

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-1:

Refer to Summer Shade's response to Siting Board Staff's First Request for Information (Staff's First Request), Item 18 and Noise Assessment Report, Appendix A. The table submitted in response to Item 18 outlines 119 residential structures within 2,000 feet of the Project boundary line. The Noise Assessment Report shows 109 residential structures. Explain the discrepancy.

Response: The Noise Assessment Report states that there are 100 residences and 1 church, not 109 residences. The 100 receptors in the report are within 2,000 feet of the Project boundary. Additional receptors that were included in other submitted documents include residences outside the 2,000 feet boundary but within Areas 1-6 outlined in the Motion regarding setbacks.

Witness: Shane Kelley

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SITING BOARD 2-2:

Refer to Summer Shade's response to Staff's First Request, Item 19. Identify the type of non-residential structures within 2,000 feet of the Project boundary line.

Response: Please see the attached table below for non-residential structure types within 2,000 feet of the project boundary.

Witness: Shane Kelley

Non-Residential Structures					
ID	Closest Distance to Boundary (ft)	Closest Distance to Array (ft)	Closest Distance to Inverter (ft)	Closest Distance to Substation (ft)	Structure Type
1	1196	1207	1517	16453	Barn
2	1085	1093	1535	16268	Barn
3	1019	1046	1366	13867	Barn
4	1481	1508	1795	14219	Barn
5	992	1018	1318	13963	Shed
6	701	728	1061	13810	Barn
7	131	174	1020	11664	Barn
8	24	64	735	11390	Barn
9	284	348	1628	11838	Barn
10	523	564	1569	11573	Barn
11	174	222	1449	11728	Barn
12	85	173	1147	11465	Garage
13	495	508	1236	11007	Barn
14	931	1003	1382	10322	Garage
15	795	914	1263	10037	Garage
16	968	980	1613	9466	Barn
17	1074	1087	1629	9611	Shed
18	933	949	1298	14475	Pool House
19	816	824	1321	15984	Burned Down House Debris
20	525	533	1038	15719	Barn
21	788	800	1443	17131	Barn
22	1720	1735	2559	18298	Barn
23	1671	1686	2510	18249	Barn
24	1750	1761	2587	18336	Barn
25	1800	1812	2637	18384	Barn
26	1800	1814	2638	18382	Silo
27	1382	1421	2276	17929	Barn
28	1576	1651	2096	17083	Barn
29	1286	1321	1732	16985	Barn

30	1218	1243	1644	16961	Barn
32	1193	1216	1617	16946	Barn
33	1383	1621	2284	15794	Barn
34	1641	1682	2552	15606	Barn
35	1389	1665	2948	14968	Barn
36	1850	2012	3560	14983	Barn
37	157	290	1189	12293	Barn
38	304	381	959	12137	Barn
39	39	78	639	11848	Barn
40	69	77	701	11697	Barn
41	62	71	782	11540	Shed
42	131	140	1083	11247	Barn
43	97	105	1082	11215	Garage
44	209	266	1599	10707	Barn
45	164	318	1528	10559	Shed
46	79	229	1418	10653	Barn
47	569	718	1632	10169	Barn
48	602	747	1644	10149	Shed
49	262	270	1202	9822	Barn
50	579	590	1322	9731	Garage
51	413	421	1355	9975	Barn
52	465	475	963	9311	Barn
53	481	492	945	9262	Barn
54	561	571	852	8784	Barn
55	32	42	323	8641	Shed
56	146	909	1591	8970	Shed
57	153	184	800	9374	Garage
58	65	97	714	9462	Shed
59	74	106	732	9453	Barn
60	0	235	138	9808	Barn
61	116	192	516	11611	Barn
62	227	304	578	11307	Barn
63	260	335	562	11312	Barn

64	240	338	575	11279	Barn
65	118	168	717	11131	Barn
66	0	117	522	11894	Barn
67	465	736	1350	12355	Barn
68	420	708	1338	12270	Barn
69	230	491	1089	12274	Barn
70	630	701	1349	12652	Barn
71	583	642	1287	12690	Shed
72	554	613	1259	12718	Barn
73	329	392	1079	13011	Barn
74	290	422	1122	13013	Barn
75	235	462	1167	13017	Barn
76	71	326	1275	13074	Barn
77	58	301	1107	13252	Barn
78	0	166	221	15436	Barn
79	0	298	493	16212	Barn
80	0	404	623	16226	Shed
81	0	281	554	16039	Barn
82	1110	1475	2544	14564	Barn
83	790	801	2645	11819	Barn
84	763	771	2427	11588	Barn
85	471	480	1127	9962	Barn
86	1165	1173	1821	9601	Barn
87	0	127	628	9118	Barn
88	459	510	1681	8513	Barn
89	1917	1999	3002	9153	Barn
90	2153	2246	3241	9257	Barn
91	1250	1787	3019	7294	Shed
92	1539	2015	3266	7552	Barn
93	1684	2480	3502	7289	Barn
94	834	1839	2715	6632	Shed
95	760	1853	2697	6641	Barn
96	943	1643	2594	6433	Barn

97	605	1768	2681	6691	Barn
98	597	1669	2700	6726	Barn
99	544	1713	2639	6662	Barn
100	529	1655	2637	6670	Barn
101	1309	1830	2849	6577	Barn
102	1710	2014	3087	6659	Barn
103	1853	2075	3166	6640	Shed
104	1908	2126	3219	6680	Shed
105	989	1246	2311	5963	Barn
106	987	1178	2263	5861	Barn
107	1002	1167	2259	5828	Barn
108	1039	1192	2288	5836	Barn
109	1065	1215	2312	5850	Shed
110	654	785	1877	5490	Barn
111	431	700	1730	5486	Barn
112	490	592	1430	4138	Barn
113	969	1023	2005	4642	Barn
114	1977	2013	3716	6050	Barn
115	1403	1439	3155	5488	Barn
116	1601	1635	3333	5690	Shed
117	1369	1406	3126	5453	Shed
118	1531	1540	3036	5625	Shed
119	1420	1428	2912	5509	Barn
120	1106	1114	2539	5179	Barn
121	1201	1209	2616	5272	Barn
122	977	985	2456	5055	Shed
123	1030	1040	2615	5130	Shed
124	993	1002	2535	5083	Barn
125	1040	1051	2289	5218	Barn
126	909	930	2210	5128	Barn
127	556	575	1868	4777	Barn
128	1317	1374	2681	5578	Barn
129	1428	1503	2816	5691	Barn

130	1476	1576	2915	5733	Barn
131	804	840	2175	4965	Barn
132	779	798	2133	4927	Barn
133	1412	1431	2618	5159	Shed
134	1738	1757	2894	5342	Shed
135	1679	1698	2850	5322	Barn
136	1789	1809	2856	5209	Barn
137	1783	1804	2779	5069	Barn
138	328	1235	1865	2584	Barn
139	564	1451	1830	2806	Barn
140	159	700	1970	2402	Barn
141	275	749	1997	2511	Barn
142	1801	2408	3455	4719	Shed
143	1784	2447	3477	4766	Barn
144	1784	2112	3054	4460	Shed
145	1917	2084	2743	4008	Barn
146	1453	1465	2034	3199	Barn
147	1655	1667	2234	3376	Barn
148	1985	2167	2674	3471	Barn
149	2022	2184	2699	3525	Barn
150	1798	2100	2545	3111	Garage
151	1879	2169	2620	3209	Garage
152	1190	1514	1950	2507	Barn
153	1081	1401	1838	2443	Barn
154	1120	1412	1858	2566	Barn
156	1604	1931	2366	2807	Burkmann Feeds of Summer Shade
157	1641	1983	2403	2652	Shed
158	1939	2278	2703	2952	Shed
159	1884	2211	2646	3047	Abandoned House
160	1960	2279	2717	3169	Shed
161	1794	2120	2555	2976	USPS Office
162	1711	2038	2473	2892	Shed
164	1927	2401	2813	2909	Abandoned House

165	1743	2279	2682	2727	Shed
166	1734	2437	2829	2751	Trailer
168	1662	2720	3076	2719	Shed
169	1987	3054	3416	3045	Barn
170	1821	1911	3778	4552	Barn
171	0	319	575	16069	Barn
172	349	316	722	14149	Barn
173	555	549	928	13919	Barn
174	634	670	1003	13789	Barn
175	336	827	1156	13553	Barn
176	0	55	580	8816	Barn
178	976	1162	1768	10036	Barn
179	941	1118	1664	10214	Barn
180	881	1050	1687	10306	Barn
182	0	228	1206	10397	Barn
183	0	120	1085	10274	Shed
184	0	129	1204	10357	Barn
185	31	185	1455	10398	Garage
186	45	132	510	12214	Barn
187	74	141	1233	3658	Barn
188	381	469	1590	3840	Barn
189	71	110	1609	3357	Barn
190	0	251	1050	2554	Barn
191	0	714	1209	1942	Barn
192	0	813	1269	1697	Barn
194	0	909	1410	1794	Barn
195	0	861	1434	1906	Shed
196	0	642	1421	1859	Barn
197	0	768	1526	1922	Barn
198	0	382	1176	1848	Substation Building
199	0	333	1097	1701	Substation Building
200	297	960	1776	595	Substation Building
201	170	648	1374	463	Substation Building

202	130	764	1593	633	Dollar General
203	51	626	1449	638	Storage Buildings
204	320	1578	2372	1030	Storage Buildings
205	283	1559	2437	1004	Storage Buildings
206	288	1595	2406	1053	Barn
207	400	1675	2550	1118	Shed
208	443	1781	2528	1249	Abandoned Trailer
209	669	2016	2368	1726	Shed
210	499	1802	2154	1551	Garage
211	493	1942	2323	1535	Barn
212	210	1653	2119	1239	Barn
213	0	1328	1889	916	Barn
214	0	1290	1754	940	Shed
215	0	996	1356	812	Barn
216	567	888	1247	1584	Shed
218	324	636	994	1490	Cemetery Buildings
219	244	501	851	1241	Cemetery Buildings
220	811	1417	1767	1719	Barn
221	826	1442	1791	1738	Shed
223	1688	2273	2671	2678	Barn
224	1653	2309	2701	2656	Barn
225	1786	2521	2911	2810	Barn
226	993	1116	1549	3795	Barn
228	1345	1382	1742	3221	Garage
229	0	370	1190	1122	Shed
231	0	279	1448	1736	Shed
232	0	290	1478	1784	Barn
233	0	351	1519	1756	Shed

***Non-residential structures with a distance of zero to the project boundary are within the project limits**

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SITING BOARD 2-3:

Refer to Summer Shade's response to Staff's First Request, Item 19. Provide, in detail, how Summer Shade has contacted non-residential structures within 2,000 feet of the Project boundary line in regard to the construction of this project.

Response: Non-residential structures on parcels adjacent to the Project were contacted as required via certified mail prior to the Project's public information meeting as well as prior to application filing. Beyond the immediately adjacent parcels, non-residential structures within 2,000 feet of the Project boundary were not contacted.

Witness: Aubree Muse

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SITING BOARD 2-4:

Refer to Summer Shade's response to Staff's First Request, Item 18. Provide, in detail, the communication and contact that Summer Shade has had with the owners of the residential structures within 2,000 feet of the Project boundary line in regard to the construction of this project.

Response: Please see Section 6. Public Notice Report of the Application for the contact log Summer Shade has kept. In Summer Shade's communication with landowners and neighbors, construction has come up as a frequent topic. Summer Shade would not be able to accurately recall exact conversations that have taken place over the last 3 or more years with owners within 2,000 feet of the Project, but common discussions that generally arose related to construction duration, number of workers on site, type of noise created, and whether construction will be phased or will take place all at once across the site. The Project's public information meeting in January 2025 was also an event where Project representatives were able to address construction questions with any owner of residential structures within 2,000 feet of the Project boundary, or with any interested attendees more generally.

Witness: Aubree Muse

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SITING BOARD 2-5:

Refer to Summer Shade's response to Staff's First Request, Item 22. Provide the noise level for the residences during peak construction for those nearest non-participating residences identified as being nearest to the fencing, closest solar panel, closest inverter, substation and battery storage.

Response: The maximum expected construction sound level is provided in the report for the receptor closest to a solar panel array (R-42). The closest receptor to the substation is R-66. The maximum construction sound level at this receptor expected to be 70 dBA. The closest receptor to the BESS equipment is R-61. The maximum construction sound level at this receptor is expected to be 78 dBA. The closest receptor to a solar inverter is R-05. The maximum construction sound level at this receptor is expected to be 85 dBA. The closest receptor to the project fence is R-02. The maximum construction sound level at this receptor is expected to be 90 dBA.

These maximum construction sound levels would only occur during pile driving activities and will be short in duration. These anticipated noise levels do not include the noise mitigation measures that Summer Shade has committed to in the SAR mitigation measures.

Witness: Shane Kelley

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SITING BOARD 2-6:

Explain whether Goodson Chapel Methodist Church is permanently closed and how Summer Shade confirmed this fact.

Response: See Siting Board 1-9 response, stating: Email outreach was made to the Goodson Chapel Methodist Church located near Goodson Chapel Road and Apple Grove Road, but no response was received. The church was also sent public notice letters for the Project's Public Information Meeting as well as notice of the Project's application filing, but it was returned by the Postal Service as undeliverable and unable to be forwarded. According to the United Methodist Church Online Directory and Statistics website (<https://www.umdata.org/church?church=380210>) the Goodson Chapel Methodist Church closed in June of 2023.

Summer Shade has also reached out directly via email to an email address listed on the Church's Facebook page with no response. However, on a recent trip to the site, the team learned from a participating landowner that the Church has been allowing a Priest from a neighboring parish to deliver a weekly Sunday morning mass at the Church.

Witness: Aubree Muse

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SITING BOARD 2-7:

List and describe all cave systems that exist within two miles of the project.

Response: According to the Kentucky Speleological Society (KSS) Cave Database, there are three caves located within 2-miles of the project area. Two of the caves (Piercy Cave and Buzzards Nest Cave) are located adjacent to each other approximately 2,950 feet west of the southernmost portion of the project area. The third cave (Harvey Cave) is located approximately 4,420 feet east of the northernmost portion of the project area. In addition to the caves identified by the KSS, Stantec biologists identified two more caves during field surveys. One cave (Cave-02) was located within the project area near the northern extent of the project and was approximately 50-ft in depth. Another cave (Cave-01) was located east of Larry Hope Road outside of the project area approximately 465 feet east of the project boundary. This cave was mapped using survey grade equipment to measure the depth and map the cave path. It was determined to be approximately 590-ft in depth. The entrance to this cave is approximately 3-ft wide and 4-ft in height with a stream flowing from the entrance.

Witness: Shane Kelley

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SITING BOARD 2-8:

List and describe all the archeological sites identified in the Stantec Cultural Resources Critical Issues Analysis Report.

Response: The Kentucky Office of State Archaeology (KyOSA) database indicated that at least two sites have been identified within the Project area. Site 15Mc302D was identified during the Weis et al. (1977) survey, but there is a discrepancy in its exact mapped location. Survey efforts in 1974 and 1977 indicated the potential that multiple sites were identified within fields to the east of Summer Shade, but only 15MC302D was recorded on KyOSA mapping. It is unclear if the site was incorrectly mapped or if the two mapped locations represent two different sites. The site represents a prehistoric lithic scatter of indeterminate age that was identified during pedestrian reconnaissance. The site's eligibility was not assessed at the time of its recordation. The second site is Shirley Cave (15Mc5) that was originally recorded by Webb and Funkhouser in 1932. The site was supposedly revisited in 1977 by Weis et al. but no survey form is available for the site within KyOSA records. Webb and Funkhouser's recordation of the cave would have been based on local informants rather than actual survey investigations, and as such little is known about the cave. It is recorded within KyOSA records as a prehistoric occupation of indeterminate age. Webb and Funkhouser noted an infant burial being reported at the cave by local informants. The identification of human remains within the cave would be consistent with general interment practices by Native Americans through specific portions of the prehistoric past. Additional sites in proximity to a cave or rockshelter, such as Shirley Cave, are common and it would be possible that these occupations outside of the cave may also be highly sensitive. The current mapped site boundary for 15Mc5 encompasses approximately 3.9 acres, an area that would likely be much

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larger than the actual cave or rockshelter. Summer Shade has avoided development within the entire 3.9-acre boundary of this resource.

Witness: Shane Kelley

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SITING BOARD 2-9:

Explain whether Light Detection and Ranging (LIDAR) has been utilized during the research and evaluation of the project.

Response: Yes. Light Detection and Ranging (LIDAR) was utilized during the research and evaluation of the project. LIDAR was utilized to prepare the project's topographic survey which is a key input to evaluation of the site's terrain.

Witness: Alfonso Tovar

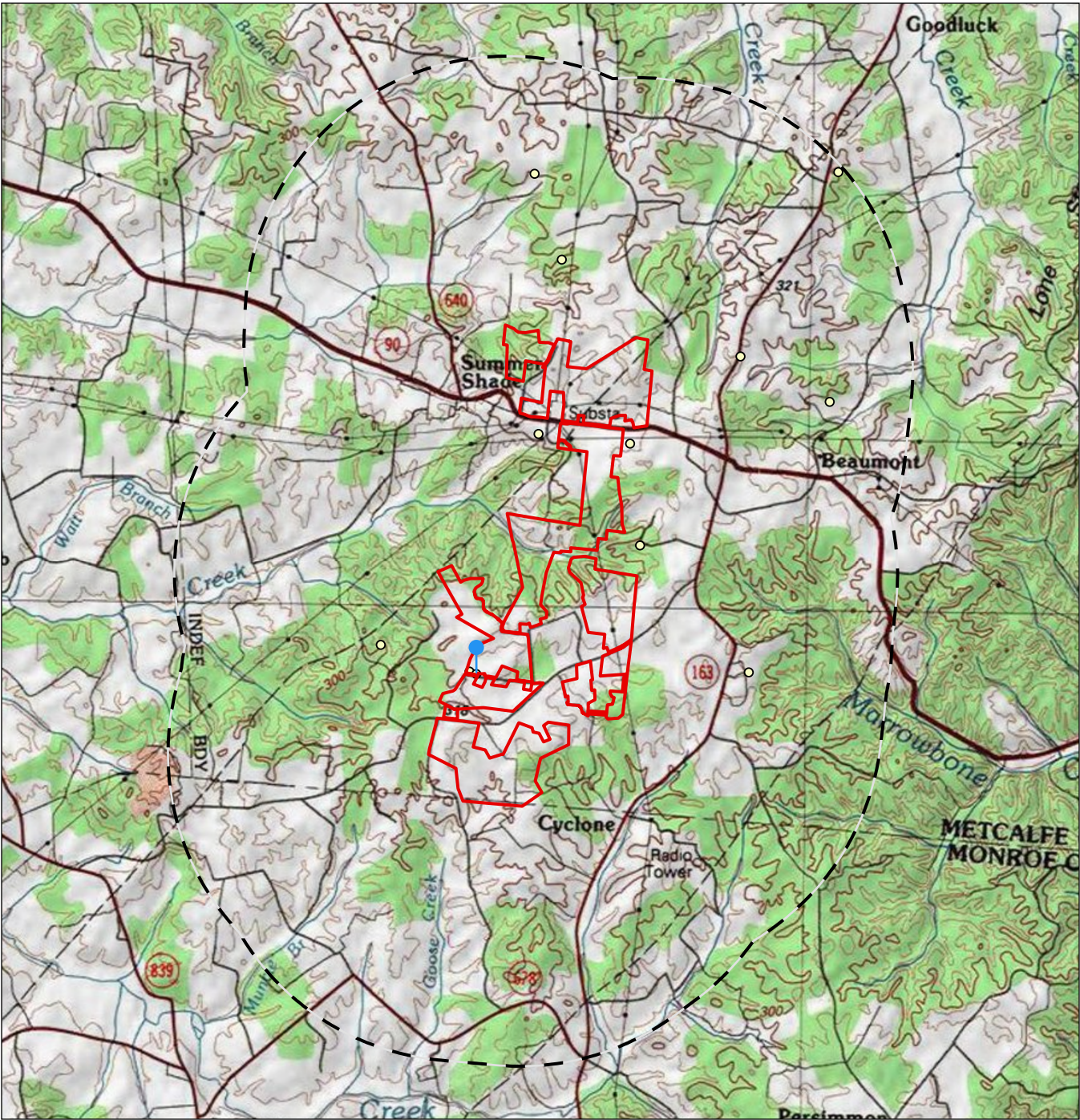
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SITING BOARD 2-10:

Refer to Summer Shade's response to Staff's First Request First, Item 61. Submit the map mentioned in the response.

Response: The map mentioned in response to Item 61 of the Staff's First Request of Information was inserted into the electronic file on the page immediately preceding the response to Item 61. It is being attached again to this response.

Witness: Shane Kelley



Notes
1. Coordinate System: NAD 1983 StatePlane
Kentucky South FIPS 1602 Feet
2. Data Sources: Stantec, Summer Shade Solar
LLC, KHC
3. Background: USGS Topographic Map

Legend
Project Boundary
2-mile Buffer
Cemetery (11 Total)

0 1,500 3,000 Feet
(At original document size of 8.5x11)
1:75,000



Project Location Metcalfe County, Kentucky Prepared by TCN on 2025-05-21

Client/Project Summer Shade Solar, LLC Summer Shade Solar Project RFI Responses 172658275

Figure No. E Title Cemeteries within 2 Miles

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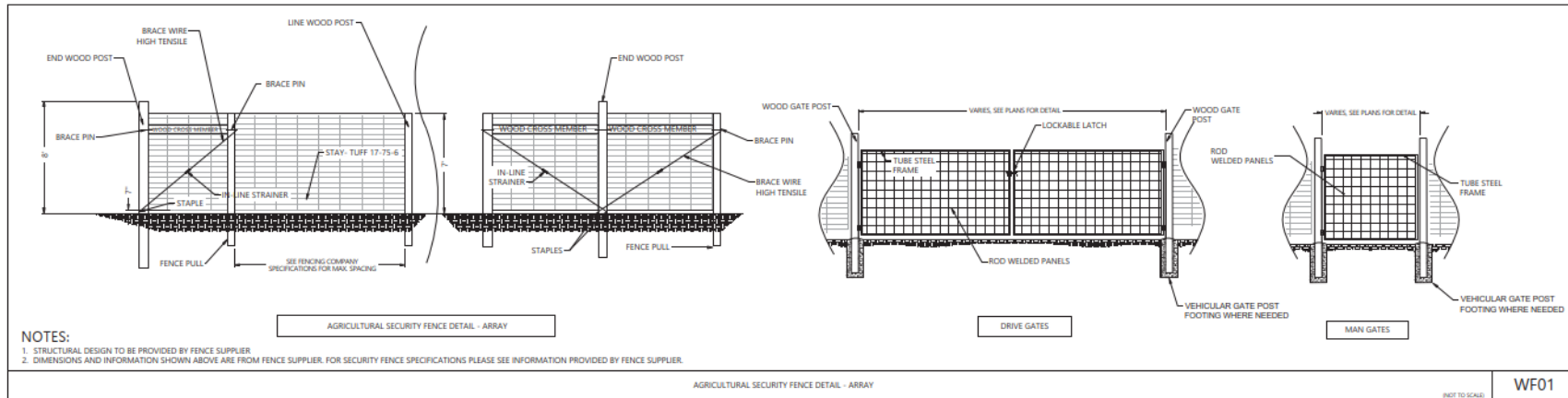
SITING BOARD 2-11:

Refer to Summer Shade's response to Staff's First Request, Item 99. Submit the attachment mentioned in the response.

Response: The attachment mentioned in response to Item 99 of the Staff's First Request of Information was inserted into the electronic file on the page immediately preceding the response to Item 99. It is being attached again to this response.

Witness: Shane Kelley

TYPICAL AGRICULTURAL SECURITY FENCE DETAIL - ARRAY



360 Pine Street, Suite 500
San Francisco, CA 94104

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SITING BOARD 2-12:

Refer to Summer Shade's response to Staff's First Request, Item 55. Explain whether Summer Shade will adopt the recommendations made in the geotechnical report.

Response: The engineering procurement construction (EPC) company will extend and complement the initial geotechnical survey performed by the engineering consultant. With the additional information collected, the EPC company will adopt or improve the construction recommendations provided by the engineering consultant.

Witness: Alfonso Tovar

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SITING BOARD 2-13:

Refer to Summer Shade's response to Staff's First Request, Item 55, the Geotechnical Report and Attachment F, Karst Risk Map. Explain whether any sections of the proposed site plan need to be reconfigured to accommodate the recommended karst setbacks displayed on the map. If yes, provide an updated site plan.

Response: No, the proposed site plan does not need to be reconfigured due to karst setbacks. The recommended karst setbacks have been considered in the proposed site plan.

Witness: Alfonso Tovar

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SITING BOARD 2-14:

Explain whether the United States Army Corps of Engineers and Environmental Protection Agency have been contacted to make a determination as to the presence of, and extent of, jurisdictional waters of the United States are present within the site. If yes, provide the determinations. If not, provide when contact will be made.

Response: Summer Shade held an initial coordination meeting with USACE on July 17, 2024 to discuss streams and wetlands on the site and preliminary design. Summer Shade plans to submit a USACE Nationwide Permit Application for impacts to jurisdictional waters on the site. The permit application would be included with a request for jurisdictional determination on delineated features on the site. As of this time, no determinations of jurisdictional waters have been made by USACE.

Witness: Shane Kelley

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SITING BOARD 2-15:

Explain what mitigation measures will be put in place to protect the proposed endangered tricolored bat (*perimyotis subflavus*) located close to the project boundary.

Response: The tricolored bat was captured during fall 2024 swarming surveys and identified during winter 2025 hibernacula surveys at the unnamed cave identified approximately 465 feet east of the project area. The cave was mapped using survey grade equipment to ensure that the cave did not traverse underneath the panel-location area so that pile driving activities would not impact the cave. Additionally, no tree clearing will be conducted within the vicinity of the cave entrance to preserve the surrounding habitat for the species.

Witness: Shane Kelley

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SITING BOARD 2-16:

Refer to Summer Shade's response to Staff's First Request, Item 81 and Stantec Bat Mist Net Survey. Of the 523.08 acres of forest which was determined to be potential summer habitat for the federally endangered Indiana bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*), as well as the proposed federally endangered tricolored bat (*Perimyotis subflavus*), describe the portion proposed to be deforested during construction.

Response: Summer Shade plans to clear approximately 138 acres of forested area to facilitate the development of the project. The forested area to be cleared consists mainly of upland and riparian deciduous forest within forested blocks or along tree lines between agricultural fields. Summer mist net surveys determined the absence of the aforementioned listed bat species within the project area during the summer season.

Witness: Shane Kelley

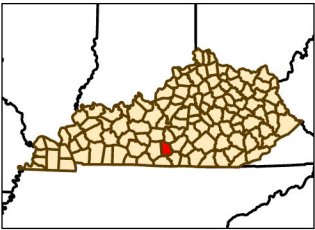
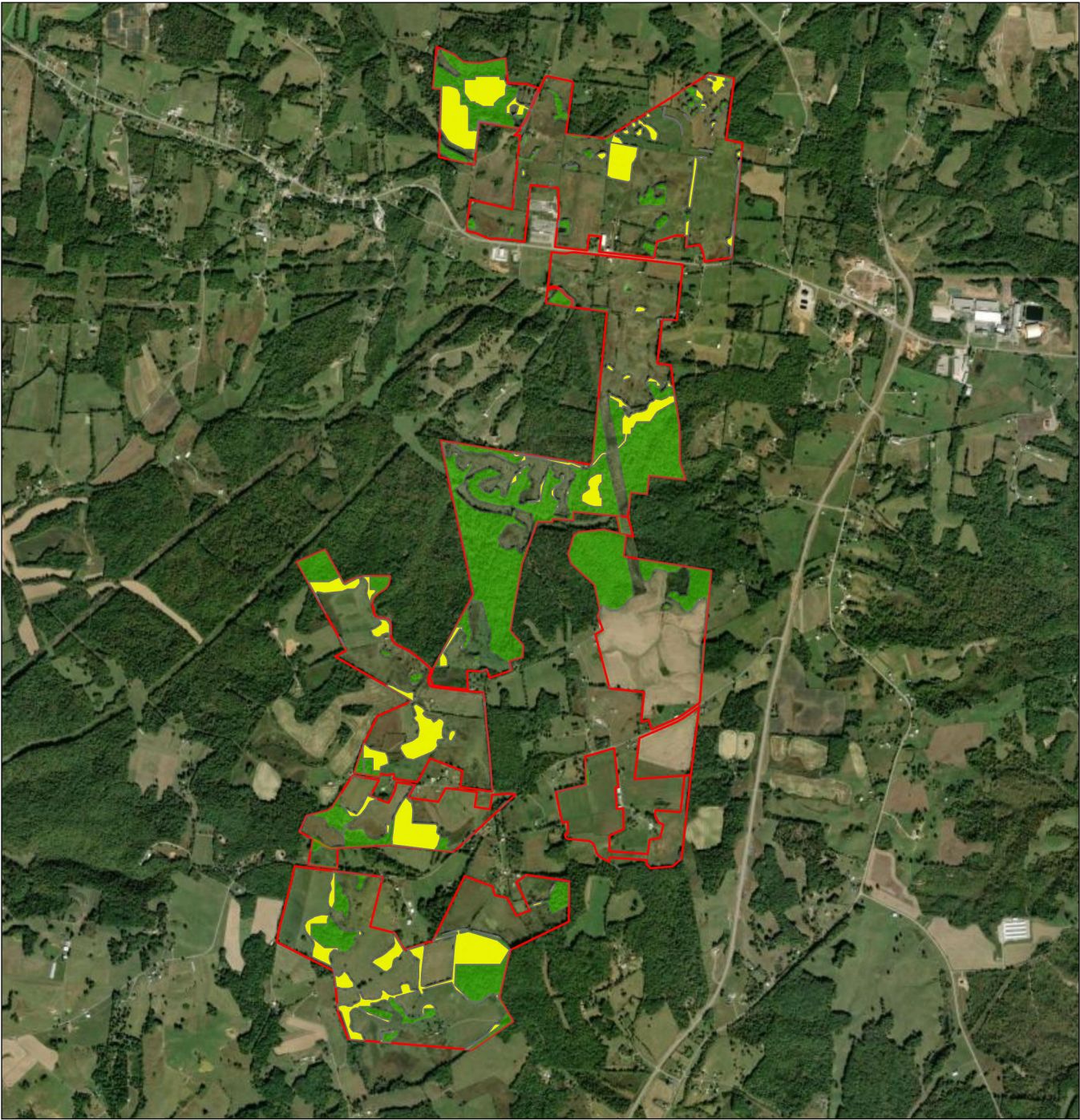
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SITING BOARD 2-17:

Refer to Summer Shade's Response to Staff's First Request, Item 81 and Stantec Bat Mist Net Survey. Provide a map showing the boundaries of the 523.08 acres of summer bat habitat forest, and the proposed 246 acres of vegetative clearing expected during construction.

Response: The current project extents contain approximately 454 acres of forested habitat. The project design anticipates only clearing approximately 138 acres of forest to support project development. See the attached map below showing current forested bat habitat on the project site and the anticipated tree clearing areas.

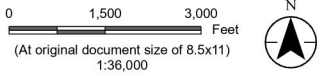
Witness: Shane Kelley



Notes
1. Coordinate System: NAD 1983 StatePlane
Kentucky FIPS 1600 Feet
2. Data Sources: Stantec, Summer Shade Solar LLC
3. Background: ESRI World Imagery Hybrid

Legend

- Project Boundary
- Tree Clearing Area (137.89 acres)
- Forested Area (453.65 acres)



Project Location Prepared by LD on 2025-07-25
Metcalfe County, Kentucky
Client/Project 172658275
Summer Shade Solar, LLC
Summer Shade Solar Project
RFI Responses
Figure No.
D
Title
Site Tree Clearing

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SITING BOARD 2-18:

Provide the name and business who will perform inspections of the BESS facility prior to and during operations. Include in the response the frequency of inspections and details of inspection criteria.

Response: The BESS facility will be developed under the supervision of the BESS manufacturer and the EPC company. After construction, the operations and maintenance company will follow maintenance protocols as per the BESS's manufacturer instructions. BESS are monitored 24/7 once installed and in operations. No BESS manufacturer, EPC company or operations and maintenance company have been selected.

Witness: Alfonso Tovar

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-19:

All other qualifications for the positions being equal, explain whether Summer Shade intends to hire as many local workers for the construction and operation phases of the project as possible. If so, include how Summer Shade intends to accomplish that.

Response: Summer Shade will make recommendations to hire local workers for the construction and operation phases of the project. The EPC company and operations company will have discretion over hiring for these phases of the project. Typically, the companies prefer to use as much local labor as possible to optimize costs.

Witness: Aubree Muse

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-20:

Provide the anticipated start date and end date of construction.

Response: The earliest anticipated start of construction is second quarter (Q2) 2026, with a target commercial operation date of Q2 2028.

Witness: Alfonso Tovar

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-21:

Detail any communications with members of the public, including neighboring landowners, regarding construction noise.

Response: Please see response to Item #4 above and Section 6 of the Application including the Public Notice Report for the contact log Summer Shade has kept. Please also see Appendix D of the Application. for Summer Shade's Noise Assessment. In Summer Shade's communication with landowners and neighbors, construction has come up as a frequent topic. Summer Shade would not be able to accurately recall exact conversations that have taken place over the last 3 or more years with owners within 2,000 feet of the Project. In regards to construction noise, Summer Shade was able to share that a noise study was conducted that evaluated both operational noise levels as well as expected construction noise levels. The estimated sound levels of 67 to 90 dBA during construction are predicted at the nearest noise-sensitive receptor, while construction sound levels are expected to be lower at other identified receptors that are farther away. Note that these maximum construction sound levels would only occur during pile driving activities and will be short in duration and during only daytime hours. In addition, these anticipated noise levels do not include the noise mitigation measures that Summer Shade has committed to in the Site Assessment Report proposed mitigation measures. The Project's public information meeting in January 2025 was also an event where Project representatives were able to address questions about construction noise with members of the public, including neighboring landowners.

Witness: Aubree Muse

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-22:

Provide a chart with the expected noise level during pile driving at each noise receptor within 1,500 feet of the project boundaries.

Response: Please see the attached table below showing expected noise levels for each receptor during pile driving activities

Witness: Shane Kelley

Estimated Pile Driving Sound Level at Each Receptor

Receptor ID	Estimated Pile Driving Sound Level		Distance to Project Boundary	Distance to Nearest Solar Panel
	Lmax	Leq		
	dBA	dBA		
R-01	90	83	100	193
R-02	90	83	30	185
R-03	85	78	79	327
R-04	85	78	198	332
R-05	85	78	119	320
R-06	84	77	195	362
R-07	85	78	88	328
R-08	88	81	119	229
R-09	81	74	165	521
R-10	82	75	153	475
R-11	82	75	152	460
R-12	70	63	1,650	1,768
R-13	71	64	1,379	1,643
R-14	71	64	1,571	1,709
R-15	72	65	1,053	1,442
R-16	86	79	129	285
R-17	83	76	315	424
R-18	76	69	904	964
R-19	84	77	97	358
R-20	83	76	268	390
R-21	73	66	1,249	1,334
R-22	73	66	1,192	1,252
R-23	69	62	1,870	1,990
R-24	77	70	587	798
R-25	69	62	1,502	2,078
R-26	68	61	1,637	2,421
R-27	70	63	771	1,845
R-28	71	64	1,098	1,728
R-29	69	62	1,305	1,948
R-30	73	66	989	1,357
R-31	76	69	655	946
R-32	85	78	216	329
R-33	69	62	2,004	2,094
R-34	69	62	1,950	2,037
R-35	69	62	1,911	1,994
R-36	72	65	1,306	1,401
R-37	72	65	1,326	1,406
R-38	71	64	1,512	1,566
R-39	72	65	1,411	1,464
R-40	74	67	1,069	1,125
R-41	83	76	171	411

Receptor ID	Estimated Pile Driving Sound Level		Distance to Project Boundary	Distance to Nearest Solar Panel
	Lmax	Leq		
	dBA	dBA		
R-42	90	83	66	185
R-43	87	80	71	246
R-44	77	70	635	826
R-45	74	67	922	1,188
R-46	75	68	972	1,053
R-47	77	70	611	797
R-48	71	64	1,358	1,554
R-49	70	63	1,692	1,848
R-50	69	62	1,903	1,963
R-51	70	63	1,778	1,849
R-52	66	59	2,146	2,823
R-53	70	63	1,664	1,874
R-54	70	63	1,732	1,783
R-55	68	61	1,868	2,236
R-56	68	61	1,902	2,294
R-57	70	63	1,493	1,854
R-58	71	64	1,278	1,649
R-59	71	64	1,197	1,602
R-60	73	66	929	1,311
R-61	78	71	388	759
R-62	67	60	1,744	2,539
R-63	70	63	452	1,802
R-64	69	62	460	1,981
R-65	69	62	581	2,149
R-66	70	63	212	1,802
R-67	72	65	131	1,444
R-68	76	69	101	942
R-69	74	67	971	1,104
R-70	76	69	761	935
R-71	74	67	1,068	1,133
R-72	86	79	117	306
R-73	88	81	135	222
R-74	88	81	75	227
R-75	82	75	427	482
R-76	80	73	529	603
R-77	81	74	464	518
R-78	76	69	65	927
R-79	65	58	3,082	3,172
R-80	68	61	2,298	2,363
R-81	69	62	2,094	2,171
R-82	72	65	1,421	1,485

Receptor ID	Estimated Pile Driving Sound Level		Distance to Project Boundary	Distance to Nearest Solar Panel
	Lmax	Leq		
	dBA	dBA		
R-83	82	75	405	474
R-84	71	64	1,283	1,596
R-85	74	67	1,075	1,154
R-86	72	65	1,334	1,415
R-87	86	79	144	277
R-88	77	70	637	831
R-89	88	81	70	225
R-90	73	66	1,201	1,306
R-91	70	63	1,742	1,844
R-92	76	69	845	900
R-93	90	83	95	188
R-94	77	70	613	788
R-95	82	75	262	444
R-96	80	73	504	605
R-97	89	82	67	201
R-98	83	76	75	414
R-99	83	76	124	413
R-100	82	75	150	445
R-101	87	80	81	264

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-23:

Explain any plans to coordinate with local landowners or others in case of complaints or other issues that might arise during the construction or operations.

Response: Please see response to Item #41 below. Summer Shade will finalize a Complaint Resolution Plan prior to construction that will detail the plan to coordinate with local landowners or others in case of complaints or other issues that might arise during construction and operations. A draft Complaint Resolution Plan is included in the response to Item #41 below.

Witness: Aubree Muse

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-24:

Refer to Exhibit D, Noise Assessment. Provide additional calculated noise level reflecting the cumulative levels of construction related and ambient noise for the following noise receptors:

- a. R66.
- b. R61.
- c. R05.
- d. R42.

Response: Ambient sound levels in the area were not measured but typically range between 40 and 55 dBA during the daytime. During construction (which occurs during the daytime), the cumulative sound level is expected to be the same as the construction sound levels noted in the response above to Item #5. Ambient sound is not expected to increase the cumulative sound level.

Witness: Shane Kelley

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-25:

Explain any mitigation measures for time of day and day of week for pile driving or other construction activities that produce the same level of sound.

Response: Summer Shade proposes that pile driving and other construction activities that produce the same level of sound will be limited to 7 a.m. to 9 p.m. local time, Monday through Saturday.

Witness: Shane Kelley

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-26:

Describe any specific measures to be taken to reduce noise impacts for nearby residents during construction.

Response: If pile driving occurs within 1,000 feet of a noise-sensitive receptor, Summer Shade Solar shall implement a construction method that suppresses the noise generated during the pile driving process (i.e., semi-tractor and canvas method, sound blankets on fencing surrounding the solar site, or any other comparable method). Construction will also only occur in the timeframes stipulated in the mitigation measure provided in the Site Assessment Report.

Witness: Shane Kelley

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-27:

Provide the expected percentage of construction traffic that will utilize each of the construction site entrances. Include in the response separate percentages for delivery traffic and commuting worker traffic by entrance. If this is expected to change during different phases of construction, break the percentages down by construction phase.

Response: The schedule and distribution of construction traffic that will utilize each of the construction site entrances will be determined by the EPC company. The project anticipates equal usage of all entrances with the exception of higher usage for entrances to staging areas/construction site office.

Witness: Alfonso Tovar

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-28:

Provide an updated delivery plan for the construction phase of the project. Include in the response a list of all roads and bridges that will be used and what equipment will be delivered along which routes and through which access points.

Response: A definitive delivery plan for the construction phase is not available at this time. Once the EPC company is engaged, we will be able to provide detailed information. We are in preliminary discussions with Metcalfe County regarding road use, including discussions on road use during construction.

Witness: Shane Kelley, Alfonso Tovar

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-29:

Explain whether a power purchase agreement has been finalized. If not, provide a timeline for drafting and finalizing a power purchase agreement.

Response: No purchase power agreement has been executed. The Project is actively pursuing options for potential power offtakers, and there is no definitive timeline for finalizing such an agreement.

Witness: Aubree Muse

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-30:

Provide information on the anticipated impact that fugitive dust will have on the project.

Response: Summer Shade anticipates no impact from fugitive dust from the project. Water trucks will be utilized to reduce dust during construction as necessary.

Witness: Shane Kelley

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-31:

Provide any updates to vegetative screening plans.

Response: There have been no updates to the vegetative screening plans as submitted.

Witness: Shane Kelley

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-32:

State the number of years it will take for planted trees and shrubs to reach mature height.

Response: Predicting growth rates on trees can be difficult given that each species grows at different rates, and site conditions can play a large role in the growth rate of the plants as well. However, for the species we have listed, it is estimated that the species proposed would be approaching their mature height around the 25-30 year mark. Since these plants do not typically hit a set height and stop growing, their ultimate “mature height” would be determined by the longevity of the tree. Vegetative screening will, at minimum, reach a height of 6 feet and width of 10 feet within four years after planting.

Witness: Shane Kelley

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-33:

Describe any other forms of visual barriers to be implemented between the time of vegetation planting and the time when trees and shrubs will reach mature height.

Response: Summer Shade is not planning to implement other forms of visual barriers between the time of vegetation planting and the time when the trees and shrubs will reach mature height. The site's topography, vegetation plantings and existing vegetation will help preserve viewsheds across the site.

Witness: Aubree Muse

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-34:

Provide the average number of construction workers on-site each day over the course of the construction period.

Response: Workers on site follow a curve that resembles a gaussian distribution, with the peak approximately halfway through construction. At peak, which may last 3 to 4 months, about 250 workers may be distributed across the entire site on a daily basis.

Witness: Alfonso Tovar

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-35:

Provide the peak daily number of construction vehicles accessing the site, identified by vehicle type (i.e. worker vehicles, delivery trucks, cement trucks, water trucks, tractor trailers or other types of general delivery trucks (if utilized), and other.

Response: The distribution and type of vehicles accessing the site will vary throughout the construction period; the final schedule and distribution will be determined by the EPC company. The project expects 11-20 flatbed trailers vehicles per day will be accessing the site during the peak construction period which we would expect to last approximately 3 to 4 months. Other types of construction vehicles (worker vehicles, pickups, delivery vehicles or water trucks) will be utilized as necessary. It is difficult to estimate the peak daily number of these types of vehicles, but they would be spread throughout the site entrances depending on current construction activities. No cement trucks are expected to be used for this project.

Witness: Alfonso Tovar

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-36:

Provide the maximum expected load weights, for each type of delivery truck, identified by the type of truck, including cement trucks, water trucks, tractor trailers or other types of general delivery trucks.

Response: Delivery trucks for equipment and materials will be typical 2-axle flatbed trailers with 40,000 lbs to 60,000 lbs load capacity. No cement trucks are expected to be used. Water trucks if used, will be standard 2,000- or 4,000-gallon water trucks. Heavy construction equipment such as backhoes and bulldozers may require 3-axle flatbed trailers for delivery, but this will be determined by the EPC company.

The only truck-hauling equipment that may require KTC overweight/over-dimensional permits will be the trailer transporting the main power transformer. The transportation and delivery of this equipment will be carefully planned by the EPC company and transformer manufacturer. All required permits will be managed by the EPC company.

Witness: Alfonso Tovar

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Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-37:

Provide the peak daily number of construction vehicles accessing the site, identified by vehicle type (i.e. worker vehicles, delivery trucks, cement trucks, water trucks, tractor trailers or other types of general delivery trucks (if utilized), and other.

Response: Please refer to the response to Item 35 above.

Witness: Alfonso Tovar

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-38:

Refer to Summer Shade's Application, page 4. Summer Shade stated, "[t]here are six residential neighborhoods, per KRS 278.700(6), within 2,000 feet of the Project's radius." Refer to Appendix D, Limited Noise Assessment, provides there are six residential receptors located within 2,000 feet of the Project boundary that meet the definition of residential neighborhood according to KRS 278.700. Refer to Motion for Deviation, page 1, provides that there are no residential neighborhoods, schools, hospital or nursing homes facilities within 2,000 feet of the Project. Explain the discrepancy.

Response: Simply put, the change in the Motion regarding setbacks from prior statements was based on a more thorough review of the six areas discussed in the Motion. As stated in footnote 1 of the Motion regarding setbacks, the Notice of Intent indicated that it would seek a deviation from the setbacks set forth in KRS 278.704(2). In addition, in Section 2 of the Application, it indicated that there were six residential neighborhoods within 2,000 feet of the Project's radius. (The Noise Assessment attached as Appendix D to the Application likewise relied on the same cursory information to indicate that there were six residential receptors located within 2,000 feet of the Project boundary that meet the definition of a residential neighborhood.) A further review of the relevant information indicates that none of these areas would be considered residential neighborhoods requiring a deviation from the setback requirements of KRS 278.704, as discussed fully within the Motion regarding setbacks. Accordingly, Summer Shade corrected and clarified its prior statements in the Notice of Intent and Application with the information contained in that Motion.

Witness: Legal / Aubree Muse

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Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-39:

Explain the justification for requesting a deviation from the 2,000-foot setback requirement for residential neighborhoods.

Response: As stated in the Motion regarding setbacks filed on May 16, 2025, Summer Shade does not believe that there are any residential neighborhoods (or any other triggering structures) within 2,000 feet of the Project that would require a deviation to the setback requirements of KRS 278.704(2). In that Motion, Summer Shade described six areas that it evaluated for consideration of whether each area could fall within the definition of “residential neighborhood.” (See Motion at 4-16.) None of the six areas were “a populated area of five (5) or more acres containing at least one (1) residential structure per acre” where there were at least five parcels within 2,000 feet of the project boundaries. Of the six areas, only “Area 3” was a populated area of five (5) or more acres containing at least one (1) residential structure per acre, but Summer Shade submits that Area 3 would be disqualified from the definition of residential neighborhood because Area 3 does not have a minimum of five parcels within 2,000 feet from the Project boundaries. For these reasons, Summer Shade does not believe a deviation is required and respectfully requests an order from the Siting Board confirming that a deviation from KRS 278.704(2) is not necessary. (A sentence on page 17 of the Motion erroneously omitted the word “not” and should have stated, “Summer Shade requests an order from the Siting Board confirming that a deviation from KRS 278.704(2) is not necessary.”) If the Siting Board determines that Area 3 (or any other area) meets the definition of a residential neighborhood, Summer Shade respectfully requests a deviation from the applicable setbacks identified in KRS 278.704, on the grounds that “the proposed facility is designed to and, as located, would meet the goals of KRS 224.10-280, 278.010, 278.212, 278.24, 278.216, 278.218,

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and 278.700 to 278.716 at a distance closer than those provided in subsection (2) of' KRS 278.704.

This justification is more fully described on pages 19-28 of the Motion.

Witness: Legal / Aubree Muse

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Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-40:

Provide the distance of the setback that Summer Shade is requesting if the Motion for Deviation is granted.

Response: If a deviation is required, Summer Shade understands that an approved distance for deviation may be variable based on a specific area that falls within the definition of a residential neighborhood. Accordingly, Summer Shade would submit it is appropriate to base any approved distance based on the project plans as submitted in this case with a reasonable margin in case plans are slightly modified. For example, in response to Item 21 of the First Request for Information, Summer Shade indicated that the closest parcel in Area 3 was approximately 1,955 feet from the planned location of a panel. If a deviation is required for Area 3, it would be appropriate to the approved distance at 1,900 feet, which would allow small changes to the plans without negatively impacting surrounding areas. This distance is far greater than other distances approved by the Siting Board for deviation. *See, e.g., Hummingbird Energy, LLC, Case No. 2022-00272 at Appendix A page 4 (K.S.B. Dec. 13, 2023) (approving a deviation to the setback requirements such that a panel could be placed 300 feet from a residential neighborhood).*

Witness: Legal / Aubree Muse

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-41:

Explain whether a complaint resolution program is going to be created for this project. If so, explain in detail the program. If not, please explain why not.

Response: Yes, a complaint resolution program will be developed for the project prior to construction. The program will include a complaint filing process detailing contact information via phone, mail, and email as communication methods by which anyone wishing to submit a comment or complaint can use. The plan will also detail a review process outlining who is responsible for addressing the complaints and assessing if there are any violations of federal, state, or local laws or permit conditions. The plan will also include a resolution timeline to commit to. A draft of this plan to be finalized pre-construction is attached below.

Witness: Aubree Muse

INSERT LETTERHEAD

To be mailed to adjacent landowners/tenants & Metcalfe County Judge Executive approximately 30 days prior to start of construction.

Re: SUMMER SHADE SOLAR, LLC KYSB CASE NO. 2025-00064

Dear Metcalfe County Landowner/Tenant:

Summer Shade Solar, LLC (Summer Shade Solar) plans to start construction of 106 megawatt (MW) utility scale photovoltaic project on or around **Month Year**. Civil construction work is scheduled to continue through the **month year**. Equipment installation is planned between the **month year** and **month year** with testing and commissioning occurring into the **month year**. Final site work will occur in the **quarter of year**.

Generally, construction activities will take place during daylight hours. Summer Shade Solar will limit construction activity, process, and deliveries, including field visits, arrival, departure, planning, meetings, surveying, etc to the hours between 6 a.m. and 10 p.m. local time, Monday through Saturday. Select non-noise causing activity and non-construction work may be required during night hours when equipment is not energized. Construction activities that create a higher level of noise, such as pile-driving, will be limited to 7 a.m. to 9 p.m. local time, Monday through Saturday.

Attached to this letter is the Project's Complaint Resolution Plan.

Sincerely

Name
Title
Contact Information

Enclosure: Attachment A – Summer Shade Solar Project Complaint Resolution Plan

Attachment A – Summer Shade Solar Project Complaint Resolution Plan
(DRAFT - to be finalized prior to construction)

SUMMER SHADE SOLAR PROJECT COMPLAINT RESOLUTION PLAN (DRAFT)

Summer Shade Solar LLC (Summer Shade Solar) is proposing to construct the summer shade solar project on approximately 737 acres in Metcalfe County. The project decided on private property in a rural agricultural area however there are several public roadways and residents in the vicinity of the project summer shade solar endeavors to ensure the project is construction operated in a responsible matter to minimize impact on neighbors nearby neighbors and those passing through the area.

Summer Shade Solar will construct and operate the project in accordance with all applicable federal state and local laws and permits however if residents observe issues during construction or operation a defined complaint resolution plan has been established to define a process for receiving investigating and addressing complaints.

COMPLAINT FILING PROCESS

Individuals wishing to file a complaint will be run for options including:

1. The project will establish a phone number that will be included in this plan and provided to Metcalfe County once it is established. Individuals may call this number at any time to report emergencies or submit complaints. See information needed below to thoroughly address any issue reported.

INSERT PHONE NUMBER

2. Individuals make visits temporary on site management office during construction or the permanent on site operations and maintenance building during normal business hours to file a written complaint with the construction manager or O&M staff respectively.

3. Individuals may submit written complaints by mail to:

INSERT MAILING ADDRESS

4. Individuals may also submit complaints via e-mail to the construction staff/O&M staff during construction and operations respectively. E-mail addresses will be included in this plan provided to Metcalfe County once they are established.

INSERT EMAIL ADDRESSES

The following information should be provided for Summer Shade Solar to accurately and thoroughly address complaints:

- Name and contact information of the complainant;
- Date of complaint;
- Detailed description of complaint, including, if possible the location date and time that the issue occurred and any other details would help identify and resolve the issue.

COMPLAINT REVIEW PROCESS

Summer Shade Solar will coordinate with the complainant to quickly and effectively address issues such that both parties are satisfied, Summer Shade Solar will enter complaints into a complaint log, document the details of the complaint, and assign a point of contact to investigate the complaint, The construction manager, or alternative designee, will be responsible for initiating the review of complaints received during the construction process. O&M staff will be responsible for initiating the review of complaints reported during the operational phase.

Summer Shade Solar will first determine if complaints violate federal, state, or local laws or permit conditions, and if there are notifications or required steps to address those violations, Summer Shade Solar will also determine if outside resources are necessary to address issues. Summer Shade Solar is committed to resolving reasonable complaints within 30 days, unless extenuating circumstances necessitate a longer time period, or it is determined that the complaint is unresolvable, Summer Shade Solar will provide an explanation to the complainant for the extended period and the timeline for addressing the complaint should complaint resolution take longer than 30 days.

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Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-42:

Explain whether the decommissioning will result in any significant economic impact benefitting state and local governments, the community, and its residents.

Response: Much of the projected cost of decommissioning would be for labor. Metcalfe County levies a one percent occupational tax, and thus decommissioning would generate a one-time bump in tax revenues to the County Fiscal Court. There would be some small local spinoff impacts from spending with vendors and from employee spending, thus supporting a few jobs that year. Also, the return to agricultural use would bring back several direct and spinoff jobs from farming. A return to agricultural use would greatly reduce the annual property tax revenues from the site. We estimated these to average \$208,000 per year while the solar farm was operating, compared to only \$10,000 from current agricultural use.

Moreover, the County would lose several operations jobs at the solar farm, and the County government would lose several thousand dollars in annual occupational taxes levied on the compensation of those employees.

Witness: Paul Coomes

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Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-43:

Explain whether neighbors or adjacent landowners will be affected by noise levels during pile driving. Provide any documents or studies to support the explanation.

Response: Construction noise and pile driving will only occur during the daytime periods. Noise during pile driving is expected to be audible at adjacent residences and may be disruptive to outdoor activities at times during peak construction periods. However, at any given location adjacent to the project, the loudest construction activities, such as pile driving, will occur for a relatively short duration before construction moves to other areas of the site.

Witness: Shane Kelley

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-44:

Refer to Exhibit D, Noise Assessment. Provide additional calculated noise levels reflecting the cumulative levels of construction related and ambient noise for the following noise receptors:

- a. R61.
- b. R66.
- c. R05.
- d. R42.

Response: Please see the response above to Item #24 above.

Witness: Shane Kelley

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Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-45:

Provide information on whether there will be an erosion and sedimentation control plan for the project. If so, provide the plan.

Response: Yes, an erosion and sedimentation control plan will be created for the project. This plan will be prepared and finalized prior to construction.

Witness: Aubree Muse

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-46:

Explain any commitments regarding infrastructure removal or land restoration during decommissioning, including in the landowner lease agreements.

Response: Upon termination of the Agreement, Lessee shall remove any above grade facilities from the project, and the property shall be restored to a condition as reasonably similar to its condition at the effective date of the lease. For additional information, please refer to the leases provided in response to Item 1 to the First Request for Information.

Witness: Aubree Muse

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-47:

Provide the name of the company that will employ the individuals that are or will be responsible for ensuring compliance with the statements in the Application, as well as any conditions imposed by the Siting Board during construction and operation of the project.

Response: There will be multiple companies responsible for ensuring compliance with statements in the Application; including the EPC company, O&M company, and long-term owner of the project. The EPC and O&M companies are yet to be selected. As is typical with many projects, ownership of the project can be transferred, in which case the acquiring entity will be required to comply with commitments and mitigation measures ordered in this case.

Witness: Aubree Muse

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-48:

Explain whether Summer Shade will pursue an Industrial Revenue Bond or PILOT with Metcalfe County.

Response: Summer Shade will pursue an Industrial Revenue Bond and PILOT with Metcalfe County. Summer Shade has had preliminary discussions with County leadership to discuss the concept and to share that we welcome continuing the conversation when they are available to do so.

Witness: Aubree Muse

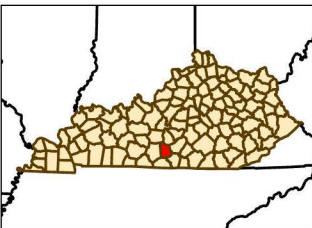
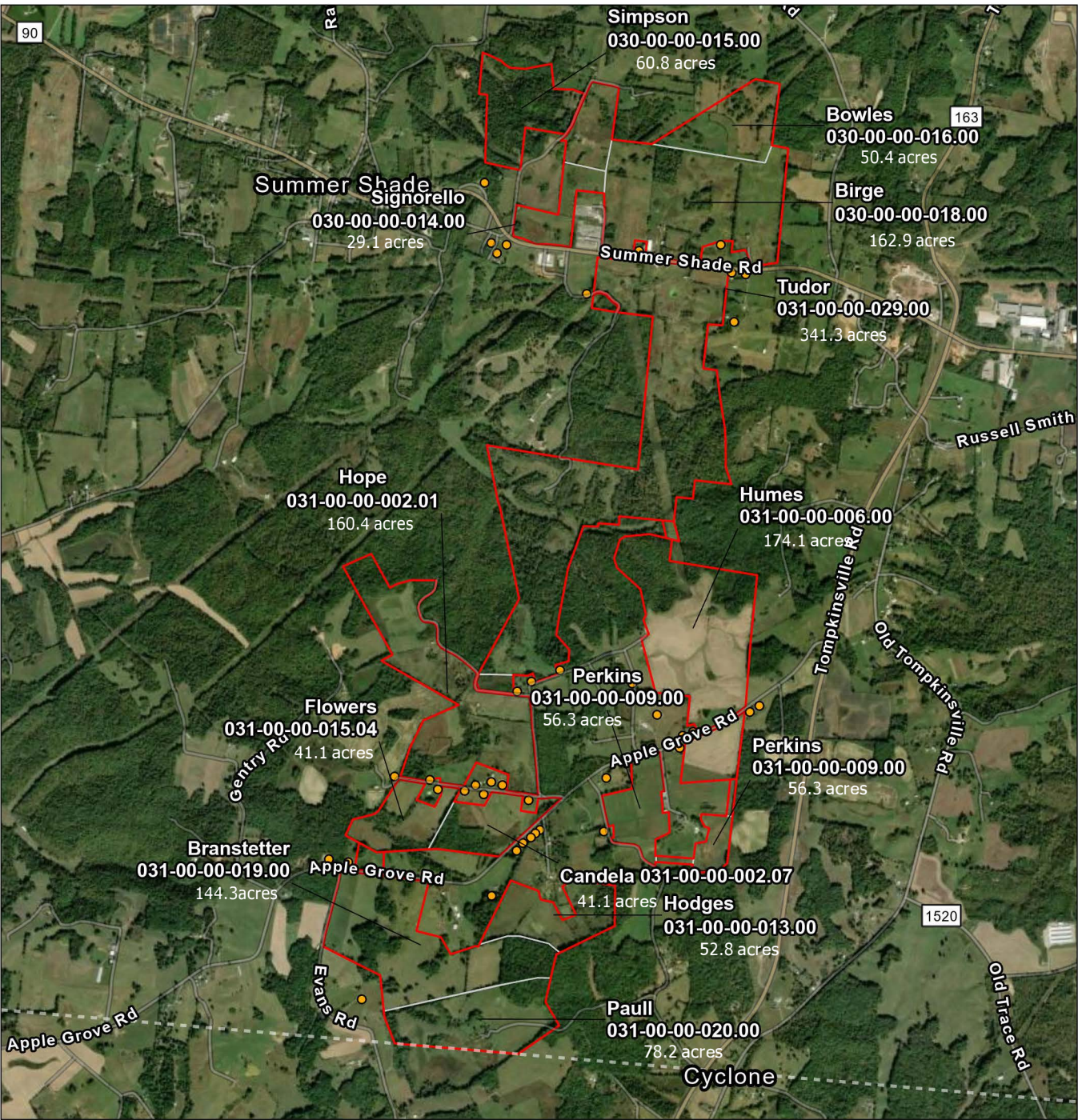
Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-49:

Provide a parcel map for the proposed site. Include all residences within 500 feet of the proposed project site. Include whether the residences are participating or non-participating homes.

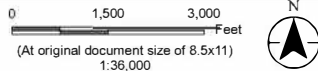
Response: See the attached map below showing participating landowner parcels and adjacent non-participating homes within 500 feet of the project.

Witness: Shane Kelley



Notes
1. Coordinate System: NAD 1983 StatePlane
Kentucky FIPS 1600 Feet
2. Data Sources: Stantec, Summer Shade Solar LLC
3. Background: ESRI World Imagery Hybrid

- Legend**
- Project Boundary
 - Parcel Boundaries (Participating Landowners)
 - Non-Participating Homes (500ft)



Project Location
Metcalfe County, Kentucky

Client/Project
Summer Shade Solar, LLC
Summer Shade Solar Project
RFI Responses

Figure No.
F

Title
Parcels and Landowners Overview

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-50:

Refer to Summer Shade's response Staff's First Request, Item 18. Provide a detailed table listing all residential structures within 2,000 feet of the Project boundary line. Indicate whether the residential structures are participating or non-participating.

Response: Please see the attached table below for the requested information. There are several participating residential structures within the project boundary but outside of the fenced area for the arrays.

Witness: Shane Kelley

Residential Structure Distances					
Name	Closest Distance to Array (ft)	Closest Distance to Boundary (ft)	Closest Distance to Inverter (ft)	Closest Distance to Substation (ft)	Status
1	1486	1422	2673	17989	Non-participating
2	474	405	3061	15902	Non-participating
3	1054	973	2658	14408	Non-participating
4	1155	1075	2666	14021	Non-participating
5	1415	1334	2097	14118	Non-participating
6	277	182	1364	13402	Non-participating
7	193	100	1218	11537	Non-participating
8	185	30	791	11427	Non-participating
9	327	79	572	11506	Non-participating
10	333	198	548	11366	Non-participating
11	320	119	338	11519	Non-participating
12	362	195	584	11264	Non-participating
13	328	88	860	11286	Non-participating
14	229	119	1103	11542	Non-participating
15	521	165	1040	12107	Non-participating
16	475	153	996	12179	Non-participating
17	460	152	2138	12265	Non-participating
18	1769	1650	2290	17182	Non-participating
19	1644	1379	2484	15670	Non-participating
20	1709	1572	2561	15611	Non-participating
21	1442	1053	626	14590	Non-participating
22	285	129	1035	12134	Non-participating
23	424	315	2689	11094	Non-participating
24	964	904	1209	11849	Non-participating
25	358	97	1221	10376	Non-participating
26	390	268	1863	10329	Non-participating
27	1334	1249	1856	9841	Non-participating
28	1252	1192	2908	9592	Non-participating
29	1990	1871	1916	9198	Non-participating
30	798	587	3242	8424	Non-participating
31	2079	1502	3518	7478	Non-participating
32	2421	1637	2275	7346	Non-participating
33	1845	772	2645	6605	Non-participating
34	1729	1098	2875	6423	Non-participating
35	1949	1305	2311	6613	Non-participating
36	1357	989	1907	5964	Non-participating
37	946	655	1356	5553	Non-participating
38	329	216	3786	3821	Non-participating
39	2095	2005	3713	6038	Non-participating
40	2038	1951	3648	6007	Non-participating
41	1995	1911	3126	5989	Non-participating
42	1401	1307	720	5326	Non-participating

43	1407	1326	3031	5423	Non-participating
44	1566	1513	2944	5610	Non-participating
45	1465	1411	2663	5509	Non-participating
46	1125	1069	1814	5173	Non-participating
47	411	171	1678	3588	Non-participating
48	185	66	1192	3323	Non-participating
49	246	71	1913	2956	Non-participating
50	827	635	2261	4834	Non-participating
51	1188	922	1318	5168	Non-participating
52	1596	1284	1989	5547	Non-participating
53	797	611	2839	4808	Non-participating
54	1554	1359	3314	5677	Non-participating
55	1848	1692	3244	6122	Non-participating
56	1964	1904	2929	5865	Non-participating
57	1849	1779	3829	5366	Non-participating
58	2824	2146	2522	5101	Non-participating
59	1874	1665	2310	3818	Non-participating
60	1784	1732	2626	3431	Non-participating
61	2236	1868	1395	3083	Non-participating
62	2294	1902	2247	2985	Non-participating
63	1854	1493	2036	2801	Non-participating
64	1649	1278	1959	2598	Non-participating
65	1602	1197	1689	2316	Non-participating
66	1311	930	1066	2300	Non-participating
67	759	388	2865	1525	Non-participating
68	2540	1745	2107	2767	Non-participating
69	1802	452	2283	1501	Non-participating
70	1981	460	2449	1508	Non-participating
71	2150	581	1649	1592	Non-participating
72	1802	212	1640	1260	Non-participating
73	1445	131	1557	1650	Non-participating
74	942	101	1425	1507	Non-participating
75	1104	971	1228	10341	Non-participating
76	935	761	1680	9969	Non-participating
77	1133	1068	1486	9560	Non-participating
78	306	117	1657	10607	Non-participating
79	222	135	1512	10471	Non-participating
80	227	75	662	10442	Non-participating
81	483	427	1254	9978	Non-participating
82	603	529	909	9673	Non-participating
83	447	393	1516	9304	Non-participating
84	927	65	1451	8977	Non-participating
85	310	204	1964	13469	Non-participating
86	1661	1540	844	13617	Non-participating

87	454	324	3357	13468	Non-participating
88	2612	2011	3114	7999	Non-participating
89	2140	2056	4193	6126	Non-participating
90	2186	2094	3910	6103	Non-participating
91	2187	2043	3257	9231	Non-participating
92	2257	2173	3797	6242	Non-participating
93	2267	2175	3878	6180	Non-participating
94	2362	2237	3565	9399	Non-participating
95	2414	2327	4059	6371	Non-participating
96	2415	2323	3940	6323	Non-participating
97	2520	2430	4086	6444	Non-participating
98	2558	2475	16335	6548	Non-participating
99	2596	2336	3970	9034	Non-participating
100	2613	2414	3601	9278	Non-participating
101	2626	2539	4190	6585	Non-participating
102	2745	2656	4289	6682	Non-participating
103	2949	2655	4147	9040	Non-participating
104	3094	2754	4503	8874	Non-participating
105	3442	3083	4547	8902	Non-participating
106	3451	3045	4764	8607	Non-participating
107	3727	3391	4420	9164	Non-participating
108	831	637	1587	4145	Non-participating
109	201	67	998	9450	Non-participating
110	415	75	925	9232	Non-participating
111	413	124	945	12384	Non-participating
112	445	150	919	12544	Non-participating
113	264	81	603	11576	Non-participating
114	225	70	2718	3522	Non-participating
115	1306	1202	3249	4968	Non-participating
116	1844	1742	1476	5582	Non-participating
117	900	845	1691	10097	Non-participating
118	188	95	1040	10692	Non-participating
119	605	504	709	12040	Non-participating

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-51:

Refer to Summer Shade's response Staff's First Request, Item 55. The map attached in response to this data request did not include whether the parcel owner is participating or non-participating and the parcel use. Provide an update[d] map that includes all of the information requested.

Response: Summer Shade presumes this question is intended to refer to the Staff's First Request, Item 114. See the attached map provided with Question #49 above. Each of the parcel owners and identified PVA Parcel numbers are participating landowners. In addition, please see the attached table for parcel uses.

Witness: Shane Kelley

Parcel Uses	
Name	Parcel Use
Birge 030-00-00-018.00	Agricultural/Forested
Tudor 031-00-00-029.00	Agricultural/Forested
Signorello 030-00-00-014.00	Agricultural
Bowles 030-00-00-016.00	Agricultural/Forested
Simpson 030-00-00-015.00	Agricultural/Forested
Hope 031-00-00-002.01	Agricultural/Forested
Flowers 031-00-00-015.04	Agricultural/Forested
Candela 031-00-00-002.07	Agricultural/Forested
Branstetter 031-00-00-019.00	Agricultural/Forested
Hodges 031-00-00-013.00	Agricultural/Forested
Paull 031-00-00-020.00	Agricultural/Forested
Humes 031-00-00-006.00	Agricultural/Forested
Perkins 031-00-00-009.00	Agricultural
Perkins 031-00-00-009.00	Agricultural

Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-52:

Provide the estimated maximum construction sound level or the maximum potential construction sound for all receptors that are 500 feet away from project components (i.e., fence, panel, inverter, substation, BESS).

Response: When pile driving is occurring, maximum construction sound levels for receptors within 500 feet of Project construction are expected to be in the 81 to 90 dBA range. These maximum construction sound levels would only occur during pile driving activities and will be short in duration. These anticipated noise levels do not include the noise mitigation measures that Summer Shade has committed to in the SAR mitigation measures.

Without pile driving, maximum construction sound levels for receptors within 500 feet of Project construction are expected to be in the 58 to 69 dBA range.

Witness: Shane Kelley

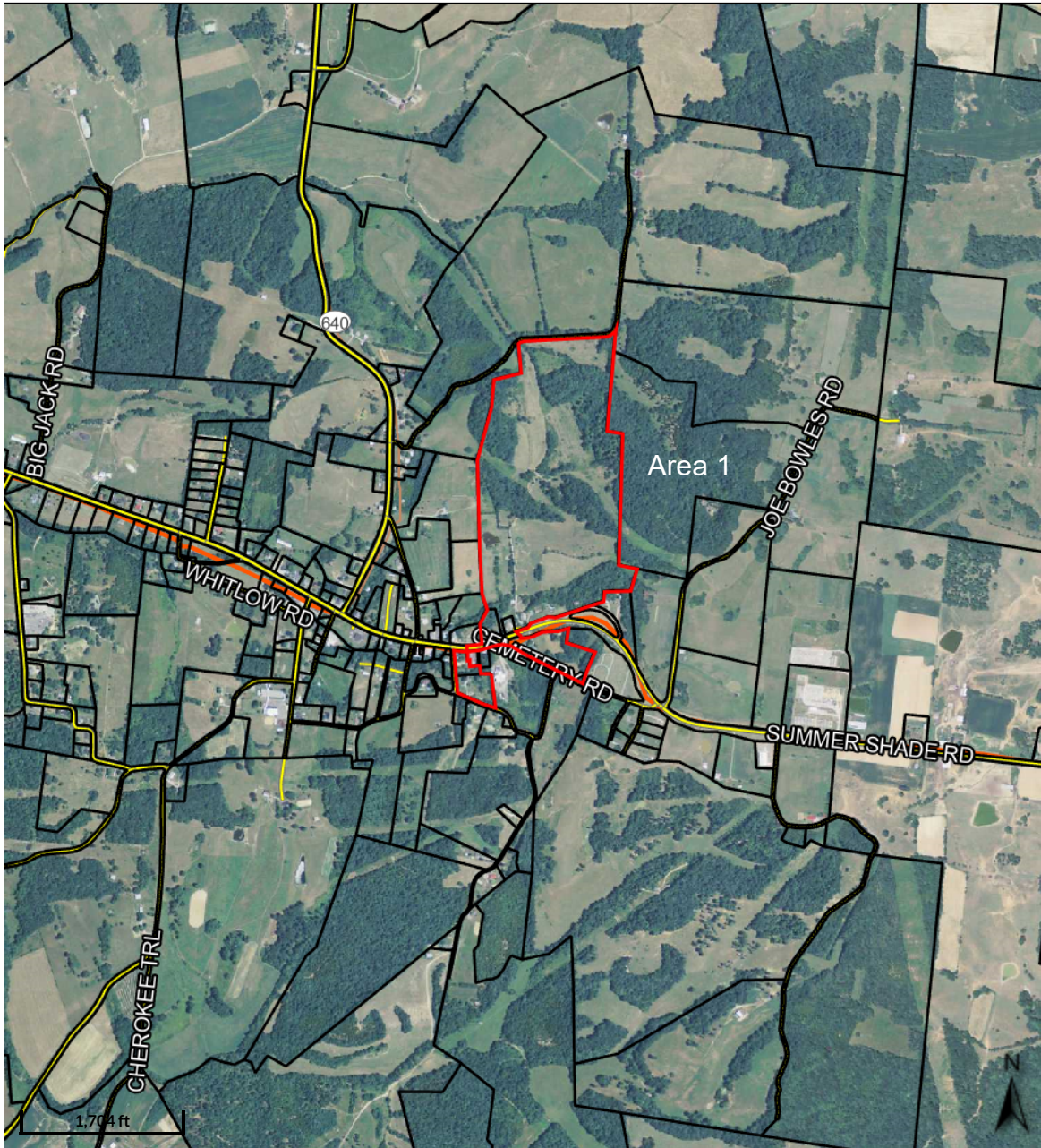
Case No. 2025-00064
Summer Shade Solar, LLC
Responses to Siting Board's Second Request for Information

SITING BOARD 2-53:

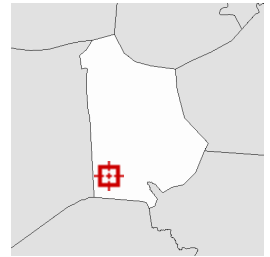
Refer to Summer Shade's Motion for Deviation. Provide a parcel map for each of the six areas that were discussed in Summer Shade's Motion for Deviation. For each parcel provide the total acreage and whether the parcel has a residential structure on the land. If there is a structure on the parcel explain the structure's design, historical use, and current condition.

Response: See the attached map and table below for the requested information. Although historical use for the properties are not know, the table includes the year in which the PVA lists the year in which the residential structure was estimated to have been built or installed.

Witness: Shane Kelley



Overview



Legend

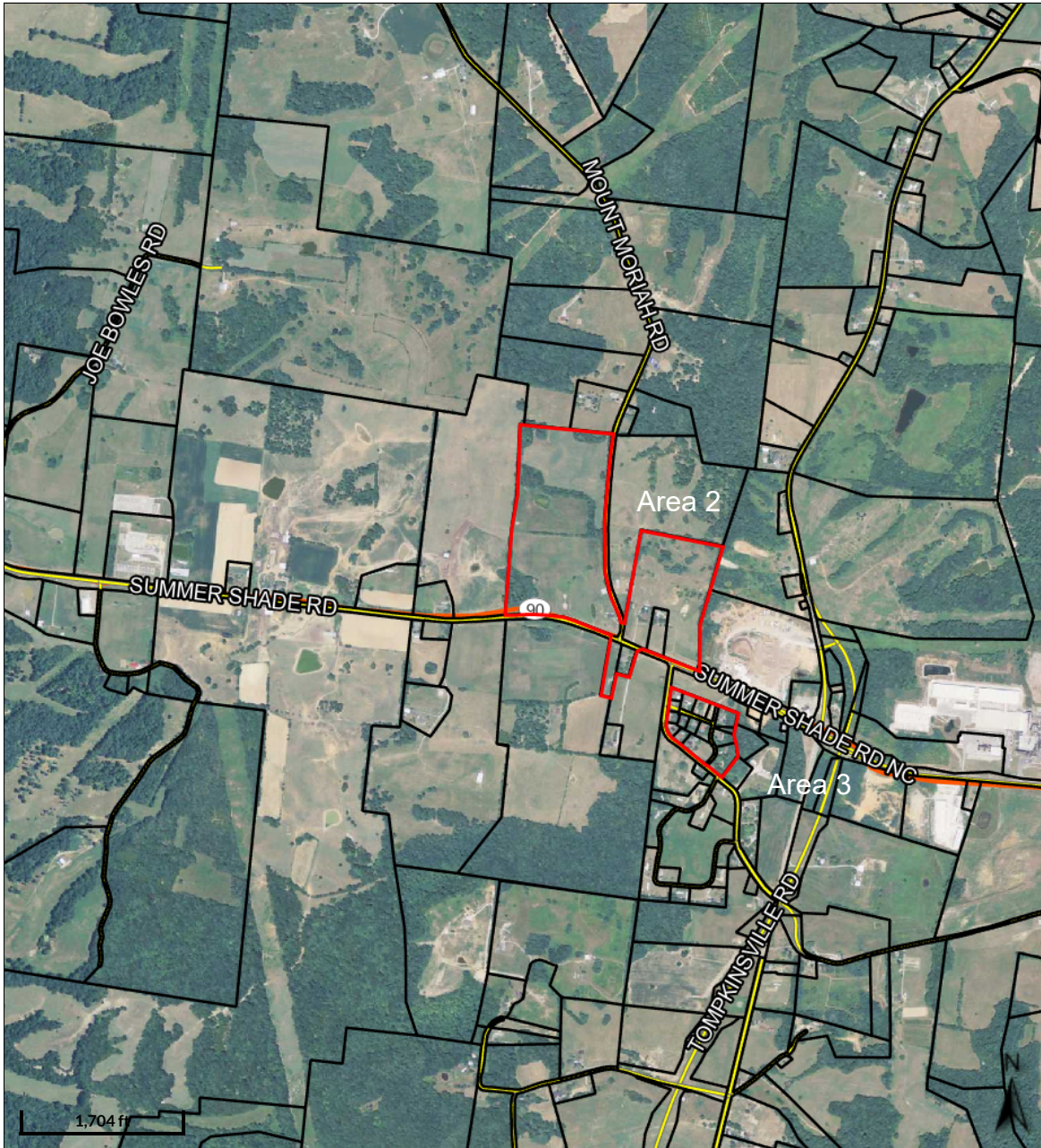
- Parcels
- Roads
- City Limits

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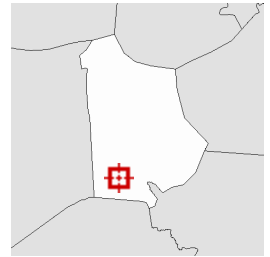
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Overview



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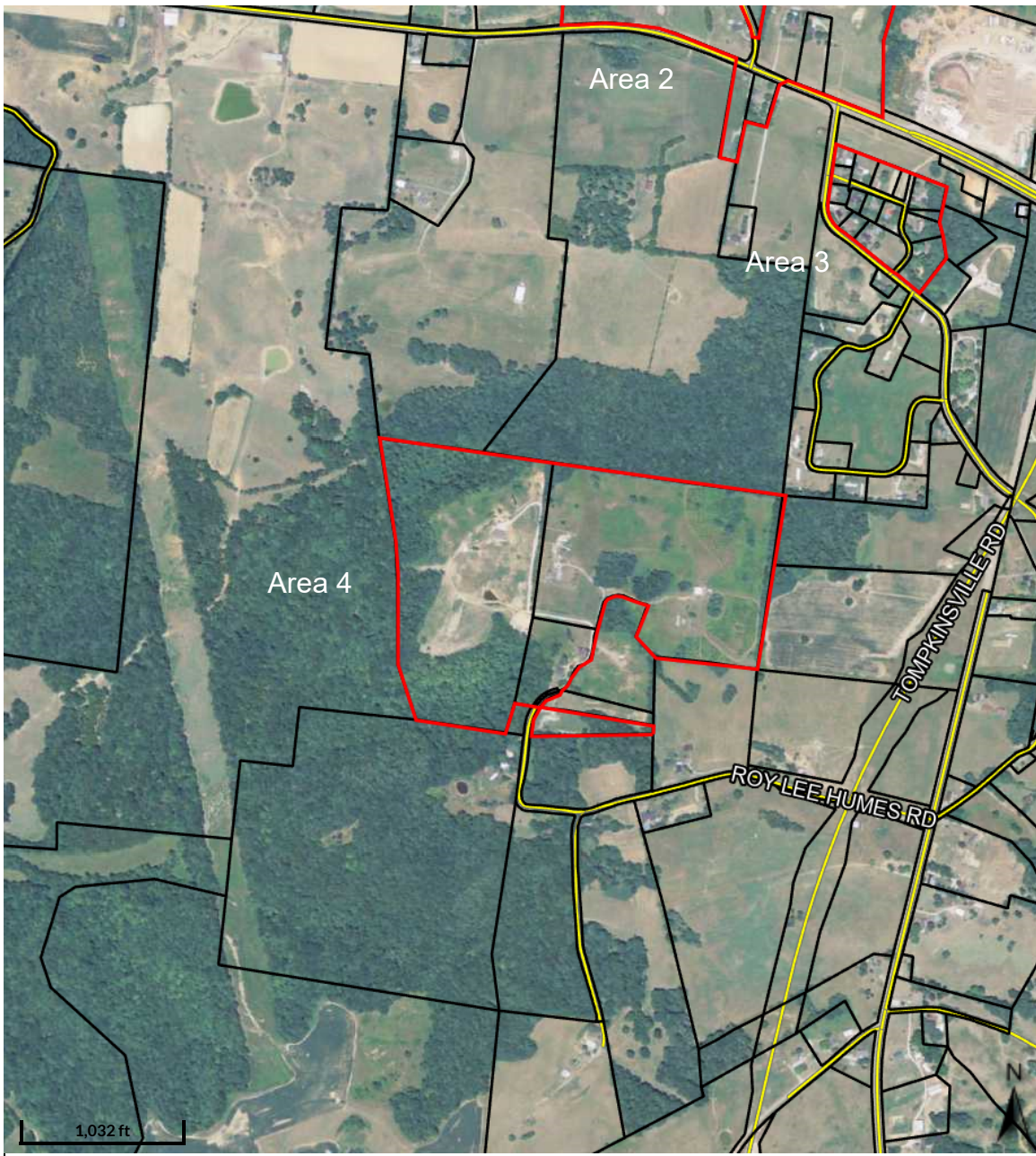
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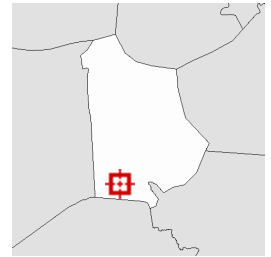
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Overview



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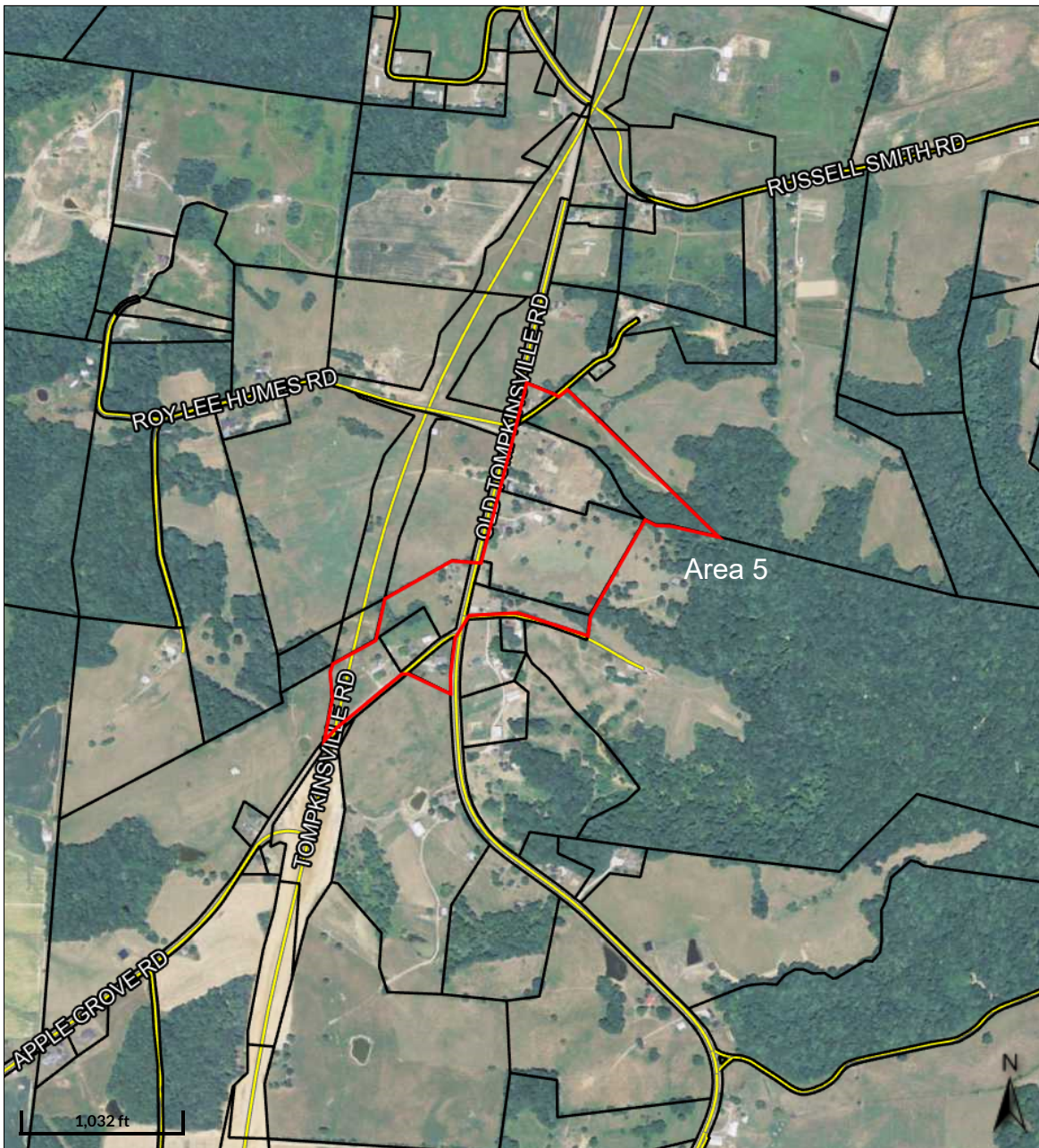
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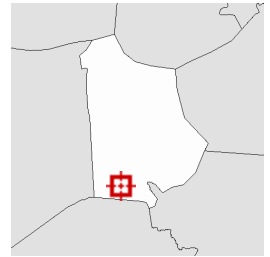
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Overview



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-  Parcels
-  Roads
-  City Limits

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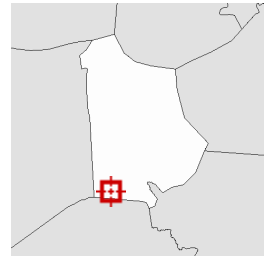
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Overview



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- Parcels
- Roads
- City Limits

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Motion for Deviation							
Parcel ID	Landowner	Number of Residential Structures	Age	Acreage	Structure Design	Area ID	Historical Use
030-10-08-002.00	Thompson Phillis	1	1950	2.00	2 Story with garage	1	Residential
030-10-08-001.00	Westmoreland T J	1	1950	1.05	2 Story	1	Residential
030-10-05-006.00	Estes Dale	1	1933	1.20	2 Story	1	Residential
030-00-00-011.00	Gordon Terry Estate	1	1952	0.41	1 1/2 Story	1	Residential
030-00-00-010.00	Garcia Ronald & Judith A Miller	1	1986	82.97	Permanent Mobile Home	1	Agricultural/Residential
030-00-00-027.00	Shaw William & Tonya	1	1935	5.42	1 Story	1	Residential
Area 1 Total Acreage				93.05			
041-00-00-047.00	Isenberg Emogene Estate	1	1965	1.00	1 Story	2	Residential
041-00-00-027.01	Ford Lee Anne	1	1987	0.50	1 Story	2	Residential
041-00-00-028.00	Isenberg Emogene Estate	1	1960	147.00	1 Story	2	Residential
041-00-00-027.04	Rowlett Dale A Estate	1	1980	18.84	1 Story	2	Residential
041-00-00-027.02	Ellis Sue	1	1968	1.42	1 Story	2	Residential
Area 2 Total Acreage				168.76			
041-00-00-029.02	Strode Timothy Wayne	1	1975	0.32	1 Story	3	Residential
041-00-00-029.03	Miller Eric & Gracie	1	1973	0.31	1 Story	3	Residential
041-00-00-029.04	Eden Jerry & Sherry	1	1974	0.32	1 Story	3	Residential
041-00-00-029.05	Bryant Whitney	1	1976	0.31	1 Story with Garage	3	Residential
041-00-00-029.06	Cleary Wayne	1	1975	0.38	1 Story	3	Residential
041-00-00-029.07	Rodriguez Ricardo	1	1980	1.21	1 Story with Garage	3	Residential
041-00-00-029.18	Harper Jacob T & Chelsea	1	1988	0.59	2 Story with Garage	3	Residential
041-00-00-029.17	Moore Martha A	1	1992	0.68	1 Story with Garage	3	Residential
041-00-00-029.15	Burkhead Robert	1	1991	1.01	1 Story with Garage	3	Residential
041-00-00-029.09	Swackhamer Jeffrey	1	1980	0.51	1 Story with Carport	3	Residential
041-00-00-029.10	Murray Randy & Debbie	1	1980	0.40	1 Story with Carport	3	Residential
041-00-00-029.11	Newrez LLC Shellpoint Mortgage Servicin	1	1986	0.31	1 Story	3	Residential
041-00-00-029.12	Walker Regina Gail	1	1975	0.52	1 Story	3	Residential
041-00-00-029.13	Marshall Patrick G	1	1984	0.59	1 Story with Garage	3	Residential
Area 3 Total Acreage				7.46			
030-00-00-035.03	Dubre John Tyler & Courtney	1	2011	32.25	1 Story	4	Agricultural
030-00-00-035.02	Kennedy Jerry Lee & Lorine S	1	2001	31.61	Mobile Home	4	Agricultural
030-00-00-035.04	Medor David & Darlene	1	2012	5.42	1 Story	4	Agricultural
030-00-00-035.00	Page Donnie & Diane	1	1966	3.91	1 Story	4	Residential
030-00-00-035.01	Dubre Wesley Joe & Carla Marie	1	1984	4.19	Mobile Home	4	Residential
Area 4 Total Acreage				77.38			
Parcel info unavaila	Parcel info unavailable	1	Parcel info unavailable	3.14	1 Story	5	Residential
042-00-00-006.01	Harper Ashley A & Sarah N	1	1966	1.65	1 1/2 Story	5	Residential
042-00-00-007.00	Firkins Judy	1	1970	0.50	1 Story with Garage	5	Residential
042-00-00-008.00	Smith Wayne & Bonnie	1	1950	2.50	1 Story	5	Residential
042-00-00-004.00	Gibbons Martha	1	1954	4.96	1 1/2 Story	5	Residential
042-00-00-002.00	Paull Robin	1	1953	8.92	1 1/2 Story	5	Residential
042-00-00-001.00	Information not provided	2	Information not provided	6.27	1 Story and Mobile Home	5	Residential
041-00-00-052.00	Murphy Nelda Darlene	1	1978	0.50	1 Story	5	Residential
042-00-00-010.00	Summers Charlotte Rose Ann	1	1997	5.72	Mobile Home	5	Agricultural/Residential
Area 5 Total Acreage				34.16			
031-00-00-002.06	Dubree James Tyler	1	2019	1.73	Mobile Home	6	Residential
031-00-00-002.05	Dubree James Tyler	1	1990	1.73	1 Story with Garage	6	Residential
031-00-00-002.04	Dubree James Tyler & Jordan Lee Harper	1	1990	2.92	1 Story	6	Residential
031-00-00-002.13	Hestand Bonnie Renea	1	1989	2.01	Mobile Home	6	Agricultural/Residential
031-00-00-002.15	Dubre Jessica Nicole, Clayton James	1	2018	1.81	Mobile Home	6	Agricultural/Residential
Area 6 Total Acreage				10.20			

**COMMONWEALTH OF KENTUCKY
BEFORE THE KENTUCKY STATE BOARD
ON ELECTRIC GENERATION AND TRANSMISSION SITING**

In the Matter of:)	
)	
In the Matter of the Application of Summer Shade Solar, LLC for a Certificate of Construction for an approximately 106-Megawatt Merchant Electric Solar Generating Facility in Metcalfe County, Kentucky pursuant to KRS 278.700, et seq., and 807 KAR 5:110)	Case No. 2025-00064

CERTIFICATION

This is to certify that I have supervised the preparation of the Summer Shade Solar LLC's responses to the Siting Board Staff's Second Request for Information and that the responses on which I am identified as a sponsoring witness are true and accurate to the best of my knowledge, information, and belief after reasonable inquiry.

July 29, 2025

Date

**Mark V.
Carney**

Digitally signed by Mark V.
Carney
DN: cn=Mark V. Carney, o=e3rm,
llc, email=mcarney@e3rmllc.com
Date: 2025.07.29 16:42:13 -04'00'

Mark Carney

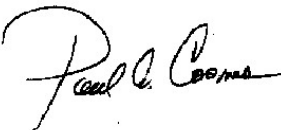
**COMMONWEALTH OF KENTUCKY
BEFORE THE KENTUCKY STATE BOARD
ON ELECTRIC GENERATION AND TRANSMISSION SITING**

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CERTIFICATION

This is to certify that I have supervised the preparation of the Summer Shade Solar LLC's responses to the Siting Board Staff's Second Request for Information and that the responses on which I am identified as a sponsoring witness are true and accurate to the best of my knowledge, information, and belief after reasonable inquiry.

July 31, 2025
Date



Paul Coomes

**7/COMMONWEALTH OF KENTUCKY
BEFORE THE KENTUCKY STATE BOARD
ON ELECTRIC GENERATION AND TRANSMISSION SITING**

In the Matter of:)	
)	
In the Matter of the Application of Summer Shade Solar, LLC for a Certificate of Construction for an approximately 106-Megawatt Merchant Electric Solar Generating Facility in Metcalfe County, Kentucky pursuant to KRS 278.700, et seq., and 807 KAR 5:110)	Case No. 2025-00064

CERTIFICATION

This is to certify that I have supervised the preparation of the Summer Shade Solar LLC's responses to the Siting Board Staff's Second Request for Information and that the responses on which I am identified as a sponsoring witness are true and accurate to the best of my knowledge, information, and belief after reasonable inquiry.

7/29/2025
Date


Shane Kelley

**COMMONWEALTH OF KENTUCKY
BEFORE THE KENTUCKY STATE BOARD
ON ELECTRIC GENERATION AND TRANSMISSION SITING**

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Alfonso Tovar *AT*

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BEFORE THE KENTUCKY STATE BOARD
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In the Matter of:)
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Solar, LLC for a Certificate of Construction for an) Case No. 2025-00064
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7/29/2025
Date

DocuSigned by:
Aubree Muse
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Aubree Muse