Map ID	PARCEL	ACRES	Name
92	080-00-00-004.00	89.85	MEADOWS RANDALL & WILLA L
93	070-00-00-010.00	36.11	PEACHEY BEN & JUDY
94	069-00-00-028.01	7.21	RUCKER EMMALEN N
95	058-00-00-040.00	13.78	FEARIN CATHY
96	071-00-00-003.00	69.04	WILLIAMS ADRIAN T & SHIRLEY
97	058-00-00-020.00	24.35	GRAHAM ALBERT W & CYNTHIA A
98	069-00-00-005.00	58.51	FOXWORTHY GEORGE ELMER REVOCABLE
99	070-00-00-028.05	73.47	SCHWARTZ SAM & ANNA MAE
100	070-00-00-015.00	27.30	MARSHALL PHILLIP W & RENEE C
101	071-00-00-005.00	65.66	SALYERS DONALD E & MARIA
102	058-00-00-040.12	0.59	WILLIAMS KIALE BRETT
103	058-00-00-040.28	0.71	HARMON JEFFREY A JR & TERRI LOWE
104	058-00-00-040.18	0.55	BALLARD JAMES S & ASHLEY
105	058-00-00-040.22	1.10	SOULE STEVEN L
106	058-00-00-041.03	5.00	UTTERBACK DAVID L & MIRANDA
107	081-00-00-041.00	305.37	GARRETT FRED B & THERESA L
108	069-00-00-048.00	113.25	TURNER GARY & GLENNA &
109	069-00-00-027.00	9.04	MEADOWS KENTON L
110	069-00-00-047.01	1.90	HICKERSON TIMOTHY N
111	057-00-00-038.01	0.82	SOUDER KENNETH A & CHERYL B
112	058-00-00-040.26	1.22	CONN LOUIS & CANDACE D
113	058-00-00-017.00	42.52	GILLIAM ZACHARY R & BRITTANY
114	058-00-00-016.00	0.70	UTTERBACK DAVID L
115	069-00-00-021.01	13.66	GRABER AMOS J & MARY E
116	058-00-00-040.14	1.32	STACY RICKIE
117	057-00-00-003.01	2.57	BARKER RHETT & JILL
118	069-00-00-047.02	51.19	<b>KEGLEY JIMMIE D &amp; GERALDINE V</b>
119	071-00-00-010.01	128.50	LENGACHER MARVIN & VIOLET
120	058-00-00-012.03	12.47	CASKEY LLOYD JR & ANNA RUTH
121	058-00-00-012.04	10.63	RIPATO BETTY LOU ESTATE
122	058-00-00-012.00	12.07	GILKERSON MAX D & MARY F
123	058-00-00-012.05	1.85	HAWKINS AMANDA MEADOWS
124	070-00-00-002.01	30.69	GRABER MATTHEW E & MIRIAM
125	058-00-00-040.20	0.55	BALLARD JAMES S & ASHLEY
126	082-00-00-032.00	246.05	TAYLOR IRENE IRREVOCABLE TRUST
127	057-00-00-015.00	176.36	HUMPHRIES STEVEN W & SHARON
128	081-00-00-004.02	5.94	SKAGGS THOMAS M & CHRISTIE L
129	070-00-00-008.00	0.71	MARSHALL CHARLES R
130	081-00-00-041.01	5.46	STEELE WILLIAM M & MELINDA E
131	069-00-00-039.01	29.05	CAUDILL SHARON D
132	081-00-00-042.00	89.19	SCHWARTZ JASON
133	081-00-00-045.00	9.99	GRABER EMANUEL & ADA
134	059-00-00-028.01	2.35	JONES KIMBERLY & MARK LOWE
135	057-00-00-007.02	15.11	LENGACHER JOSEPH & ARLENE &
136	057-00-00-007.00	99.16	EICHER DANIEL & BARBARA
137	080-00-00-004.01	25.22	HUGHES MICHAEL A & HEATHER DAWN















## <u>Exhibit B</u>



May 2, 2022

## **RE: Hummingbird Solar Project Community Outreach**

Dear Neighbor,

Recurrent Energy is proposing to develop and construct a 200-megawatt utility-scale solar and battery energy storage facility in Fleming County, Kentucky. The project is being proposed in the vicinity of Carpenter Road and Mt Carmel Road. As a neighbor to the solar project, we want to invite you to an informational session on May 24, 2022, from 11 AM to 2pm and 4 PM to 7PM at the Mount Carmel Fire Department located at 144 Foxport Rd, Wallingford, KY 41093. Please feel free to attend whichever session best fits your schedule.

At this informational session, you can expect to learn about utility-scale solar projects, Hummingbird Solar Project specifics, and what to expect during construction and project operations. We would also like to take this opportunity to get to know our neighbors and introduce Recurrent Energy and the project team. In the meantime, please feel free to contact the project team at the contact information provided below. Your questions or concerns are welcome at any time.

Recurrent Energy recognizes our projects have a long-term presence in the communities where they are sited, and we value your input during this process.

Best regards,

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Jayce Walker Manager, Development

Phone: (859) 694 2777 Email: Hummingbird@RecurrentEnergy.com Company Website: www.recurrentenergy.com Project Website: recurrentenergy.com/project/hummingbird
Name	Tracking Number	Address2	City	State	Zip	Delivery Date
PPLEGATE FREDDY ESTATE		695 FOXPORT RD	WALLINGFORD	KY	41093	Not delivered, sent back by Fed Ex
PPLEGATE VERA LUCILLE ESTATE		178 FOXPORT RD 960 MADDOX PIKE	WALLINGFORD FLEMINGSBURG	KY KY	41093 41041	Saturday, May 7, 2022 - 5:46 PM Saturday, May 7, 2022 - 6:45 PM
ALLARD JAMES S & ASHLEY		267 BEECH SPRINGS DR	FLEMINGSBURG	KY	41041	Saturday, May 7, 2022 - 0.43 PM Saturday, May 7, 2022 - 6:35 PM
LLARD JAMES S & ASHLEY		267 BEECH SPRINGS DR	FLEMINGSBURG	KY	41041	
CKETT BILL & MONA C DORE RITA SCURRY & GREGORY G		1031 FOXPORT RD 1622 WILSON RUN RD	WALLINGFORD WALLINGFORD	KY KY	41093 41093-	Friday, May 6, 2022 - 4:30 PM Tuesday, May 10, 2022 - 4:24 PM
RDERS TERRY JOE &		6350 BLOSSOM PARK DR	WEST CARROLLTON	OH	45449	Monday, May 9, 2022 - 4:16 PM
EWER SHIRLEY ESTATE		1412 MADDOX PIKE	FLEMINGSBURG	KY	41041	Saturday, May 7, 2022 - 6:41 PM
	1195284280950004105500776788308412	5338 RAYMOND RD		KY	41055	Monday, May 9, 2022 - 3:11 PM
JDILL HELEN L JDILL SHARON D	1195284280950004109300776788339640	1151 BLACK DIAMOND RD 3149 BEECHTREE PK	WALLINGFORD WALLINGFORD	KY KY	41093 41093	Sunday, May 8, 2022 - 3:05 PM
JDILL SHARON D		3149 BEECHTREE PK	WALLINGFORD	KY	41093	
JDILL SHARON D	1195284280950004109300776788361034	3149 BEECHTREE PK	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 11:56 AM
3LENTZ TIMOTHY & DEBORAH Y _GAN CHARLES & PATRICIA	1195284280950004104100776788389725 1195284280950004104100776788416343	1591 MADDOX PIKE 1208 BEECHTREE PIKE	FLEMINGSBURG FLEMINGSBURG	KY KY	41041 41041	Sunday, May 8, 2022 - 1:25 PM Sunday, May 8, 2022 - 11:06 AM
-GAN PATRICIA R	1195284280950004104100776788441712	1208 BEECHTREE RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 11:00 AM Sunday, May 8, 2022 - 11:06 AM
GAN WILLIAM A & GILBERTA	1195284280950004104100776788470329	1305 BEECH TREE RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 11:09 AM
NN JOSHUA CODY & JENNIFER GRAY	1195284280950004109300776788496410	742 FOXPORT RD 343 BEECH SPRINGS DR	WALLINGFORD FLEMINGSBURG	KY	41093 41041	Sunday, May 8, 2022 - 3:36 PM Wednesday, May 11, 2022 - 3:55 F
NRAD ELIZABETH J	1195284280950004104100776788519323 1195284280950004104100776788562507	5764 MT CARMEL RD	FLEMINGSBURG	KY KY	41041	Sunday, May 8, 2022 - 4:18 PM
AMANDA LACHELLE	1195284280950004104100776788589591	808 MADDOX PIKE	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 1:15 PM
	1195284280950004104100776788612847	67 BEECH SPRINGS DR	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 12:00 PM
JMP RICKY R & LISA M _ON JAMES BROOKS	1195284280950004109300776788639567 1195284280950004104100776788661238	2489 CARPENTER RD 584 MURPHY LANE	WALLINGFORD FLEMINGSBURG	KY KY	41093 41041	Sunday, May 8, 2022 - 12:36 PM Sunday, May 8, 2022 - 4:30 PM
LE HAZEL L	1195284280950004109300776788687385	1319 WILSON RUN RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 11:50 AM
'LE WILLIAM DALLAS & TERESA J	1195284280950004105600776788717727	8051 SHELBY STREET	MAYSVILLE	KY	41056	Saturday, May 7, 2022 - 6:27 PM
	1195284280950004109300776788751939	2844 BLACK DIAMOND RD		KY	41093	Wednesday, May 11, 2022 - 1:51 F
LS WENDELL LANE & JUDY L & HER DANIEL & BARBARA	1195284280950004104100776788793751 1195284280950004109300776788824630	864 MADDOX PIKE 380 JOHN LANE	FLEMINGSBURG WALLINGFORD	KY KY	41041 41093	Sunday, May 8, 2022 - 1:16 PM Sunday, May 8, 2022 - 2:51 PM
DANIEL B & CAROLINE	1195284280950004109300776788851324	1496 CARPENTER RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 12:30 PM
LEON D & NANCY Z	1195284280950004109300776789925050	1199 CARPENTER RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 12:21 PM
RIN CATHY RIN STEPHEN G	1195284280950004104100776789959379 1195284280950004109300776789999317	1412 MADDOX PIKE 1983 BEECHBURG RD	FLEMINGSBURG WALLINGFORD	KY KY	41041- 41093-	Sunday, May 8, 2022 - 1:23 PM Sunday, May 8, 2022 12:03 PM
WORTHY GEORGE ELMER REVOCABLE	1195284280950004109300776790033183	95 FOXPORT RD	WALLINGFORD	KY	41093-	Sunday, May 8, 2022 12:03 PM Sunday, May 8, 2022 - 3:42 PM
BREATH JAMES THOMAS	1195284280950004104100776790074161	1278 BEECHTREE PIKE	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 11:08 AM
	1195284280950004109300776790105680	526 CARPENTER RD		KY KY	41093	Tuesday, May 10, 2022 - 3:44 PM
RETT FRED B & THERESA L KERSON MAX D & MARY F	1195284280950004109300776790146587 1195284280950004104100776790181821	1830 BLACK DIAMOND RD 4694 MT CARMEL RD	WALLINGFORD FLEMINGSBURG	KY KY	41093 41041	Sunday, May 8, 2022 - 3:01 PM Sunday, May 8, 2022 - 4:34 PM
IAM ZACHARY R & BRITTANY	1195284280950004104100776790217686	410 MURPHY LN	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 4:27 PM
DDING LINDA ESTATE	Sent via Certified Mail	PO BOX 64	FLEMINGSBURG	KY	41041	Thursday, May 12, 2022 by cert m
BER AMOS J & MARY E BER EMANUEL & ADA	1195284280950004104100776790269341 1195284280950004118900776790307070	125 HILLSIDE DRIVE 543A THOMAS LN	FLEMINGSBURG TOLLESBORO	KY KY	41041 41189	Sunday, May 8, 2022 - 4:04 PM Monday, May 9, 2022 - 11:55 PM
ABER EMANUEL & ADA ABER JOSEPH JOHN & BETTY	1199207200990004110900770790907070	4508 BLUE RIDGE RD	CHARLESTOWN	K Y IN	41189 47111	Saturday, May 9, 2022 - 11:55 PM
ABER MATTHEW E & MIRIAM		162 GARRETT DR	WALLINGFORD	KY	41093-	Friday, May 6, 2022 - 4:21 PM
HAM ALBERT W & CYNTHIA A		574 LAKESIDE DRIVE	FLEMINGSBURG	KY	41041	Saturday, May 7, 2022 - 4:35 PM
MON JEFF A & MABLE RUTH COOPER	1195284280950004104100776790351526 1195284280950004104100776790397610	139 BEECHSPRINGS DR 342 BEECH SPRINGS DR	FLEMINGSBURG FLEMINGSBURG	KY KY	41041 41041	Sunday, May 8, 2022 - 11:16 AM Sunday, May 8, 2022 - 11:23 AM
VEY JOSEPH	1195284280950004109300776792382517	2111 WILSON RUN RD	WALLINGFORD	KY	41041	Sunday, May 8, 2022 - 11:43 AM
VEY JOSEPH		2111 WILSON RUN RD	WALLINGFORD	KY	41041	
/KINS AMANDA MEADOWS MUTH ERNEST E & VIRGINIA	1195284280950004104100776790475695 1195284280950004109300776790651351	230 MURPHY LANE 1317 CARPENTER RD	FLEMINGSBURG WALLINGFORD	KY KY	41041 41093	Sunday, May 8, 2022 - 4:27 PM Wednesday, May 11, 2022 - 3:05 I
KERSON TIMOTHY N	1195284280950004109300776790685235	1368 CARPENTER ROAD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 12:27 PM
MICHAEL TERRENCE	1195284280950004104100776790720539	380 MADDOX PIKE	FLEMINGSBURG	KY	41041	Saturday, May 7, 2022 - 6:46 PM
ES HAROLD D & WANDA	1195284280950004104100776792428898	3779 WALLINGFORD RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 5:51 PM
LAND THOMAS IPHRIES STEVEN W & SHARON	1195284280950004104100776792472519 1195284280950004104100776792512207	1297 MADDOX PIKE 1052 POPLAR GROVE RD	FLEMINGSBURG FLEMINGSBURG	KY KY	41041 41041	Sunday, May 8, 2022 - 1:21 PM Saturday, May 14, 2022 - 5:15 PM
/PHRIES STEVEN W & SHARON	1195204200950004104100770792512207	1052 POPLAR GROVE RD	FLEMINGSBURG	KY	41041	Saturday, May 14, 2022 - 3.13 P M
INSON KENNETH E &	1195284280950004104100776792556700	6344 MT CARMEL RD	FLEMINGSBURG	KY	41041	Tuesday, May 10, 2022 - 3:28 PM
	1195284280950004035300776792603569	205 SHADY BROOK LANE	MT STERLING	KY	40353-	Sunday, May 8, 2022 - 10:47 AM
NES KIMBERELY D NES KIMBERLY & MARK LOWE	1195284280950004035300776792760384	205 SHADY BROOK LANE 205 SHADY BROOK DR	MT STERLING MT STERLING	KY KY	40353- 40353	Sunday, May 8, 2022 - 10:47 AM
ENZIG STEPHEN E	1195284280950004104100776792802980	2569 MT CARMEL RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 4:46 PM
RNS CANDACE N & ERIC L	1195284280950004104100776792839679	168 TAYLOR MILL RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 7:10 PM
GLEY ELWOOD H GLEY JIMMIE D & GERALDINE V	1195284280950004109300776792878069	1558 CARPENTER RD	WALLINGFORD WALLINGFORD	KY KY	41093 41093	Saturday, May 7, 2022 - 6:06 PM
GLEY JIMMIE D & GERALDINE V	1195284280950004109300776792918835	170 BLACK DIAMOND RD 170 BLACK DIAMOND RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 6:09 PM
IAR JESSICA L	1195284280950004104100776792950790	488 MADDOX PIKE	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 1:13 PM
GACHER JOSEPH & ARLENE &	1195284280950004104100776792997527	6961 MT CARMEL RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 4:04 PM
GACHER JOSEPH E & ARLENE E & GACHER MARVIN & VIOLET	1195284280950004104100776793187689	6961 MT CARMEL ROAD 767 BEECHBURG ROAD	FLEMINGSBURG FLEMINGSBURG	KY KY	41041 41041	Saturday, May 7, 2022 - 2:06 PM
/IS PAUL H TRUST	1195284280950004104100776793245376	1718 MAGNOLIA DR	GREENWOOD	IN	46143-	Sunday, May 8, 2022 - 2:00 PM Sunday, May 8, 2022 - 9:51 AM
DBERG DAVID J & MARY A	1195284280950004104100776793298976	456 MADDOX PIKE	FLEMINGSBURG	KY	41041	Monday, May 9, 2022 - 2:44 PM
SFORD ROBERT WAYNE	1195284280950004109300776793337554	1957 WILSON RUN RD		KY	41093	Sunday, May 8, 2022 - 11:45 AM
RSHALL CHARLES R RSHALL CHARLES R		994 CARPENTER ROAD 994 CARPENTER ROAD	WALLINGFORD WALLINGFORD	KY KY	41093 41093-9730	
RSHALL CHARLES R	1195284280950004109300776793374971	994 CARPENTER ROAD	WALLINGFORD	KY	41093-9730	Wednesday, May 11, 2022 - 3:06 I
RSHALL CHARLES R & PHILLIP W	1195284280950004109300776793418139	994 CARPENTER RD	WALLINGFORD	KY	41093	Thursday, May 12, 2022 - 5:14 PM
RSHALL PHILLIP W & RENEE C		852 CARPENTER RD 852 CARPENTER RD	WALLINGFORD WALLINGFORD	KY KY	41093 41093	
SHALL PHILLIP W & RENEE C		852 CARPENTER RD 852 CARPENTER RD	WALLINGFORD	KY KY	41093 41093	
RSHALL PHILLIP W & RENEE C	1195284280950004109300776793457879	852 CARPENTER RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 12:16 PM
JULIUS R & RAMONA	1195284280950004109300776793494472	875 FOXPORT RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 3:28 PM
ELIN JACOB C CLEESE VANESSA K	1195284280950004109300776793532065 1195284280950004104100776793567644	2148 WILSON RUN RD 149 BEECH SPRINGS DR	WALLINGFORD FLEMINGSBURG	KY KY	41093 41041	Tuesday, May 10, 2022 - 4:19 PM Sunday, May 8, 2022 - 11:17 AM
CLEESE VANESSA K KISSON DOUGLAS & KIM	1195284280950004104100776793567644 1195284280950004109300776793610464	149 BEECH SPRINGS DR 1375 CARPENTER RD	WALLINGFORD	KY KY	41041 41093	Sunday, May 8, 2022 - 11:17 AM Sunday, May 8, 2022 - 12:24 PM
DOWS KENTON L	1195284280950004104100776793652060	7170 MT CARMEL RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 4:03 PM
DOWS RANDALL & WILLA L		785 FOXPORT RD	WALLINGFORD	KY	41093	Saturday, May 7, 2022 - 5:41 PM
ADOWS RANDALL & WILLA L RS ELIZABETH JANE		785 FOXPORT RD 7108 MT CARMEL RD	WALLINGFORD FLEMINGSBURG	KY KY	41093 41041	
RS ELIZABETH JANE	;1195284280950004104100776793859840	7108 MT CARMEL RD	FLEMINGSBURG	KY	41041	Wednesday, May 11, 2022 - 2:18 I
RS KENNETH C & NANCIE HOPE	;1195284280950004109300776793907330	338 SAUNDERS RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 3:19 PM
	;1195284280950004109300776793941987	2497 BLACK DIAMOND RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 2:58 PM
LEE ANN EER KAREN S	;1195284280950004109300776793980116 ;1195284280950004104100776794013084	1240 CARPENTER RD 521 JM CLARY RD	WALLINGFORD FLEMINGSBURG	KY KY	41093 41041	Monday, May 9, 2022 - 2:03 PM Sunday, May 8, 2022 - 12:46 PM
ER RUBY	,	502 SAUNDERS RD	WALLINGFORD	KY	41093	Canady, May 0, 2022 - 12.40 F 11
EER RUBY	;1195284280950004109300776794046112	502 SAUNDERS RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 3:24 PM
RAN BRIAN K 2015 ANGELA PERKINS	;1195284280950004104100776794091424	44 BEECH SPRINGS DR	FLEMINGSBURG	KY KY	41041 41041	Sunday, May 8, 2022 - 11:13 AM
RRIS ANGELA PERKINS CARMEL BIBLE FELLOWSHIP	;1195284280950004104100776794123283 ;1195284280950004109300776794157373	84 MADDOX PIKE 1061 CARPENTER RD	FLEMINGSBURG WALLINGFORD	KY KY	41041 41093	Sunday, May 8, 2022 - 1:10 PM Monday, May 9, 2022 - 2:08 PM
CARMEL CHRISTIAN CHURCH	;1195284280950004104100776794192283	55 POPLAR GROVE RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 12:46 PM
RTON MICHAEL D & SARAH	;1195284280950004109300776794311973	1131 CARPENTER RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 12:19 PM
MER ROBERT TIM	;1195284280950004109300776794345560	164 SAUNDERS RD		KY KY	41093 41093	Sunday, May 8, 2022 - 3:17 PM
MER ROBERT TIM & PAULA MER ROBERT TIM & PAULA	;1195284280950004109300776794386504	164 SAUNDERS RD 164 SAUNDERS RD	WALLINGFORD WALLINGFORD	KY KY	41093 41093	Sunday, May 8, 2022 - 3:17 PM
MER ROBERT TIM & PAULA	,	164 SAUNDERS RD	WALLINGFORD	KY	41093	$= \dots = \sum_{j=1}^{n} \sum_{j=1}^{n$
CHEY BEN & JUDY	;1195284280950004104100776794417140	1175 MADDOX PIKE	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 1:19 PM
CHEY BEN & JUDY TER ROBERT E & KIM	;1195284280950004109300776794454291	1175 MADDOX PIKE 2229 BEECHBURG RD	FLEMINGSBURG WALLINGFORD	KY KY	41041 41093	Sunday, May 8, 2022 - 12:00 PM
LIFF JACOB & LELA	;1195284280950004109300776794454291 ;1195284280950004109300776794490359	235 FOXPORT RD	WALLINGFORD	KY KY	41093 41093	Tuesday, May 8, 2022 - 12:00 PM Tuesday, May 10, 2022 - 3:05 PM
			MAYSVILLE	KY	41056	, , <u>, , </u>
EDER KEITH		7107 MT GILEAD RD				
EDER KEITH EDER KEITH EDER WILLIAM KEITH ETALS	;1195284280950004105600776794524306 ;1195269280940003792300776794711996	7107 MT GILEAD RD 7107 MT GILEAD RD 811 WHIRLAWAY CIRCLE	MAYSVILLE MAYSVILLE KNOXVILLE	KY TN	41056 37923	Saturday, May 7, 2022 - 3:55 PM Sunday, May 8, 2022 - 4:28 PM

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REID EILEEN HEIRS	;1195284280950004104100776794779113	1230 POPLAR GROVE RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 12:51 PM
REID JASON A & SHAUNA	:1195284280950004104100776794810488	1380 POPLAR GROVE RD	FLEMINGSBURG	KY	41041	Monday, May 9, 2022 - 1:53 PM
RIPATO BETTY LOU ESTATE	Sent via Certified Mail	PO BOX 204	TOLLESBORO	KY	41189	Monday, May 9, 2022 by cert mail
RIPATO ROBERT D & RHONDA R	;1195284280950004109300776794855601	2090 CARPENTER ROAD	WALLINGFORD	KY	41093-	Sunday, May 8, 2022 - 12:33 PM
RIPATO ROBERT D & RHONDA R	, 110020120000001100000110101000001	2090 CARPENTER ROAD	WALLINGFORD	KY	41093-	
ROLPH FAMILY CEMETERY	1195284280950004109300776795611371	R 1	WALLINGFORD	KY	41093	This is a cemetery and it will not get delivered
RUCKER EMMALEN N	1195284280950004109300776795127252	2313 CARPENTER ROAD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 12:35 PM
SALYERS DONALD E & MARIA	1195284280950004104100776795669778	1270 BEECHBURG RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 12:00 PM
SALYERS DONALD E & MARIA	1133204200330004104100770733003770	1270 BEECHBURG RD	FLEMINGSBURG	KY	41041	Sunday, May 0, 2022 - 12.101 M
SCHWARTZ DANIEL &	1195284280950004104100776795711249	697 MURRAY LANE	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 12:59 PM
SCHWARTZ EUGENE JR & CAROLYN	1195284280950004104100776795737396	938 MADDOX PIKE	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 12.39 FM Sunday, May 8, 2022 - 1:18 PM
SCHWARTZ EUGENE JR & CAROLIN SCHWARTZ JOHN R & ESTHER I	1195284280950004109300776795761574	1033 FOXPORT ROAD	WALLINGFORD	KY	41041	Sunday, May 8, 2022 - 1.18 PM Sunday, May 8, 2022 - 3:31 PM
SCHWARTZ JOHN R & ESTHERT SCHWARTZ JONAS E & MARTHA		131 SAUNDERS RD	WALLINGFORD	KY	41093-	
	1195284280950004109300776795784601					Sunday, May 8, 2022 - 3:14 PM
SCHWARTZ JONAS E & MARTHA	110500100050001100000770705000011	131 SAUNDERS RD	WALLINGFORD	KY	41093-	Currenters Mars 0, 2022 - 2:20 DM
SCHWARTZ JONATHON & MARY	1195284280950004109300776795809311	1037 FOXPORT RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 3:30 PM
SKAGGS THOMAS M & CHRISTIE L	1195284280950004104100776795830810	6582 MT CARMEL RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 4:09 PM
SMITH LARRY & DONNA	1195284280950004109300776795854690	42 PRATER RD	WALLINGFORD	KY	41093	Tuesday, May 10, 2022 - 2:55 PM
SOULE STEVEN L	1195284280950004104100776795063935	256 BEECH SPRINGS DRIVE	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 11:19 AM
SPANN CHARLES A & NANCY A	1195284280950004109300776795089409	499 SAUNDERS RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 3:21 PM
SPENCER ROGER D & DIANE	1195284280950004104100776795108897	920 MADDOX PIKE	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 1:17 PM
SPENCER ROGER D & DIANE		920 MADDOX PIKE	FLEMINGSBURG	KY	41041	
STACY RICKIE	1195284280950004104100776795147427	197 BEECH SPRINGS DRIVE	FLEMINGSBURG	KY	41041-	Tuesday, May 10, 2022 - 4:16 PM
STEELE WILLIAM M & MELINDA E	1195284280950004109300776795167028	1830 BLACK DIAMOND ROAD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 3:01 PM
STRAUSBAUGH ROBERT & GINGER	1195284280950004104100776795191765	1608 MOCKINGBIRD HILL	FLEMINGSBURG	KY	41041-	Sunday, May 8, 2022 - 12:32 PM
STRODE GLORIA JEAN & BRUCE WAYNE	1195284280950004104100776795219408	4699 MT CARMEL ROAD	FLEMINGSBURG	KY	41041-	Sunday, May 8, 2022 - 4:34 PM
SUAREZ ANTHONY & ADA RUTH	1195284280950004104100776795238697	7990 MT CARMEL RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 3:42 PM
SWIM RUSSELL D & MARILYN	1195284280950004109300776795085756	2234 CARPENTER RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 12:33 PM
TRIPLE A FARM OF FLEMING COUNTY INC	1195284280950004104100776795122066	1594 POPLAR GROVE RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 12:53 PM
TURNER GARY & GLENNA &	1195284280950004100700776795160181	13755 PEACH GROVE RD	CALIFORNIA	KY	41007	Tuesday, May 10, 2022 - 1:27 PM
UTTERBACK DAVID L		1645 BEECHTREE PIKE	FLEMINGSBURG	KY	41041	
UTTERBACK DAVID L & MIRANDA	1195284280950004104100776795192132	1645 BEECHTREE PIKE	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 11:11 AM
UTTERBACK JARROD D & JOHN A &	1195284280950004104100776795217405	332 J M CLARY RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 12:40 PM
UTTERBACK JOHN A & LYLE B	1195284280950004104100776795241487	7506 MT CARMEL RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 3:50 PM
UTTERBACK JOHN A & TAMMY	1195284280950004104100776795266907	7506 MT CARMEL RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 3:50 PM
UTTERBACK WILLA	1195284280950004104100776795289779	5430 MT CARMEL RD	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 4:18 PM
WATSON MONICA R & MICHAEL L	1195284280950004104100776795052802	341 BEECH SPRINGS DRIVE	FLEMINGSBURG	KY	41041-	Sunday, May 8, 2022 - 11:22 AM
WHITE SAMUEL D & DEBRA	1195284280950004104100776795075847	8778 MT CARMEL ROAD	FLEMINGSBURG	KY	41041	Monday, May 9, 2022 - 1:45 PM
WILLIAMS ADRIAN T & SHIRLEY	1195284280950004109300776795091410	1833 BEECHBURG RD	WALLINGFORD	KY	41093	
WILLIAMS ADRIAN T & SHIRLEY		1833 BEECHBURG RD	WALLINGFORD	KY	41093	
WILLIAMS ADRIAN T & SHIRLEY		1833 BEECHBURG RD	WALLINGFORD	KY	41093	
WILLIAMS KIALE BRETT	1195284280950004104100776795108095	169 BEECH SPRINGS DR	FLEMINGSBURG	KY	41041	Sunday, May 8, 2022 - 11:18 AM
WILLIAMS SCOTT A & BETTY S	1195284280950004109300776795123739	1556 BEECHBURG RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 11:10 AM Sunday, May 8, 2022 - 12:08 PM
WILLIAMSON MELISSA C &	1195284280950004109300776795138764	1813 WILSON RUN RD	WALLINGFORD	KY	41093-	Sunday, May 8, 2022 - 12:00 F M Sunday, May 8, 2022 - 11:48 AM
WILLS CHARLES R	1195284280950004109300776795153661	2348 WILSON RUN RD	WALLINGFORD	KY	41093	Sunday, May 8, 2022 - 11:40 AM Sunday, May 8, 2022 - 11:42 AM
	113320420030004103300770733133001			IXI	41095	Sunday, May 0, 2022 - 11.42 AM
graber amos j & mary e	1195284280950004104100776793151324					Sunday, May 8, 2022 - 4:04 PM
Emmalen N Rucker	1195284280950004109300776795641433	2313 Carpenter RD	Wallingford	KY		41093 Sunday, May 8, 2022 - 12:35 PM

Tracking numbers for G Dutton mailing 5.6.22 - 4861-9804-5728.1 4890-4446-7765 v.1.xls

LU)	U.S. Postal Service <sup>™</sup> CERTIFIED MAIL <sup>®</sup> RECEIPT Domestic Mail Only
5 m	For delivery information, visit our website at www.usps.com <sup>®</sup> .
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en.	OFFICIAL USE
9668	Certified Mail Fee
Ц	Extra Services & Fees (check box, add fee as appropriate)
	Return Receipt (hardcopy)
	Return Receipt (electronic)     S      Postmark
0000	Certified Mail Restricted Delivery \$ Here
	Adult Signature Restricted Delivery \$
	Postage
2450	\$ Total
п	Betty Lou Ripato Estate
	Sent P.O. Box 204
7020	Stree Tollesboro, Kentucky 41189
<b>r</b> -	City,
	1
_	PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instruction
	U.S. Postal Service M
LLL	CERTIFIED MAILTM RECEIPT
2112	(Domestic Mail Only; No Insurance Coverage Provided)
PEL ELLE	(Domestic Mail Only: No Insurance Coverage Provided)
בגוב ובקב	(Domestic Mail Only; No Insurance Coverage Provided)
2721	(Domestic Mail Only; No Insurance Coverage Provided) For delivery information visit our website at www.usps.com OFFICIALUSE Postage
2721	(Domestic Mail Only; No Insurance Coverage Provided) For delivery information visit our website at www.usps.com OFFICIALUSE Postage Certified Fee Postmark
	(Domestic Mail Only; No Insurance Coverage Provided) For delivery information visit our website at www.usps.com OFFICIALUSE Postage Certified Fee
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0000 2721	(Domestic Mail Only; No Insurance Coverage Provided)         For delivery information visit our website at www.usps.com@         OFFICIALUSE         Postage       \$         Certified Fee         Postage         Return Receipt Fee       Postmark         Restricted Delivery Fee       Postmark
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1160 0000 2721	(Domestic Mail Only; No Insurance Coverage Provided)         For delivery information visit our website at www.usps.com@         OFFICIALUSE         Postage         Postage         Certified Fee         Return Receipt Fee         (Endorsement Required)         Restricted Delivery Fee         (Endorsement Required)         Tota         Sent 7       Linda Gooding Estate
0000 2721	(Domestic Mail Only; No Insurance Coverage Provided)         For delivery information visit our website at www.usps.com@         OFFICIALUSE         Postage         Postage         Certified Fee         Return Receipt Fee         (Endorsement Required)         Restricted Delivery Fee         (Endorsement Required)         Tota         Sent 7       Linda Gooding Estate         Streei       P.O. Box 64
1160 0000 2721	(Domestic Mail Only; No Insurance Coverage Provided)         For delivery information visit our website at www.usps.com@         OFFICIALUSE         Postage       *         Postage       *         Certified Fee       Postmark         Restricted Delivery Fee       Postmark         (Endorsement Required)       *         Tota       *         Sent 7       Linda Gooding Estate         Street       P.O. Box 64         or PO       Fleemingsburg, Kentucky 41041
1160 0000 2721	(Domestic Mail Only; No Insurance Coverage Provided)         For delivery information visit our website at www.usps.com@         OFFICIALUSE         Postage         Postage         Certified Fee         Return Receipt Fee         (Endorsement Required)         Restricted Delivery Fee         (Endorsement Required)         Tota         Sent 7       Linda Gooding Estate         Streei       P.O. Box 64



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Certified Mail service provides the following benefits: A receipt (this portion of the Certified Mail label). A unique identifier for your mailpiece. = Electronic verification of delivery or attempted delivery.

A record of delivery (including the recipient's signature) that is retained by the Postal Service" for a specified period.

Important Reminders: · You may purchase Certified Mail service with

First-Class Mail®, First-Class Package Service®, or Priority Mail® service.

Certified Mail service is not available for international mail.

Insurance coverage is not available for purchase with Certified Mail service. However, the purchase of Certified Mail service does not change the insurance coverage automatically included with certain Priority Mail items.

For an additional fee, and with a proper endorsement on the mailpiece, you may request the following services:

the following services: Return receipt service, which provides a record of delivery (including the recipient's signature). You can request a hardcopy return receipt or an electronic version. For a hardcopy return receipt, complete PS Form 3811, *Domestic Return Receipt*; attach PS Form 3811 to your mailpiece; **IMPORTANT: Save this receipt for your records.** 

PS Form 3800, April 2015 (Reverse) PSN 7530-02-000-9047

#### **Certified Mail Provides:** A mailing receipt

A unique identifier for your mailpiece

- A record of delivery kept by the Postal Service for two years
- Important Reminders: Certified Mail may ONLY be combined with First-Class Mail<sub>®</sub> or Priority Mail<sub>®</sub>.
- Certified Mail is not available for any class of international mail.
- NO INSURANCE COVERAGE IS PROVIDED with Certified Mail. For valuables, please consider Insured or Registered Mail.
- For an additional fee, a Return Receipt may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS<sub>®</sub> postmark on your Certified Mail receipt is required.
- For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement *"Restricted Delivery"*.
  If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.

IMPORTANT: Save this receipt and present it when making an inquiry. Internet access to delivery information is not available on mail addressed to APOs and FPOs.

for an electronic return receipt, see a retail associate for assistance. To receive a duplicate return receipt for no additional fee, present this USPS®-postmarked Certified Mail receipt to the retail associate.

- Restricted delivery service, which provides delivery to the addressee specified by name, or to the addressee's authorized agent.

- Adult signature service, which requires the signee to be at least 21 years of age (not available at retail). Adult signature restricted delivery service, which requires the signee to be at least 21 years of age and provides delivery to the addressee specified

by name, or to the addressee's authorized agent (not available at retail). To ensure that your Certified Mail receipt is

accepted as legal proof of mailing, it should bear a USPS postmark. If you would like a postmark on this Certified Mail receipt, please present your Certified Mail item at a Post Office™ for postmarking. If you don't need a postmark on this Certified Mail receipt, detach the barcoded portion of this label, affix it to the mailpiece, apply

#### PS Form 3800, June 2002 (Reverse)





# HUMMINGBIRD PROJECT DETAILS







## **Project Timeline**\*

2019-2022	2020-2022	2021-2022	2023-2024	2024-2025
Desktop Siting and Environmental Diligence	Site Control	Community Engagement and State Permitting	Construction	Commercial Operation



o to 35,000
905 acres under option / 2,353 available acres to be utilized Irrent project design requires 2,106 acres for infrastructure
o to 300

**Contact Us** 

859.694.2777

## Hummingbird@recurrentenergy.com

\*Project schedule subject to change based on market conditions; \*\*Project acreage subject to change based on landowner partnerships

# WHAT TO EXPECT DURING OPERATIONS AND DECOMMISSONING



## The Hummingbird Solar Project

## **Operations**

- Operating solar projects are low maintenance. A small team of up to 5 operations and maintenance (O&M) professionals will keep the project running at its optimal output.
- Daily activities for this staff include visual inspections, preventative care, ground maintenance, and coordinating repairs
- After construction, the site is reseeded with vegetation to stabilize the soil.
- The O&M staff will mow vegetation regularly control weeds and pests, as necessary.
- Because of local rain patterns, regular washing of panels is not anticipated but will occur as needed. A water source other than the local

as needed.

groundwater will be used. No solvents or cleaning agents are used in the washing process.

## Decommissioning

The Hummingbird Solar Project has an expected lifespan of approximately 40 years. At the end of a project's lifespan, the project can be repowered or decommissioned. Decommissioning typically requires 12 months.

To repower a project, the project owner would need to work with Fleming County and the state of Kentucky to complete studies and obtain permits to continue operation.

If a project is decommissioned, this would occur pursuant to an established decommissioning plan. Counties often require utility-scale solar projects like Hummingbird to have a pre-approved decommissioning plan prior to the commencement of construction.

Decommissioning would typically occur at the end of the project's useful life, but it could occur

earlier if the project is prematurely discontinued or if the County or State determines the project to be unsafe.

## **Decommissioning Includes:**

- Removal and disposal of all project equipment as required by the applicable code
- Removal of all graveled areas, access roads, and fencing (unless otherwise requested by landowner to remain in place)
- Grading and reseeding of disturbed earth (unless landowner requests that areas not be revegetated)

Taxpayer dollars will not be used towards the decommissioning of the solar project. The project must set aside funds that will be available throughout the life of the project in the event of a decommissioning.



ORIGINAL SHEET - ANSI D

 $\mathbf{\Phi}$ legend

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PARCEL AREA	
	3905.41 ACRES
PARCEL AREA WITHOUT EXCLUSION AREAS	3400.91 ACRES
BUILDABLE AREA	2352.94 ACRES
PROJECT FENCED AREA	2106.05 ACRES
FENCE PERIMETER LENGTH (LINEAR FEET)	402362.09
SYSTEM SIZE - DC	285 MWp
SYSTEM SIZE - AC	200 MWac at POI
DC/AC RATIO	1.4
DC SYSTEM VOLTAGE	1500 V
MODULE MODEL	BiHiKu 7
MODULE RATING	495 W
MODULE QUANTITY	523436
MODULE NUMBER OF STRINGS	16617
INVERTER MODULE	FS4200M
INVERTER RATING	4.2
INVERTER QUANTITY	53
RACKING SYSTEM	SAP 1P NEXTRACKER
РІТСН	23.x FT
GCR	31%

## NOTES:

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

#### OFFSETS:

1.	WETLANDS – 25'
2.	STREAMS – 25'
3.	NON-PARTICIPATING ADJACE
4.	PARTICIPATING LANDOWNERS
5.	EXISTING TRANSMISSION LINE
6.	TREE SHADING - SOUTH 20
7.	TREE SHADING - NORTH, EA
8.	OPEN WATER – 25'
9.	
10.	ROADS – 100' FROM EDGE



5

PROPOSED SOLAR ARRAY

INVERTER STATION
BATTERY ENERGY STORAGE SYSTEM
PROPOSED FENCELINE
PROPERTY BOUNDARY
E-34.5kV-OH-25MW-1x
E-34.5kV-0H-25MW-2x
E-34.5kV-OH-50MW-1x
E-34.5kV-0H-50MW-2x
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
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

IACENT OR BUSINESS – 300' IERS – 200' LINE – 25' , EAST AND WEST 80'



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A ISSUED FOR REVIEW	ZG	DK	2022.05.19
Revision	Ву	Appd	YYYY.MM.DD

CONCEPTUAL LAYOUT		ZG By	DK Appd	2022.05.19 YYYY.MM.DD
File Name: 193708901_E200_REV1	ZG	ZG	DK	2022.03.25
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo



Client/Project HUMMINGBIRD SOLAR PROJECT, LLC

HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title

CONCEPTUAL LAYOUT **OVERALL SITE** 

Project No. 193708901 Revision Sheet 1 of 6 А





#### NOTES:

PITCH GCR

RACKING SYSTEM

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

#### OFFSETS:

_		
	1.	WETLANDS – 25'
	2.	STREAMS – 25'
	3.	NON-PARTICIPATING ADJACE
	4.	PARTICIPATING LANDOWNERS
	5.	EXISTING TRANSMISSION LINE
	6.	
	7.	
	8.	OPEN WATER – 25'
	9.	
	10.	ROADS – 100' FROM EDGE



5

PROPOSED SOLAR ARRAY

INVERTER STATION
BATTERY ENERGY STORAGE SYSTEM
PROPOSED FENCELINE
PROPERTY BOUNDARY
E-34.5kV-0H-25MW-1x
E-34.5kV-0H-25MW-2x
E-34.5kV-OH-50MW-1x
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CI DAIA	
	3905.41 ACRES
SION AREAS	3400.91 ACRES
	2352.94 ACRES
	2106.05 ACRES
IEAR FEET)	402362.09
	285 MWp
	200 MWac at POI
	1.4
	1500 V
	BiHiKu 7
	495 W
	523436
1	16617
	FS4200M
	4.2
	53
	SAP 1P NEXTRACKER
	23.x FT
	31%

ACENT OR BUSINESS - 300' ERS – 200' LINE – 25' EAST AND WEST 80'



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File Name: 193708901_E200_REV1	ZG Dwn.	ZG Dsgn.	DK Chkd.	2022.03.25 YYYY.MM.DD

Permit/Seal

Client/Project Logo



Client/Project HUMMINGBIRD SOLAR PROJECT, LLC

HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title

CONCEPTUAL LAYOUT SECTIONAL VIEW

Project No. 193708901 Revision Sheet 2 of 6 А





NOTES: 1. project areas are subje pending future design cc OFFSETS: 1. wetlands - 25'
PENDING FUTURE DESIGN CC OFFSETS: 1. WETLANDS - 25'
1. WETLANDS – 25'
<ol> <li>STREAMS – 25'</li> <li>NON-PARTICIPATING ADJACE</li> <li>PARTICIPATING LANDOWNERS</li> <li>EXISTING TRANSMISSION LINE</li> <li>TREE SHADING – SOUTH 20</li> <li>TREE SHADING – NORTH, EA</li> <li>OPEN WATER – 25'</li> <li>FEMA FLOOD PLAN 25'</li> <li>ROADS – 100' FROM EDGE</li> </ol>



PROPOSED SOLAR ARRAY

INVERTER STATION
BATTERY ENERGY STORAGE SYSTEM
PROPOSED FENCELINE
PROPERTY BOUNDARY
E-34.5kV-0H-25MW-1x
E-34.5kV-OH-25MW-2x
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BUILDABLE AREA

EXCLUSION AREA

PROPOSED PROJECT SUBSTATION LOCATION

PROPOSED UTILITY SUBSTATION LOCATION

PROPOSED BESS LOCATION

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	SAP 1P NEXTRACKER
	23.x FT
	31%

JECT TO CHANGE CONSTRAINTS

ACENT OR BUSINESS – 300' ERS – 200' LINE – 25' EAST AND WEST 80'



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Permit/Seal

Client/Project Logo



Client/Project HUMMINGBIRD SOLAR PROJECT, LLC

HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title

CONCEPTUAL LAYOUT SECTIONAL VIEW

Project No. 193708901 Revision Sheet 3 of 6 А





PROJECT DATA	
PARCEL AREA	3905.41 ACRES
PARCEL AREA WITHOUT EXCLUSION AREAS	3400.91 ACRES
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#### NOTES:

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9.	FEMA FLOOD PLAN 25'
10.	ROADS - 100' FROM EDGE



5

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PROPOSED FENCELINE
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E-34.5kV-0H-25MW-1x
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PROPOSED BESS LOCATION

PROPOSED LAY DOWN AREA

IACENT OR BUSINESS – 300' IERS – 200' LINE – 25' , EAST AND WEST 80'



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Consultant

A ISSUED FOR REVIEW	ZG	DK	2022.05.19
Revision	Ву	Appd	YYYY.MM.DD

CONCEPTUAL LAYOUT		ZG By	DK Appd	2022.05.19 YYYY.MM.DD
File Name: 193708901_E200_REV1	ZG	ZG	DK	2022.03.25
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Permit/Seal

Client/Project Logo



Client/Project HUMMINGBIRD SOLAR PROJECT, LLC

HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title

CONCEPTUAL LAYOUT SECTIONAL VIEW

Project No. 193708901 Revision Sheet 4 of 6 Α





PROJECT DATA PARCEL AREA PARCEL AREA WITHOUT EXCLUSI BUILDABLE AREA PROJECT FENCED AREA FENCE PERIMETER LENGTH (LINE SYSTEM SIZE - DC

SYSTEM SIZE - AC DC/AC RATIO DC SYSTEM VOLTAGE MODULE MODEL MODULE RATING MODULE QUANTITY MODULE NUMBER OF STRINGS INVERTER MODULE INVERTER RATING INVERTER QUANTITY RACKING SYSTEM PITCH GCR

#### NOTES:

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

#### OFFSETS:

1.	WETLANDS – 25'
2.	STREAMS – 25'
3.	NON-PARTICIPATING ADJACE
4.	PARTICIPATING LANDOWNERS
5.	EXISTING TRANSMISSION LINE
6.	TREE SHADING - SOUTH 20
7.	TREE SHADING - NORTH, E.
8.	OPEN WATER – 25'
9.	FEMA FLOOD PLAN 25'
10.	ROADS - 100' FROM EDGE

5

INVERTER STATION
BATTERY ENERGY STORAGE SYSTEM
PROPOSED FENCELINE
PROPERTY BOUNDARY
E-34.5kV-0H-25MW-1x
E-34.5kV-OH-25MW-2x
E-34.5kV-OH-50MW-1x
E-34.5kV-OH-50MW-2x
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
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

CI DAIA	
	3905.41 ACRES
SION AREAS	3400.91 ACRES
	2352.94 ACRES
	2106.05 ACRES
IEAR FEET)	402362.09
	285 MWp
	200 MWac at POI
	1.4
	1500 V
	BiHiKu 7
	495 W
	523436
1	16617
	FS4200M
	4.2
	53
	SAP 1P NEXTRACKER
	23.x FT
	31%

ACENT OR BUSINESS - 300' ERS – 200' LINE – 25' EAST AND WEST 80'



#### Stantec

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Consultant

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HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title

CONCEPTUAL LAYOUT SECTIONAL VIEW

Project No. 193708901 Revision Sheet 5 of 6 Α



# LEGEND

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PROJECT DATA					
PARCEL AREA	3905.41 ACRES				
PARCEL AREA WITHOUT EXCLUSION AREAS	3400.91 ACRES				
BUILDABLE AREA	2352.94 ACRES				
PROJECT FENCED AREA	2106.05 ACRES				
FENCE PERIMETER LENGTH (LINEAR FEET)	402362.09				
SYSTEM SIZE - DC	285 MWp				
SYSTEM SIZE - AC	200 MWac at POI				
DC/AC RATIO	1.4				
DC SYSTEM VOLTAGE	1500 V				
MODULE MODEL	BiHiKu 7				
MODULE RATING	495 W				
MODULE QUANTITY	523436				
MODULE NUMBER OF STRINGS	16617				
INVERTER MODULE	FS4200M				
INVERTER RATING	4.2				
INVERTER QUANTITY	53				
RACKING SYSTEM	SAP 1P NEXTRACKER				
РІТСН	23.x FT				
GCR	31%				

NOTES:

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

#### OFFSETS:

1.	WETLANDS - 25'
2.	STREAMS – 25'
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7.	TREE SHADING - NORTH, EA
8.	OPEN WATER – 25'
9.	FEMA FLOOD PLAN 25'
10.	ROADS – 100' FROM EDGE



5

PROPOSED SOLAR ARRAY

INVERTER STATION
BATTERY ENERGY STORAGE SYSTEM
PROPOSED FENCELINE
PROPERTY BOUNDARY
E-34.5kV-OH-25MW-1x
E-34.5kV-OH-25MW-2x
E-34.5kV-OH-50MW-1x
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WETLAND AND WATERWAY SETBACKS
FEMA FLOOD ZONE - 100 YEAR FLOOD PLAN ARE
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EX. OVERHEAD POWER OFFSET
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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

ACENT OR BUSINESS – 300' ERS – 200' LINE – 25' EAST AND WEST 80'



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Client/Project HUMMINGBIRD SOLAR PROJECT, LLC

HUMMINGBIRD SOLAR PROJECT

Mt. Carmel, Kentucky (Fleming County)

Title

CONCEPTUAL LAYOUT SECTIONAL VIEW

Project No. 193708901 Revision Sheet 6 of 6 А



I have the following questions about the Hummingbird solar project:

I have the following comments about the Hummingbird solar project:

 If you would like us to contact you, please leave your contact information:

 Name:
 Email:
 Phone:

 Mailing Address:
 Email:
 Phone:

## CONSTRUCTION





#### Please Sign Up to be Informed of Job Openings on the Project



#### HUMMINGBIRD ENERGY COMMUNITY MEETING - MAY 24, 2022

#### LIST OF ATTENDEES

First Name	Last Name	Phone	Email	Mailing Address
Cheryl	Souder	6067485063		
Kenneth	Souder		ksouder2013@yahoo.com	68 Souder Lane Flemingsburg KY 41041
Eugene	Schwartz	6068492136	codeman845@hotmail.com	938 Maddox Pike Flemingsburg KY 41041
Keith	Reeder	6065840056	keithreederab@hotmail.com	717 Mount Gillead Rd Maysville KY 41056
Anthony	Suarez	6062919718	a.suarez@mqsstructures.com	7990 Mt Carmel Road Flemingsburg KY 41041
Tim and Puala	Palmer	6068450022	n/a	164 Saunders Road Wallingford KY 41093
Eric	Carpenter	6068492188		1423 Carpenter Rd Wallingford KY 41093
Jim and Gerry	Kegley	6068492516	jimgerkeg@windstream.net	170 Black Diamond Rd Wallingford 41093
Kim	McKisson	6068450688		1375 Carpenter Rd. Wallingford 491093
John	Schwartz			1033 Foxport Road Wallingford ky 41093
Jacob	Schwartz			1033 Foxport Road Wallingford KY 4193
Jane	Mers	6067484697	janemers@windstream.net	7108 Mt. Carmel Road Flemingsburg KY 41041
Kevin	O'Cull	6063164226		808 Breeze Road Wallingford KY 41093
Willa and Randell	Meadows	6068492086	wmeadows@hotmail.com	785 Forport Rd Wallingford KY 41093
Terry	Earls	6068457721		470 Kendal Lane, Fleminsgburg KY 41041
Gwen	O'Cull	6063151418	gdocull@uky.edu	682 Breeze Road wallingford KY 41093
James	Price			

#### HUMMINGBIRD ENERGY COMMUNITY MEETING - MAY 24, 2022

#### LIST OF ATTENDEES

First Name	Last Name	Phone	Email	Mailing Address
Cheryl	Souder	6067485063		
Kenneth	Souder		ksouder2013@yahoo.com	68 Souder Lane Flemingsburg KY 41041
Eugene	Schwartz	6068492136	codeman845@hotmail.com	938 Maddox Pike Flemingsburg KY 41041
Keith	Reeder	6065840056	keithreederab@hotmail.com	717 Mount Gillead Rd Maysville KY 41056
Anthony	Suarez	6062919718	a.suarez@mqsstructures.com	7990 Mt Carmel Road Flemingsburg KY 41041
Tim and Puala	Palmer	6068450022	n/a	164 Saunders Road Wallingford KY 41093
Eric	Carpenter	6068492188		1423 Carpenter Rd Wallingford KY 41093
Jim and Gerry	Kegley	6068492516	jimgerkeg@windstream.net	170 Black Diamond Rd Wallingford 41093
Kim	McKisson	6068450688		1375 Carpenter Rd. Wallingford 491093
John	Schwartz			1033 Foxport Road Wallingford ky 41093
Jacob	Schwartz			1033 Foxport Road Wallingford KY 4193
Jane	Mers	6067484697	janemers@windstream.net	7108 Mt. Carmel Road Flemingsburg KY 41041
Kevin	O'Cull	6063164226		808 Breeze Road Wallingford KY 41093
Willa and Randell	Meadows	6068492086	wmeadows@hotmail.com	785 Forport Rd Wallingford KY 41093
Terry	Earls	6068457721		470 Kendal Lane, Fleminsgburg KY 41041
Gwen	O'Cull	6063151418	gdocull@uky.edu	682 Breeze Road wallingford KY 41093
James	Price			

#### **RONNIE EUGENE RICHMOND JR.**



Ronnie Eugene Richmond, Jr., 59, of Wallingford, passed away Sunday, May 8, 2022, at Fleming County Hospital.

Born in Defiance, Ohio on March 19, 1963, he was the son of the late Ronnie Eugene Richmond, Sr. and the late Mary Maxine Gorman Richmond.

Ronnie was a retired welder. He proudly served his country in the United States Army.

He is survived by his wife of 41 years, Rose Au Richmond; their children, Lisa (Todd) Minic of Fleming Island, Fla., Christy Richmond (Jaime) of Franklin, Felicia (Justin) Plymesser of Ewing; along with four grandchil-

dren, Michael, Addy, Callie, and Carper. Ronnie was blessed with Dessie, Curtis, Adam, Clayton, Zach, and Harley whom he loved as if they were his own. Ronnie is also survived by two of his siblings, Robin (Todd) Pottmeyer and Connie (Tim) Anderson, several aunts, uncles, cousins, nieces and nephews.

In addition to his parents, Ronnie was preceded in death by his brother, Gregory Allen Richmond.

The funeral service will begin at 1 p.m., Thursday, May 12, 2022, at Boone-Nickell Funeral Home with Bro. Layne Wagner officiating.

Visitation will be 11 a.m., until the hour of service at 1 p.m., Thursday, at Boone-Nickell.

In place of flowers, please consider a contribution in memory of Ronnie to the Cancer Care Club (P O Box 189, Flemingsburg, KY 41041).

Friends may offer online condolences at www. boonenickellfuneralhome.



Stanley Russell Hutsell, 76, of Flemingsburg, passed away Saturday, May 7, 2022, at the Hospice of Hope Care Center in Maysville.

Born in Bourbon County on May 4, 1946, he was the son of the late Albert Warren Hutsell and the late Mary Gladys Kenney.

Stanley was a retired truck driver. He had worked for Lextran as a bus driver for 20 plus years, Alvin Haynes Construction for 14 years, and Graham Lumber Company for one and a half years. He was a member of Mount Zion Missionary Baptist Church and had attended First African Baptist Church in Lexington. He loved UK sports and fishing. He was a jokester who loved traveling and spending time with his family.

Stanley is survived by his wife of seven years, Juanita Bolden Hutsell; his children, Jessie Hutsell of Lexington, James Marks of Seattle, Wash., Lloyd Carter of Lex-

#### ington and several stepdaughters; several grandchildren, great grandchildren, and great-great grandchildren He is also survived by six of his siblings, Johnny Hutsell of Lexington, David Hutsell of Lexington, Mike Hutsell of Hamden, Conn., Alfonso Kenney of Cynthiana, Henry Kenney of Richmond, and Gwendlyn Jones of Lexington.

In addition to his parents, Stanley was preceded in death by his son, Stanley Hutsell; and four of his siblings, James Hutsell, Herman Hutsell, Jerry Wayne Kenney, and Milton Kenney.

The funeral service will begin at 1 p.m., Saturday, May 14, 2022, at the Flemingsburg Baptist Church with Pastor Terrell Clark officiating.

Visitation will be 12 p.m., until the hour of service at 1 p.m., Saturday, at the church located at 1856 Elizaville Rd., Flemingsburg.

In place of flowers, please consider a contribution in memory of Stanley to Hospice of Hope (909 Kenton Point Drive, Maysville, KY 41056) and/or Mount Zion Missionary Baptist Church (550 Mount Carmel Avenue, Flemingsburg, KY 41041).

Friends may offer online condolences at http://www. boonenickellfuneralhome. com

#### LINDA GAIL SPARKS



Linda Gail Sparks, 71, of Hudson, FL, passed away Tuesday, May 3, 2022, at Christian Assisted Living of Johnson City in Johnson City, TN.

Born on February 22, 1951, in Muses Mill, she was a daughter of the late Alfred and Maymie Crawford Sparks.

Linda enjoyed her flowers and collectibles. Her love for gospel music ran deep. Her fondest memories were singing in church.

She is survived by daughters, Pam Wagner and husband Bill of Gray, TN and April Hill and husband Ricky of Jonesborough, TN; her grandson, Justin Drew Davidson and wife Logan of Raleigh, NC; her great grandson, Everett Conway Davidson. She is also survived by her brothers, James Sparks and wife Lou, Alfred Sparks, Jr. and wife Brenda, and Michael Sparks and wife Toni; and her sister, Rachel Smith. In addition to her par-

ents, Linda was preceded in death by her daughter, Bobbie Renee Stanfield; siblings, Janet Sparks Mitchell, Jewel Sparks Willis, Bonnie Sparks, and Phillip Sparks; as well as infant siblings, Franklin and Shirley.

Funeral services will be at 12:00 p.m., Saturday, May 7, 2022, at Boone-Nickell Fu-

neral Home.

PUBLIC NOTICE FLEMING COUNTY FISCAL COURT Fiscal Year 2022-2023

The second reading and adoption of the Fleming County Fiscal Court proposed budget ordinance for the fiscal year, is scheduled to be held at the date, time and location listed below Date: 05/20/2022

Time: 07:30 am Location: FLEMING COUNTY COURTHOUSE

#### BUDGET SUMMARY

AN ORDINANCE Relating to the Annual Budget and Appropriations. BE IT ORDAINED by the Fleming County Fiscal Court, Kentucky: WHEREAS, the proposed budget was tentatively approved by the Fleming County Fiscal Court, and approved as to form and classification by the State Local Finance Officer, on the dates listed below: Approval by the Fiscal Court: 04/27/2022

CENEDAL ELIND

Approved by State Local Finance Officer 05/04/2022

SECTION ONE. The following budget is adopted for the fiscal year specified herein, and the amounts stated are appropriated for the purposes indicated.

	GENERAL FUND	
5000	GENERAL GOVERNMENT	1,183,268.99
5100	PROTECTION TO PERSONS AND PROPERTY	100,293.80
5200	GENERAL HEALTH AND SANITATION	38,044.70
5300	SOCIAL SERVICES	14,000.00
5400	RECREATION & CULTURE	39,313.13
6200	AIRPORTS	20,000.00
9100	GENERAL SERVICES	502,550.00
9200	CONTINGENT APPROPRIATIONS	121,242.86
9400	FRINGE BENEFITS- EMPLOYERS SHARE Total	671,742.00 2,690,455.48
	Iotai	2,090,455.48
	ROAD FUND	
6000	TRANSPORTATION FACILITIES AND SERVICE	ES 10,000.00
6100	ROADS	2,137,852.64
7700	LEASES	11,102.08
9100	GENERAL SERVICES	42,956.00
9200	CONTINGENT APPROPRIATIONS	157,340.20
9300	TRANSFERS TO OTHER FUNDS	
9400	FRINGE BENEFITS- EMPLOYERS SHARE	270,243.00
	Total	2,629,493.92
51000	JAIL FUND PROTECTION TO PERSONS AND PROPERTY	622 331 52
9100 9100	GENERAL SERVICES	3000.00
9200	CONTINGENT APPROPRIATIONS	24,216.00
9300	TRANSFERS TO OTHER FUNDS	21,210.00
9400	FRINGE BENEFITS- EMPLOYERS SHARE	53,664.00
	Total	703,211.52
	LOCAL GOVERNMENT ECONOMIC ASSISTANC	CE FUND
6100	ROADS	10,000.00
9200	CONTINGENT APPROPRIATIONS	55,320.00
	Total	65,320.00
	FOREST FIRE REOTESTION FUND	
5100	FOREST FIRE PROTECTION FUND PROTECTION TO PERSONS AND PROPERTY	1 490 00
9200	CONTINGENT APPROPRIATIONS	1,480.00
9200	Total	1,480.00
		-,
	CDBG	
5000	GENERAL GOVERNMENT	1,750,000.00
9200	CONTINGENT APPROPRIATIONS	1,157,300.00
	Total	2,907,300.00
5100	DISPATCH FUND	505 170 00
5100 9100	PROTECTION TO PERSONS AND PROPERTY GENERAL SERVICES	505,179.00 100.00
9200	CONTINGENT APPROPRIATIONS	204,164.00
9300	TRANSFERS TO OTHER FUNDS	204,104.00
9400	FRINGE BENEFITS- EMPLOYERS SHARE	114,765.00
	Total	824,208.00
	COUNTY CLERK STORAGE FEES	
5000	GENERAL GOVERNMENT	30,000.00
	Total	30,000.00
	AMERICAN RECOULT DI ANI ACT	
5000	AMERICAN RESCUE PLAN ACT GENERAL GOVERNMENT	2 500 00
9100	GENERAL GOVERNMENT GENERAL SERVICES	2,500.00 250,000.00
9200	CONTINGENT APPROPRIATIONS	737,930.62
9300	TRANSFERS TO OTHER FUNDS	757,950.02
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Total	990,430.62
	CAPITAL IMPROVEMENT FUND	
5000	GENERAL GOVERNMENT	6,000.00
8000	CAPITAL PROJECTS	10,000.00
9100	GENERAL SERVICES	50.00
9200	CONTINGENT APPROPRIATIONS	311,505.92
	CONTINGENT APPROPRIATIONS Total	327,555.92
	CONTINGENT APPROPRIATIONS	

SECTION TWO. This ordinance shall be published in the FLEMINGSBURG GA-ZETTE by title and summary within thirty (30) days following adoption

SECTION THREE. This ordinance becomes effective upon passage and publica-

NOTICE OF AVAILABILITY All interested pers ed that a copy of the

## AUTO MART \$900 off

**RALPH'S** 

expires June 1, 2022

Located by the Family Dollar in Carlisle.

#### 859-473-5227

#### PUBLIC NOTICE

HUMMINGBIRD ENERGY LLC is proposing to develop and construct an approximately 200-megawatt solar electric generating and battery energy storage facility to be located on Carpenter Road in Fleming County, Kentucky. The public is invited to learn more about the Project through the Project website and an in-person public information meeting.

The Project website includes information about the size and location of the proposed Project and the anticipated economic impact. Information on an upcoming meeting is also included

The website can be accessed at: https://recurrentenergy.com/project/hummingbird/. Additionally, you may email questions to Hummingbird@recurrentenergy.com. A public information meeting will be held to provide information about the Project, with Project representatives available to answer questions from the community.

The public meeting will be held on May 24th at 11 AM to 2 PM and 4 PM to 7 PM, at the Mount Carmel Fire Department (144 Foxport Rd, Wallingford, KY 41093). Two sessions are scheduled to accommodate people's varied schedules, the content presented will be the same at both meetings.

Published in the Flemingsburg Gazette 05.11.22 and 05.18.22

#### NOTICE

Notice is hereby given that in an April 29, 2022, Application, Kentucky Utilities Company ("KU") is seeking approval by the Kentucky Public Service Commission, Frankfort, Kentucky of an adjustment of Demand-Side Management ("DSM") Cost Recovery Component ("DSMRC") charges proposed to become effective on and after May 29, 2022.

The proposed changes, if approved, will result in changes to the DSMRC rates calculated per kWh under the DSM tariff for all affected electric rate classes as follows:

Rates: GS, GTOD-Energy, GTOD-Demand	Current \$ 0.00055	Proposed \$ 0.00062
AES	\$ 0.00323	\$ 0.00363
PS, TODS, TODP, RTS, FLS, OSL	\$ 0.00067	\$ 0.00079

The estimated amount of the annual change and the average monthly bill to which the proposed DSMRC charges will apply for each affected electric customer class are as follows:

Electric Rate Class*	Average Monthly Usuage (kWh)	Annual \$ Increase	Annual % Increase	Average Monthly Bill \$ Increase
General Service GTOD-Energy	1,677 No customers on this rate	113,728	18.9	0.12 NA
GTOD-Demand	No customers on this rate			NA
All Electric School	25,242	49,930	54.1	10.10
Power Service	32,604	-		3.91
TODS (Secondary) TODP (Primary)	195,802 679,421	1		23.50 81.53
Retail Transmission	2,130,792	529.806	40.5	255.70
Fluctuating Load	No customers on this rate			NA
Outdoor Sports Lighting Service	7,297			0.88

The information in the above table does not include industrial customers that have elected to not participate in the DSM program.

Complete copies of the proposed tariffs containing proposed rates may be obtained by submitting a written request by mail to Kentucky Utilities Company, ATTN: Rates Department at P.O. Box 32010, Louisville, Kentucky, 40232, or by visiting KU's website at www.lge-ku.com/our-company/regulatory.

A person may examine this application at the offices of KU located at One Quality Street, Lexington, Kentucky, and at KU's website at www.lge-ku.com. A person may also examine this application at the Public Service Commission's offices located at 211 Sower Boulevard, Frankfort, Kentucky, Monday through Friday, 8:00 a.m. to 4:30 p.m., or through the commission's Web site at http://psc.ky.gov.

Comments regarding the application may be submitted to the Public Service Commission, by mail to Public Service Commission, Post Office Box 615, Frankfort, Kentucky 40602, or by email to psc.info@ky.gov. All comments should reference Case No. 2022-00123.

The rates contained in this notice are the rates proposed by KU, but the Public Service Commission may order rates to be charged that differ from the proposed rates contained in this notice. A person may submit a timely written request for intervention to the Public Service Commission, Post Office Box 615, Frankfort, Kentucky 40602, establishing the grounds for the request including the status and interest of the party. If the Commission does not receive a written request for intervention within thirty (30) days of initial publication or mailing of the notice, the Commission may take final action on the application.

Linda will be laid to rest beside her daughter Bobbie in Muse Family Cemetery.

Visitation will be after 11 a.m., Saturday, at the funeral home.

Friends may sign the online guestbook at www. boonenickellfuneralhome. com

Fleming County proposed budget in full is available for public inspection at the office of the County Judge/Executive during normal business hours.

This advertisement was paid for by the Fleming County Fiscal Court using tax dollars in the amount of \$208

Published in the Flemingsburg Gazette 05.11.22



The Betty Lou Tackett Estate from Lexington, KY and featuring something for everyone. 2007 Toyota Camry LE with 240,000 miles, A Bow Front Antique China Cabinet to a Oak Roll Top Computer Desk, Ethan Allen Old Tavern Pine Chest to a Antique Golden Oak Sideboard, Fashion Jewelry with Sterling Silver and 14KT Gold to a Lenovo Ideapad and Dell Chrome Book, original oil on canvas to Paul Sawyier framed prints and 37 packed shelves of misc. household items.

We will also be selling form Doris Brownfield of Falmouth, KY 1981 Massey Ferguson MF 255 with 4,008 hrs. Shaver Hydraulic post driver and 3 pt hitch spreader.



#### PICK<u>UP FRIDAY MAY 20TH 9AM TO 6PM</u> <u>& SATURDY MAY 21ST 9AM TO NOON</u>

#### Good Luck Bidding!!!

TERMS: 10% Buyers Premium, 6% sales tax and all payments must be made by CRED-IT CARD. For additional information and pickup terms visit our web site.



Horn's Real Estate & Auctioneering 317 S. Church Street Cynthiana, KY 41031 859-234-5524 / 859-588-3452 William R. Horn Realtor / Auctioneer



**Sheri Wheary awarded** 

the 2022 Fleming County

**Hospital DAISY Award for** 

**Extraordinary Nurses** 

## COMMUNITY

## Flemingsburg Wastewater Plant Receives State Award



Pictured at the plant, left to right : Rob Applegate, Public Works Director Joe Dunaway, Mayor Bobby Money, Chief Plant Operator David Shrout, Raymond Pollitt, Trevor Jones and Mike McIntosh

The City of Flemingsburg Wastewater Treatment Plant has recently been presented the 2021 "Outstanding Wastewater Treatment Plant Award for the Eastern District of Kentucky. The award was presented by the Eastern Kentucky Wastewater Operators Association (EKWWOA). The award covers all treatment facilities located in Eastern Kentucky. The plant is now entered in the contest for best plant statewide. It is an impressive distinction. The City is immensely proud of all the employees who contributed to this award through their hard work and dedication.

## **NOW HIRING**

**Outstanding** Wastewater Treatment Plant Award Presented Flemingsburg Waste Water Treatment Plant for Outstanding Wastewater Treatment Operations 2021

Fleming County Hospital proudly announces Sheri Wheary, RN, as a DAISY Award recipient. The DAISY Award for Extraordinary Nurses recognizes individual nurses throughout the year for their extraordinary, compassionate care. The DAISY (Diseases Attacking the Immune System) Award is an international recognition program that honors and celebrates the skillful, compassionate care nurses provide every day.

The DAISY Foundation was created in 1999 by the family of J. Patrick Barnes who died at age 33 of complications of an auto-immune disease (hence the name, an acronym for Diseases Attacking the Immune System.) Patrick received extraordinary care from his nurses, and his family felt compelled to express their profound gratitude for the compassion and skill nurses bring to patients and families every day. The DAISY Award celebrates nurses in over 4,000 healthcare facilities and schools of nursing around the world. At Fleming County Hospital, DAISY Award honorees personify remarkable patient experience. These nurses consistently demonstrate excellence through their clinical expertise and extraordinary compassionate care. They are recognized as outstanding role models in our nursing community. Sheri was nominated along with Melinda Sparks and Alexandria Carrizalez.

'Nursing is not only a profession, it's a calling," said Christina Buckler, Director of Nursing for Fleming County Hospital. "It's important that our nurses know their work is highly valued, and The DAISY Foundation provides another way for us to do that. Sheri goes above and beyond for her patients and is well deserving of this recognition." If you or someone you know would like to submit a Fleming County Hospital DAISY Award nomination, go to www. flemingcountyhospital. org/for-patients-and-visitors/daisv-award. For more information about The DAISY Award and the Foundation's other recognition of nurses, faculty, and students, visit www.DAISYfoundation.org.

P.I.C.I. is now hiring for the following positions:

Production Employees \$14-\$18.25/hr.

Industrial Cleaning Starting at \$16/hr.

Contact P.I.C.I. at 859-289-7639 to apply.

#### PUBLIC NOTICE

HUMMINGBIRD ENERGY LLC is proposing to develop and construct an approximately 200-megawatt solar electric generating and battery energy storage facility to be located on Carpenter Road in Fleming County, Kentucky. The public is invited to learn more about the Project through the Project website and an in-person public information meeting.

The Project website includes information about the size and location of the proposed Project and the anticipated economic impact. Information on an upcoming meeting is also included.

The website can be accessed at: https://recurrentenergy.com/project/hummingbird/. Additionally, you may email questions to Hummingbird@recurrentenergy.com. A public information meeting will be held to provide information about the Project, with Project representatives available to answer questions from the community.

The public meeting will be held on May 24th at 11 AM to 2 PM and 4 PM to 7 PM, at the Mount Carmel Fire Department (144 Foxport Rd, Wallingford, KY 41093). Two sessions are scheduled to accommodate people's varied schedules, the content presented will be the same at both meetings.

Published in the Flemingsburg Gazette 05.11.22 and 05.18.22

## FOR SALE:

Straw bales

#### Timothy hay horse bales

4X5 round rolls net wrapped

#### Shed kept

20ft Cattle Hauler for Sale. New bed, electric & tires

859-948-4376



#### **Collecting Donations**

The Wallingford Cemetery Board would like the public to know that we will be collecting donations to go toward the care of the cemetery during Memorial Day weekend.

Please see one of our board members to donate during that time. If you would like to send a donation by mail, please send to Ray Hitch at: 1289 Wallingford Road, Flemingsburg, KY 41041.

Contact Jim Bradley at 606-748-8497 or Ray Hitch at 606 748-8014 with any questions or cemetery issues.

Thank you, Cindy Rhodes



**606-845-9211** 115 S. Main Cross St. P.O. Box 32 Flemingsburg, KY 41041

Advertising Petrea Allison 859-473-2137 petrea@kynewsgroup.com

**Reporting** Charles Mattox charles@kynewsgroup.com

Subscriptions/Classifieds/Obituaries Monica Wallingford monica@kynewsgroup.com

## Notice

The Goddard Cemetery has begun our mowing season. The price of gas is very high, so we are asking for your donations again this year.

There will be someone at the cemetery during the Memorial Day weekend or you can send your donation to:

> Bernice Plummer 1905 Craintown Rd. Ewing, KY 41039





Dear Neighbor,

Hummingbird Energy LLC is proposing to develop and construct an approximately 200-megawatt solar electric generating facility to be located Fleming County, Kentucky. The proposed solar project will be situated on approximately 2,106 acres and will consist of photovoltaic panels and their associated racking systems, inverters, collection system, transmission line, project substation and other project equipment. The project transmission line will be located entirely within the project's footprint.

Hummingbird Energy LLC is required to file an application with the Kentucky Electric Generation and Transmission Siting Board ("Board") to obtain a certificate for the construction of the proposed electric generating facility and transmission line. This filing will occur in the coming weeks. This proposed construction is subject to approval by the Board, which can be reached at P.O. Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602-0615, or via phone at (502) 564-3940.

Please feel free to contact us if you have any questions.

Best regards,

fayer buren

Jayce Walker Director, Development

Phone: (859) 694-2777 Email: Hummingbird@RecurrentEnergy.com Company Website: www.recurrentenergy.com Project Website: recurrentenergy.com/hummingbird

Name	Tracking Number	Address2	City	State	Zip	Delivery Date
APPLEGATE FREDDY ESTATE	7777 6408 2169	695 FOXPORT RD	WALLINGFORD	KY	41093	Not delivered. House is abandoned 09.02.2022 Fed Ex returned envelope
APPLEGATE VERA LUCILLE ESTATE	7777 6459 3869	178 FOXPORT RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
ARTHUR RUSSELL F & MARJORIE	7777 6461 3360	960 MADDOX PIKE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
BALLARD JAMES S & ASHLEY BALLARD JAMES S & ASHLEY	7777 6463 1462	267 BEECH SPRINGS DR 267 BEECH SPRINGS DR	FLEMINGSBURG FLEMINGSBURG	KY KY	41041 41041	Delivered 08.28.2022
BECKETT BILL & MONA C	7777 6469 7363	1031 FOXPORT RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
BEDORE RITA SCURRY & GREGORY G	7777 6473 5118	1622 WILSON RUN RD	WALLINGFORD	KY	41093-	
BORDERS TERRY JOE &	7777 6477 9492	6350 BLOSSOM PARK DR	WEST CARROLLTON	OH	45449	Delivered 08.30.2022
BREWER SHIRLEY ESTATE	7777 6481 3539	1412 MADDOX PIKE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
CASKEY LLOYD JR & ANNA RUTH	7777 6485 8980	5338 RAYMOND RD	MAYSLICK	KY	41055	Delivered 08.29.2022
CAUDILL HELEN L	7777 6488 5961	1151 BLACK DIAMOND RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
CAUDILL SHARON D CAUDILL SHARON D	7777 6491 4550	3149 BEECHTREE PK 3149 BEECHTREE PK	WALLINGFORD	KY KY	41093 41093	Delivered 08.28.2022
CAUDILL SHARON D COBLENTZ TIMOTHY & DEBORAH Y	7777 6495 6773	3149 BEECHTREE PK 1591 MADDOX PIKE	WALLINGFORD	KY KY	41093 41041	Delivered 08.28.2022
COLGAN CHARLES & PATRICIA	7777 7336 1027	1208 BEECHTREE PIKE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
COLGAN PATRICIA R	7777 7338 1750	1208 BEECHTREE RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
COLGAN WILLIAM A & GILBERTA	7777 7347 5953	1305 BEECH TREE RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
CONN JOSHUA CODY & JENNIFER GRAY	7777 6508 8428	742 FOXPORT RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
CONN LOUIS & CANDACE D	7777 6513 3240	343 BEECH SPRINGS DR	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
CONRAD ELIZABETH J	7777 6516 4423	5764 MT CARMEL RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
COX AMANDA LACHELLE	7777 6519 1530	808 MADDOX PIKE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
CRAYCRAFT KEVIN D	7777 6521 8563	67 BEECH SPRINGS DR	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
CRUMP RICKY R & LISA M	7777 6524 6450	2489 CARPENTER RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
DILLON JAMES BROOKS	7777 6527 2861	584 MURPHY LANE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
DOYLE HAZEL L	7777 6534 7390	1319 WILSON RUN RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
DOYLE WILLIAM DALLAS & TERESA J	7777 6537 5297	8051 SHELBY STREET	MAYSVILLE	KY	41056	Delivered 08.28.2022
DOYLE WILLIAM H & DAISY	7777 6540 4790	2844 BLACK DIAMOND RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
EARLS WENDELL LANE & JUDY L &	7777 6543 8571	864 MADDOX PIKE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
EICHER DANIEL & BARBARA	7777 6547 5370	380 JOHN LANE		KY	41093	Delivered 08.28.2022
ESH DANIEL B & CAROLINE	7777 6550 5653	1496 CARPENTER RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
ESH LEON D & NANCY Z	7777 6554 6778	1199 CARPENTER RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
FEARIN CATHY	7777 6557 7755	1412 MADDOX PIKE	FLEMINGSBURG	KY	41041-	Delivered 08.28.2022
FEARIN STEPHEN G	7777 6573 8087	1983 BEECHBURG RD	WALLINGFORD	KY	41093-	Delivered 08.30.2022
FOXWORTHY GEORGE ELMER REVOCABLE	7777 6571 7126	95 FOXPORT RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
GALBREATH JAMES THOMAS	7777 6576 8436	1278 BEECHTREE PIKE	FLEMINGSBURG	KY	41041	Delivered 08.31.2022
GARDNER DWIGHT M & SHERRI L	7777 6579 0287	526 CARPENTER RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
GARRETT FRED B & THERESA L	7777 6581 1109	1830 BLACK DIAMOND RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
GILKERSON MAX D & MARY F	7777 6583 2541	4694 MT CARMEL RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
GILLIAM ZACHARY R & BRITTANY	7777 6608 7038	410 MURPHY LN	FLEMINGSBURG	KY	41041	Delivered 09.01.2022
GOODING LINDA ESTATE	Sent via Certified Mail 70051160000027212112	P O BOX 64	FLEMINGSBURG	KY	41041	Delivered 08.29.2022
GRABER AMOS J & MARY E	7777 6618 8324	125 HILLSIDE DRIVE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
GRABER EMANUEL & ADA	7777 6623 5210	543A THOMAS LN		KY	41189	Delivered 08.29.2022
GRABER JOSEPH JOHN & BETTY	7777 6700 2610	4508 BLUE RIDGE RD	CHARLESTOWN	IN	47111	Delivered 08.29.2022
GRABER MATTHEW E & MIRIAM	7777 6709 8785	162 GARRETT DR	WALLINGFORD	KY	41093-	Delivered 08.28.2022
GRAHAM ALBERT W & CYNTHIA A	7777 6711 1889	574 LAKESIDE DRIVE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
HARMON JEFF A & MABLE RUTH COOPER	7777 6728 9098	139 BEECHSPRINGS DR	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
HARMON JEFFREY A JR & TERRI LOWE	7777 6714 9551	342 BEECH SPRINGS DR	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
HARVEY JOSEPH HARVEY JOSEPH	7777 6718 3785	2111 WILSON RUN RD 2111 WILSON RUN RD	WALLINGFORD WALLINGFORD	KY KY	41041 41041	Delivered 08.28.2022
HAWKINS AMANDA MEADOWS	7777 6719 5930	230 MURPHY LANE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
HELMUTH ERNEST E & VIRGINIA	7777 6721 1425	1317 CARPENTER RD	WALLINGFORD	KY	41093	
HICKERSON TIMOTHY N	7777 6722 1838	1368 CARPENTER ROAD	WALLINGFORD	KY	41093	Delivered 08.28.2022
HILL MICHAEL TERRENCE	7777 6723 2412	380 MADDOX PIKE		KY	41041	Delivered 08.28.2022
HIMES HAROLD D & WANDA	7777 6724 2906	3779 WALLINGFORD RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
HOLLAND THOMAS	7777 6725 4472	1297 MADDOX PIKE		KY	41041	Delivered 08.28.2022
HUMPHRIES STEVEN W & SHARON	7777 7372 5578	1052 POPLAR GROVE RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
HUMPHRIES STEVEN W & SHARON JOHNSON KENNETH E &	7777 7159 2224	1052 POPLAR GROVE RD 6344 MT CARMEL RD	FLEMINGSBURG FLEMINGSBURG	KY KY	41041 41041	Delivered 08.28.2022
JONES KIMBERELY D JONES KIMBERELY D	7777 7380 3819	205 SHADY BROOK LANE 205 SHADY BROOK LANE	MT STERLING MT STERLING	KY KY	40353- 40353-	Delivered 08.28.2022
JONES KIMBERLY & MARK LOWE	7777 7381 8844	205 SHADY BROOK DR	MT STERLING	KY	40353	Delivered 08.28.2022
KAENZIG STEPHEN E	7777 7175 0900	2569 MT CARMEL RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
KEARNS CANDACE N & ERIC L	7777 7177 0913	168 TAYLOR MILL RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
KEGLEY ELWOOD H	7777 7178 7183	1558 CARPENTER RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
KEGLEY JIMMIE D & GERALDINE V KEGLEY JIMMIE D & GERALDINE V	7777 7179 4575	170 BLACK DIAMOND RD 170 BLACK DIAMOND RD	WALLINGFORD WALLINGFORD	KY KY	41093 41093	Delivered 08.28.2022
LAMAR JESSICA L	7777 7180 3941	488 MADDOX PIKE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
LENGACHER JOSEPH & ARLENE &	7777 7181 6117	6961 MT CARMEL RD	FLEMINGSBURG	KY	41041	
LENGACHER JOSEPH E & ARLENE E &	7777 7181 6117	6961 MT CARMEL ROAD	FLEMINGSBURG	KY	41041	Delivered 09.03.2022
LENGACHER MARVIN & VIOLET	7777 7182 6460	767 BEECHBURG ROAD		KY	41041	Delivered 08.28.2022
LEWIS PAUL H TRUST LINDBERG DAVID J & MARY A	7777 7183 8729 7777 7185 6544	1718 MAGNOLIA DR 456 MADDOX PIKE	GREENWOOD FLEMINGSBURG	IN	46143-	Delivered 08.31.2022 Delivered 08.28.2022
LUNSFORD ROBERT WAYNE	7777 7186 5240	1957 WILSON RUN RD	WALLINGFORD	KY KY	41041 41093	Delivered 08.28.2022
MARSHALL CHARLES R MARSHALL CHARLES R	7777 7201 9420	994 CARPENTER ROAD 994 CARPENTER ROAD	WALLINGFORD WALLINGFORD	KY KY	41093 41093-9730	Delivered 08.28.2022
MARSHALL CHARLES R MARSHALL CHARLES R & PHILLIP W	7777 7203 2060	994 CARPENTER ROAD 994 CARPENTER RD	WALLINGFORD WALLINGFORD	KY KY	41093-9730 41093	Delivered 08.28.2022
MARSHALL PHILLIP W & RENEE C MARSHALL PHILLIP W & RENEE C	7777 7204 2347	852 CARPENTER RD 852 CARPENTER RD	WALLINGFORD WALLINGFORD	KY KY	41093 41093	Delivered 08.28.2022
MARSHALL PHILLIP W & RENEE C MARSHALL PHILLIP W & RENEE C		852 CARPENTER RD 852 CARPENTER RD	WALLINGFORD WALLINGFORD	KY KY	41093 41093	
MAY JULIUS R & RAMONA	7777 7205 3149	875 FOXPORT RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
MAZELIN JACOB C	7777 7205 9662	2148 WILSON RUN RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
MCCLEESE VANESSA K	7777 7212 5690	149 BEECH SPRINGS DR	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
MCKISSON DOUGLAS & KIM	7777 7218 7058	1375 CARPENTER RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
MEADOWS KENTON L	7777 7222 7950	7170 MT CARMEL RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
MEADOWS RANDALL & WILLA L	7777 7225 3214	785 FOXPORT RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
MEADOWS RANDALL & WILLA L MERS ELIZABETH JANE	7777 7226 5284	785 FOXPORT RD 7108 MT CARMEL RD	WALLINGFORD	KY KY	41093 41041	Delivered 08.28.2022
MERS ELIZABETH JANE MERS KENNETH C & NANCIE HOPE	7777 7227 5995	7108 MT CARMEL RD 338 SAUNDERS RD	FLEMINGSBURG	KY KY	41041 41093	Delivered 08.28.2022
MERS MATTHEW K	7777 7228 6558	2497 BLACK DIAMOND RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
MIK, LEE ANN	7777 7229 4291	1240 CARPENTER RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
MINEER KAREN S	7777 7233 1267	521 JM CLARY RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
MINEER RUBY MINEER RUBY	7777 7235 8723	502 SAUNDERS RD 502 SAUNDERS RD	WALLINGFORD	KY KY	41093 41093	Delivered 08.28.2022
MORAN BRIAN K	7777 7237 8611	44 BEECH SPRINGS DR	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
MORRIS ANGELA PERKINS	7777 7240 4440	84 MADDOX PIKE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
MT CARMEL BIBLE FELLOWSHIP	7777 7245 8792	1061 CARPENTER RD	WALLINGFORD	KY	41093	Delivered 08.29.2022
MT CARMEL CHRISTIAN CHURCH	7777 7243 9396	55 POPLAR GROVE RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
NORTON MICHAEL D & SARAH	7777 7247 1046	1131 CARPENTER RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
PALMER ROBERT TIM	7777 7248 0198	164 SAUNDERS RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
PALMER ROBERT TIM & PAULA PALMER ROBERT TIM & PAULA	7777 7248 5720	164 SAUNDERS RD 164 SAUNDERS RD	WALLINGFORD WALLINGFORD	KY KY	41093 41093	Delivered 08.28.2022
PALMER ROBERT TIM & PAULA PEACHEY BEN & JUDY	7777 7249 7219	164 SAUNDERS RD 1175 MADDOX PIKE	WALLINGFORD	KY	41093 41041	
PEACHEY BEN & JUDY		1175 MADDOX PIKE	FLEMINGSBURG	KY KY	41041	
PRATER ROBERT E & KIM	7777 7250 7393	2229 BEECHBURG RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
RATLIFF JACOB & LELA	7777 7252 3183	235 FOXPORT RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
REEDER KEITH REEDER KEITH	7777 7253 0428	7107 MT GILEAD RD 7107 MT GILEAD RD	MAYSVILLE MAYSVILLE	KY KY	41056 41056	Delivered 08.28.2022
REEDER WILLIAM KEITH ETALS	7777 7255 6266	811 WHIRLAWAY CIRCLE	KNOXVILLE	TN	37923	Delivered 08.30.2022
REID ANTHONY K & PATRICIA	7777 7257 9337	1296 POPLAR GROVE RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
REID EILEEN HEIRS	7777 7259 0375	1230 POPLAR GROVE RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
REID JASON A & SHAUNA	7777 7260 3200	1380 POPLAR GROVE RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
RIPATO BETTY LOU ESTATE	Sent via Certified Mail 70202450000096682355	PO BOX 204	TOLLESBORO	KY	41189	Delivered 08.29.2022
RIPATO ROBERT D & RHONDA R	7777 7262 0625	2090 CARPENTER ROAD		KY	41093-	Delivered 08.28.2022
RIPATO ROBERT D & RHONDA R ROLPH FAMILY CEMETERY	7777 7263 9830	2090 CARPENTER ROAD R 1	WALLINGFORD	KY KY	41093- 41093	This is a cemetery and it did not get delivered. Fed Ex returned the envelope
RUCKER EMMALEN N SALYERS DONALD E & MARIA	7777 7265 0960 7777 7266 1614	2313 CARPENTER ROAD 1270 BEECHBURG RD	WALLINGFORD FLEMINGSBURG	KY KY	41093 41093 41041	Delivered 08.28.2022 Delivered 08.28.2022
SALYERS DONALD E & MARIA	7777 7267 2346	1270 BEECHBURG RD	FLEMINGSBURG	KY	41041	
SCHWARTZ DANIEL & SCHWARTZ EUGENE JR & CAROLYN	7777 7268 6982	697 MURRAY LANE 938 MADDOX PIKE	FLEMINGSBURG FLEMINGSBURG	KY KY	41041 41041 41002	Delivered 08.28.2022 Delivered 08.28.2022 Delivered 08.28.2022
SCHWARTZ JOHN R & ESTHER I	7777 7270 4849	1033 FOXPORT ROAD	WALLINGFORD	KY	41093	Delivered 08.28.2022

SCHWARTZ JONAS E & MARTHA	7777 7271 6658	131 SAUNDERS RD	WALLINGFORD	KY	41093-	Delivered 08.28.2022
SCHWARTZ JONAS E & MARTHA		131 SAUNDERS RD	WALLINGFORD	KY	41093-	
SCHWARTZ JONATHON & MARY	7777 7272 6501	1037 FOXPORT RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
SKAGGS THOMAS M & CHRISTIE L	7777 7274 2302	6582 MT CARMEL RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
SMITH LARRY & DONNA	7777 7276 1249	42 PRATER RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
SOULE STEVEN L	7777 7280 1452	256 BEECH SPRINGS DRIVE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
SPANN CHARLES A & NANCY A	7777 7281 6742	499 SAUNDERS RD	WALLINGFORD	KY	41093	Delivere 08.28.2022
SPENCER ROGER D & DIANE	7777 7283 7442	920 MADDOX PIKE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
SPENCER ROGER D & DIANE		920 MADDOX PIKE	FLEMINGSBURG	KY	41041	
STACY RICKIE	7777 7284 6035	197 BEECH SPRINGS DRIVE	FLEMINGSBURG	KY	41041-	Delivered 08.28.2022
STEELE WILLIAM M & MELINDA E	7777 7286 1804	1830 BLACK DIAMOND ROAD	WALLINGFORD	KY	41093	Delivered 08.28.2022
STRAUSBAUGH ROBERT & GINGER	7777 7287 3668	1608 MOCKINGBIRD HILL	FLEMINGSBURG	KY	41041-	Delivered 08.28.2022
STRODE GLORIA JEAN & BRUCE WAYNE	7777 7289 2284	4699 MT CARMEL ROAD	FLEMINGSBURG	KY	41041-	Delivered 08.28.2022
SUAREZ ANTHONY & ADA RUTH	7777 7290 7523	7990 MT CARMEL RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
SWIM RUSSELL D & MARILYN	7777 7291 9479	2234 CARPENTER RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
TRIPLE A FARM OF FLEMING COUNTY INC	7777 7293 8360	1594 POPLAR GROVE RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
TURNER GARY & GLENNA &	7777 7295 1107	13755 PEACH GROVE RD	CALIFORNIA	KY	41007	Delivered 08.28.2022
UTTERBACK DAVID L	7777 7296 5824	1645 BEECHTREE PIKE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
UTTERBACK DAVID L & MIRANDA	7777 7297 3204	1645 BEECHTREE PIKE	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
UTTERBACK JARROD D & JOHN A &	7777 7298 5230	332 J M CLARY RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
UTTERBACK JOHN A & LYLE B	7777 7300 1126	7506 MT CARMEL RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
UTTERBACK JOHN A & TAMMY	7777 7301 3623	7506 MT CARMEL RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
UTTERBACK WILLA	7777 7302 8236	5430 MT CARMEL RD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
WATSON MONICA R & MICHAEL L	7777 7303 9597	341 BEECH SPRINGS DRIVE	FLEMINGSBURG	KY	41041-	Delivered 08.28.2022
WHITE SAMUEL D & DEBRA	7777 7304 9072	8778 MT CARMEL ROAD	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
WILLIAMS ADRIAN T & SHIRLEY	7777 7306 1783	1833 BEECHBURG RD	WALLINGFORD	KY	41093	Delivered 08.28.2022
WILLIAMS ADRIAN T & SHIRLEY		1833 BEECHBURG RD	WALLINGFORD	KY	41093	
WILLIAMS ADRIAN T & SHIRLEY		1833 BEECHBURG RD	WALLINGFORD	KY	41093	
WILLIAMS KIALE BRETT	7777 7307 4393	169 BEECH SPRINGS DR	FLEMINGSBURG	KY	41041	Delivered 08.28.2022
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WILLS CHARLES R	7777 7311 1564	2348 WILSON RUN RD	WALLINGFORD	KY	41093	Delivered 08.28.2022

FINAL Tracking numbers for G Dutton mailing August 2022 (hummingbird) - 4860-9661-3167.1 4853-3730-9493 v.1.xls





#### **OPINIONS** The opinion page does not reflect the views of the KyNewsGroup.



#### **Heaven Is A Lot Like Kentucky**

By Charles Mattox

"Colonel Daniel Boone didn't exceed five feet ten inches. He was a very well set and well-made man. His hair was reddish, sandy. His complexion was fair. High forehead and holloweyed, middling long nose and that bowed over and a good set of teeth. He was a man of remarkably pleasant temper, nothing appeared to ruffle his mind, or make him uneasy."

Josiah Collins, Draper Manuscripts, Volume 12 CC. Collins first arrived at Fort Boonesboro at the time Boone was held captive by the Shawnee. He and Boone, and members of Boone's family were friendly throughout their life. Collins was not involved in the siege as he was executing military duties elsewhere for the state at the time but he learned all of the details shortly afterward and it is from his deposition in the Draper Manuscripts where a great deal of information regarding this column and others was gleaned. Another excellent source, which includes some of Collins' information is taken from the Book: The Life of Daniel Boone from all the works of Draper as edited by Ted Franklin Belue, published in 1998.

What history hastaught me is humility. Man's life song, from pre-Sumer to now, teaches us how fragile we are, how little we know and how connected we are. Ted Franklin Belue, December 2021 at the age of 68.



As he prayed in earnest, with his hands shaking nearly beyond control, his gaze fell upon Capt. Daniel Boone who was reloading his musket as his daughter Jemima wrapped his bleeding head with a bandage.

The two men's eyes met momentarily, through a cloud of gun smoke, and Boone simply nodded toward him before turning, sighting his rifle, firing, and taking a second rifle from Jemima's hands as she reloaded the first.

Ambrose Coffee ended his prayer, clenched his jaw and climbed back up the ladder to the bastion once more.

Inside the fort was complete chaos. Dogs barked, women and children screamed as they attempted to assist in the defense, fearful that at any second the superior Shawnee enemy would overwhelm the defenses and storm into the fort.

ran wild and the cows trampled everything in sight as they jumped and ran in circles.

Squire Boone, one of Daniel's younger brothers, was trying to fire and reload as quickly as possible, but the intense pain from the bullet wound across his back, and shoulder he received during the scuffle at the treaty when the hostilities began, prevented him from being effective.

Squire's wife, Sarah Bryant Boone, a sister of Daniel' Boone's wife, was Squire's personal physician and surgeon, and she thought the wound was only slight, but Squire simply could not get his arm to work properly to load his musket and upon closer inspection it was discovered the Shawnee lead ball was lodged deep inside his right shoulder muscle mass that surrounds the shoulder blade. As Sarah held her husband down, Daniel took his knife and made a deep incision on Squire's shoulder and removed the bullet after no little effort. Squire was now effectively out of the game and was placed inside his cabin in bed. As Daniel and Horses neighed and Sarah left the cabin to

Squire insisted he be feet had been reached, no given his short handled water had yet been disax to lay beside him.

way. Not without a prop- though, but when he was er fight," he said. Daniel discovered, several of the nodded and placed the men threatened to throw ax beside his brother, large rocks on top of him then hastily exited the for his behavior. Finally, cabin.

Nearly all of the in- exchanged, a women and children re-

loaded extra muskets for the men. They also heated lead and poured additional ammunition into the molds to create new bullets, and when they weren't engaged in either of these activities, they took food and water to the marksmen stationed along each wall and bastion of the fort, who continuously kept the enemy combatants at a distance with their well-placed shots. Pemberton Rollins

was wounded in the arm and was also out of the game, though his muskets were still put to good use. The fighting force inside the fort was down to just over 40 and they faced over 400 enemy combatants.

Among fort's  $_{\mathrm{the}}$ inhabitants,was a Dutch potter named Mathias Prock, who was known simply as Tice.

Tice was a very industrious worker, but had no stomach for fighting. Colonel Calloway's wife found him cowering under his bed and sent him running with her broom.

Capt. Boone and several of the men had started digging a well in the center of the fort in previous weeks, and though

re-engage the enemy, a depth of over a dozen covered. It did provide a "I'll not go out this good hiding place for Tice after heated words were shovel habitants of the fort was tossed into the well showed uncommon brav- and Tice was told if he ery and courage. The wouldn't fight he would

surely have to dig. The dirt was soon flying from the well.

The enemy warriors and French Canadians set the flax fields, which surrounded the fort, on fire during the first night of the siege, and the inhabitants of Fort Boonesboro began to wonder just how much longer they could hold out.

To be continued.



Better Days Through Better Ways

Kentucky is known for many things, such as the horse capital of the world, colonel Sanders, and Ale-8, but did you know that Post-its were invented in Kentucky? Post-Its were introduced and invented in the year 1977, by Dr. Spencer Silver, who was a 3M scientist. When he made the post it he discovered the adhesive on the back of the post its, that while made the paper stick to things, did not allow it to bond completely to a surface. While his invention would later become a great tool for many of us today, at the time Dr. Silver struggled to find an actual use for his invention. It wasn't until another 3M scientist, Art Fry, was looking for something to mark his hymnal pages with

without damaging them

during choir practice. Fry was familiar with Dr. Silvers invention because of a seminar he had attended. The two 3M scientists partnered together to begin developing their product and used the Post-Its to leave messages for each other throughout their office. Art Fry and his partner then began distributing and provided employees of 3M with the little adhesive notes and the employees loved them. Post-Its were practically self-advertised with how often people would use them to leave notes for each other, and were an overnight success as a great tool in the office and at home ... and the entire thing was invented in Cynthiana, Kentucky, and that is where they are still being produced today.

The Fleming County Extension District's most recent audit and adopted budget can be viewed anytime on the Department for Local Government's Public Portal website. If you would like to view our most recent financial statement, please visit us at our home office located at 1384 Elizaville Rd, Flemingsburg, KY, during our normal office hours of 8:30am-5:00pm (closed noon-1pm for lunch). This ad was paid for by Fleming County Extension Office dollars." http://kydlgweb.ky.gov/ Per KRS 65A.080(2)

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Published in the Flemin



Ambrose Coffee had positioned himself atop one of the fort's bastions at Boonesboro to watch the peace negotiations and when the fighting began, he fired one shot and then lay flat on his stomach on the bastion's roof as many of the Shawnee fired at him, one of their seemingly singular clear targets.

Coffee was entirely exposed to enemy fire.

When Coffee finally flinched from a ricochet, his movement caused him to fall off the bastion and onto the ground.

He was not seriously injured from the fall and removed his hunting shirt and examined his body for wounds, just to make sure. He greedily guzzled down a large dipper of water and was dipping a second gourd in a wooden bucket carried by Keziah Calloway, one of Colonel Calloway's daughter's, who calmly asked about the red marks on his side and the holes she saw in his shirt.

"What holes?' Coffee asked.

"Looks like about a dozen of them," she said as she grabbed the pail of water and continued on to the other thirsty men, leaving the bewildered frontiersman alone with the ragged and torn remains of his shirt, as deafening rifle fire was heard within and all around the fort.

#### NOTICE OF APPLICATION HUMMINGBIRD ENERGY PROJECT

Hummingbird Energy LLC is proposing to develop and construct an approximately 200-megawatt solar electric generating facility to be located in Fleming County, Kentucky. The project will include a transmission line located entirely within the project's footprint. The proposed solar project will be situated on approximately 2,106 acres and will consist of photovoltaic panels and their associated racking systems, inverters, collection system, transmission line, and project substation. Hummingbird Energy LLC is required to file an application with the Kentucky Electric Generation and Transmission Siting Board ("Board") for construction and operation of the proposed electric generating facility and transmission line. This approval by the Board, which can be reached at P.O. Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602-0615, or via phone at (502) 564-3940. A person who wishes to become a party to a proceeding before the board may, by written motion filed no later than thirty (30) days after the application has been submitted, request leave to intervene. A party may, upon written motion filed no later than thirty (30) days after an application has been filed, request the board to schedule an evidentiary hearing at the offices of the Public Service Commission, 211 Sower Boulevard, Frankfort Kentucky. A request for a local public hearing or local public information meeting shall be made by at least three (3) interested persons who reside in the county or municipal corporation in which the pipeline, plant, or transmission line is proposed to be located. The request shall be made in writing and shall be filed within thirty (30) days following the filing of a completed application.

Published in the Flemingsburg Gazette 08.24.22 and 08.31.22



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## **OPINIONS**

#### The opinion page does not reflect the views of the KyNewsGroup.



#### **Heaven Is A Lot Like Kentucky**

By Charles Mattox

Continued from last week

As the siege wore on for over a week, the inhabitants of Fort Boonesboro had noticed the enemy force was digging a tunnel from the banks of the Kentucky River and thus started digging one themselves to meet the enemy.

Captain Boone and brother, Squire, who had finally had his shoulder wound heal to the point where he could once again aid in the defense of the fort, devised a wooden box they used to haul the dirt to the top of the fort palisades and dump it over, to let the enemy know they were aware of their tunnel exploits.

The inhabitants of the fort also tossed large rocks over the palisades attempting to hit enemy combatants when came close.

An old lady of the Fort, Mrs. South, grew alarmed at this action and begged the men to stop stating they had best be careful or they might strike an Indian and then the Indians would surely become angry!

It became a running catch phrase among some of the men throughout the day when they would pass one another inside the fort as one of them was firing a musket.

"Be careful, you might hit an Indian and then they will be angry," they would say to one another in grim humor.

A heavy rain did more than dampen the spirand was thus locked outside of the fort during the siege. He saw the terrible night attack on the night of the 17th and morning of the 18th of September; and amid the flames he heard screaming from inside the fort. He hastened to Benjamin Logan's Fort and told them Fort Boonesboro had been destroyed and he had seen it with his own eyes.

By noon the next day however, the fort still stood and the enemy belligerents had departed.

With only two men killed inside the fort and another five wounded, including Daniel and Squire Boone, the inhabitants considered themselves lucky.

It was determined by best estimates from what they witnessed during the siege and evidence left on the ground around the fort, that at least 37 of the enemy had been killed.

One hundred and twenty five pounds of lead was picked up around the fort with piles of lead being found near the port holes, where the enemy had shot so often the lead stuck all around the timbers and then when additional shots struck nearby, the flattened lead bullets simply dropped to the ground.

It was said almost 100 pounds of lead was dug from the timbers of one of the bastions alone.

Though most would have considered the actions of Captain Boone heroic during the siege, that did little to sway

some militia officers, including Colonel Richard Callaway and Benjamin Logan, who immediately sought for, and obtained, court-martial proceedings against Boone.

To some degree, some folks said they could understand how Captain Logan might, in some way, blame Capt. Boone for his own injuries. He sat there with three bullet holes and a broken arm, and looked straight at Boone with no expression.

Logan had been shot to pieces during the siege of Boonesborough when he rode from St. Asaph in an attempt to gather information of the siege.

Callaway and Boone had disagreed strongly for years and their expressions toward one another could not reveal otherwise.

When the members of the tribunal returned with their verdict and cleared Boone of all charges, curses mingled with shouts of joy and elation.

As high-ranking officers within the state's militia, the tribunal members also promoted Boone to the rank of Major.

We know very little of the facts surrounding the court martial of Daniel Boone, dear reader.

Only one man present at Boone's court martial. Colonel Daniel Trabue, wrote of the judicial proceedings that we know of, and his 147-page manuscript, which details three years of his life along the frontier, was later col-

Public Notice Fleming County Fiscal Court

The Fleming County Fiscal Court held the first reading of amendment to Ordinance 13-1150 County Administrative Code/Personnel Policies Section 5.58-B(6)Expense Reimbursement: Any employee of the county incurring expenses for prior approved county related business shall be reimbursed as follows: (6) An employee shall be reimbursed for meals on a per diem basis, except no reimbursement shall be allowed for meals that are included in registration /seminar fees. -Reimbursement for breakfast shall only be allowed if overnight travel is required, or if the employee commences travel prior to 6:00 a.m. Reimbursement for dinner shall only be allowed if overnight travel is required, or if the employee is required to be on travel past 8:00 p.m. Allowances for meals shall be the same rate paid by the Commonwealth of Kentucky. Reimbursement for meals will only be paid if an itemized

lected and preserved by Lyman Copeland Draper, whose priceless collection now belongs to the Wisconsin State Historical Society and remains the corner stone of research for most books regarding pioneer history.

THE SURVIVAL AND COURT MARTIAL

OF CAPTAIN DANIEL BOONE

Consider a thought from Trabue, who sat between Boone, Callaway and Logan, during the court martial. Trabue watched the reactions of the men as the verdict and Boone's promotion were read.

"Colonel Callaway and Captain Ben Logan was not pleased about it," Trabue wrote.

Boone quickly left the state seeking his wife Rebecca Bryan, who had believed him dead and returned to her parents' home during his captivity among the Shawnee. Boone was greeted by his wife as one raised from the dead when he arrived at her father's home at the forks of the Yadkin River.

Colonel Richard Callaway and Pemberton Rollins met a terrible end in March 1780 when Shawnee warriors caught them outside of Fort Boonesboro at Callaway's newlybuilt ferry, which crossed the Kentucky River. Callaway was killed, dismembered and burned, with eyewitness accounts putting his own nephew Micajah Callaway, who had been captured with the salt makers and later adopted into the Shawnee tribe, as the leader of the Shawnee war party who plants but can instead did the terrible deed

Major Boone would return to Kentucky in the next year but would never settle at Fort Boonesboro again, instead settling a new fort called Boone's Station.

Trabue's manuscript, available now in book form, remains a treasure and paints a picture of the hardships of pioneer life, but one that also uses humor throughout, and we today understand the phrase. "If we have a plenty of turkeys we will never die; but if we had bread and bacon we might live a heap longer."

Where was our other hero, Simon Kenton, during all this? You may ask dear reader. He had been sent on a spy mission north to the Shawnee villages and at approximately the same time Boone was being acquitted of his court martial, Kenton was being tortured after having become a Shawnee prisoner.



Better Days Through Better Ways

One of the big things that the FFA has been pushing for in recent years is teaching students about sustainability and newer farming techniques. Sustainability farming is maximizing your resources while minimizing your climate, air and water pollution. Technological advancements such as hydroponics and aquaponics are big ways in which people are maximizing their resources. With hydroponics specifically you do not have to rely on the actual land to grow those raise them inside in the medium in water. The importance behind maximizing the resources and minimizing pollution is so that we can be more mindful about how we are affecting our planet. When we maximize our resources and continue to grow crops while having less land. The high school now has an App Harvest container that will allow the kids to grow lettuce in the container with hydroponics. This will eventually supply our high school and a few elementary schools with fresh lettuce for our cafeterias, and it will also be available to the public.



its of the enemy. It also caused a collapse of their tunnel and so they resorted to keeping a continuous barrage of musket fire on the fort. The enemy fire grew so intense at one point that it cut the flag pole which held aloft a makeshift Continental Flag. The enemy rejoiced when the flag fell but the men of the fort quickly constructed another flag pole and raised a similar vocal salute when it was raised again.

Squire Boone was an avid inventor and had used old musket barrels to construct special water hoses (squirt guns) to help extinguish fires the enemy set during the siege. He had also helped constructed a wooden cannon from an old Black Gum log, which he hallowed out and with help from Colonel Callaway, fastened with iron bands. The cannon blew up on its initial firing so he built another which he used with effect twice, when enemy combatants were seen to group together at a distance of 200 yards as they were destroying the fort's nursery and orchard.

The enemy turned to night assaults and tried to burn the fort down, but sharpshooters took a toll on them and the fort seemed to be protected by divine intervention as it rained each night.

On September 17, the enemy warriors made a valiant charge at night with torches and flaming arrows.

William Patten had been an inhabitant of the fort who was hunting when the attack began

receipt is presented with detailed description of the expenditure. Gratuities may be reimbursed if it does not exceed 20% of the cost of the meal

Second reading and passage set for Tuesday, September 13, 2022 at 9:00 AM during the Fleming County Fiscal Court meeting conducted at 100 Court Square, Flemingsburg, Kentucky.

This advertisement was paid for by the Fleming County Fiscal Court using tax dollars in the amount of \$48.

Published in the Flemingsburg Gazette 08.31.22

#### NOTICE OF APPLICATION HUMMINGBIRD ENERGY PROJECT

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Published in the Flemingsburg Gazette 08.24.22 and 08.31.22

## Thank You

The family of Wayne Capps would like to express our deepest gratitude for everyone who offered sympathy at the time of his passing. A special thanks goes to the members of the First Church of God in Flemingsburg for the wonderful meal and time of fellowship.

We also thank Boone-Nickell Funeral home for all their kindness, professionalism, and the beautiful services. Sister Gail Skaggs, Chaplain John Callahan, and all the speakers delivered heartwarming messages.

Colonel JB Richmond arranged the military burial honors, which provided the perfect final send-off for Wayne. We are truly blessed to have you in our hearts during the loss.

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Contact - Jayce Walker 859-694-2777 <u>Hummingbird@recurrentenergy.com</u>

## Hummingbird

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11 AM - 2 PM 5 PM - 8 PM



Open House on utility-scale solar and the Hummingbird Solar project with industry experts.

Complimentary Food & Beverage

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Mt. Carmel Fire Station 7592 Mt Carmel Rd Flemingsburg, KY 41041

Booth Presentations with Industry Experts Recurrent Energy Geenex Solar Land & Liberty Coalition KYSEIA Center for Energy Education I\-2 Welcome! Please sign in. O geenex

		All and the second s	
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Mon + Bil Berkett	1031 Foyport Rd. Willingford		
Jerry Parla	1004 NAXHALLPIRE	\$06- 5499.	438
RYAN ACODLESTON	1914 PLEASANT VALLEY R	606-541-046	2





Name	Address	Phone	Email
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Welcome! Please sign in. 50	m-8pm		<b>O</b> geenex
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Spowerk RAP	6923 MRYLickky	606-748-1650	2
Tim Croppey	1931. CONVICT PIRE FLOUR	606-748-080	
Tiltany Allism		859-351-3474	tiffany @ tiffany india com
Jeff Schwartz	1412 Mt Carone Rd)	606 748-2056	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
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#### Exhibit C

#### 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	ć
MERCHANT ELECTRIC SOLAR	÷
GENERATING FACILITY AND	;
NONREGULATED ELECTRIC	ŝ
TRANSMISSION LINE IN FLEMING	ŝ
COUNTY, KENTUCKY PURSUANT TO KRS	
278.700 AND 807 KAR 5:110	ŝ

Case No. 2022-00272

#### Certification of Compliance Pursuant to KRS 278.706(2)(d)

Comes the Affiant, Spivey Paup, solely in my capacity as Vice President of Hummingbird Energy LLC, and hereby states as follows:

1. I am over the age of 18 and a resident of Texas.

2. I am Vice President of Hummingbird Energy LLC.

3. I have conducted an inquiry into the facts contained in the Statement and have found them to be true to the best knowledge and belief.

4. I hereby certify that the proposed facility as planned and to be constructed in Fleming County, Kentucky will be in compliance with any local noise control ordinance and planning and zoning ordinance.

5. There is no noise control ordinance with jurisdiction over Fleming County outside of the municipality of Flemingsburg.

6. There is no planning and zoning commission with jurisdiction over Fleming County, and thus the county has no setback requirements.

Signed this 30<sup>th</sup> day of September

Spiney Paup

Name: Spivey Paup Title: Vice President, Hummingbird Energy LLC

#### <u>Exhibit D</u>



## Generation Interconnection REVISED System Impact Study Report for Queue Project AE2-038 GODDARD-PLUMSVILLE 138 KV II 53.5 MW Capacity / 80 MW Energy

August 2022

#### **Table of Contents**

#### Contents

1	Preface	3
2	General	4
2.1	Point of Interconnection	5
2.2	Cost Summary	5
3	Transmission Owner Scope of Work	6
4	Attachment Facilities	6
5	Direct Connection Cost Estimate	6
6	Non-Direct Connection Cost Estimate	6
7	Incremental Capacity Transfer Rights (ICTRs)	7
8	Interconnection Customer Requirements	7
9	Revenue Metering and SCADA Requirements	7
9.1	PJM Requirements	7
9.2	EKPC Requirements	7
10	Network Impacts	8
11	Generation Deliverability	10
12	Multiple Facility Contingency	10
13	Contribution to Previously Identified Overloads	10
14	Potential Congestion due to Local Energy Deliverability	11
18	System Reinforcements	13
19	Affected Systems	17
19.1	LG&E	17
19.2	2 MISO	17
19.3	3 TVA	17
19.4	Duke Energy Progress	17
20	Contingency Descriptions	18
21	Short Circuit	20
22	Attachment 1. Single Line Diagram	21
23	Attachment 2: Appendices	22

#### 1 Preface

The intent of the System Impact Study is to determine a plan, with approximate cost and construction time estimates, to connect the subject generation interconnection project to the PJM network at a location specified by the Interconnection Customer. As a requirement for interconnection, the Interconnection Customer may be responsible for the cost of constructing: Network Upgrades, which are facility additions, or upgrades to existing facilities, that are needed to maintain the reliability of the PJM system. All facilities required for interconnection of a generation interconnection project must be designed to meet the technical specifications (on PJM web site) for the appropriate transmission owner.

In some instances, a generator interconnection may not be responsible for 100% of the identified network upgrade cost because other transmission network uses, e.g. another generation interconnection, may also contribute to the need for the same network reinforcement. Cost allocation rules for network upgrades can be found in PJM Manual 14A, Attachment B. The possibility of sharing the reinforcement costs with other projects may be identified in the feasibility study, but the actual allocation will be deferred until the impact study is performed.

The System Impact Study estimates do not include the feasibility, cost, or time required to obtain property rights and permits for construction of the required facilities. The project developer is responsible for the right of way, real estate, and construction permit issues. For properties currently owned by Transmission Owners, the costs may be included in the study.

The Interconnection Customer seeking to interconnect a wind or solar generation facility shall maintain meteorological data facilities as well as provide that meteorological data which is required per Schedule H to the Interconnection Service Agreement and Section 8 of Manual 14D.

An Interconnection Customer with a proposed new Customer Facility that has a Maximum Facility Output equal to or greater than 100 MW shall install and maintain, at its expense, phasor measurement units (PMUs). See Section 8.5.3 of Appendix 2 to the Interconnection Service Agreement as well as section 4.3 of PJM Manual 14D for additional information.
## 2 General

The Interconnection Customer (IC), has proposed an uprate to an existing Solar/Storage generating facility located in Fleming County, Kentucky. The AE2-038 project requests an increase of 80 MW with 53.5 MW of this output being recognized by PJM as Capacity to the IC's previous AE1-144 project. The installed facilities will have a total capability of 200 MW with 133.7 MW of this output being recognized by PJM as Capacity.

The proposed in-service date for this project is 6/1/2022. This study does not imply a TO commitment to this in-service date.

Queue Number	AE2-038
Project Name	GODDARD-PLUMSVILLE 138 KV II
Interconnection Customer	Hummingbird Solar LLC
State	Kentucky
County	Fleming
Transmission Owner	ЕКРС
MFO	200
MWE	80
MWC	53.5
Fuel	Solar; Storage
Basecase Study Year	2022

#### 2.1 Point of Interconnection

AE2-038 will interconnect with the EKPC transmission system tapping the Goddard to Plumville 138kV line.

The new 138 kV substation will be constructed by the IC's previous PJM Project # AE1-144.

Note: It is assumed that the 138 kV revenue metering system, gen lead and Protection & Control Equipment that will be installed for #AE1-144 will be adequate for the additional generation requested in AE2-038. Depending on the timing of the completion of the AE1-144 interconnection construction relative to the AE2-038 completion, there may (or may not) be a need to review and revise relay settings for the increased generation of AE2-038.

#### 2.2 Cost Summary

The AE2-038 project will be responsible for the following costs:

Description	Total Cost
Attachment Facilities	\$0
Direct Connection Network Upgrade	\$0
Non Direct Connection Network Upgrades	\$0
Allocation for New System Upgrades	\$17,650,000
Contribution for Previously Identified Upgrades	\$6,016,000
Total Costs	\$23,666,000

### 3 Transmission Owner Scope of Work

#### **4** Attachment Facilities

The total preliminary cost estimate for the Attachment work is given in the table below. These costs do not include CIAC Tax Gross-up.

No additional TO attachment facilities required beyond those identified for AE1-144.

#### 5 Direct Connection Cost Estimate

The total preliminary cost estimate for the Direct Connection work is given in the table below. These costs do not include CIAC Tax Gross-up.

No additional direct connection network upgrades required beyond those identified for AE1-144.

#### 6 Non-Direct Connection Cost Estimate

The total preliminary cost estimate for the Non-Direct Connection work is given in the table below. These costs do not include CIAC Tax Gross-up.

No additional non-direct connection network upgrades required beyond those identified for AE1-144.

## 7 Incremental Capacity Transfer Rights (ICTRs)

None

### 8 Interconnection Customer Requirements

- 1. An Interconnection Customer entering the New Services Queue on or after October 1, 2012 with a proposed new Customer Facility that has a Maximum Facility Output equal to or greater than 100 MW shall install and maintain, at its expense, phasor measurement units (PMUs). See Section 8.5.3 of Appendix 2 to the Interconnection Service Agreement as well as section 4.3 of PJM Manual 14D for additional information.
- 2. The Interconnection Customer may be required to install and/or pay for metering as necessary to properly track real time output of the facility as well as installing metering which shall be used for billing purposes. See Section 8 of Appendix 2 to the Interconnection Service Agreement as well as Section 4 of PJM Manual 14D for additional information.

### 9 Revenue Metering and SCADA Requirements

#### 9.1 PJM Requirements

The Interconnection Customer will be required to install equipment necessary to provide Revenue Metering (KWH, KVARH) and real time data (KW, KVAR) for IC's generating Resource. See PJM Manuals M-01 and M-14D, and PJM Tariff Sections 24.1 and 24.2.

#### 9.2 **EKPC Requirements**

The Interconnection Customer will be required to comply with all EKPC Revenue Metering Requirements for Generation Interconnection Customers. The Revenue Metering Requirements may be found within the "EKPC Facility Connection Requirements" document located at the following link:

http://www.pjm.com/planning/design-engineering/to-tech-standards/ekpc.aspx

#### **10 Network Impacts**

The Queue Project AE2-038 was evaluated as a 80.0 MW (Capacity 53.5 MW) injection into a tap of the Goddard – Plumville 138 kV line substation in the EKPC area. Project AE2-038 was evaluated for compliance with applicable reliability planning criteria (PJM, NERC, NERC Regional Reliability Councils, and Transmission Owners). Project AE2-038 was studied with a commercial probability of 100%. Potential network impacts were as follows:

# **Summer Peak Load Flow**

## **11** Generation Deliverability

(Single or N-1 contingencies for the Capacity portion only of the interconnection)

				AE2-038 Ger	neration Delive	erability								
		Contingency	Affected	Facility	В	us			Lo	ading	Ra	ting	MW	FG
#	Туре	Name	Area	Description	From	То	Cir.	PF	Initial	Final	Туре	MVA	Con.	App.
1	Non	Non	EKPC -	7SPURLOCK-	342838	253077	1	DC	99.81	101.42	NR	1240	19.91	1
			DAY	09STUART										
				345 kV line										

## **12** Multiple Facility Contingency

(Double Circuit Tower Line, Fault with a Stuck Breaker, and Bus Fault contingencies for the full energy output)

				AE2-038 Multip	ple Facility Co	ontingency								
		Contingency	Affected	Facility	В	us			Lo	ading	Ra	ating	MW	FG
#	Туре	Name	Area	Description	From	То	Cir.	PF	Initial	Final	Туре	MVA	Con.	App.
2	DCTL	DEO&K-DAY-EKPC.C5	EKPC -	2PLUMVILLE-	342091	341923	1	AC	91.24	102.03	ER	63	8.0	3
		4541MELDAHLSPRLCKSTUARTSP	EKPC	2MURPHYSVIL										
		URLOCKDPLEK		69 kV line										

## **13** Contribution to Previously Identified Overloads

(This project contributes to the following contingency overloads, i.e. "Network Impacts", identified for earlier generation or transmission interconnection projects in the PJM Queue)

	Contingency		Contingency Affected Facility Bus				Lo	ading	Ra	ating	MW	FG		
#	Туре	Name	Area	Description	From	То	Cir.	PF	Initial	Final	Туре	MVA	Con.	App.
3	DCTL	DEO&K-DAY-EKPC.C5	AEP -	05WLDCAT-	246946	243019	1	AC	142.6	146.17	ER	185	7.77	5
		4541MELDAHLSPRLCKSTUARTSP	AEP	05HILLSB 138					1					
		URLOCKDPLEK		kV line										

		Contingency	Affected	Facility	В	us			Los	ading	Ra	ating	MW	FG
#	Туре	Name	Area	Description	From	То	Cir.	PF	Initial	Final	Туре	MVA	Con.	App.
4	LFFB	DAY_P4_STUART_HH	AEP -	05WLDCAT-	246946	243019	1	AC	116.7	119.2	ER	185	5.3	
			AEP	05HILLSB 138					7					
				kV line										

## 14 Potential Congestion due to Local Energy Deliverability

PJM also studied the delivery of the energy portion of this interconnection request. Any problems identified below are likely to result in operational restrictions to the project under study. The developer can proceed with network upgrades to eliminate the operational restriction at their discretion by submitting a Merchant Transmission Interconnection request.

Note: Only the most severely overloaded conditions are listed below. There is no guarantee of full delivery of energy for this project by fixing only the conditions listed in this section. With a Transmission Interconnection Request, a subsequent analysis will be performed which shall study all overload conditions associated with the overloaded element(s) identified.

N-1	EKPC_P1-2_SPUR-STU345		Description	From	То	Cir.	PF	Initial	Final	Туре	MVA	Con.	App.
		AEP -	05WLDCAT-	246946	243019	1	AC	116.1	118.6	ER	185	5.31	
		AEP	05HILLSB 138					7					
			kV line										
Non	Non	FKPC -		3/12838	253077	1	۸C	95 09	97 5	NR	12/10	29 77	
				542050	233077	-	AC	55.05	57.5		1240	25.77	
		DAI											
			5 <del>-</del> 5 kv mic										
Non	Non	EKPC -	7SPURLOCK-	342838	253077	1	AC	95.09	97.5	NR	1240	29.77	
		DAY	09STUART										
			345 kV line										
N-1				342838	253077	1	DC	97.04	99.15	ER	1532	32.11	
	ZIMMER 4545	DAY	09STUART										
			345 kV line										
NI 1		EKDC	AE1 144 TAD	020140	242580	1	۸С	62 50	105.91	ED	196	<u> 000</u>	
IN-T				555140	342369	L L	AC	05.59	103.01	EN	100	80.0	
		ENPL											
			138 KV line										
N	on	on Non -1 345 DEO&K B2 RED BANK-SG- ZIMMER 4545	on Non EKPC - DAY -1 345 DEO&K B2 RED BANK-SG- ZIMMER 4545 EKPC - DAY	onNonEKPC - DAY7SPURLOCK- 09STUART 345 kV lineonNonEKPC - DAY7SPURLOCK- 09STUART 345 kV lineonNonEKPC - DAY7SPURLOCK- 09STUART 345 kV line-1345 DEO&K B2 RED BANK-SG- ZIMMER 4545EKPC - DAY7SPURLOCK- 09STUART 345 kV line-1EKPC_P1-2_GODD-PLUM 138-BEKPC - EKPC -AE1-144 TAP-	onNonEKPC - DAY7SPURLOCK- 09STUART 345 kV line342838onNonEKPC - DAY7SPURLOCK- 09STUART 345 kV line342838onNonEKPC - DAY7SPURLOCK- 09STUART 345 kV line342838-1345 DEO&K B2 RED BANK-SG- ZIMMER 4545EKPC - DAY7SPURLOCK- 09STUART 345 kV line342838-1EKPC_P1-2_GODD-PLUM 138-BEKPC - EKPCAE1-144 TAP- 4GODDARD939140	onNonEKPC - DAY7SPURLOCK- 09STUART 345 kV line342838253077onNonEKPC - DAY7SPURLOCK- 09STUART 345 kV line342838253077onNonEKPC - DAY7SPURLOCK- 09STUART 345 kV line342838253077-1345 DEO&K B2 RED BANK-SG- ZIMMER 4545EKPC - DAY7SPURLOCK- 09STUART 345 kV line342838253077-1EKPC_P1-2_GODD-PLUM 138-BEKPC - EKPCAE1-144 TAP- 4GODDARD939140342589	Image: Non     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1       on     Non     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1       on     Non     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1       on     Non     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1       -1     345 DEO&K B2 RED BANK-SG- ZIMMER 4545     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1       -1     EKPC_P1-2_GODD-PLUM 138-B     EKPC - EKPC - AE1-144 TAP- 4GODDARD     939140     342589     1	Image: Non Non Non Non     EKPC - DAY     7SPURLOCK- 09STUART 342838     253077     1     AC       on Non Non Non     EKPC - DAY     7SPURLOCK- 09STUART 345 kV line     342838     253077     1     AC       on Non Non     EKPC - DAY     7SPURLOCK- 09STUART 345 kV line     342838     253077     1     AC       on Non Non     EKPC - DAY     7SPURLOCK- 09STUART 345 kV line     342838     253077     1     AC       -1     345 DEO&K B2 RED BANK-SG- ZIMMER 4545     EKPC - DAY     7SPURLOCK- 09STUART 345 kV line     342838     253077     1     DC       -1     EKPC_P1-2_GODD-PLUM 138-B     EKPC - EKPC     AE1-144 TAP- 4GODDARD     939140     342589     1     AC	Image: Non Non Non Non     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1     AC     95.09       on Non Non Non     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1     AC     95.09       on 3     Non Non Non     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1     AC     95.09       -1     345 DEO&K B2 RED BANK-SG- ZIMMER 4545     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1     AC     97.04       -1     EKPC_P1-2_GODD-PLUM 138-B     EKPC - EKPC     AE1-144 TAP- EKPC     939140     342589     1     AC     63.59	Image: Non Non     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1     AC     95.09     97.5       on     Non     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1     AC     95.09     97.5       on     Non     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1     AC     95.09     97.5       -1     345 DEO&K B2 RED BANK-SG- ZIMMER 4545     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1     DC     97.04     99.15       -1     S45 DEO&K B2 RED BANK-SG- ZIMMER 4545     EKPC - DAY     7SPURLOCK- O9STUART 345 kV line     342838     253077     1     DC     97.04     99.15       -1     EKPC_P1-2_GODD-PLUM 138-B     EKPC - AE1-144 TAP- 345 kV line     939140     342589     1     AC     63.59     105.81	Image: Non     EKPC - DAY     7SPURLOCK- 09STUART     342838     253077     1     AC     95.09     97.5     NR       on     Non     EKPC - DAY     7SPURLOCK- 09STUART     342838     253077     1     AC     95.09     97.5     NR       on     Non     EKPC - DAY     7SPURLOCK- 09STUART     342838     253077     1     AC     95.09     97.5     NR       on     Non     EKPC - DAY     7SPURLOCK- 09STUART     342838     253077     1     AC     95.09     97.5     NR       -1     345 DEO&K B2 RED BANK-SG- ZIMMER 4545     EKPC - DAY     7SPURLOCK- 09STUART     342838     253077     1     DC     97.04     99.15     ER       -1     EKPC_P1-2_GODD-PLUM 138-B     EKPC - DAY     O9STUART     342838     253077     1     DC     97.04     99.15     ER       -1     EKPC_P1-2_GODD-PLUM 138-B     EKPC - AE1-144 TAP- 4GODDARD     939140     342589     1     AC     63.59     105.81     ER	Image: Non of the	Image: Non Non   EKPC - DAY   7SPURLOCK- O9STUART 345 kV line   342838   253077   1   AC   95.09   97.5   NR   1240   29.77     on   Non   EKPC - DAY   7SPURLOCK- O9STUART 345 kV line   342838   253077   1   AC   95.09   97.5   NR   1240   29.77     on   Non   EKPC - DAY   7SPURLOCK- O9STUART 345 kV line   342838   253077   1   AC   95.09   97.5   NR   1240   29.77     -1   345 DEO& BANK-SG- ZIMMER 4545   EKPC - DAY   7SPURLOCK- O9STUART 345 kV line   342838   253077   1   AC   95.09   97.5   NR   1240   29.77     -1   S45 DEO& BANK-SG- ZIMMER 4545   EKPC - DAY   7SPURLOCK- O9STUART 345 kV line   342838   253077   1   DC   97.04   99.15   ER   1532   32.11     -1   EKPC_P1-2_GODD-PLUM 138-B   EKPC - AE1-144 TAP- 4GODDARD   939140   342589   1   AC   63.59   105.81   ER   186   80.0

#	Туре	Name	Affected Area	Facility Description	From	То	Cir.	PF	Initial	Final	Туре	MVA	MW Con.	FG App.
1	N-1	EKPC_P1-2_GODD-PLUM 138-A	EKPC -	AE1-144 TAP-	939140	342634	1	AC	65.65	107.28	ER	186	80.0	
0			EKPC	4PLUMVILLE										
				138 kV line										

### **15** Steady-State Voltage Requirements

(Summary of the VAR requirements based upon the results of the steady-state voltage studies)

To be evaluated during the Facilities Study Phase

## **16** Stability and Reactive Power Requirements for Low Voltage Ride Through

(Summary of the VAR requirements based upon the results of the dynamic studies)

To be evaluated during the Facilities Study Phase

## **17 Light Load Analysis**

Light Load Studies (applicable to wind, coal, nuclear, and pumped storage projects).

Not required

## **18 System Reinforcements**

#### **New System Reinforcements**

(Upgrades required to mitigate reliability criteria violations, i.e. Network Impacts, initially caused by the addition of this project generation)

Facility	Upgrade Description	Cost	Cost Allocation	Upgrade Number
7SPURLOCK- 09STUART 345 kV line (from bus 342838 to bus 253077 ckt 1)	EKPC End EKPC SE rating is 1532 MVA. The EKPC end does not require upgrades. Dayton Reinforcement: Project ID: N5780 Description: Re-conductor Stuart-Spurlock line with twin bundle 1033 Curlew ACCR conductor. Type: FAC Cost: \$17,000,000 Time Estimate: 18 Months Ratings: 1556 MVA SE AE2-038 is the driver for this upgrade.	\$17,000,000	\$17,000,000	N5780
2PLUMVILLE- 2MURPHYSVIL 69 kV line (from bus 342091 to bus 341923 ckt 1)	EKPC Reinforcement: Project ID: N6480 Description: Increase the maximum operating temperature of the 266 MCM ACSR conductor in the Murphysville- Plumville 69 kV line section to 266 degrees F (9.9 miles) Type: FAC Cost: \$650,000 Time Estimate: 9 Months Ratings: 66 MVA SE AE2-038 is the driver for this upgrade.	\$650,000	\$650,000	N6480
	Total	\$17,650,000	\$17,650,000	

#### **Contribution to Previously Identified System Reinforcements**

(Overloads initially caused by prior Queue positions with additional contribution to overloading by this project. This project may have a % allocation cost responsibility which will be calculated and reported for the Impact Study)

(Summary form of Cost allocation for transmission lines and transformers will be inserted here if any)

Facility	Upgrade Description	Cost	Cost Allocation	Upgrade Number
05WLDCAT- 05HILLSB 138 kV line (from bus 246946 to bus 243019 ckt 1)	Upgrade Description     AEP     AEP SE rating is 185 MVA.     AEP Reinforcement:     Project ID: n5472     Description: A sag check will be required for the ACSR ~ 477     ~26/7 ~ HAWK - Conductor Section 1 to determine if the line section can be operated above its emergency rating of 185     MVA. The sag study results show that a distribution circuit crossing underneath structures 37-58 and 37-59 will need to be relocated to allow the line to be operated at its MOT. An approximate time for the sag study is 6 to 12 months after signing an interconnection agreement. Estimated Cost is \$186K. The new expected SE rating following the sag study will be 256 MVA SE.     Type: FAC     Cost: \$186,000     Time Estimate: 6-12 Months     Ratings: 256 MVA SE     Notes:     1. Since the cost of the upgrade is less than \$5M, based on PJM cost allocation criteria, AE2-038 currently does not receive cost allocation towards this upgrade.     2. As changes to the PJM queue process occur (such as prior queued projects withdrawing from the queue, reducing in size, etc.) AE2-038 could receive cost allocation.     3. Although Queue Project AE2-038 may not presently have cost responsibility for this upgrade, Queue Project AE2-038 will need an interim study.     AEP Reinforcement:     Project ID: n5857     Description: Re-conductor/rebuild 10.03 miles section of ACSR ~ 477 ~ 26/7 ~ HAWK Conductor section 1.     Type: FAC <th>Cost \$186,000 + \$15,040,000</th> <th></th> <th></th>	Cost \$186,000 + \$15,040,000		
	<u>Time Estimate</u> : 24-36 Months <u>Ratings</u> : 449 MVA SE The cost allocation is as follows:			

Queue	MW contribution	Percentage of Cost	\$ cost ( \$15.04 M)			
AE1-144	11.6	60.000	9.024			
AE2-038	7.8	40.000	6.016			
Total				\$15,226,000	\$6,016,000	

# **Affected Systems**

### **19 Affected Systems**

#### 19.1 LG&E

An LG&E affected system study will be required for AE2-038.

#### 19.2 MISO

None.

#### 19.3 TVA

None

#### **19.4 Duke Energy Progress**

None

# **20** Contingency Descriptions

Contingency Name	Contingency Definition	
345 DEO&K B2 RED BANK-SG-ZIMMER 4545	CONTINGENCY '.345.DEO&K.B2 RED BANK-SG-ZIMMER 4545' OPEN BRANCH FROM BUS 249573 TO BUS 249577 CKT 1 OPEN BRANCH FROM BUS 249573 TO BUS 250097 CKT 1 OPEN BRANCH FROM BUS 249571 TO BUS 249573 CKT 1 END	
DAY_P4_STUART_HH	CONTINGENCY 'DAY_P4_STUART_HH' OPEN LINE FROM BUS 253077 TO BUS 342838 CKT 1 / 253077 09STUART 345 342838 7SPURLOCK 345 1 OPEN LINE FROM BUS 253077 TO BUS 253076 CKT 1 / 253077 09STUART 345 253076 09STUART 138 1 END	
DEO&K-DAY-EKPC.C5 4541MELDAHLSPRLCKSTUARTSPURLOCKD PLEK	CONTINGENCY 'DEO&K-DAY-EKPC.C5 4541MELDAHLSPRLCKSTUARTSPURLOCKDPLEK' OPEN BRANCH FROM BUS 342838 TO BUS 249581 CKT 1 OPEN BRANCH FROM BUS 253077 TO BUS 342838 CKT 1 END	
EKPC_P1-2_GODD-PLUM 138-A	CONTINGENCY 'EKPC_P1-2_GODD-PLUM 138-A' OPEN BRANCH FROM BUS 342589 TO BUS 939140 CKT 1 /* 342589 4GODDARD 138.00 939140 AE1-144 TAP 138.00 END	/* GODDARD - PLUMVILLE
EKPC_P1-2_GODD-PLUM 138-B	CONTINGENCY 'EKPC_P1-2_GODD-PLUM 138-B' OPEN BRANCH FROM BUS 939140 TO BUS 342634 CKT 1 4PLUMVILLE 138.00 END	/* GODDARD - PLUMVILLE /* 939140 AE1-144 TAP 138.00 342634
EKPC_P1-2_SPUR-STU345	CONTINGENCY 'EKPC_P1-2_SPUR-STU345' OPEN BRANCH FROM BUS 253077 TO BUS 342838 CKT 1 7SPURLOCK 345.00 END	/* SPURLOCK - STUART /* 253077 09STUART 345.00 342838
DAY_P4_STUART_HH	CONTINGENCY 'DAY_P4_STUART_HH' OPEN LINE FROM BUS 253077 TO BUS 342838 CKT 1 7SPURLOCK 345 1 OPEN LINE FROM BUS 253077 TO BUS 253076 CKT 1 09STUART 138 1 END	/ 253077 09STUART 345 342838 / 253077 09STUART 345 253076

# **Short Circuit**

## 21 Short Circuit

The following Breakers are overduty

None

## 22 Attachment 1. Single Line Diagram



#### 23 Attachment 2: Appendices

The following appendices contain additional information about each flowgate presented in the body of the report. For each appendix, a description of the flowgate and its contingency was included for convenience. However, the intent of the appendix section is to provide more information on which projects/generators have contributions to the flowgate in question. All New Service Queue Requests, through the end of the Queue under study, that are contributors to a flowgate will be listed in the Appendices. Please note that there may be contributors that are subsequently queued after the queue under study that are not listed in the Appendices. Although this information is not used "as is" for cost allocation purposes, it can be used to gage the impact of other projects/generators.

It should be noted the project/generator MW contributions presented in the body of the report and appendices sections are full contributions, whereas the loading percentages reported in the body of the report, take into consideration the commercial probability of each project as well as the ramping impact of "Adder" contributions.

(EKPC - DAY) The 7SPURLOCK-09STUART 345 kV line (from bus 342838 to bus 253077 ckt 1) loads from 99.81% to 101.42% (DC power flow) of its normal rating (1240 MVA) for non-contingency condition. This project contributes approximately 19.91 MW to the thermal violation.

Bus Number	Bus Name	Full Contribution
251970	08MELDL1	1.6
251971	08MELDL2	1.6
251972	08MELDL3	1.61
251968	08ZIMRHP	28.06
251969	08ZIMRLP	15.37
342918	IJKCT 1G	4.05
342921	1JKCT 2G	4.05
342924	1JKCT 3G	4.05
342927	1JKCT 4G	2.69
342930	1JKCT 5G	2.68
342933	1JKCT 6G	2.69
342936	1JKCT 7G	2.69
342939	1JKCT 9G	2.98
342942	<i>1JKCT 10G</i>	2.98
342957	1SPURLK1G	20.63
342960	1SPURLK2G	38.96
342963	1SPURLK3G	20.47
342966	1SPURLK4G	20.47
932461	AC2-066 C	-3.89
932551	AC2-075 C	3.44
936381	AD2-048 C	11.32
936571	AD2-072 C O1	9.29
938921	AE1-120	-6.
939131	AE1-143 C	6.95
939141	AE1-144 C O1	29.85
940531	AE2-038 C 01	19.91
941411	AE2-138 C	57.64
941981	AE2-210 C O1	19.86
942411	AE2-254 C O1	4.65
942591	AE2-275 C O1	14.5
942891	AE2-308 C O1	24.35
943111	AE2-339 C	6.81
LTF	CARR	0.48
LTF	CBM-S1	14.13
LTF	CBM-S2	1.95
LTF	CBM-W1	5.76
LTF	CBM-W2	71.61
LTF	CIN	8.26
LTF	CPLE	0.43

LTF	IPL	5.19
LTF	LGE-0012019	5.69
LTF	LGEE	5.38
LTF	MEC	9.35
LTF	RENSSELAER	0.38
LTF	WEC	0.93
930061	AB1-014 C	-6.48
925981	AC1-074 C O1	14.48
926061	AC1-085 C O1	-36.4
926951	AC1-182	4.3

None.

(EKPC - EKPC) The 2PLUMVILLE-2MURPHYSVIL 69 kV line (from bus 342091 to bus 341923 ckt 1) loads from 91.24% to 102.03% (AC power flow) of its emergency rating (63 MVA) for the tower line contingency outage of 'DEO&K-DAY-EKPC.C5 4541MELDAHLSPRLCKSTUARTSPURLOCKDPLEK'. This project contributes approximately 8.0 MW to the thermal violation.

Bus Number	Bus Name	Full Contribution
939141	AE1-144 C O1	8.02
939142	AE1-144 E O1	3.98
940531	AE2-038 C O1	5.35
940532	AE2-038 E O1	2.65
LTF	BLUEG	0.19
LTF	CARR	< 0.01
LTF	CBM-S1	0.1
LTF	CBM-S2	0.04
LTF	CBM-W2	0.12
LTF	COFFEEN	0.01
LTF	CPLE	< 0.01
LTF	DUCKCREEK	0.03
LTF	EDWARDS	0.02
LTF	FARMERCITY	< 0.01
LTF	G-007	0.03
LTF	GIBSON	< 0.01
LTF	NEWTON	0.03
LTF	<i>O-066</i>	0.17
LTF	PRAIRIE	0.02
LTF	RENSSELAER	< 0.01
LTF	TILTON	0.02
LTF	TRIMBLE	0.03

## Appendix 4

None.

(AEP - AEP) The 05WLDCAT-05HILLSB 138 kV line (from bus 246946 to bus 243019 ckt 1) loads from 142.61% to 146.17% (AC power flow) of its emergency rating (185 MVA) for the tower line contingency outage of 'DEO&K-DAY-EKPC.C5 4541MELDAHLSPRLCKSTUARTSPURLOCKDPLEK'. This project contributes approximately 7.77 MW to the thermal violation.

Bus Number	Bus Name	Full Contribution
932551	AC2-075 C	0.76
932552	AC2-075 E	0.39
936381	AD2-048 C	4.
936382	AD2-048 E	1.99
939141	AE1-144 C O1	7.79
939142	AE1-144 E O1	3.86
940531	AE2-038 C O1	5.19
940532	AE2-038 E O1	2.57
941411	AE2-138 C	10.54
941412	AE2-138 E	3.9
941981	AE2-210 C O1	3.63
941982	AE2-210 E O1	1.37
943111	AE2-339 C	1.38
943112	AE2-339 E	0.68
LTF	CARR	0.05
LTF	CBM-S1	2.92
LTF	CBM-S2	0.51
LTF	CBM-W1	0.91
LTF	CBM-W2	13.23
LTF	CIN	1.29
LTF	CPLE	0.14
LTF	G-007	0.14
LTF	IPL	0.72
LTF	LGEE	1.12
LTF	MEC	1.61
LTF	<i>O-066</i>	0.91
LTF	RENSSELAER	0.04
LTF	WEC	0.14
916272	Z1-080 E	0.56
918802	AA1-099 E	0.37
925981	AC1-074 C O1	3.22
925982	AC1-074 E O1	1.38
926101	AC1-089 C O1	38.83
926102	AC1-089 E O1	63.35